



System 20 PRO

2.4 GHz Wireless System

IP Control Specifications (Document Version: 0.0.5)

Table of Contents

1	Preface	11
1.1	Purpose of This Document	11
1.1.1	Definitions of Terms and Numeric Representation	11
2	Basic Specifications	12
2.1	Communication Interfaces	12
2.1.1	RX Communication Interface.....	12
2.2	Command Formats	12
2.2.1	Command Common Rules	12
2.2.2	Get Command / Set Command / Request Command.....	13
2.2.3	ACK.....	13
2.2.4	NAK.....	14
2.2.5	Answer	16
2.2.6	Information	16
2.3	TCP Communications	17
2.3.1	Communication Control	17
2.3.2	Communication Start	18
2.3.3	Control Sequence	18
2.3.4	Communication Errors.....	21
2.3.5	End of Communication	22
2.4	UDP Communications.....	22
2.4.1	Communication Control	22
2.4.2	Communication Start	22
2.4.3	Control Sequence	22
2.4.4	Communication Errors.....	22
2.4.5	End of Communication	22
3	Command Overview.....	23
3.1	Command List.....	23
4	Command Details.....	37
4.1	Management	37
4.1.1	Model Name Acquisition	37
4.1.2	Version Information Acquisition	38
4.1.3	Device Name Acquisition.....	40
4.1.4	Device Name Setting	41
4.1.5	Device Name Change Notification	41
4.1.6	Device ID Acquisition.....	42
4.1.7	Device ID Setting	43
4.1.8	Device ID Change Notification	43
4.1.9	System20 ID Acquisition.....	44

4.2	Control Setting	45
4.2.1	Auto Lock ON/OFF Setting Acquisition	45
4.2.2	Auto Lock ON/OFF Setting	46
4.2.3	Auto Lock ON/OFF Setting Change Notification	46
4.2.4	AF Meter Setting Acquisition	47
4.2.5	AF Meter Setting	48
4.2.6	AF Meter Setting Change Notification	48
4.2.7	Jog Dial Direction Setting Acquisition	49
4.2.8	Jog Dial Direction Setting	50
4.2.9	Jog Dial Direction Setting Change Notification	50
4.3	Network Setting	51
4.3.1	Network Information Acquisition	51
4.3.2	Network Information Setting	52
4.3.3	Network Information Setting Change Notification	53
4.3.4	Notification Mode Acquisition	53
4.3.5	Notification Mode Setting	54
4.3.6	Notification Mode Setting Change Notification	55
4.3.7	Level Notification ON/OFF Acquisition	55
4.3.8	Level Notification ON/OFF Setting	56
4.3.9	Level Notification ON/OFF Setting Change Notification	57
4.3.10	Level Notification Intervals Acquisition	57
4.3.11	Level Notification Intervals Setting	58
4.3.12	Level Notification Intervals Setting Change Notification	59
4.3.13	Multicast Address Acquisition	59
4.3.14	Multicast Address Setting	60
4.3.15	Multicast Address Setting Change Notification	61
4.3.16	Multicast Port Acquisition	61
4.3.17	Multicast Port Setting	62
4.3.18	Multicast Port Setting Change Notification	63
4.3.19	Syslog Setting Acquisition	63
4.3.20	Syslog Setting Change	64
4.3.21	Syslog Setting Change Notification	65
4.3.22	NTP ON/OFF Setting Acquisition	65
4.3.23	NTP ON/OFF Setting Change	66
4.3.24	NTP ON/OFF Setting Change Notification	67
4.3.25	NTP Server Address Acquisition	67
4.3.26	NTP Server Address Setting	68
4.3.27	NTP Server Address Change Notification	68
4.3.28	NTP Server Port Acquisition	69
4.3.29	NTP Server Port Setting	70

4.3.30	NTP Server Port Change Notification.....	70
4.3.31	NTP Time Zone Setting Acquisition.....	71
4.3.32	NTP Time Zone Setting	72
4.3.33	NTP Time Zone Setting Change Notification	72
4.3.34	DST ON/OFF Setting Acquisition	73
4.3.35	DST ON/OFF Setting.....	74
4.3.36	DST ON/OFF Setting Change Notification	74
4.3.37	DST Date and Time Setting Acquisition	75
4.3.38	DST Date and Time Setting.....	76
4.3.39	DST Date and Time Setting Change Notification	77
4.4	Communication Setting.....	77
4.4.1	RF Mode Acquisition.....	77
4.4.2	RF Mode Setting.....	78
4.4.3	RF Mode Change Notification	79
4.4.4	MultiTx ON/OFF Setting Acquisition.....	79
4.4.5	MultiTx ON/OFF Setting	80
4.4.6	MultiTx ON/OFF Setting Change Notification	81
4.4.7	Pairing Status Change Notification.....	81
4.4.8	Pairing Request	82
4.4.9	Pairing Cancel Request.....	83
4.4.10	Multipairing ID Acquisition	83
4.4.11	Multipairing ID Change Notification	84
4.4.12	Multipairing ID Deletion Request.....	85
4.5	Audio	86
4.5.1	Mixout ON/OFF Setting Acquisition.....	86
4.5.2	Mixout ON/OFF Setting	87
4.5.3	Mixout ON/OFF Setting Change Notification	87
4.5.4	OutputType Acquisition for Each Ch.....	88
4.5.5	OutputType Setting for Each Ch.....	89
4.5.6	OutputType Change Notification for Each Ch	89
4.5.7	Volume Acquisition for Each Ch	90
4.5.8	Volume Setting for Each Ch	91
4.5.9	Volume Change Notification for Each Ch.....	91
4.5.10	HPF Setting Acquisition for Each Ch.....	92
4.5.11	HPF Setting for Each Ch	93
4.5.12	HPF Setting Change Notification for Each Ch	93
4.5.13	Mixout ON/OFF Setting Acquisition for Each Ch.....	94
4.5.14	Mixout ON/OFF Setting for Each Ch.....	95
4.5.15	Mixout ON/OFF Setting Change Notification for Each Ch	95
4.5.16	Mixout Volume Setting Acquisition for Each Ch	96

4.5.17	Mixout Volume Setting for Each Ch.....	97
4.5.18	Mixout Volume Setting Notification for Each Ch.....	97
4.5.19	Mixout OutputType Setting Acquisition.....	98
4.5.20	Mixout OutputType Setting	99
4.5.21	Mixout OutputType Setting Change Notification	99
4.5.22	Limiter Setting Acquisition	100
4.5.23	Limiter Setting.....	101
4.5.24	Limiter Setting Change Notification	101
4.5.25	Mute Setting Acquisition for Each Ch	102
4.5.26	Mute Setting for Each Ch	103
4.5.27	Mute Setting Change Notification for Each Ch.....	103
4.6	TX.....	104
4.6.1	TX Connection Status Acquisition	104
4.6.2	TX Connection Status Notification.....	105
4.6.3	TX Model Name Acquisition	105
4.6.4	TX Identify Request	106
4.6.5	TxID Acquisition	107
4.6.6	TxID Setting	108
4.6.7	TxID Change Notification.....	109
4.6.8	TX Gain Setting Acquisition	109
4.6.9	TX Gain Setting	110
4.6.10	TX Gain Setting Change Notification.....	111
4.6.11	TX MIC/INST Setting Acquisition.....	111
4.6.12	TX MIC/INST Setting	112
4.6.13	TX MIC/INST Setting Change Notification	113
4.6.14	TX MuteMode Setting Acquisition	113
4.6.15	TX MuteMode Setting	114
4.6.16	TX MuteMode Setting Change Notification	116
4.6.17	TX LED Mode Acquisition	116
4.6.18	TX LED Mode Setting	117
4.6.19	TX LED Mode Change Notification	118
4.6.20	TX Battery Type Acquisition.....	118
4.6.21	TX Battery Type Setting.....	119
4.6.22	TX Battery Type Change Notification	120
4.6.23	TX Pairing Timeout Time Acquisition.....	121
4.6.24	TX Pairing Timeout Time Setting.....	122
4.6.25	TX Pairing Timeout Time Change Notification	122
4.6.26	TX System20 ID Acquisition	123
4.6.27	TX Version Acquisition	124
4.6.28	TX Factory Reset Request	125

4.6.29	TX Reboot Request	125
4.6.30	TX External Mute Acquisition.....	126
4.6.31	TX External Mute Setting.....	127
4.6.32	TX External Mute Change Notification	127
4.6.33	TX External Mute LED Display Setting Acquisition	128
4.6.34	TX External Mute LED Display Setting.....	129
4.6.35	TX External Mute LED Display Setting Change Notification	129
4.6.36	TX Mute Status Acquisition.....	130
4.6.37	TX Mute Status Change Notification	131
4.6.38	TX Battery Level Acquisition.....	131
4.6.39	TX Battery Level Change Notification	133
4.7	EQ	134
4.7.1	EQ ON/OFF Setting Acquisition	134
4.7.2	EQ ON/OFF Setting.....	135
4.7.3	EQ ON/OFF Setting Change Notification	135
4.7.4	EQ ON/OFF Setting Acquisition for Each Band	136
4.7.5	EQ ON/OFF Setting for Each Band.....	137
4.7.6	EQ ON/OFF Setting Change Notification for Each Band	137
4.7.7	EQ Gain Setting Acquisition for Each Band	138
4.7.8	EQ Gain Setting for Each Band.....	139
4.7.9	EQ Gain Setting Change Notification for Each Band	139
4.7.10	EQ Frequency Setting Acquisition for Each Band.....	140
4.7.11	EQ Frequency Setting for Each Band	141
4.7.12	EQ Frequency Setting Change Notification for Each Band	141
4.7.13	EQ Q Setting Acquisition for Each Band	142
4.7.14	EQ Q Setting for Each Band.....	143
4.7.15	EQ Q Setting Change Notification for Each Band.....	144
4.7.16	EQ Filter Type Setting Acquisition for Each Band	144
4.7.17	EQ Filter Type Setting for Each Band	145
4.7.18	EQ Filter Type Setting Change Notification for Each Band.....	146
4.7.19	Last Recalled EQ Preset Acquisition	147
4.7.20	Last Recalled EQ Preset Setting	148
4.7.21	Last Recalled EQ Preset Setting Change Notification	148
4.7.22	EQ Preset Recall Request.....	149
4.7.23	EQ Preset ON/OFF Setting Acquisition.....	149
4.7.24	EQ Preset ON/OFF Setting	150
4.7.25	EQ Preset ON/OFF Setting Change Notification	151
4.7.26	EQ Preset Band ON/OFF Setting Acquisition	151
4.7.27	EQ Preset Band ON/OFF Setting.....	152
4.7.28	EQ Preset Band ON/OFF Setting Change Notification	153

4.7.29	EQ Preset Gain Setting Acquisition for Each Band	153
4.7.30	EQ Preset Gain Setting for Each Band	154
4.7.31	EQ Preset Gain Setting Change Notification for Each Band	155
4.7.32	EQ Preset Frequency Setting Acquisition for Each Band	156
4.7.33	EQ Preset Frequency Setting for Each Band.....	157
4.7.34	EQ Preset Frequency Setting Change Notification for Each Band	157
4.7.35	EQ Preset Q Setting Acquisition for Each Band.....	158
4.7.36	EQ Preset Q Setting for Each Band	159
4.7.37	EQ Preset Q Setting Change Notification for Each Band	160
4.7.38	EQ Preset Filter Type Setting Acquisition for Each Band	160
4.7.39	EQ Preset Filter Type Setting for Each Band	161
4.7.40	EQ Preset Name Acquisition	162
4.7.41	EQ Preset Name Setting	163
4.7.42	EQ Preset Name Change Notification.....	164
4.7.43	EQ Preset Type (FactoryPreset/UserPreset) Acquisition.....	164
4.8	COMP.....	165
4.8.1	COMP ON/OFF Setting Acquisition.....	165
4.8.2	COMP ON/OFF Setting	166
4.8.3	COMP ON/OFF Setting Change Notification	167
4.8.4	COMP Ratio Setting Acquisition	167
4.8.5	COMP Ratio Setting	168
4.8.6	COMP Ratio Setting Change Notification.....	169
4.8.7	COMP Threshold Setting Acquisition	169
4.8.8	COMP Threshold Setting.....	170
4.8.9	COMP Threshold Setting Change Notification	171
4.8.10	COMP Attack Setting Acquisition.....	171
4.8.11	COMP Attack Setting	172
4.8.12	COMP Attack Setting Change Notification	173
4.8.13	COMP Release Setting Acquisition	174
4.8.14	COMP Release Setting.....	175
4.8.15	COMP Release Setting Change Notification.....	175
4.8.16	COMP Gain Setting Acquisition.....	176
4.8.17	COMP Gain Setting	177
4.8.18	COMP Gain Setting Change Notification	177
4.8.19	Last Recalled COMP Preset Acquisition for Each Ch	178
4.8.20	Last Recalled COMP Preset Setting for Each Ch	179
4.8.21	Last Recalled COMP Preset Change Notification for Each Ch.....	179
4.8.22	COMP Preset Recall Request.....	180
4.8.23	COMP Preset ON/OFF Setting Acquisition	180
4.8.24	COMP Preset ON/OFF Setting.....	181

4.8.25	COMP Preset ON/OFF Setting Change Notification	182
4.8.26	COMP Preset Ratio Setting Acquisition	182
4.8.27	COMP Preset Ratio Setting	183
4.8.28	COMP Preset Ratio Setting Change Notification	184
4.8.29	COMP Preset Threshold Setting Acquisition	185
4.8.30	COMP Preset Threshold Setting	186
4.8.31	COMP Preset Threshold Setting Change Notification	186
4.8.32	COMP Preset Attack Setting Acquisition	187
4.8.33	COMP Preset Attack Setting	188
4.8.34	COMP Preset Attack Setting Change Notification	188
4.8.35	COMP Preset Release Setting Acquisition	189
4.8.36	COMP Preset Release Setting	190
4.8.37	COMP Preset Release Setting Change Notification	191
4.8.38	COMP Preset Gain Setting Acquisition	191
4.8.39	COMP Preset Gain Setting	192
4.8.40	COMP Preset Gain Setting Change Notification	193
4.8.41	COMP Preset Name Setting Acquisition	193
4.8.42	COMP Preset Name Setting	194
4.8.43	COMP Preset Name Setting Change Notification	195
4.8.44	COMP Preset Type (FactoryPreset/UserPreset) Acquisition	196
4.9	Status	197
4.9.1	RxLink Information Acquisition	197
4.9.2	RxLink Status Change Notification	198
4.9.3	RU Connection Status Acquisition	199
4.9.4	RU Connection Status Change Notification	200
4.9.5	Lock Status Acquisition	200
4.9.6	Lock Status Change Notification	201
4.9.7	Busy Status Acquisition	202
4.9.8	Busy Status Change Notification	203
4.9.9	Level Notification	203
4.9.10	Applog Notification	204
4.9.11	RSSI and Battery Applog Parameter Acquisition	205
4.9.12	RSSI and Battery Applog Parameter Setting	206
4.9.13	RSSI and Battery Applog Parameter Change Notification	207
4.10	Other Functions	207
4.10.1	2.4 GHz Band RF Scan Start/End	207
4.10.2	2.4 GHz Band RF Scan Result Notification	208
4.10.3	RX Identify Request	209
4.10.4	Preset Recall Request	209
4.10.5	Factory Reset Request	210

4.10.6	Reboot Request.....	210
4.10.7	Reboot Completion Notification	211
5	Appendix.....	212

1 Preface

1.1 Purpose of This Document

This document describes the command specifications to control the Engineered Sound Wireless System (hereinafter referred to as the Device) developed in Audio-Technica.

1.1.1 Definitions of Terms and Numeric Representation

Term	Description
The Device	Generic name of the model
External device	Devices other than System20 Digital Wireless connected to the Device
Current	Means the active operating condition. Example: Current setting = Active setting
Resume	To store some or all of the current settings inside the unit.
TBD	To be defined.
Tentative	Means provisional description.
RX	Refers to the receiver ATW-R1440.
RU	Refers to the receiver unit ATW-RU14.
RC	Refers to the receiver chassis ATW-RC14.
TX	Refers to all transmitter models.
BP	Refers to the body pack transmitter ATW-T1401.
HH	Refers to the handheld microphone transmitter ATW-T1402.
BD	Refers to the boundary microphone transmitter ATW-T1406.
DS	Refers to the desk stand transmitter ATW-T1407.
CHG	Refers to the charger ATW-CHG3.
WLM	Refers to the wireless app WL Manager.
PC	Refers to both Windows PC and Mac.
LINK	A state in which TX and RX are communicating. A state in which both audio transmission/reception and data communication are established.
Register	An action of recording devices linked by TX and RX, respectively.
Pairing	A state in which TX and RU are looking for LINK destinations.
Searching	A state in which a device with a stored ID is searched.
Ch	Channel
RX LINK	A state in which multiple RXs are daisy-chained with LINK cables and synchronized.

The numeric representation is defined as follows:

Binary number: A value followed by b Example: 1010 0110b

Hexadecimal number: A value preceded by 0x Example: 0xA6

For the notation of FW versions, leading zeros are omitted in this manual as follows.

Zeros are not omitted in the parameters of the command.

00X.00Y.00Z -> X.Y.Z

Example: 001.001.000 -> 1.1.0

Example: 001.001.010 -> 1.1.10

2 Basic Specifications

The IP control function uses TCP or UDP protocol to control the Device.

2.1 Communication Interfaces

2.1.1 RX Communication Interface

Table 2-1-1 System20 RX Communication Interface

No	Item	Content	Remarks
1.	Communication system	Full duplex	
2.	Transmission speed	10Mbps / 100Mbps	
3.	Port number	TCP (control): 17200	Cannot be changed. (Fixed value)
		UDP (notification): 17000	Can be changed. (17000 at factory shipment)
4.	Maximum data length	287 bytes (including line feed codes)	32 bytes for Ethernet communication header, 255 bytes for control command
5.	Compatible connector	Device: RJ45 connector (compatible with 10/100 Mbps) Cable: CAT5e or higher	

2.2 Command Formats

Transmitted commands are categorized as follows:

Table 2-2 Command Formats

No	Command	Content	Remarks
1.	Set Command	Action command	Change the settings. Use TCP communication.
2.	Get Command	Action command	Obtain the settings and status of the Device. Use TCP communication.
3.	ACK	Acknowledge	Positive response to a Set Command. Use TCP communication.
4.	NAK	Negative acknowledge	Response to a Command. Use TCP communication.
5.	Answer	Setting status notification	Response to a Get Command. Use TCP communication.
6.	Information	Status change notification	Notify the settings and status change of the Device. Use UDP communication.
7.	Request Command	Action command	Requests an action to the host. Use TCP communication.

2.2.1 Command Common Rules

It is case sensitive.

Use a single-byte space (␣: 0x20) as a delimiter.

Use a comma (,: 0x2C) as a delimiter in the parameter.

In general, use ASCII codes for commands and UTF-8 for the parameters of specific commands (Example: Naming a device, etc.).

Add CR (0x0d) to the end of each command.

Example:

```
smyname_S_0000_00_NC_1,"SYSTEM20"↓
smyname _0000_00_NC_ACK_↓
smyname _0000_00_NC_NAK_01↓
MD_smyname _0000_00_NC_1,"SYSTEM20"↓
```

- _ : Indicates a space.
- ↓: Indicates CR (0x0d).
- █ : Indicates a command parameter.

2.2.2 Get Command / Set Command / Request Command

Format of each command is shown below.

Table 2-2-2 Action Command Format

No	Item	Content	Size	Remarks
1	Command	Command	Variable length	Varies according to the command.
2	Handshake Select	Sequence execution system	1byte	H: Handshake method (Unused) O: One-Way method S: ACK/NAK method
3	RxLink ID	RxLink ID	4byte	ID when RxLink is established Primary:0001 Extension: 0002 to 0005 (Supported command only)
4	Unit ID	Unit ID	2byte	00 (fixed)
5	Continue Select	Divided message system	2byte	NC: No divided message CS: Head of divided message CM: Divided message CE: End of divided message
6	Parameter	Command parameter	0 bytes or larger; Variable length	Varies according to the command.
7	End Character	Message end character	1byte	CR (0x0D)

2.2.3 ACK

The ACK command format is shown below. Use TCP communication.

Table 2-2-3 ACK Format

No	Item	Content	Size	Remarks
1	Command	Command	Variable length	Varies according to the command.
2	RxLink ID	RxLink ID	4byte	ID when RxLink is established Primary:0001 Extension: 0002 to 0005 (Supported command only)
3	Unit ID	Unit ID	2byte	00 (fixed)
4	Continue Select	Divided message system	2byte	NC: No divided message (fixed)
5	ACK	ACK	3byte	ACK (fixed)
6	End Character	Message end character	1byte	CR (0x0D)

2.2.4 NAK

The negative acknowledge (NAK) command format is shown below. Use TCP communication.

Table 2-2-4 NAK Format

No	Item	Content	Size	Remarks
1	Command	Command	Variable length	Varies according to the command.
2	RxLink ID	RxLink ID	4byte	ID when RxLink is established Primary:0001 Extension: 0002 to 0005 (Supported command only)
3	Unit ID	Unit ID	2byte	00 (fixed)
4	Continue Select	Divided message system	2byte	NC: No divided message (fixed)
5	NAK	NAK	3byte	NAK (fixed)
6	Error Code	Error code	2byte	
7	End Character	Message end character	1byte	CR (0x0D)

2.2.4.1 Error Codes List

Table 2-2-4-1 Error Codes List

Error code	Error description	Remarks
01	Syntax error	<ul style="list-style-type: none"> • A required element is not found. • The character string of a required element is incorrect. • The character string length for each element is outside the specified range. • The message string length including line feed codes is greater than the upper limit.
02	Invalid command	<ul style="list-style-type: none"> • The command is not found. (A non-existing command was specified. A command that cannot be used for the device was specified.)

04	Parameter error	<ul style="list-style-type: none">• The parameter is outside the specified range.• Changing a parameter that cannot be changed was attempted.
90	Busy	<ul style="list-style-type: none">• Unable to process due to a busy state
99	Other errors	<ul style="list-style-type: none">• Errors other than the above

2.2.5 Answer

The command format of the setting status response is shown below. Use TCP communication.

Table 2-2-5 Setting Status Response Format

No	Item	Content	Size	Remarks
1	Command	Command	Variable length	Varies according to the command.
2	RxLink ID	RxLinkID	4byte	ID when RxLink is established Primary:0001 Extension: 0002 to 0005 (Supported command only)
3	Unit ID	Unit ID	2byte	00 (fixed)
4	Continue Select	Divided message system	2byte	NC: No divided message CS: Head of divided message CM: Divided message CE: End of divided message
5	Parameter	Command parameter	0 bytes or larger; Variable length	Varies according to the command.
6	End Character	Message end character	1byte	CR (0x0D)

2.2.6 Information

The command format of the status change notification command is shown below. Use UDP communication.

Table 2-2-6 Notification Command Format

No	Item	Content	Size	Remarks
1	Modify	MD	2byte	MD (fixed)
2	Command	Command string	5byte	See 3. Command List.
3	RxLinkID	RxLinkID	4byte	ID when RxLink is established Primary:0001 Extension: 0002 to 0005 (Supported command only)
4	Unit ID	Unit ID	2byte	00 (fixed)
5	Continue Select	Divided message system	2byte	NC: No divided message CS: Head of divided message CM: Divided message CE: End of divided message
6	Parameter	Command parameter	0 bytes or larger; Variable length	Varies according to the command.
7	End Character	Message end character	1byte	CR (0x0D)

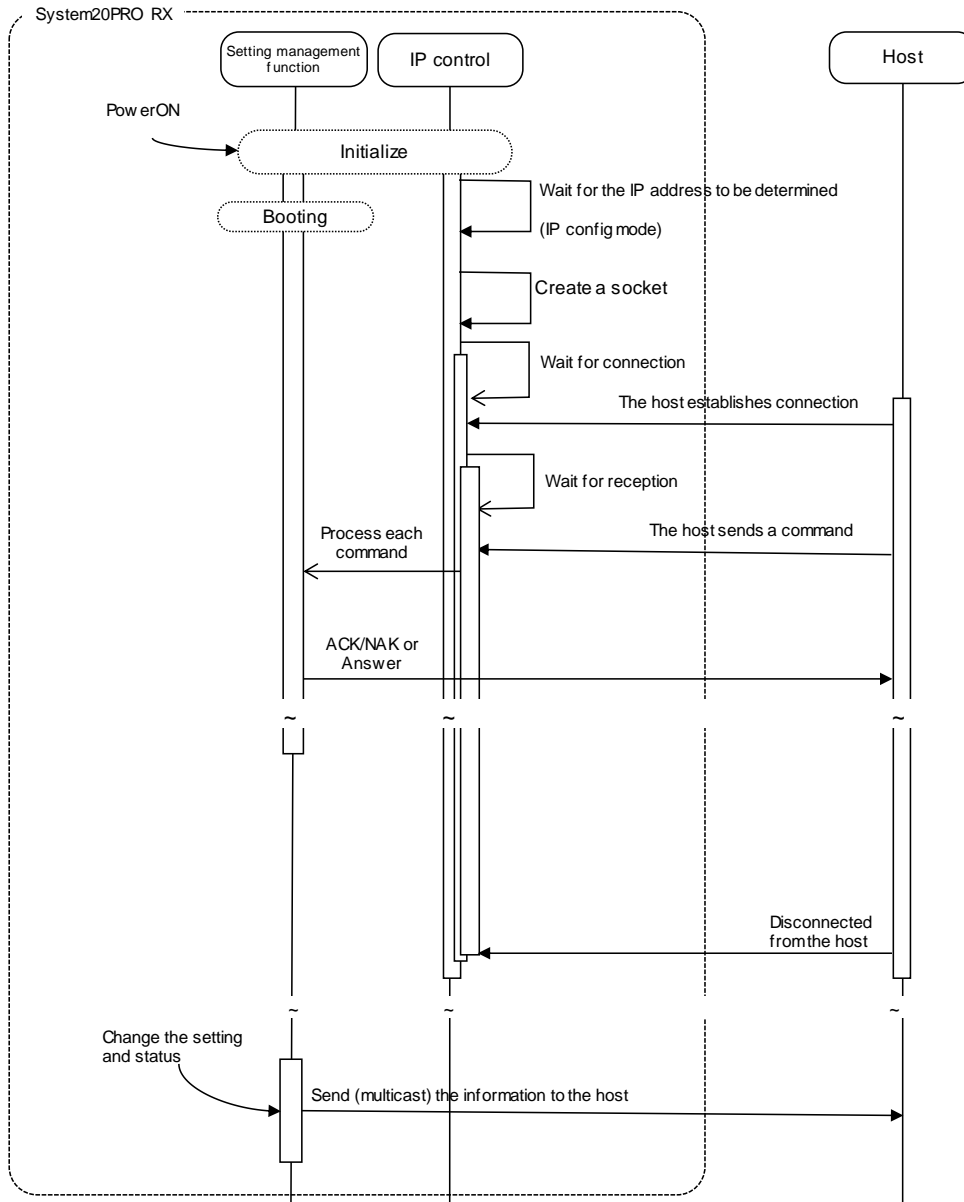
2.3 TCP Communications

To control the Device from the host, TCP protocol is used for communications.

2.3.1 Communication Control

The following figure shows the communication control flow of IP control.

Table 2-3-1 TCP Communication Control Flow



- After the system is booted, the status changes from initializing to connection waiting.
- When the host establishes connection with the system, the status changes from connection waiting to reception waiting.
- Received commands are processed by internal processing tasks, and the results (ACK/NAK) are sent.

Since commands are asynchronously processed, reception is possible even during processing (The next command can be sent without waiting for ACK/NAK or Answer). However, some commands

return NAK (90: BUSY).

- When the system is disconnected from the host, the status changes from reception waiting to connection waiting.

2.3.2 Communication Start

The host establishes connections with the Device.

Number of connections is limited to one. Concurrent connections are not allowed.

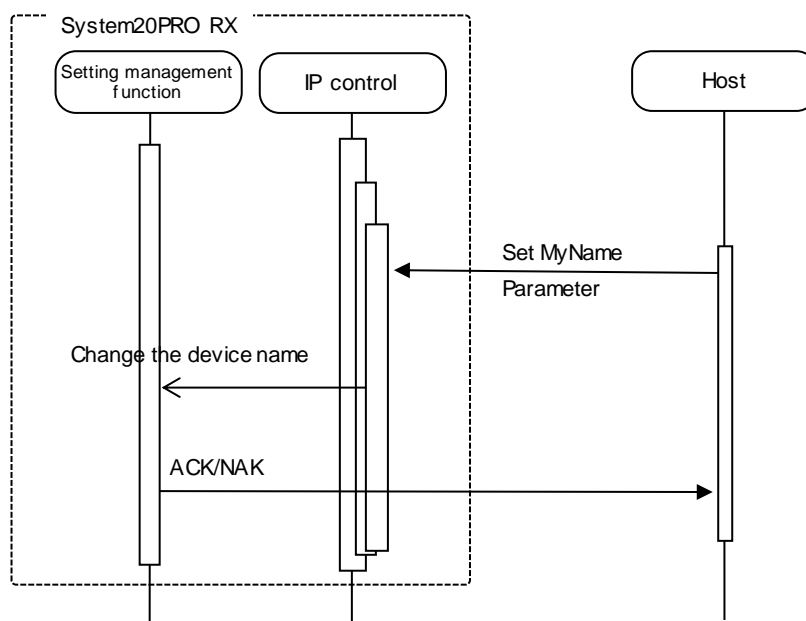
If the number of connections exceeds the upper limit, the connection fails.

2.3.3 Control Sequence

2.3.3.1 Set Command

Responding to a Set Command, the Device sends ACK/NAK to the sender.

<Example> The sequence of Device Name Setting of the device is shown below.

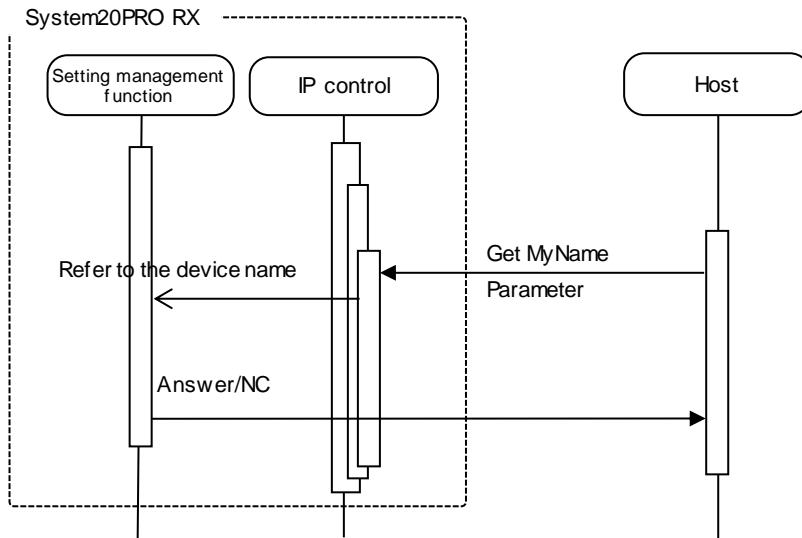


If an error occurs in a Set Command, such as a syntax error and incorrect parameter, an NAK command is sent to the sender.

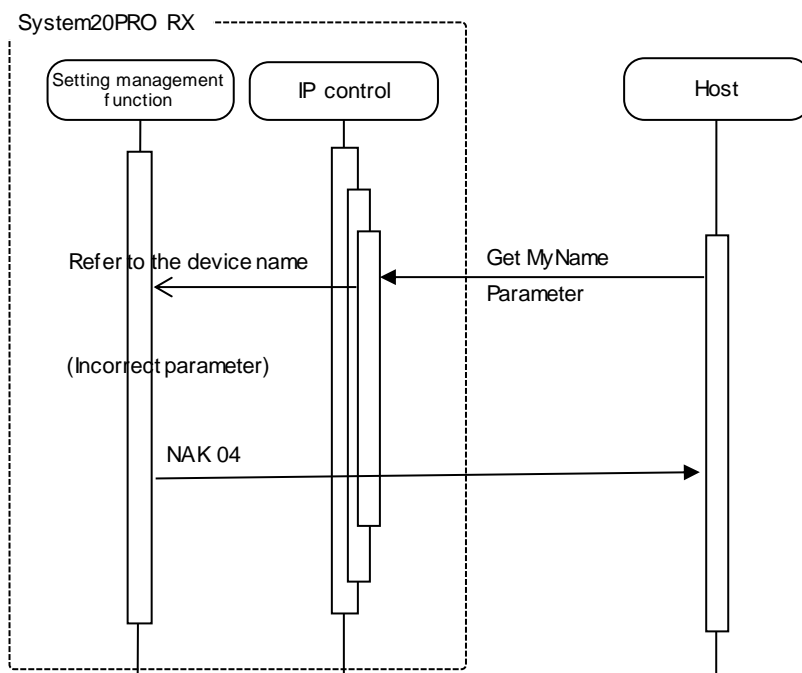
2.3.3.2 Get Command

Responding to a Get Command, the Device sends Answer to the sender.

<Example> The sequence of Device Name Acquisition of the device is shown below.



If an error occurs in a Get Command, such as a syntax error or incorrect parameter, an NAK command is sent to the sender.



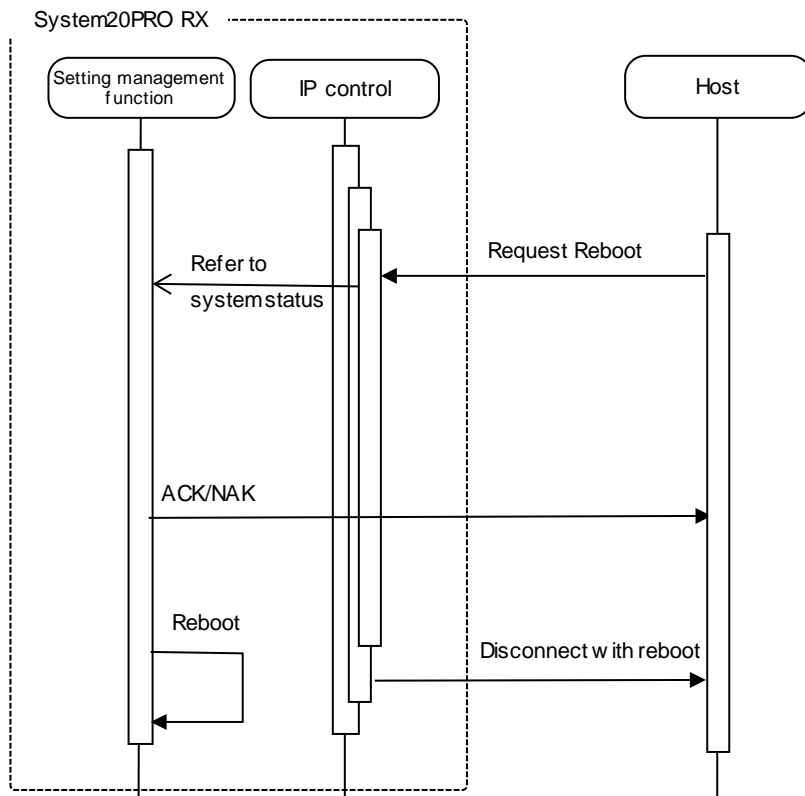
2.3.3.3 Request Command

The request command sends whether the command was accepted or not to the sender via ACK/NAK and then performs the requested process if it was accepted (ACK response).

There is a subsequent command available to send the measurement result to the sender.

(1) Reboot command

<Example> The sequence of the Reboot request is shown below.

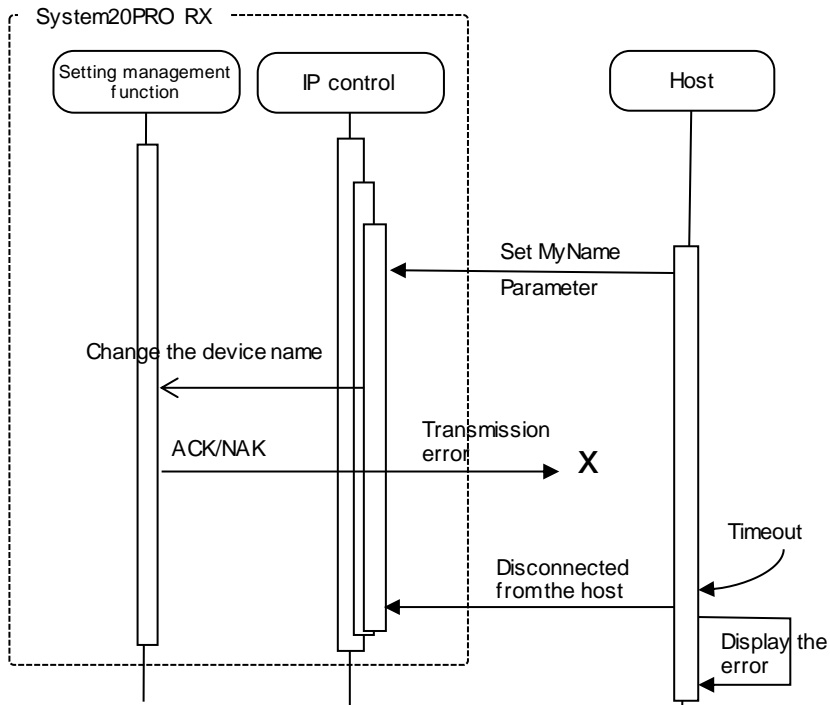


*For NAK responses (telegraphic error, etc.), the system is not reset.

2.3.4 Communication Errors

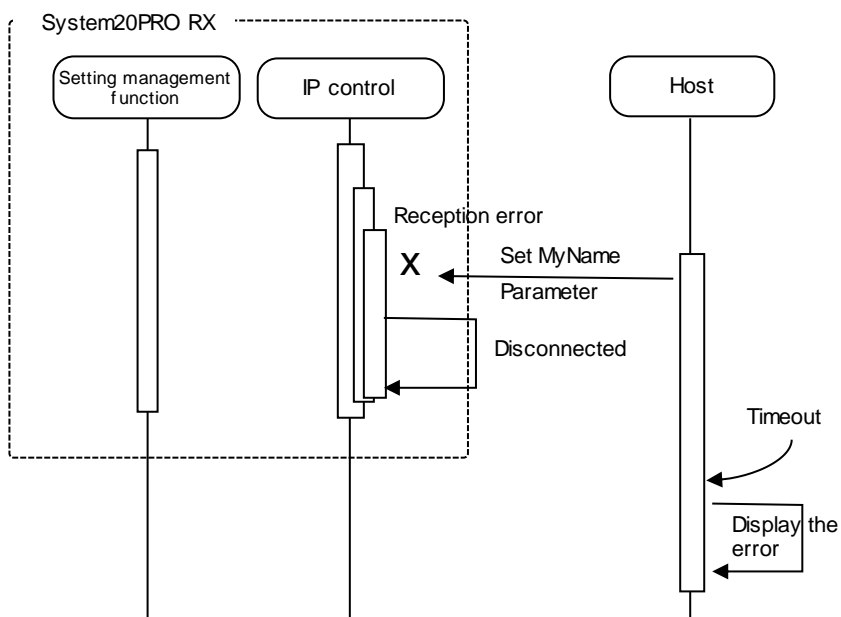
2.3.4.1 Transmission Errors

The following figure shows the sequence when an ACK/NAK transmission error occurs.



Reception Errors

The following figure shows the sequence when a command receive error occurs.



2.3.5 End of Communication

The host can be disconnected at any timing when communications end.

When it is disconnected, the Device clears the corresponding connection state (Example: File transferring) and enters the connection wait state again. This occurs even if a cable is disconnected.

To communicate again, the host needs to establish connection.

2.4 UDP Communications

The information (status change notification) from the Device is sent via UDP protocol.

2.4.1 Communication Control

Refer to Chapter 2.3.1 for the communication control flow.

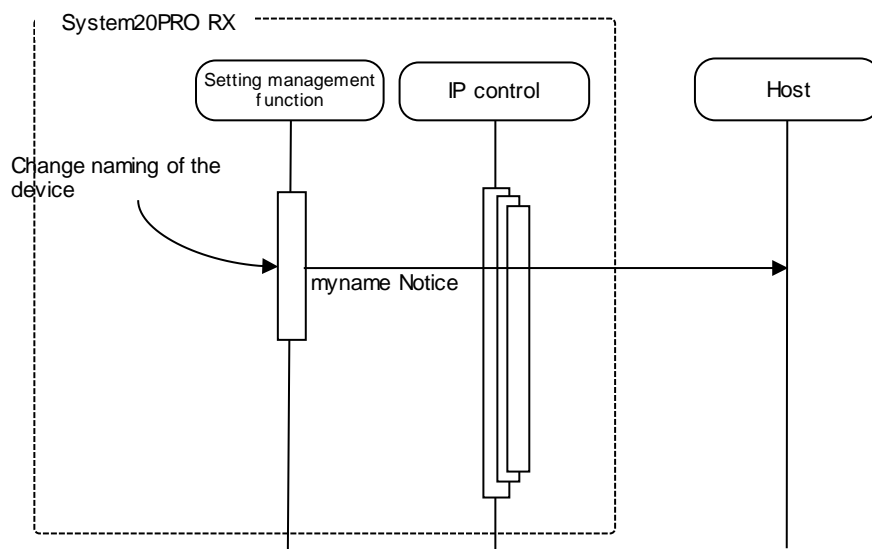
2.4.2 Communication Start

The host registers groups to the multicast address.

2.4.3 Control Sequence

If the Device status changes, a status change notification is sent.

<Example> The sequence of naming change notification is shown below.



2.4.4 Communication Errors

For details on the sequence for transmission errors, see Chapter 2.3.4.

2.4.5 End of Communication

The host can unregister groups at any timing.

3 Command Overview

3.1 Command List

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
1	Device Setting	gmymodel	Model Name Acquisition			○			○	
2		gsys20version	Version Information Acquisition			○			○	
3		gmyname	Device Name Acquisition				○		○	
4		smyname	Device Name Setting			○			○	
5		nmyname	Device Name Change Notification			○			○	
6		gmydeviceid	Device ID Acquisition				○		○	
7		smydeviceid	Device ID Setting			○			○	
8		nmydeviceid	Device ID Change Notification					○	○	
9		gmyid	System20 ID Acquisition				○		○	
10		gautolock	Auto Lock ON/OFF Setting Acquisition				○		○	
11		sautolock	Auto Lock ON/OFF Setting			○			○	
12		nautolock	Auto Lock ON/OFF Setting Change Notification					○	○	
13		gafmeter	AF Meter Setting Acquisition				○		○	
14		safmeter	AF Meter Setting			○			○	
15		nafmeter	AF Meter Setting Change Notification					○	○	
16		gdial	Jog Dial Direction Setting Acquisition				○		○	
17		sdial	Jog Dial Direction Setting			○			○	
18		ndial	Jog Dial Direction Setting Change Notification					○	○	
19	Network	gipnet	Network Information Acquisition			○			○P	
20		sipnet	Network Information Setting			○			○P	

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
21		nipnet	Network Information Setting Change Notification					○	○P	
22		gnoticemode	Notification Mode Acquisition			○			○P	
23		snoticemode	Notification Mode Setting		○				○P	
24		nnoticemode	Notification Mode Setting Change Notification					○	○P	
25		gnoticelevel	Level Notification ON/OFF Acquisition			○			○P	
26		snoticelevel	Level Notification ON/OFF Setting		○				○P	
27		nnoticelevel	Level Notification ON/OFF Setting Change Notification					○	○P	
28		gnoticelevelinterval	Level Notification Intervals Acquisition			○			○P	
29		snoticelevelinterval	Level Notification Intervals Setting		○				○P	
30		nnoticelevelinterval	Level Notification Intervals Setting Change Notification					○	○P	
31		gnoticeaddress	Multicast Address Acquisition			○			○P	
32		snoticeaddress	Multicast Address Setting		○				○P	
33		nnoticeaddress	Multicast Address Setting Change Notification					○	○P	
34		gnoticeportno	Multicast Port Acquisition			○			○P	
35		snoticeportno	Multicast Port Setting		○				○P	
36		nnoticeportno	Multicast Port Setting Change Notification						○P	
37		glogmode	Syslog Setting Acquisition			○			○P	
38		slogmode	Syslog Setting Change		○				○P	
39		nlogmode	Syslog Setting Change Notification					○	○P	
40		gntpmode	NTP ON/OFF Setting Acquisition			○			○P	
41		sntpmode	NTP ON/OFF Setting Change		○				○P	
42		nntpmode	NTP ON/OFF Setting Change Notification					○	○P	

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
43		gntpserveraddress	NTP Server Address Acquisition			○			○P	

No	Category	Command	Command Name	Remarks	Type				Target		
					Set	Get	Req	Info	RX	TX	
44		sntpserveraddress	NTP Server Address Setting		○				○	P	
45		nntpserveraddress	NTP Server Address Change Notification					○	○	P	
46		gntpserverportno	NTP Server Port Acquisition			○			○	P	
47		sntpserverportno	NTP Server Port Setting						○	P	
48		nntpserverportno	NTP Server Port Change Notification					○	○	P	
49		gntptimezone	NTP Time Zone Setting Acquisition			○			○	P	
50		sntptimezone	NTP Time Zone Setting						○	P	
51		nntptimezone	NTP Time Zone Setting Change Notification					○	○	P	
52		gdstmode	DST ON/OFF Setting Acquisition						○	P	
53		sdstmode	DST ON/OFF Setting			○			○	P	
54		ndstmode	DST ON/OFF Setting Change Notification					○	○	P	
55		gdstdatetime	DST Date and Time Setting Acquisition						○	P	
56		sdstdatetime	DST Date and Time Setting			○			○	P	
57		ndstdatetime	DST Date and Time Setting Change Notification					○	○	P	
58		Communication	ghdmode	RF Mode Acquisition			○			○	P
59			shdmode	RF Mode Setting			○			○	P
60			nhdmode	RF Mode Change Notification					○	○	P
61	gmultitx		MultiTx ON/OFF Setting Acquisition						○		
62	smultitx		MultiTx ON/OFF Setting			○			○		
63	nmultitx		MultiTx ON/OFF Setting Change Notification					○	○		
64	npairing		Pairing Status Change Notification					○	○		
65	rpairing		Pairing Request					○	○		

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
66		rcpairing	Pairing Cancel Request				○		○	
67		gmultipairid	Multipairing ID Acquisition			○			○	
68		nmultipairid	Multipairing ID Change Notification					○	○	
69		rdelmultipairid	Multipairing ID Deletion Request				○		○	
70	Audio	gmixout	Mixout ON/OFF Setting Acquisition			○			○	
71		smixout	Mixout ON/OFF Setting		○				○	
72		nmixout	Mixout ON/OFF Setting Change Notification					○	○	
73		gchoutputtype	OutputType Acquisition for Each Ch			○			○	
74		schoutputtype	OutputType Setting for Each Ch		○				○	
75		nchoutputtype	OutputType Change Notification for Each Ch					○	○	
76		gchvolume	Volume Acquisition for Each Ch			○			○	
77		schvolume	Volume Setting for Each Ch		○				○	
78		nchvolume	Volume Change Notification for Each Ch					○	○	
79		gchhpf	HPF Setting Acquisition for Each Ch			○			○	
80		schhpf	HPF Setting for Each Ch		○				○	
81		nchhpf	HPF Setting Change Notification for Each Ch					○	○	
82		gchmixout	Mixout ON/OFF Setting Acquisition for Each Ch			○			○	
83		schmixout	Mixout ON/OFF Setting for Each Ch		○				○	
84		nchmixout	Mixout ON/OFF Setting Change Notification for Each Ch					○	○	
85		gmixoutvolume	Mixout Volume Setting Acquisition for Each Ch			○			○	
86		smixoutvolume	Mixout Volume Setting for Each Ch		○				○	
87	nmixoutvolume	Mixout Volume Setting Notification for Each Ch					○	○		

No	Category	Command	Command Name	Remarks	Type				Target		
					Set	Get	Req	Info	RX	TX	
88		gmixoutputtype	Mixout OutputType Setting Acquisition			○			○		
89		smixoutputtype	Mixout OutputType Setting		○				○		
90		nmixoutputtype	Mixout OutputType Setting Change Notification				○		○		
91		glimiter	Limiter Setting Acquisition			○			○		
92		slimiter	Limiter Setting		○				○		
93		nlimiter	Limiter Setting Change Notification				○		○		
94		gstsmute	Mute Setting Acquisition for Each Ch			○			○		
95		schmute	Mute Setting for Each Ch		○				○		
96		nchmute	Mute Setting Change Notification for Each Ch				○		○		
97	TX	gststx	TX Connection Status Acquisition			○				○	
98		nststx	TX Connection Status Notification				○			○	
99		gtxmodel	TX Model Name Acquisition			○				○	
100		rtxledflash	TX Identify Request					○		○	
101		gtxdeviceid	TxID Acquisition			○				○	
102		stxdeviceid	TxID Setting		○					○	
103		ntxdeviceid	TxID Change Notification					○		○	
104		gtxmicgain	TX Gain Setting Acquisition			○				○	
105		stxmicgain	TX Gain Setting		○					○	
106		ntxmicgain	TX Gain Setting Change Notification					○		○	
107		gtxinput	TX MIC/INST Setting Acquisition	BP only			○○				○BP
108		stxinput	TX MIC/INST Setting	BP only	○						○BP
109		ntxinput	TX MIC/INST Setting Change Notification	BP only				○			○BP

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
110		gtxmutemode	TX MuteMode Setting Acquisition			○				○
111		stxmutemode	TX MuteMode Setting		○					○
112		ntxmutemode	TX MuteMode Setting Change Notification				○			○
113		gtxled	TX LED Mode Acquisition			○				○
114		stxled	TX LED Mode Setting		○					○
115		ntxled	TX LED Mode Change Notification				○			○
116		gtxbattery	TX Battery Type Acquisition	HH and BP only		○				○HP
117		stxbattery	TX Battery Type Setting	HH and BP only	○					○HP
118		ntxbattery	TX Battery Type Change Notification	HH and BP only			○			○HP
119		gtxtimeout	TX Pairing Timeout Time Acquisition			○				○
120		stxtimeout	TX Pairing Timeout Time Setting		○					○
121		ntxtimeout	TX Pairing Timeout Time Change Notification				○			○
122		gtxid	TX System20 ID Acquisition			○				○
123		gtxsys20version	TX Version Acquisition			○				○
124		rtxfactoryreset	TX Factory Reset Request				○			○
125		rtxreboot	TX Reboot Request				○			○
126		gtxforcedmute	TX External Mute Acquisition			○				○
127		stxforcedmute	TX External Mute Setting		○					○
128		ntxforcedmute	TX External Mute Change Notification				○			○
129		gtxforcedmuted	TX External Mute LED Display Setting Acquisition			○				○
130		stxforcedmuted	TX External Mute LED Display Setting		○					○
131		Ntxforcedmuted	TX External Mute LED Display Setting Change Notification				○			○

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
132		gtxmute	TX Mute Status Acquisition			○				○
133		ntxmute	TX Mute Status Change Notification				○			○
134		glevelbatttx	TX Battery Level Acquisition			○				○
135		nlevelbatttx	TX Battery Level Change Notification				○			○
136	EQ	geqenable	EQ ON/OFF Setting Acquisition			○			○	
137		seqenable	EQ ON/OFF Setting		○				○	
138		neqenable	EQ ON/OFF Setting Change Notification				○		○	
139		geqband	EQ ON/OFF Setting Acquisition for Each Band			○			○	
140		seqband	EQ ON/OFF Setting for Each Band		○				○	
141		neqband	EQ ON/OFF Setting Change Notification for Each Band				○		○	
142		geqbandgain	EQ Gain Setting Acquisition for Each Band			○			○	
143		seqbandgain	EQ Gain Setting for Each Band		○				○	
144		neqbandgain	EQ Gain Setting Change Notification for Each Band				○		○	
145		geqbandfreq	EQ Frequency Setting Acquisition for Each Band			○			○	
146		seqbandfreq	EQ Frequency Setting for Each Band		○				○	
147		neqbandfreq	EQ Frequency Setting Change Notification for Each Band				○		○	
148		geqbandq	EQ Q Setting Acquisition for Each Band			○			○	
149		seqbandq	EQ Q Setting for Each Band		○				○	
150		neqbandq	EQ Q Setting Change Notification for Each Band				○		○	
151		geqbandtype	EQ Filter Type Setting Acquisition for Each Band			○			○	
152		seqbandtype	EQ Filter Type Setting for Each Band		○				○	
153	neqbandtype	EQ Filter Type Setting Change Notification for Each Band				○		○		

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
154		geqlastpreset	Last Recalled EQ Preset Acquisition			○			○	
155		seqlastpreset	Last Recalled EQ Preset Setting		○				○	
156		neqlastpreset	Last Recalled EQ Preset Setting Change Notification				○		○	
157		reqrecallpreset	EQ Preset Recall Request				○		○	
158		geqpresetenable	EQ Preset ON/OFF Setting Acquisition			○			○	
159		seqpresetenable	EQ Preset ON/OFF Setting		○				○	
160		neqpresetenable	EQ Preset ON/OFF Setting Change Notification				○		○	
161		geqpresetband	EQ Preset Band ON/OFF Setting Acquisition			○			○	
162		seqpresetband	EQ Preset Band ON/OFF Setting		○				○	
163		neqpresetband	EQ Preset Band ON/OFF Setting Change Notification				○		○	
164		geqpresetbandgain	EQ Preset Gain Setting Acquisition for Each Band			○			○	
165		seqpresetbandgain	EQ Preset Gain Setting for Each Band		○				○	
166		neqpresetbandgain	EQ Preset Gain Setting Change Notification for Each Band				○		○	
167		geqpresetbandfreq	EQ Preset Frequency Setting Acquisition for Each Band			○			○	
168		seqpresetbandfreq	EQ Preset Frequency Setting for Each Band		○				○	
169		neqpresetbandfreq	EQ Preset Frequency Setting Change Notification for Each Band				○		○	
170		geqpresetbandq	EQ Preset Q Setting Acquisition for Each Band			○			○	
171		seqpresetbandq	EQ Preset Q Setting for Each Band		○				○	
172		neqpresetbandq	EQ Preset Q Setting Change Notification for Each Band				○		○	
173		geqpresetbandtype	EQ Preset Filter Type Setting Acquisition for Each Band			○			○	
174		seqpresetbandtype	EQ Preset Filter Type Setting for Each Band		○				○	

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
175		geqpresetname	EQ Preset Name Acquisition			○			○	
176		seqpresetname	EQ Preset Name Setting		○				○	
177		neqpresetname	EQ Preset Name Change Notification				○		○	

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
178		geqpresetype	EQ Preset Type (FactoryPreset/UserPreset) Acquisition			○			○	
179	COMP	gcompenable	COMP ON/OFF Setting Acquisition			○			○	
180		scompenable	COMP ON/OFF Setting		○				○	
181		ncompenable	COMP ON/OFF Setting Change Notification					○	○	
182		gcompratio	COMP Ratio Setting Acquisition			○			○	
183		scompratio	COMP Ratio Setting		○				○	
184		ncompratio	COMP Ratio Setting Change Notification					○	○	
185		gcompthreshold	COMP Threshold Setting Acquisition			○			○	
186		scompthreshold	COMP Threshold Setting		○				○	
187		ncompthreshold	COMP Threshold Setting Change Notification					○	○	
188		gcompattack	COMP Attack Setting Acquisition			○			○	
189		scompattack	COMP Attack Setting		○				○	
190		ncompattack	COMP Attack Setting Change Notification					○	○	
191		gcomprelease	COMP Release Setting Acquisition			○			○	
192		scomprelease	COMP Release Setting		○				○	
193		ncomprelease	COMP Release Setting Change Notification					○	○	
194		gcompgain	COMP Gain Setting Acquisition			○			○	
195		scompgain	COMP Gain Setting		○				○	
196		ncompgain	COMP Gain Setting Change Notification					○	○	
197		gcomplastpreset	Last Recalled COMP Preset Acquisition for Each Ch			○			○	
198	scomplastpreset	Last Recalled COMP Preset Setting for Each Ch		○				○		

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
199		ncomplastpreset	Last Recalled COMP Preset Change Notification for Each Ch				○	○		
200		rcompprecallpreset	COMP Preset Recall Request			○		○		
201		gcomppresetenable	COMP Preset ON/OFF Setting Acquisition		○			○		
202		scomppresetenable	COMP Preset ON/OFF Setting		○			○		
203		ncomppresetenable	COMP Preset ON/OFF Setting Change Notification				○	○		
204		gcomppresetratio	COMP Preset Ratio Setting Acquisition		○			○		
205		scomppresetratio	COMP Preset Ratio Setting		○			○		
206		ncomppresetratio	COMP Preset Ratio Setting Change Notification				○	○		
207		gcomppresetthreshold	COMP Preset Threshold Setting Acquisition		○			○		
208		scomppresetthreshold	COMP Preset Threshold Setting		○			○		
209		ncomppresetthreshold	COMP Preset Threshold Setting Change Notification				○	○		
210		gcomppresetattack	COMP Preset Attack Setting Acquisition		○			○		
211		scomppresetattack	COMP Preset Attack Setting		○			○		
212		ncomppresetattack	COMP Preset Attack Setting Change Notification				○	○		
213		gcomppresetrelease	COMP Preset Release Setting Acquisition		○			○		
214		scomppresetrelease	COMP Preset Release Setting		○			○		
215		ncomppresetrelease	COMP Preset Release Setting Change Notification				○	○		
216		gcomppresetgain	COMP Preset Gain Setting Acquisition		○			○		
217		scomppresetgain	COMP Preset Gain Setting		○			○		
218		ncomppresetgain	COMP Preset Gain Setting Change Notification				○	○		
219		gcomppresetname	COMP Preset Name Setting Acquisition		○			○		

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
220		scomppresetname	COMP Preset Name Setting		○				○	
221		ncomppresetname	COMP Preset Name Setting Change Notification				○		○	
222		gcomppresettype	COMP Preset Type (FactoryPreset/UserPreset) Acquisition			○			○	
223	Status	grxlinkinfo	RxLink Status Acquisition			○			○P	
224		nrxlinkinfo	RxLink Status Change Notification				○		○P	
225		grusts	RU Connection Status Acquisition			○			○	
226		nrusts	RU Connection Status Change Notification					○	○	
227		glock	Lock Status Acquisition			○			○	
228		nlock	Lock Status Change Notification					○	○	
229		gbusy	Busy Status Acquisition			○			○	
230		nbusy	Busy Status Change Notification					○	○	
231	Notification	nsys20levelall	Level Notification				○		○	○
232		napplog	Applog Notification				○		○	
233		galertval	RSSI and Battery Applog Parameter Acquisition			○			○	
234		salertval	RSSI and Battery Applog Parameter Setting			○			○	
235		nalertval	RSSI and Battery Applog Parameter Change Notification					○	○	
236	Other Functions	nsys20rfscan	2.4 GHz Band RF Scan Result Notification				○		○	
237		rsys20rfscan	2.4 GHz Band RF Scan Start/End				○		○	
238		rdflp	RX Identify Request				○		○	
239		rrecallpreset	Preset Recall Request				○		○	
240		rfactoryreset	Factory Reset Request				○		○	

No	Category	Command	Command Name	Remarks	Type				Target	
					Set	Get	Req	Info	RX	TX
241		nreboot	Reboot Completion Notification					○	○	
242		rreboot	Reboot Request				○		○	

4 Command Details

Details about all commands are described below.

4.1 Management

4.1.1 Model Name Acquisition

(1) Get Command

gmyodel_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmyodel		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gmyodel_0001_00_NC_ "ATW-R1440" ↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmyodel		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
5	Parameter	Model name	string	ASCII code	Name	Enclose the 16 characters in quotation marks (").
		DECT mode	string	Blank	DECT mode	Blank for System20 as it is unused
6	End Character	Message end character	binary	0x0d	CR	

4.1.2 Version Information Acquisition

(1) Get Command

```
gsys20version_O_0001_00_NC_↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gsys20version		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

```
gsys20version_0001_00_NC_"001.000.000 ","001.000.000 ","001.001.000 ",
"001.000.000 ","001.000.000 "↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gsys20version		

No	item	Description	type	value	value description	remarks
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Integrated file version	string	ASCII code	Version	Enclose the 12 characters in quotation marks (").
		MCU F/W version	string	ASCII code	Version	Enclose the 12 characters in quotation marks (").
		RC FPGA version	string	ASCII code	Version	Enclose the 12 characters in quotation marks (").
		RU FPGA version	string	ASCII code	Version	Enclose the 12 characters in quotation marks (").
		RU MOD version	string	ASCII code	Version	Enclose the 12 characters in quotation marks (").
6	End Character	Message end character	binary	0x0d	CR	

4.1.3 Device Name Acquisition

After receiving the Device Name Acquisition, RX sends the device name to the host via Answer.

(1) Get Command

gmyname_O_0001_00_NC_↵

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmyname		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gmyname_0001_00_NC_ "SYSTEM20"↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmyname		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Device name	string	ASCII code	Name	Enclose the eight characters in quotation marks (").
6	End Character	Message end character	binary	0x0d	CR	

4.1.4 Device Name Setting

(1) Set Command

The available ASCII characters in setting are "A to Z," "_+-.#&," "0 to 9," and "space."

smyname_S_0001_00_NC_ "SYSTEM20"↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	smyname		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Device name	string	ASCII code	Name	Enclose the eight characters in quotation marks (").
7	End Character	Message end character	binary	0x0d	CR	

4.1.5 Device Name Change Notification

(1) Information

MD_ nmyname_ 0001_ 00_ NC_ "SYSTEM20" ↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nmyname		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Device name	string	ASCII code	Name	Enclose the eight characters in quotation marks (").
7	End Character	Message end character	binary	0x0d	CR	

4.1.6 Device ID Acquisition

(1) Get Command

gmydeviceid_ O_ 0001_ 00_ NC_ ↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmydeviceid		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gmydeviceid_ 0001_ 00_ NC_ 0 ↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmydeviceid		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Device ID	string	0~999		
6	End Character	Message end character	binary	0x0d	CR	

4.1.7 Device ID Setting

(1) Set Command

The command format for Device Name Setting from the host is shown below.

smydeviceid_S_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	smydeviceid		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Device ID	string	0~999		
7	End Character	Message end character	binary	0x0d	CR	

4.1.8 Device ID Change Notification

(1) Information

MD_nmydeviceid_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nmydeviceid		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Device ID	string	0~999		
7	End Character	Message end character	binary	0x0d	CR	

4.1.9 System20 ID Acquisition

(1) Get Command

```
gmyid_O_0001_00_NC_↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmyid		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

```
gmyid_0001_00_NC_ "45012343"↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmyid		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	System20ID	string	ASCII character	Enclose the eight characters of hexadecimal number in quotation marks (").	
6	End Character	Message end character	binary	0x0d	CR	

4.2 Control Setting

4.2.1 Auto Lock ON/OFF Setting Acquisition

(1) Get Command

gautolock_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gautolock		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gautolock_0001_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gautolock		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Auto lock setting	string	0~1	0:OFF / 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.2.2 Auto Lock ON/OFF Setting

(1) Set Command

sautolock_S_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	sautolock		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Auto lock setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.2.3 Auto Lock ON/OFF Setting Change Notification

(1) Information

MD_nautolock_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		

No	item	Description	type	value	value description	remarks
2	Command	Command string	string	nautolock		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Auto lock setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.2.4 AF Meter Setting Acquisition

(1) Get Command

gafmeter_O_0001_00_NC_↵

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gafmeter		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gafmeter_0001_00_NC_0↵

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gafmeter		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	AF Meter Setting	string	0~1	0:Pre / 1:Post	
6	End Character	Message end character	binary	0x0d	CR	

4.2.5 AF Meter Setting

(1) Set Command

safmeter_S_0001_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	safmeter		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	AF Meter Setting	string	0~1	0:Pre / 1:Post	
7	End Character	Message end character	binary	0x0d	CR	

4.2.6 AF Meter Setting Change Notification

(1) Information

MD_nafmeter_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nafmeter		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	AF Meter Setting	string	0~1	0:Pre / 1:Post	
7	End Character	Message end character	binary	0x0d	CR	

4.2.7 Jog Dial Direction Setting Acquisition

(1) Get Command

gdial_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gdial		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gdial_0001_00_NC_0_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gdial		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Dial direction setting	string	0~1	0:Default / 1:Invert	

No	item	Description	type	value	value description	remarks
6	End Character	Message end character	binary	0x0d	CR	

4.2.8 Jog Dial Direction Setting

(1) Set Command

sdial _ S _ 0001 _ 00 _ NC _ 0 ↵

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	sdial		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Dial direction setting	string	0~1	0:Default / 1:Invert	
7	End Character	Message end character	binary	0x0d	CR	

4.2.9 Jog Dial Direction Setting Change Notification

(1) Information

MD _ ndial _ 0001 _ 00 _ NC _ 1 ↵

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ndial		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Dial direction setting	string	0~1	0:Default / 1:Invert	
7	End Character	Message end character	binary	0x0d	CR	

4.3 Network Setting

4.3.1 Network Information Acquisition

(1) Get Command

```
gipnet_O_0001_00_NC_↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gipnet		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

```
gipnet_0001_00_NC_1,192.168.0.15,255.255.255.0,192.168.0.1,1,00-0A-45-01-23-43↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gipnet		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	IP mode	string	0~1	0:Auto / 1:Static	
		IP address	string	0.0.0.1~		

No	item	Description	type	value	value description	remarks
				255.255.255.255		
		Subnet mask	string	0.0.0.1~ 255.255.255.255		
		Default gateway	string	0.0.0.1~ 255.255.255.255		
		UPnP	string	0~1	0:OFF / 1:On	
		MAC address	string	XX-XX-XX-YY-YY- YY	X: Vendor code Y: Vendor management number	
7	End Character	Message end character	binary	0x0d	CR	

4.3.2 Network Information Setting

(1) Set Command

sipnet_S_0001_00_NC_1,192.168.0.15,255.255.255.0,192.168.0.1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	sipnet		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	IP mode	string	0 ~ 1	0:Auto / 1:Static	
		IP address	string	0.0.0.1~ 255.255.255.255		
		Subnet mask	string	0.0.0.1~ 255.255.255.255		
		Default gateway	string	0.0.0.1~ 255.255.255.255		
		UPnP	string	0 ~ 1	0:OFF / 1:On	
7	End Character	Message end character	binary	0x0d	CR	

4.3.3 Network Information Setting Change Notification

(1) Information

MD_nipnet_0001_00_NC_1,192.168.0.15,255.255.255.0,192.168.0.1,1,00-0A-45-01-23-43↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nipnet		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	IP mode	string	0~1		
		IP address	string	0.0.0.1~255.255.255.255	0:Auto / 1:Static	
		Subnet mask	string	0.0.0.1~255.255.255.255		
		Default gateway	string	0.0.0.1~255.255.255.255		
		UPnP	string	0~1		
		MAC address	string	XX-XX-XX-YY-YY-YY	X: Vendor code Y: Vendor management number	
7	End Character	Message end character	binary	0x0d	CR	

4.3.4 Notification Mode Acquisition

(1) Get Command

gnoticemode_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gnoticemode		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gnoticemode_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gnoticemode		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Notification mode	string	0~1	0:OFF / 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.3.5 Notification Mode Setting

(1) Set Command

snoticemode_S_0001_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	snoticemode		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Notification mode	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.3.6 Notification Mode Setting Change Notification

(1) Information

MD_nnoticemode_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nnoticemode		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Notification mode	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.3.7 Level Notification ON/OFF Acquisition

(1) Get Command

gnoticelevel_0_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gnoticelevel		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gnoticelevel_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gnoticelevel		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Level Notification	string	0~1	0:OFF / 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.3.8 Level Notification ON/OFF Setting

(1) Set Command

snoticelevel_S_0001_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	snoticelevel		
2	Handshake Select	Sequence execution system	string	S		

No	item	Description	type	value	value description	remarks
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Level Notification	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.3.9 Level Notification ON/OFF Setting Change Notification

(1) Information

MD_nnoticelevel_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nnoticelevel		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Level Notification	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.3.10 Level Notification Intervals Acquisition

(1) Get Command

gnoticelevelinterval_0_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gnoticelevelinterval		
2	Handshake Select	Sequence execution system	string	0		

No	item	Description	type	value	value description	remarks
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gnoticelevelinterval_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gnoticelevelinterval		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Level notification intervals	string	1 to 600	1:100ms,600:60000ms	
6	End Character	Message end character	binary	0x0d	CR	

4.3.11 Level Notification Intervals Setting

(1) Set Command

snoticelevelinterval_S_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	snoticelevelinterval		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Level notification intervals	string	1 to 600	1:100ms,600:60000ms	
7	End Character	Message end character	binary	0x0d	CR	

4.3.12 Level Notification Intervals Setting Change Notification

(1) Information

MD_nnoticelevelinterval_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nnoticelevelinterval		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Level notification intervals	string	1 to 600	1:100ms,600:60000ms	
7	End Character	Message end character	binary	0x0d	CR	

4.3.13 Multicast Address Acquisition

(1) Get Command

gnoticeaddress_0_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gnoticeaddress		
2	Handshake Select	Sequence execution system	string	0		

No	item	Description	type	value	value description	remarks
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gnoticeaddress_0001_00_NC_239.0.0.100↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gnoticeaddress		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Multicast address	string	224.0.0.0 to 239.255.255.255		
6	End Character	Message end character	binary	0x0d	CR	

4.3.14 Multicast Address Setting

(1) Set Command

snoticeaddress_S_0001_00_NC_239.0.0.100↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	snoticeaddress		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Multicast address	string	224.0.0.0 to 239.255.255.255		
7	End Character	Message end character	binary	0x0d	CR	

4.3.15 Multicast Address Setting Change Notification

(1) Information

MD_nnoticeaddress_0001_00_NC_239.0.0.100↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nnoticeaddress		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Multicast address	string	224.0.0.0 to 239.255.255.255		
7	End Character	Message end character	binary	0x0d	CR	

4.3.16 Multicast Port Acquisition

(1) Get Command

gnoticeportno_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gnoticeportno		
2	Handshake Select	Sequence execution system	string	O		

No	item	Description	type	value	value description	remarks
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gnoticeportno_0001_00_NC_17000↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gnoticeportno		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Port number	string	1~65535		
6	End Character	Message end character	binary	0x0d	CR	

4.3.17 Multicast Port Setting

(1) Set Command

snoticeportno_S_0001_00_NC_17000↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	snoticeportno		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	

No	item	Description	type	value	value description	remarks
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Port number	string	1~65535		
7	End Character	Message end character	binary	0x0d	CR	

4.3.18 Multicast Port Setting Change Notification

(1) Information

MD_nnoticeportno_0001_00_NC_17000↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nnoticeportno		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Port number	string	1~65535		
7	End Character	Message end character	binary	0x0d	CR	

4.3.19 Syslog Setting Acquisition

(1) Get Command

glogmode_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	glogmode		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	

No	item	Description	type	value	value description	remarks
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Syslog setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

glogmode_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	glogmode		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Syslog setting	string	0~1	0:OFF / 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.3.20 Syslog Setting Change

(1) Set Command

slogmode_S_0001_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	slogmode		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Syslog setting	string	0~1	0:OFF / 1:ON	

No	item	Description	type	value	value description	remarks
7	End Character	Message end character	binary	0x0d	CR	

4.3.21 Syslog Setting Change Notification

(1) Information

MD _nlogmode _0001 _00 _NC _1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nlogmode		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Syslog setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.3.22 NTP ON/OFF Setting Acquisition

(1) Get Command

gntpmode _O _0001 _00 _NC _↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gntpmode		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gntpmode_0001_00_NC_0

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gntpmode		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	NTP setting	string	0~1	0:OFF / 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.3.23 NTP ON/OFF Setting Change

(1) Set Command

sntpmode_S_0001_00_NC_0

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	sntpmode		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	NTP setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.3.24 NTP ON/OFF Setting Change Notification

(1) Information

MD_nntpmode_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nntpmode		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	NTP setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.3.25 NTP Server Address Acquisition

(1) Get Command

gntpserveraddress_0_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gntpserveraddress		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gntpserveraddress_0001_00_NC_192.168.0.40↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gntpserveraddress		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	NTP server address	string	0.0.0.1~255.255.255.255		
6	End Character	Message end character	binary	0x0d	CR	

4.3.26 NTP Server Address Setting

(1) Set Command

sntpserveraddress_S_0001_00_NC_192.168.0.40↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	sntpserveraddress		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	NTP server address	string	0.0.0.1~255.255.255.255		
7	End Character	Message end character	binary	0x0d	CR	

4.3.27 NTP Server Address Change Notification

(1) Information

MD _ nntpserveraddress _ 0001 _ 00 _ NC _ 192.168.0.40 ↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nntpserveraddress		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	NTP server address	string	0.0.0.1~255.255.255.255		
7	End Character	Message end character	binary	0x0d	CR	

4.3.28 NTP Server Port Acquisition

(1) Get Command

gntpserverportno _ O _ 0001 _ 00 _ NC _ ↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gntpserverportno		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gntpserverportno_0001_00_NC_123↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gntpserverportno		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	NTP server port	string	1~65535		
6	End Character	Message end character	binary	0x0d	CR	

4.3.29 NTP Server Port Setting

(1) Set Command

sntpserverportno_S_0001_00_NC_123↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	sntpserverportno		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	NTP server port	string	1~65535		
7	End Character	Message end character	binary	0x0d	CR	

4.3.30 NTP Server Port Change Notification

(1) Information

MD_nntpserverportno_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nntpserverportno		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	NTP server port	string	1~65535		
7	End Character	Message end character	binary	0x0d	CR	

4.3.31 NTP Time Zone Setting Acquisition

(1) Get Command

gntptimezone_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gntptimezone		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gntptimezone_0001_00_NC_+09:00_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gntptimezone		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Difference from GMT	string	-12:00 to +14:00	±HH:MM (in units of 30 minutes)	
6	End Character	Message end character	binary	0x0d	CR	

4.3.32 NTP Time Zone Setting

(1) Set Command

sntptimezone _S_ 0001 _00_ NC _+09:00_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	sntptimezone		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Difference from GMT	string	-12:00 to +14:00	±HH:MM (in units of 30 minutes)	
7	End Character	Message end character	binary	0x0d	CR	

4.3.33 NTP Time Zone Setting Change Notification

(1) Information

MD _nntptimezone_ 0001 _00_ NC _+09:00_↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nntptimezone		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Difference from GMT	string	-12:00~+14:00	±HH:MM (in units of 30 minutes)	
7	End Character	Message end character	binary	0x0d	CR	

4.3.34 DST ON/OFF Setting Acquisition

(1) Get Command

gdstmode_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gdstmode		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gdstmode_0001_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gdstmode		

No	item	Description	type	value	value description	remarks
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	DST setting	string	0~1	0:OFF / 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.3.35 DST ON/OFF Setting

(1) Set Command

sdstmode_S_0001_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	sdstmode		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	DST setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.3.36 DST ON/OFF Setting Change Notification

(1) Information

MD_ndstmode_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ndstmode		

No	item	Description	type	value	value description	remarks
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	DST setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.3.37 DST Date and Time Setting Acquisition

(1) Get Command

gdstdatetime_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gdstdatetime		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gdstdatetime_0001_00_NC_03270200,10300200_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gdstdatetime		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
		system				
5	Parameter	DST start date and time	string	MMDDHHmm	MM: Month, DD: Day, HH: Hour, mm: Minute (in units of 30 minutes)	
		DST end date and time	string	MMDDHHmm	MM: Month, DD: Day, HH: Hour, mm: Minute (in units of 30 minutes)	
6	End Character	Message end character	binary	0x0d	CR	

4.3.38 DST Date and Time Setting

(2) Set Command

sdstdatetime_S_0001_00_NC_03270200,10300200↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	sdstdatetime		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	DST start date and time	string	MMDDHHmm	MM: Month, DD: Day, HH: Hour, mm: Minute (in units of 30 minutes)	
		DST end date and time	string	MMDDHHmm	MM: Month, DD: Day, HH: Hour, mm: Minute (in units of 30 minutes)	

No	item	Description	type	value	value description	remarks
7	End Character	Message end character	binary	0x0d	CR	

4.3.39 DST Date and Time Setting Change Notification

(1) Information

MD_0001_00_NC_03270200,10300200↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ndstdatetime		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	DST start date and time	string	MMDDHHmm	MM: Month, DD: Day, HH: Hour, mm: Minute (in units of 30 minutes)	
		DST end date and time	string	MMDDHHmm	MM: Month, DD: Day, HH: Hour, mm: Minute (in units of 30 minutes)	
7	End Character	Message end character	binary	0x0d	CR	

4.4 Communication Setting

4.4.1 RF Mode Acquisition

(1) Get Command

ghdmode_0_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	ghdmode		
2	Handshake Select	Sequence execution	string	0		

No	item	Description	type	value	value description	remarks
		system				
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

ghdmode_0001_00_NC_2↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	ghdmode		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	RF Mode Setting	string	1~2	1:Standard / 2:HDMODE	
6	End Character	Message end character	binary	0x0d	CR	

4.4.2 RF Mode Setting

(1) Set Command

shdmode_S_0001_00_NC_2↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	shdmode		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	RF Mode Setting	string	1~2	1:Standard / 2:HDMode	
7	End Character	Message end character	binary	0x0d	CR	

4.4.3 RF Mode Change Notification

(1) Information

MD_nhdmode_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nhdmode		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	RF Mode Setting	string	1~2	1:Standard / 2:HDMode	
7	End Character	Message end character	binary	0x0d	CR	

4.4.4 MultiTx ON/OFF Setting Acquisition

(1) Get Command

gmultitx_0_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmultitx		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gmultitx_0001_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmultitx		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	MultiTx setting	string	0~1	0:OFF / 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.4.5 MultiTx ON/OFF Setting

(1) Set Command

smultitx_S_0001_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	smultitx		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
6	Parameter	MultiTx setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.4.6 MultiTx ON/OFF Setting Change Notification

(1) Information

MD_nmultitx_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nmultitx		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	MultiTx setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.4.7 Pairing Status Change Notification

(1) Information

MD_npairing_0001_00_NC_1,0,"190d0100","A2"↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	npairing		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		

No	item	Description	type	value	value description	remarks
		Pairing result	string	00~99	00: Pairing successful 01: Pairing failed (cancel) 02: Pairing failed (timeout) 03: Pairing failed (other errors)	
		Tx System20 ID	string	"AAAAAAA"	Enclose the eight characters of hexadecimal number in quotation marks (").	
		quotation	string	"BB"	Enclose the two characters in quotation marks ("). Available characters are "A to Z" and "0 to 9."	
7	End Character	Message end character	binary	0x0d	CR	

4.4.8 Pairing Request

(1) Request Command

rpairing_S_0001_00_NC_1,"A1"

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rpairing		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		TxID	string	"AA"	Enclose the two characters in quotation marks ("). Available characters are "A to Z" and "0 to 9."	
7	End Character	Message end character	binary	0x0d	CR	

4.4.9 Pairing Cancel Request

(1) Request Command

rclpairing_S_0001_00_NC_

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rclpairing		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter				No parameter	
7	End Character	Message end character	binary	0x0d	CR	

4.4.10 Multipairing ID Acquisition

(1) Get Command

gmultipairid_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmultipairid		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gmultipairid_0001_00_NC_1,"190d0100","A1",,,,,,↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmultipairid		
2	RxLink ID	RxLink ID	string	0001-0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Ch number	string	1~4		
		Tx System20 ID (first unit)	string	"AAAAAAAA"	Enclose the eight characters of hexadecimal number in quotation marks (").	
		Channel ID (first unit)	string	"BB"	Enclose the two characters in quotation marks ("). Available characters are "A to Z" and "0 to 9."	
		Tx System20 ID (second unit)	string	"AAAAAAAA"	Enclose the eight characters of hexadecimal number in quotation marks (").	
		Channel ID (second unit)	string	"BB"	Enclose the two characters in quotation marks ("). Available characters are "A to Z" and "0 to 9."	
		Tx System20 ID (third unit)	string	"AAAAAAAA"	Enclose the eight characters of hexadecimal number in quotation marks (").	
		Channel ID (third unit)	string	"BB"	Enclose the two characters in quotation marks ("). Available characters are "A to Z" and "0 to 9."	
		Tx System20 ID (fourth unit)	string	"AAAAAAAA"	Enclose the eight characters of hexadecimal number in quotation marks (").	
	Channel ID (fourth unit)	string	"BB"	Enclose the two characters in quotation marks ("). Available characters are "A to Z" and "0 to 9."		
6	End Character	Message end character	binary	0x0d	CR	

4.4.11 Multipairing ID Change Notification

(1) Information

MD_nmultipairid_0001_00_NC_1,"190d0100","A1",,,,,,↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nmultipairid		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Ch number	string	1~4		
		Tx System20 ID (first unit)	string	"AAAAAAA"	Enclose the eight characters of hexadecimal number in quotation marks (").	
		Channel ID (first unit)	string	"BB"	Enclose the two characters in quotation marks ("). Available characters are "A to Z" and "0 to 9."	
		Tx System20 ID (second unit)	string	"AAAAAAA"	Enclose the eight characters of hexadecimal number in quotation marks (").	
		Channel ID (second unit)	string	"BB"	Enclose the two characters in quotation marks ("). Available characters are "A to Z" and "0 to 9."	
		Tx System20 ID (third unit)	string	"AAAAAAA"	Enclose the eight characters of hexadecimal number in quotation marks (").	
		Channel ID (third unit)	string	"BB"	Enclose the two characters in quotation marks ("). Available characters are "A to Z" and "0 to 9."	
		Tx System20 ID (fourth unit)	string	"AAAAAAA"	Enclose the eight characters of hexadecimal number in quotation marks (").	
	Channel ID (fourth unit)	string	"BB"	Enclose the two characters in quotation marks ("). Available characters are "A to Z" and "0 to 9."		
7	End Character	Message end character	binary	0x0d	CR	

4.4.12 Multipairing ID Deletion Request

(1) Request Command

rdelmultipairid_S_0001_00_NC_

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rdelmultipairid		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter				No parameter	
7	End Character	Message end character	binary	0x0d	CR	

4.5 Audio

4.5.1 Mixout ON/OFF Setting Acquisition

(1) Get Command

gmixout_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmixout		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter			No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gmixout_0001_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmixout		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Mixout setting	string	0~1	0:OFF / 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.5.2 Mixout ON/OFF Setting

(1) Set Command

```
smixout_S_0001_00_NC_0↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	smixout		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Mixout setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.5.3 Mixout ON/OFF Setting Change Notification

(1) Information

```
MD_nmixout_0001_00_NC_1↓
```

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nmixout		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Mixout setting	string	0~1	0:OFF / 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.5.4 OutputType Acquisition for Each Ch

(1) Get Command

gchoutputtype_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gchoutputtype		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gchoutputtype_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gchoutputtype		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		OutputType	string	0~1	0:Line/1:Mic	
6	End Character	Message end character	binary	0x0d	CR	

4.5.5 OutputType Setting for Each Ch

(1) Set Command

```
schoutputtype _S_0001_00_NC_1,1↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	schoutputtype		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		OutputType	string	0~1	0:Line/1:Mic	
7	End Character	Message end character	binary	0x0d	CR	

4.5.6 OutputType Change Notification for Each Ch

(1) Information

```
MD_nchoutputtype_0001_00_NC_1,1↓
```

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		

No	item	Description	type	value	value description	remarks
2	Command	Command string	string	nchoutputtype		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		OutputType	string	0~1	0:Line/1:Mic	
7	End Character	Message end character	binary	0x0d	CR	

4.5.7 Volume Acquisition for Each Ch

(1) Get Command

gchvolume_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gchvolume		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gchvolume_0001_00_NC_1,20↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gchvolume		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Output level	string	0~40	0:-20dB~40:+20dB	
6	End Character	Message end character	binary	0x0d	CR	

4.5.8 Volume Setting for Each Ch

(1) Set Command

schvolume_S_0001_00_NC_1,20↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	schvolume		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Output level	string	0~40	0:-20dB~40:+20dB	
7	End Character	Message end character	binary	0x0d	CR	

4.5.9 Volume Change Notification for Each Ch

(1) Information

MD_nchvolume_0001_00_NC_1,20↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		

No	item	Description	type	value	value description	remarks
2	Command	Command string	string	nchvolume		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Output level	string	0~40	0:-20dB~40:+20dB	
7	End Character	Message end character	binary	0x0d	CR	

4.5.10 HPF Setting Acquisition for Each Ch

(1) Get Command

gchhpf_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gchhpf		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gchhpf_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gchhpf		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		High Pass Filter	string	0~1	0:OFF/1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.5.11 HPF Setting for Each Ch

(1) Set Command

```
schhpf_S_0001_00_NC_1,0↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	schhpf		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		High Pass Filter	string	0~1	0:OFF/1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.5.12 HPF Setting Change Notification for Each Ch

(1) Information

```
MD_nchhpf_0001_00_NC_1↓
```

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		

No	item	Description	type	value	value description	remarks
2	Command	Command string	string	nchhpf		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		High Pass Filter	string	0~1	0:OFF/1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.5.13 Mixout ON/OFF Setting Acquisition for Each Ch

(1) Get Command

gchmixout_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gchmixout		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gchmixout_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gchmixout		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		CH mixout setting	string	0~1	0:OFF/1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.5.14 Mixout ON/OFF Setting for Each Ch

(1) Set Command

```
schmixout_S_0001_00_NC_1,1↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	schmixout		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		CH mixout setting	string	0~1	0:OFF/1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.5.15 Mixout ON/OFF Setting Change Notification for Each Ch

(1) Information

```
MD_nschmixout_0001_00_NC_1↓
```

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		

No	item	Description	type	value	value description	remarks
2	Command	Command string	string	nchmixout		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		CH mixout setting	string	0~1	0:OFF/1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.5.16 Mixout Volume Setting Acquisition for Each Ch

(1) Get Command

gmixoutvolume_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmixoutvolume		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gmixoutvolume_0001_00_NC_1,30↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmixoutvolume		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		CH mixout volume	string	0~40	0:-30dB~40:+10dB	
6	End Character	Message end character	binary	0x0d	CR	

4.5.17 Mixout Volume Setting for Each Ch

(1) Set Command

```
smixoutvolume_S_0001_00_NC_1,30↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	smixoutvolume		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		CH mixout volume	string	0~40	0:-30dB~40:+10dB	
7	End Character	Message end character	binary	0x0d	CR	

4.5.18 Mixout Volume Setting Notification for Each Ch

(1) Information

```
MD_nmixoutvolume_0001_00_NC_1,30↓
```

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		

No	item	Description	type	value	value description	remarks
2	Command	Command string	string	nmixoutvolume		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		CH mixout volume	string	0~40	0:-30dB~40:+10dB	
7	End Character	Message end character	binary	0x0d	CR	

4.5.19 Mixout OutputType Setting Acquisition

(1) Get Command

```
gmixoutputtype _O_0001_00_NC_↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmixoutputtype		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter				No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

```
gmixoutputtype_0001_00_NC_0↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gmixoutputtype		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Mix output type	string	0~1	0:Line/1:Mic	
6	End Character	Message end character	binary	0x0d	CR	

4.5.20 Mixout OutputType Setting

(1) Set Command

smixoutputtype_S_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	smixoutputtype		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Mix output type	string	0~1	0:Line/1:Mic	
7	End Character	Message end character	binary	0x0d	CR	

4.5.21 Mixout OutputType Setting Change Notification

(1) Information

MD_nmixoutputtype_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nmixoutputtype		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Mix output type	string	0~1	0:Line/1:Mic	
7	End Character	Message end character	binary	0x0d	CR	

4.5.22 Limiter Setting Acquisition

(1) Get Command

glimiter_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	glimiter		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

glimiter_0001_00_NC_60↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	glimiter		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
5	Parameter	limiter	string	0~60	0:-60dB~60:0dB	
6	End Character	Message end character	binary	0x0d	CR	

4.5.23 Limiter Setting

(1) Set Command

slimiter_S_0001_00_NC_60↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	slimiter		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	limiter	string	0~60	0:-60dB~60:0dB	
7	End Character	Message end character	binary	0x0d	CR	

4.5.24 Limiter Setting Change Notification

(1) Information

MD_nlimiter_0001_00_NC_60↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nlimiter		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
6	Parameter	limiter	string	0~60	0:-60dB~60:0dB	
7	End Character	Message end character	binary	0x0d	CR	

4.5.25 Mute Setting Acquisition for Each Ch

(1) Get Command

gchmute_0_0001_00_NC_1↵

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gchmute		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gchmute_0001_00_NC_1,0↵

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gchmute		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		CH mute	string	0~1	0:Unmute/1:Mute	

No	item	Description	type	value	value description	remarks
6	End Character	Message end character	binary	0x0d	CR	

4.5.26 Mute Setting for Each Ch

(1) Set Command

`schmute_S_0001_00_NC_1,0`

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	schmute		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		CH mute	string	0~1	0:Unmute/1:Mute	
7	End Character	Message end character	binary	0x0d	CR	

4.5.27 Mute Setting Change Notification for Each Ch

(1) Information

`MD_nchmute_0001_00_NC_1,0`

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nchmute		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
6	Parameter	CH number	string	1~4		
		CH mute	string	0~1	0:Unmute/1:Mute	
7	End Character	Message end character	binary	0x0d	CR	

4.6 TX

4.6.1 TX Connection Status Acquisition

(1) Get Command

```
gststx_O_0001_00_NC_1↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gststx		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

```
gststx_0001_00_NC_1,"01234567"↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gststx		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
		system				
5	Parameter	CH number	string	1~4		
		Tx System20 ID	string	"AAAAAAA"	Enclose the eight characters of hexadecimal number in quotation marks (").	
6	End Character	Message end character	binary	0x0d	CR	

4.6.2 TX Connection Status Notification

(1) Information

MD_ nststx_ 0001_ 00_ NC_ 1, "01234567" ↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nststx		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Tx System20 ID	string	"AAAAAAA"	Enclose the eight characters of hexadecimal number in quotation marks (").	
7	End Character	Message end character	binary	0x0d	CR	

4.6.3 TX Model Name Acquisition

(1) Get Command

gtxmodel_ O_ 0001_ 00_ NC_ 1 ↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxmodel		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxmodel_0001_00_NC_1_"ATW-T1402_""↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxmodel		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Tx model name	string	"ATW-T140X_""	Enclose the 16 characters of hexadecimal number in quotation marks ("").	
6	End Character	Message end character	binary	0x0d	CR	

4.6.4 TX Identify Request

(1) Request Command

rdflp_S_000N_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rdflp		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Identify start	string	0~1	0, 1: Identify start	
7	End Character	Message end character	binary	0x0d	CR	

4.6.5 TxID Acquisition

(1) Get Command

gtxdeviceid_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxdeviceid		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxdeviceid_0001_00_NC_1,"A2"↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxdeviceid		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Tx System20 ID	string	"AA"	Enclose the two characters in quotation marks (""). Available characters are "A to Z" and "0 to 9."	
6	End Character	Message end character	binary	0x0d	CR	

4.6.6 TxID Setting

(1) Set Command

stxdeviceid_S_0001_00_NC_1,"A2"↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	stxdeviceid		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Tx System20 ID	string	"AA"	Enclose the two characters in quotation marks (""). Available characters are "A to Z" and "0 to 9."	
7	End Character	Message end character	binary	0x0d	CR	

4.6.7 TxID Change Notification

(1) Information

MD_ ntxdeviceid_ 0001_ 00_ NC_ 1, "A2" ↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ntxdeviceid		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Tx System20 ID	string	"AA"	Enclose the two characters in quotation marks (""). Available characters are "A to Z" and "0 to 9."	
7	End Character	Message end character	binary	0x0d	CR	

4.6.8 TX Gain Setting Acquisition

(1) Get Command

gtxmicgain_ O_ 0001_ 00_ NC_ 1 ↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxmicgain		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxmicgain_0001_00_NC_1,5↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxmicgain		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Tx gain	string	0~15	0:-10dB ~ 15:+20dB (2dB Step)	
6	End Character	Message end character	binary	0x0d	CR	

4.6.9 TX Gain Setting

(1) Set Command

stxmicgain_S_0001_00_NC_1,5↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	stxmicgain		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Tx gain	string	0~15	0:-10dB ~ 15:+20dB (2dB Step)	

No	item	Description	type	value	value description	remarks
7	End Character	Message end character	binary	0x0d	CR	

4.6.10 TX Gain Setting Change Notification

(1) Information

MD_ntxmigain_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ntxmigain		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Tx gain	string	0~15	0:-10dB ~ 15:+20dB (2dB Step)	
7	End Character	Message end character	binary	0x0d	CR	

4.6.11 TX MIC/INST Setting Acquisition

(1) Get Command

gtxinput_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxinput		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxinput_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxinput		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Input setting	string	0~1	0: Mic / 1: Inst	
6	End Character	Message end character	binary	0x0d	CR	

4.6.12 TX MIC/INST Setting

(1) Set Command

stxinput_S_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	stxinput		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		

No	item	Description	type	value	value description	remarks
		Input setting	string	0~1	0: Mic / 1: Inst	
7	End Character	Message end character	binary	0x0d	CR	

4.6.13 TX MIC/INST Setting Change Notification

(1) Information

MD_ntxinput_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ntxinput		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Input setting	string	0~1	0: Mic / 1: Inst	
7	End Character	Message end character	binary	0x0d	CR	

4.6.14 TX MuteMode Setting Acquisition

(1) Get Command

gtxmutemode_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxmutemode		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxmutemode_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxmutemode		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Mute mode setting	string	0~1[BP,HH] 0~4[BD,DS]	0: ENable/ 1: Disable 0:Toggle(Default mute)/ 1:Toggle(Default unmute) / 2:Touch to talk / 3:Touch to mute / 4:Disable	
6	End Character	Message end character	binary	0x0d	CR	

4.6.15 TX MuteMode Setting

(1) Set Command

stxmutemode_S_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	stxmutemode		
2	Handshake Select	Sequence execution system	string	S		

No	item	Description	type	value	value description	remarks
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Mute mode setting	string	0~1[BP,HH] 0~4[BD,DS]	0: ENable/ 1: Disable 0:Toggle(Default mute)/ 1:Toggle(Default unmute) / 2:Touch to talk / 3:Touch to mute / 4:Disable	

No	item	Description	type	value	value description	remarks
7	End Character	Message end character	binary	0x0d	CR	

4.6.16 TX MuteMode Setting Change Notification

(1) Information

MD_ ntxmutemode_ 0001_ 00_ NC_ 1 ↵

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ntxmutemode		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Device ID	string	1~4		
		Mute mode setting		0~1[BP,HH] 0~4[BD,DS]	0: ENable/ 1: Disable 0:Toggle(Default mute)/ 1:Toggle(Default unmute) / 2:Touch to talk / 3:Touch to mute / 4:Disable	
7	End Character	Message end character	binary	0x0d	CR	

4.6.17 TX LED Mode Acquisition

(1) Get Command

gtxled_ 0_ 0001_ 00_ NC_ 1 ↵

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxled		

No	item	Description	type	value	value description	remarks
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxled_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxled		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		LED setting	string	0~1[BP,HH] 0~1[BD,DS]	0:OFF / 1:ON 0:Standard / 1:Conference	
6	End Character	Message end character	binary	0x0d	CR	

4.6.18 TX LED Mode Setting

(1) Set Command

stxled_S_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	stxled		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		LED setting	string	0~1[BP,HH] 0~1[BD,DS]	0:OFF / 1:ON 0:Standard / 1:Conference	
7	End Character	Message end character	binary	0x0d	CR	

4.6.19 TX LED Mode Change Notification

(1) Information

MD_ntxled_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ntxled		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		LED setting	string	0~1[BP,HH] 0~1[BD,DS]	0:OFF / 1:ON 0:Standard / 1:Conference	
7	End Character	Message end character	binary	0x0d	CR	

4.6.20 TX Battery Type Acquisition

(1) Get Command

gtxbattery_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxbattery		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxbattery_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxbattery		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Battery type	string	0~2[BP,HH]	0:Alkaline/ 1:NiMh/ 2:Lithium	
6	End Character	Message end character	binary	0x0d	CR	

4.6.21 TX Battery Type Setting

(1) Set Command

stxbattery_S_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	stxbattery		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Battery type	string	0~2[BP,HH]	0:Alkaline/ 1:NiMh/ 2:Lithium	
7	End Character	Message end character	binary	0x0d	CR	

4.6.22 TX Battery Type Change Notification

(1) Information

MD_ntxbattery_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ntxbattery		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Battery type	string	0~2[BP,HH]	0:Alkaline/ 1:NiMh/ 2:Lithium	
7	End Character	Message end character	binary	0x0d	CR	

4.6.23 TX Pairing Timeout Time Acquisition

(1) Get Command

gtxtimeout_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxtimeout		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxtimeout_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxtimeout		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Pairing timeout time	string	0~3	0:OFF/1:1min/ 2:10min/3:60min	
6	End Character	Message end character	binary	0x0d	CR	

4.6.24 TX Pairing Timeout Time Setting

(1) Set Command

stxtimeout_S_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	stxtimeout		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Pairing timeout time	string	0~3	0:OFF/1:1min/ 2:10min/3:60min	
7	End Character	Message end character	binary	0x0d	CR	

4.6.25 TX Pairing Timeout Time Change Notification

(1) Information

MD_ntxtimeout_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ntxtimeout		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Pairing timeout time	string	0~3	0:OFF/1:1min/ 2:10min/3:60min	

No	item	Description	type	value	value description	remarks
7	End Character	Message end character	binary	0x0d	CR	

4.6.26 TX System20 ID Acquisition

(1) Get Command

gtxid_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxid		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxid_0001_00_NC_1,"190d0100"↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxid		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Tx System20 ID	string	"AAAAAAA"	Enclose the eight characters of hexadecimal number in	

No	item	Description	type	value	value description	remarks
					quotation marks (").	
6	End Character	Message end character	binary	0x0d	CR	

4.6.27 TX Version Acquisition

(1) Get Command

gtxsys20version_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxsys20version		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxsys20version_0001_00_NC_1,"000.003.009","000.003.005","000.000.165"↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxsys20version		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		ZIP version	string	"AAA.AAA.AAA"	Enclose ASCII characters in	

No	item	Description	type	value	value description	remarks
					quotation marks (").	
		MCU version	string	"BBB.BBB.BBB"	Enclose ASCII characters in quotation marks (").	
		Communication module version	string	"CCC.CCC.CCC"	Enclose ASCII characters in quotation marks (").	
6	End Character	Message end character	binary	0x0d	CR	

4.6.28 TX Factory Reset Request

(1) Request Command

rtxfactoryreset_S_0001_00_NC_1¥r↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rtxfactoryreset		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

4.6.29 TX Reboot Request

(1) Request Command

rtxreboot_S_0001_00_NC_1¥r↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rtxreboot		
2	Handshake Select	Sequence execution	string	S		

No	item	Description	type	value	value description	remarks
		system				
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

4.6.30 TX External Mute Acquisition

(1) Get Command

gtxforcedmute_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxforcedmute		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxforcedmute_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxforcedmute		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	

No	item	Description	type	value	value description	remarks
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Tx external mute	string	0~2	0:OFF/ 1:Unmute/ 2:Mute	
6	End Character	Message end character	binary	0x0d	CR	

4.6.31 TX External Mute Setting

(1) Set Command

```
stxforcedmute_S_0001_00_NC_1,0↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	stxforcedmute		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Tx external mute	string	0~2	0:OFF/ 1:Unmute/ 2:Mute	
7	End Character	Message end character	binary	0x0d	CR	

4.6.32 TX External Mute Change Notification

(1) Information

```
MD_ntxforcedmute_0001_00_NC_1,0↓
```

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ntxforcedmute		

No	item	Description	type	value	value description	remarks
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Tx external mute	string	0~2	0:OFF/1:Unmute/2:Mute	
7	End Character	Message end character	binary	0x0d	CR	

4.6.33 TX External Mute LED Display Setting Acquisition

(1) Get Command

gtxforcedmuteled_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxforcedmuteled		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxforcedmuteled_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxforcedmuteled		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	

No	item	Description	type	value	value description	remarks
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Tx external mute LED	string	0~2	0:OFF/ 1:Unmute/ 2:Mute	
6	End Character	Message end character	binary	0x0d	CR	

4.6.34 TX External Mute LED Display Setting

(1) Set Command

```
stxforcedmutedled_S_0001_00_NC_1,0↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	stxforcedmutedled		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Tx external mute LED	string	0~2	0:OFF/ 1:Unmute/ 2:Mute	
7	End Character	Message end character	binary	0x0d	CR	

4.6.35 TX External Mute LED Display Setting Change Notification

(1) Information

```
MD_nforcedmutedled_0001_00_NC_1,0↓
```

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		

No	item	Description	type	value	value description	remarks
2	Command	Command string	string	nforcedmuted		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Tx external mute LED	string	0~2	0:OFF/1:Unmute/2:Mute	
7	End Character	Message end character	binary	0x0d	CR	

4.6.36 TX Mute Status Acquisition

(1) Get Command

gtxmute_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxmute		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gtxmute_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gtxmute		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Mute status	string	0~1	0:Unmute/ 1:Mute	
6	End Character	Message end character	binary	0x0d	CR	

4.6.37 TX Mute Status Change Notification

(1) Information

MD_ntxmute_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ntxmute		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Mute status	string	0~1	0:Unmute/ 1:Mute	
7	End Character	Message end character	binary	0x0d	CR	

4.6.38 TX Battery Level Acquisition

(1) Get Command

glevelbattx_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	glevelbattx		

No	item	Description	type	value	value description	remarks
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

glevelbattx_0001_00_NC_1,1,3,,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	glevelbattx		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Tx connection status	string	0~1	0: Not connected/1: Connected	
		Battery level or error code	string	0~4	[HH, BP] 0 to 4: Battery level [BD, DS] (When the USB charging status is other than "2: Charging error") 0 to 4: Battery level (When the USB charging status is "2: Charging error") 1: Low temperature error/2: High temperature error/3: Other errors	
		Battery life	blank		Not used	
		USB charging status	string	0 (fixed) [HH, BP]	[BD, DS] 0: USB not	

No	item	Description	type	value	value description	remarks
				0~2[BD,DS]	connected/ 1: USB charging in progress/2: Charging error	
6	End Character	Message end character	binary	0x0d	CR	

4.6.39 TX Battery Level Change Notification

(1) Information

MD_nlevelbattx_0001_00_NC_1,1,3,,0↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nlevelbattx		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Tx connection status	string	0~1	0: Not connected/1: Connected	
		Battery level or error code	string	0~4	[HH, BP] 0 to 4: Battery level [BD,DS] (When the USB charging status is other than "2: Charging error") 0 to 4: Battery level (When the USB charging status is "2: Charging error") 1: Low temperature error/2: High temperature error/3: Other errors	
		Battery life	blank		Not used	
		USB charging status	string	0 (fixed) [HH, BP] 0~2[BD,DS]	[BD, DS] 0: USB not connected/ 1: USB charging in progress/2: Charging error	
7	End Character	Message end character	binary	0x0d	CR	

4.7 EQ

4.7.1 EQ ON/OFF Setting Acquisition

(1) Get Command

geqenable_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqenable		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqenable_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqenable		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		EQ setting	string	0~1	0:OFF/ 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.7.2 EQ ON/OFF Setting

(1) Set Command

seqenable_S_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqenable		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		EQ setting	string	0~1	0:OFF/ 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.7.3 EQ ON/OFF Setting Change Notification

(1) Information

MD_neqenable_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqenable		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		EQ setting	string	0~1	0:OFF/ 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.7.4 EQ ON/OFF Setting Acquisition for Each Band

(1) Get Command

geqband_O_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqband		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Band number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqband_0001_00_NC_1,1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqband		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Band number	string	1~4		
		EQ setting	string	0~1	0:OFF/ 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.7.5 EQ ON/OFF Setting for Each Band

(1) Set Command

seqband_S_0001_00_NC_1,1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqband		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Band number	string	1~4		
		EQ setting	string	0~1	0:OFF/ 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.7.6 EQ ON/OFF Setting Change Notification for Each Band

(2) Information

MD_neqband_0001_00_NC_1,1,1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqband		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Band number	string	1~4		
		EQ setting	string	0~1	0:OFF/ 1:ON	

No	item	Description	type	value	value description	remarks
7	End Character	Message end character	binary	0x0d	CR	

4.7.7 EQ Gain Setting Acquisition for Each Band

(1) Get Command

geqbandgain_O_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqbandgain		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Band number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqbandgain_0001_00_NC_1,1,51↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqbandgain		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Band number	string	1~4		

No	item	Description	type	value	value description	remarks
		Gain setting	string	0~72	0:-18dB ~ 72:+18dB (0.5dB Step)	
6	End Character	Message end character	binary	0x0d	CR	

4.7.8 EQ Gain Setting for Each Band

(1) Set Command

seqbandgain_S_0001_00_NC_1,1,51↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqbandgain		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4	CH number	
		Band number	string	1~4	Band number	
		Gain setting	string	0~72	0:-18dB ~ 72:+18dB (0.5dB Step)	
7	End Character	Message end character	binary	0x0d	CR	

4.7.9 EQ Gain Setting Change Notification for Each Band

(1) Information

MD_neqbandgain_0001_00_NC_1,1,51↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqbandgain		

No	item	Description	type	value	value description	remarks
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4	CH number	
		Band number	string	1~4	Band number	
		Gain setting	string	0~72	0:-18dB ~ 72:+18dB (0.5dB Step)	
7	End Character	Message end character	binary	0x0d	CR	

4.7.10 EQ Frequency Setting Acquisition for Each Band

(1) Get Command

geqbandfreq_O_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqbandfreq		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Band number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqbandfreq_0001_00_NC_1,1,25↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqbandfreq		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Band number	string	1~4		
		Frequency setting	string	0~480	See the end of the document.	
6	End Character	Message end character	binary	0x0d	CR	

4.7.11 EQ Frequency Setting for Each Band

(1) Set Command

seqbandfreq_S_0001_00_NC_1,1,25↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqbandfreq		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4	CH number	
		Band number	string	1~4	Band number	
		Frequency setting	string	0~480	See EQ Frequency Table at the end of the document.	
7	End Character	Message end character	binary	0x0d	CR	

4.7.12 EQ Frequency Setting Change Notification for Each Band

(1) Information

MD neqbandfreq 0001 00 NC 1

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqbandfreq		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4	CH number	
		Band number	string	1~4	Band number	
		Frequency setting	string	0~480	See EQ Frequency Table at the end of the document.	
7	End Character	Message end character	binary	0x0d	CR	

4.7.13 EQ Q Setting Acquisition for Each Band

(1) Get Command

geqbandq 0 0001 00 NC 1,1

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqbandq		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Band number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqbandq_0001_00_NC_1,1,6↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqbandq		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Band number	string	1~4		
		Q setting	string	0~31	See EQ Quality Table at the end of the document.	
6	End Character	Message end character	binary	0x0d	CR	

4.7.14 EQ Q Setting for Each Band

(1) Set Command

seqbandq_S_0001_00_NC_1,1,6↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqbandq		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4	CH number	
		Band number	string	1~4	Band number	

No	item	Description	type	value	value description	remarks
		Q setting	string	0~31	See EQ Quality Table at the end of the document.	
7	End Character	Message end character	binary	0x0d	CR	

4.7.15 EQ Q Setting Change Notification for Each Band

(1) Information

MD_neqbandq_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqbandq		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4	CH number	
		Band number	string	1~4	Band number	
		Q setting	string	0~31	See EQ Quality Table at the end of the document.	
7	End Character	Message end character	binary	0x0d	CR	

4.7.16 EQ Filter Type Setting Acquisition for Each Band

(1) Get Command

geqbandtype_0_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqbandtype		
2	Handshake Select	Sequence execution system	string	0		

No	item	Description	type	value	value description	remarks
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Band number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqbandtype_0001_00_NC_1,1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqbandtype		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Band number	string	1~4		
		EQ filter type setting	string	0~2	[Band1]0:HPF/ 1:LSH/ 2:PEAK [Band4]0:LPF/ 1:HSH/ 2:PEAK Band 2 and 3 cannot be changed from "2: PEAK."	
6	End Character	Message end character	binary	0x0d	CR	

4.7.17 EQ Filter Type Setting for Each Band

(1) Set Command

seqbandtype_S_0001_00_NC_1,1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqbandtype		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Band number	string	1~4		
		EQ filter type setting	string	0~2	[Band1]0:HPF/ 1:LSH/ 2:PEAK [Band4]0:LPF/ 1:HSH/ 2:PEAK Band 2 and 3 cannot be changed from "2: PEAK."	
7	End Character	Message end character	binary	0x0d	CR	

4.7.18 EQ Filter Type Setting Change Notification for Each Band

(1) Information

MD_neqbandtype_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqbandtype		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Band number	string	1~4		
		EQ filter type setting	string	0~2	[Band1]0:HPF/ 1:LSH/ 2:PEAK [Band4]0:LPF/ 1:HSH/ 2:PEAK Band 2 and 3 cannot be changed from "2: PEAK."	
7	End Character	Message end character	binary	0x0d	CR	

4.7.19 Last Recalled EQ Preset Acquisition

(1) Get Command

geqlastpreset_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqlastpreset		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqlastpreset_0001_00_NC_1,3↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqlastpreset		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Last preset number	string	0~7	0: Not recalled, 1 to 7: Preset number	
6	End Character	Message end character	binary	0x0d	CR	

4.7.20 Last Recalled EQ Preset Setting

(1) Set Command

seqlastpreset_S_0001_00_NC_1,3↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqlastpreset		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Last preset number	string	1~7	1 to 7: Preset number	
7	End Character	Message end character	binary	0x0d	CR	

4.7.21 Last Recalled EQ Preset Setting Change Notification

(1) Information

MD_neqlastpreset_0001_00_NC_1,3↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqlastpreset		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Last preset number	string	0~7	0: Not recalled, 1 to 7: Preset number	
7	End Character	Message end character	binary	0x0d	CR	

4.7.22 EQ Preset Recall Request

(1) Request Command

reqrecallpreset_S_0000_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	reqrecallpreset		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Preset number	string	1~7		
7	End Character	Message end character	binary	0x0d	CR	

4.7.23 EQ Preset ON/OFF Setting Acquisition

(1) Get Command

geqpresetenable_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetenable		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqpresetenable_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetenable		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~7		
		EQ Enable	string	0~1	0:OFF/ 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.7.24 EQ Preset ON/OFF Setting

(1) Set Command

seqpresetenable_S_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqpresetenable		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		EQ Enable	string	0~1	0:OFF/ 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.7.25 EQ Preset ON/OFF Setting Change Notification

(2) Information

MD_ neqpresetenable_ 0001_ 00_ NC_ 1,1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqpresetenable		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		EQ Enable	string	0~1	0:OFF/ 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.7.26 EQ Preset Band ON/OFF Setting Acquisition

(1) Get Command

geqpresetband_ O_ 0001_ 00_ NC_ 1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetband		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqpresetband_0001_00_NC_1,1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	eqpresetband		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~7		
		Band number	string	1~4		
		EQ Enable	string	0~1	0:OFF/ 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.7.27 EQ Preset Band ON/OFF Setting

(1) Set Command

seqpresetband_S_0001_00_NC_1,1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqpresetband		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4		

No	item	Description	type	value	value description	remarks
		EQ Enable	string	0~1	0:OFF/ 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.7.28 EQ Preset Band ON/OFF Setting Change Notification

(1) Information

MD_ neqpresetband_ 0001_ 00_ NC_ 1,1,1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqpresetband		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4		
		EQ Enable	string	0~1	0:OFF/ 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.7.29 EQ Preset Gain Setting Acquisition for Each Band

(1) Get Command

geqpresetbandgain_ O_ 0001_ 00_ NC_ 1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetbandgain		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqpresetbandgain_0001_00_NC_1,1,60↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetbandgain		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~7		
		Band number	string	1~4	Band number	
		Gain setting	string	0~72	0:-18dB ~ 72:+18dB (0.5dB Step)	
6	End Character	Message end character	binary	0x0d	CR	

4.7.30 EQ Preset Gain Setting for Each Band

(1) Set Command

seqpresetbandgain_S_0001_00_NC_1,1,60↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqpresetbandgain		

No	item	Description	type	value	value description	remarks
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4	Band number	
		Gain setting	string	0~72	0:-18dB ~ 72:+18dB (0.5dB Step)	
7	End Character	Message end character	binary	0x0d	CR	

4.7.31 EQ Preset Gain Setting Change Notification for Each Band

(1) Information

MD_neqpresetbandgain_0001_00_NC_1,1,60↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqpresetbandgain		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4	Band number	
		Gain setting	string	0~72	0:-18dB ~ 72:+18dB (0.5dB Step)	
7	End Character	Message end character	binary	0x0d	CR	

4.7.32 EQ Preset Frequency Setting Acquisition for Each Band

(1) Get Command

geqpresetbandfreq_O_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetbandfreq		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqpresetbandfreq_0001_00_NC_1,1,112↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetbandfreq		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~7		
		Band number	string	1~4	Band number	
		Frequency setting	string	0~480	See EQ Frequency Table at the end of the document.	

No	item	Description	type	value	value description	remarks
6	End Character	Message end character	binary	0x0d	CR	

4.7.33 EQ Preset Frequency Setting for Each Band

(1) Set Command

seqpresetbandfreq_S_0001_00_NC_1,1,112↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqpresetbandfreq		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4	Band number	
		Frequency setting	string	0~480	See EQ Frequency Table at the end of the document.	
7	End Character	Message end character	binary	0x0d	CR	

4.7.34 EQ Preset Frequency Setting Change Notification for Each Band

(1) Information

MD_neqpresetbandfreq_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqpresetbandfreq		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4	Band number	
		Frequency setting	string	0~480	See EQ Frequency Table at the end of the document.	
7	End Character	Message end character	binary	0x0d	CR	

4.7.35 EQ Preset Q Setting Acquisition for Each Band

(1) Get Command

geqpresetbandq_O_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetbandq		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqpresetbandq_0001_00_NC_1,1,8↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetbandq		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~7		
		Band number	string	1~4	Band number	
		Q setting	string	0~31	See EQ Quality Table at the end of the document.	
6	End Character	Message end character	binary	0x0d	CR	

4.7.36 EQ Preset Q Setting for Each Band

(1) Set Command

seqpresetbandq_S_0001_00_NC_1,1,8↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqpresetbandq		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4	Band number	
		Q setting	string	0~31	See EQ Quality Table at the end of the document.	
7	End Character	Message end character	binary	0x0d	CR	

4.7.37 EQ Preset Q Setting Change Notification for Each Band

(1) Information

MD neqpresetbandq 0001 00 NC 1

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqpresetbandq		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4	Band number	
		Q setting	string	0~31	See EQ Quality Table at the end of the document.	
7	End Character	Message end character	binary	0x0d	CR	

4.7.38 EQ Preset Filter Type Setting Acquisition for Each Band

(1) Get Command

geqpresetbandtype O 0001 00 NC 1,1

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetbandtype		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
		system				
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqpresetbandtype_0001_00_NC_1,1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetbandtype		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~7		
		Band number	string	1~4	Band number	
		EQ filter type setting	string	0~2	[Band1]0:HPF/ 1:LSH/ 2:PEAK [Band4]0:LPF/ 1:HSH/ 2:PEAK Band 2 and 3 cannot be changed from "2: PEAK."	
6	End Character	Message end character	binary	0x0d	CR	

4.7.39 EQ Preset Filter Type Setting for Each Band

(1) Set Command

seqpresetbandtype_S_0001_00_NC_1,1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqpresetbandtype		

No	item	Description	type	value	value description	remarks
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Band number	string	1~4	Band number	
		EQ filter type setting	string	0~2	[Band1]0:HPF/ 1:LSH/ 2:PEAK [Band4]0:LPF/ 1:HSH/ 2:PEAK Band 2 and 3 cannot be changed from "2: PEAK."	
7	End Character	Message end character	binary	0x0d	CR	

4.7.40 EQ Preset Name Acquisition

(1) Get Command

geqpresetname_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetname		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqpresetname_0001_00_NC_1,"NEUTRAL_ _ _ _ _"↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresetname		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~7		
		Preset Name	string	"XXXXXXXXXXXX"	Enclose the 12 characters in quotation marks (""). The available characters are "A to Z," "0 to 9," "_+-.#&," and "space."	
6	End Character	Message end character	binary	0x0d	CR	

4.7.41 EQ Preset Name Setting

(1) Set Command

seqpresetname_S_0001_00_NC_1,"NEUTRAL_ _ _ _ _"↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	seqpresetname		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Preset Name	string	"XXXXXXXXXXXX"	Enclose the 12 characters in quotation marks (""). The available characters are "A to	

No	item	Description	type	value	value description	remarks
					Z, "0 to 9," "_+-.#&," and "space."	
7	End Character	Message end character	binary	0x0d	CR	

4.7.42 EQ Preset Name Change Notification

(1) Information

MD neqpresetname 0001 00 NC 1,"NEUTRAL"↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	neqpresetname		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~7		
		Preset Name	string	"XXXXXXXXXXXX"	Enclose the 12 characters in quotation marks (""). The available characters are "A to Z," "0 to 9," "_+-.#&," and "space."	
7	End Character	Message end character	binary	0x0d	CR	

4.7.43 EQ Preset Type (FactoryPreset/UserPreset) Acquisition

(1) Get Command

geqpresettype 0 0001 00 NC 1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresettype		

No	item	Description	type	value	value description	remarks
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

geqpresettype_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	geqpresettype		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~7		
		Preset Type	string	0~1	0:FactoryPreset/ 1:UserPreset	
6	End Character	Message end character	binary	0x0d	CR	

4.8 COMP

4.8.1 COMP ON/OFF Setting Acquisition

(1) Get Command

gcompenable_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompenable		

No	item	Description	type	value	value description	remarks
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcompenable_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompenable		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		COMP setting	string	0~1	0:OFF/ 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.8.2 COMP ON/OFF Setting

(1) Set Command

scompenable_S_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scompenable		
2	Handshake Select	Sequence execution	string	S		

No	item	Description	type	value	value description	remarks
		system				
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		COMP setting	string	0~1	0:OFF/ 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.8.3 COMP ON/OFF Setting Change Notification

(1) Information

MD_ncompenable_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncompenable		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		COMP setting	string	0~1	0:OFF/ 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.8.4 COMP Ratio Setting Acquisition

(1) Get Command

gcompratio_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompratio		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcompratio_0001_00_NC_1,2↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompratio		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Ratio setting	string	0~5	0: [1:1.4]/1: [1:2]/2: [1:4]/3: [1:6]/4: [1:10]/5: [1:∞]	
6	End Character	Message end character	binary	0x0d	CR	

4.8.5 COMP Ratio Setting

(1) Set Command

scompratio_S_0001_00_NC_1,2↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scompratio		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Ratio setting	string	0~5	0: [1:1.4]/1: [1:2]/2: [1:4]/3: [1:6]/4: [1:10]/5: [1:∞]	
7	End Character	Message end character	binary	0x0d	CR	

4.8.6 COMP Ratio Setting Change Notification

(1) Information

MD_ncompratio_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncompratio		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Ratio setting	string	0~5	0: [1:1.4]/1: [1:2]/2: [1:4]/3: [1:6]/4: [1:10]/5: [1:∞]	
7	End Character	Message end character	binary	0x0d	CR	

4.8.7 COMP Threshold Setting Acquisition

(1) Get Command

gcompthreshold_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompthreshold		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcompthreshold_0001_00_NC_1,34↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompthreshold		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Threshold setting	string	0~60	0:-60dB ~ 60:0dB	
6	End Character	Message end character	binary	0x0d	CR	

4.8.8 COMP Threshold Setting

(1) Set Command

scompthreshold_S_0001_00_NC_1,34↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scompthreshold		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Threshold setting	string	0~60	0:-60dB ~ 60:0dB	
7	End Character	Message end character	binary	0x0d	CR	

4.8.9 COMP Threshold Setting Change Notification

(1) Information

MD_ncmpthreshold_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncmpthreshold		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Threshold setting	string	0~60	0:-60dB ~ 60:0dB	
7	End Character	Message end character	binary	0x0d	CR	

4.8.10 COMP Attack Setting Acquisition

(1) Get Command

gcompattack_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompattack		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcompattack_0001_00_NC_1,6↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompattack		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Attack setting	string	0~9	0:0msec/ 1:0.25msec/2:0.5msec/ 3:1msec/ 4:2msec/ 5:4msec/ 6:8msec/ 7:16msec/ 8:32msec/ 9:100msec	
6	End Character	Message end character	binary	0x0d	CR	

4.8.11 COMP Attack Setting

(1) Set Command

scompattack_S_0001_00_NC_1,6↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scompattack		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Attack setting	string	0~9	0:0msec/ 1:0.25msec/2:0.5msec/ 3:1msec/ 4:2msec/ 5:4msec/ 6:8msec/ 7:16msec/ 8:32msec/ 9:100msec	
7	End Character	Message end character	binary	0x0d	CR	

4.8.12 COMP Attack Setting Change Notification

(1) Information

MD_ncompattack_0001_00_NC_1,6↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncompattack		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Attack setting	string	0~9	0:0msec/ 1:0.25msec/2:0.5msec/ 3:1msec/ 4:2msec/ 5:4msec/ 6:8msec/ 7:16msec/ 8:32msec/ 9:100msec	
7	End Character	Message end character	binary	0x0d	CR	

4.8.13 COMP Release Setting Acquisition

(1) Get Command

```
gcomprelease_O_0001_00_NC_1↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomprelease		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

```
gcomprelease_0001_00_NC_1,0↓
```

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomprelease		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Release setting	string	0~6	0:50msec/ 1:100msec/ 2:200msec/ 3:400msec/ 4:800msec/ 5:1000msec/ 6:2000msec	

No	item	Description	type	value	value description	remarks
6	End Character	Message end character	binary	0x0d	CR	

4.8.14 COMP Release Setting

(1) Set Command

scomprelease_S_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scomprelease		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Release setting	string	0~6	0:50msec/ 1:100msec/ 2:200msec/ 3:400msec/ 4:800msec/ 5:1000msec/ 6:2000msec	
7	End Character	Message end character	binary	0x0d	CR	

4.8.15 COMP Release Setting Change Notification

(2) Information

MD_ncomprelease_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncomprelease		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	

No	item	Description	type	value	value description	remarks
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Release setting	string	0~6	0:50msec/ 1:100msec/ 2:200msec/ 3:400msec/ 4:800msec/ 5:1000msec/ 6:2000msec	
7	End Character	Message end character	binary	0x0d	CR	

4.8.16 COMP Gain Setting Acquisition

(1) Get Command

gcompgain_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompgain		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcompgain_0001_00_NC_1,16↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompgain		

No	item	Description	type	value	value description	remarks
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Gain setting	string	0~20	0:-10dB ~ 20:+10dB	
6	End Character	Message end character	binary	0x0d	CR	

4.8.17 COMP Gain Setting

(1) Set Command

scompgain_S_0001_00_NC_1,16↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scompgain		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Gain setting	string	0~20	0:-10dB ~ 20:+10dB	
7	End Character	Message end character	binary	0x0d	CR	

4.8.18 COMP Gain Setting Change Notification

(1) Information

MD_ncompgain_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncompgain		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Gain setting	string	0~20	0:-10dB ~ 20:+10dB	
7	End Character	Message end character	binary	0x0d	CR	

4.8.19 Last Recalled COMP Preset Acquisition for Each Ch

(1) Get Command

gcomplastpreset_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomplastpreset		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcomplastpreset_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomplastpreset		

No	item	Description	type	value	value description	remarks
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	CH number	string	1~4		
		Last preset setting	string	0~6	0: Not recalled, 1 to 6: Preset number	
6	End Character	Message end character	binary	0x0d	CR	

4.8.20 Last Recalled COMP Preset Setting for Each Ch

(1) Set Command

scomplastpreset_S_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scomplastpreset		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Last preset setting	string	1~6	1 to 6: Preset number	
7	End Character	Message end character	binary	0x0d	CR	

4.8.21 Last Recalled COMP Preset Change Notification for Each Ch

(1) Information

MD_ncomplastpreset_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncomplastpreset		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Last preset setting	string	0~6	0: Not recalled, 1 to 6: Preset number	
7	End Character	Message end character	binary	0x0d	CR	

4.8.22 COMP Preset Recall Request

(1) Request Command

rcomprecallbackpreset_S_0000_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rcomprecallbackpreset		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	CH number	string	1~4		
		Last preset setting	string	1~6		
7	End Character	Message end character	binary	0x0d	CR	

4.8.23 COMP Preset ON/OFF Setting Acquisition

(1) Get Command

gcompmpresetenable_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetenable		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcomppresetenable_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetenable		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~6		
		COMP Enable	string	0~1	0:OFF/ 1:ON	
6	End Character	Message end character	binary	0x0d	CR	

4.8.24 COMP Preset ON/OFF Setting

(1) Set Command

scomppresetenable_S_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scomppresetenable		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		COMP Enable	string	0~1	0:OFF/ 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.8.25 COMP Preset ON/OFF Setting Change Notification

(1) Information

MD_ncomppresetenable_0001_00_NC_1,1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncomppresetenable		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		COMP Enable	string	0~1	0:OFF/ 1:ON	
7	End Character	Message end character	binary	0x0d	CR	

4.8.26 COMP Preset Ratio Setting Acquisition

(1) Get Command

gcomppresetratio_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetratio		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcomppresetratio_0001_00_NC_1,2↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetratio		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~6		
		Ratio setting	string	0~5	0: [1:1.4]/1: [1:2]/2: [1:4]/3: [1:6]/4: [1:10]/5: [1:∞]	
6	End Character	Message end character	binary	0x0d	CR	

4.8.27 COMP Preset Ratio Setting

(1) Set Command

scomppresetratio_S_0001_00_NC_1,2↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scomppresetratio		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		Ratio setting	string	0~5	0: [1:1.4]/1: [1:2]/2: [1:4]/3: [1:6]/4: [1:10]/5: [1:∞]	
7	End Character	Message end character	binary	0x0d	CR	

4.8.28 COMP Preset Ratio Setting Change Notification

(1) Information

MD_ncomppresetratio_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncomppresetratio		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		Ratio setting	string	0~5	0: [1:1.4]/1: [1:2]/2: [1:4]/3: [1:6]/4: [1:10]/5: [1:∞]	
7	End Character	Message end character	binary	0x0d	CR	

4.8.29 COMP Preset Threshold Setting Acquisition

(1) Get Command

gcomppresetthreshold_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetthreshold		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcomppresetthreshold_0001_00_NC_1,34↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetthreshold		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~6		
		Threshold setting	string	0~60	0:-60dB ~ 60:0dB	
6	End Character	Message end character	binary	0x0d	CR	

4.8.30 COMP Preset Threshold Setting

(1) Set Command

scomppresetthreshold_S_0001_00_NC_1,34↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scomppresetthreshold		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		Threshold setting	string	0~60	0:-60dB ~ 60:0dB	
7	End Character	Message end character	binary	0x0d	CR	

4.8.31 COMP Preset Threshold Setting Change Notification

(1) Information

MD_ncomppresetthreshold_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncomppresetthreshold		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		Threshold setting	string	0~60	0:-60dB ~ 60:0dB	

No	item	Description	type	value	value description	remarks
7	End Character	Message end character	binary	0x0d	CR	

4.8.32 COMP Preset Attack Setting Acquisition

(1) Get Command

gcomppresetattack_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetattack		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcomppresetattack_0001_00_NC_1,6↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetpattack		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~6		
		Attack setting	string	0~9	0:0msec/ 1:0.25msec/2:0.5msec/	

No	item	Description	type	value	value description	remarks
					3:1msec/ 4:2msec/ 5:4msec/ 6:8msec/ 7:16msec/ 8:32msec/ 9:100msec	
6	End Character	Message end character	binary	0x0d	CR	

4.8.33 COMP Preset Attack Setting

(1) Set Command

scomppresetattack_S_0001_00_NC_1,6↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scomppresetattack		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		Attack setting	string	0~9	0:0msec/ 1:0.25msec/2:0.5msec/ 3:1msec/ 4:2msec/ 5:4msec/ 6:8msec/ 7:16msec/ 8:32msec/ 9:100msec	
7	End Character	Message end character	binary	0x0d	CR	

4.8.34 COMP Preset Attack Setting Change Notification

(1) Information

MD_ncomppresetattack_0001_00_NC_1,6↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncomppresetattack		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		Attack setting	string	0~9	0:0msec/ 1:0.25msec/2:0.5msec/ 3:1msec/ 4:2msec/ 5:4msec/ 6:8msec/ 7:16msec/ 8:32msec/ 9:100msec	
7	End Character	Message end character	binary	0x0d	CR	

4.8.35 COMP Preset Release Setting Acquisition

(1) Get Command

gcomppresetrelease_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetrelease		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcomppresetrelease_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetrelease		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~6		
		Release setting	string	0~6	0:50msec/ 1:100msec/ 2:200msec/ 3:400msec/ 4:800msec/ 5:1000msec/ 6:2000msec	
6	End Character	Message end character	binary	0x0d	CR	

4.8.36 COMP Preset Release Setting

(1) Set Command

scomppresetrelease_S_0001_00_NC_1,0↵

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scomppresetrelease		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		Release setting	string	0~6	0:50msec/ 1:100msec/ 2:200msec/ 3:400msec/ 4:800msec/ 5:1000msec/ 6:2000msec	
7	End Character	Message end character	binary	0x0d	CR	

4.8.37 COMP Preset Release Setting Change Notification

(1) Information

MD_ncomppresetrelease_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncomppresetrelease		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		Release setting	string	0~6	0:50msec/ 1:100msec/ 2:200msec/ 3:400msec/ 4:800msec/ 5:1000msec/ 6:2000msec	
7	End Character	Message end character	binary	0x0d	CR	

4.8.38 COMP Preset Gain Setting Acquisition

(1) Get Command

gcomppresetgain_0_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetgain		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	

No	item	Description	type	value	value description	remarks
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcompresetgain_0001_00_NC_1,16↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompresetgain		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~6		
		Gain setting	string	0~20	0:-10dB ~ 20:+10dB	
6	End Character	Message end character	binary	0x0d	CR	

4.8.39 COMP Preset Gain Setting

(1) Set Command

scompresetgain_S_0001_00_NC_1,16↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scompresetgain		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
		system				
6	Parameter	Preset number	string	1~6		
		Gain setting	string	0~20	0:-10dB ~ 20:+10dB	
7	End Character	Message end character	binary	0x0d	CR	

4.8.40 COMP Preset Gain Setting Change Notification

(1) Information

MD_ncomppresetgain_0001_00_NC_1,16↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	ncomppresetgain		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		Gain setting	string	0~20	0:-10dB ~ 20:+10dB	
7	End Character	Message end character	binary	0x0d	CR	

4.8.41 COMP Preset Name Setting Acquisition

(1) Get Command

gcomppresetname_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresetname		
2	Handshake Select	Sequence execution system	string	O		

No	item	Description	type	value	value description	remarks
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcompresetname_0001_00_NC_1,"VOCAL_ _ _ _ _ _ _ _ _ _"↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcompresetname		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~6		
		Preset Name	string	"XXXXXXXXXXXX"	Enclose the 12 characters in quotation marks (""). The available characters are "A to Z," "0 to 9," "_+-.#&," and "space."	
6	End Character	Message end character	binary	0x0d	CR	

4.8.42 COMP Preset Name Setting

(1) Set Command

scompresetname_S_0001_00_NC_1,"VOCAL_ _ _ _ _ _ _ _ _ _"↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	scomppresetname		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		Preset Name	string	"XXXXXXXXXXXX"	Enclose the 12 characters in quotation marks ("). The available characters are "A to Z," "0 to 9," "_+-.#&," and "space."	
7	End Character	Message end character	binary	0x0d	CR	

4.8.43 COMP Preset Name Setting Change Notification

(1) Information

MD_ncomppresetname_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	comppresetname		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
		Preset Name	string	"XXXXXXXXXXXX"	Enclose the 12 characters in quotation marks ("). The available characters are "A to Z," "0 to 9," "_+-.#&," and "space."	
7	End Character	Message end character	binary	0x0d	CR	

4.8.44 COMP Preset Type (FactoryPreset/UserPreset) Acquisition

(1) Get Command

gcomppresettype_O_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresettype		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Preset number	string	1~6		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gcomppresettype_0001_00_NC_1,0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gcomppresettype		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Preset number	string	1~6		
		Preset Type	string	0~1	0:FactoryPreset/ 1:UserPreset	
6	End Character	Message end character	binary	0x0d	CR	

4.9 Status

4.9.1 RxLink Information Acquisition

(1) Get Command

grxlinkinfo_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	grxlinkinfo		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter				No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

grxlinkinfo_0001_00_NC_2,00-0A-45-01-23-43,3,,4,,5,↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	grxlinkinfo		
2	RxLink ID	RxLink ID	string	0001	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	RxLink number (second unit)	string	2		
		MAC address (second unit)	string	XX-XX-XX-YY-YY-YY	X: Vendor code Y: Vendor management number (Blank if not connected)	
		RxLink number (third unit)	string	3		

No	item	Description	type	value	value description	remarks
		MAC address (third unit)	string	XX-XX-XX-YY-YY-YY		
		RxLink number (fourth unit)	string	4		
		MAC address (fourth unit)	string	XX-XX-XX-YY-YY-YY		
		RxLink number (fifth unit)	string	5		
		MAC address (fifth unit)	string	XX-XX-XX-YY-YY-YY		
6	End Character	Message end character	binary	0x0d	CR	

4.9.2 RxLink Status Change Notification

(1) Information

MD_nrxlinkinfo_0001_00_NC_2,00-0A-45-01-23-43,3,,4,,5,↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nrxlinkinfo		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	RxLink number (second unit)	string	2		
		MAC address (second unit)	string	XX-XX-XX-YY-YY-YY	X: Vendor code Y: Vendor management number (Blank if not connected)	
		RxLink number (third unit)	string	3		
		MAC address (third unit)	string	XX-XX-XX-YY-YY-YY		
		RxLink number (fourth unit)	string	4		
		MAC address (fourth unit)	string	XX-XX-XX-YY-YY-YY		
		RxLink number (fifth unit)	string	5		
		MAC address (fifth unit)	string	XX-XX-XX-YY-YY-YY		
7	End Character	Message end character	binary	0x0d	CR	

4.9.3 RU Connection Status Acquisition

(1) Get Command

grusts_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	grusts		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter				No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

grusts_0001_00_NC_0,0_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	grusts		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	RU connection status	string	0: Not connected/1: Connected		
		FW version inconsistency	string	0: No inconsistency/1: Inconsistency		
6	End Character	Message end character	binary	0x0d		

4.9.4 RU Connection Status Change Notification

(1) Information

MD_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nrusts		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	RU connection status	string	0: Not connected/1: Connected		
		FW version inconsistency	string	0: No inconsistency/1: Inconsistency		
7	End Character	Message end character	binary	0x0d	CR	

4.9.5 Lock Status Acquisition

(1) Get Command

glock_0_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	glock		
2	Handshake Select	Sequence execution system	string	0		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
6	Parameter				No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

glock_0001_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	glock		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Lock status	string	0~1	0: Not locked/1: Locked	
6	End Character	Message end character	binary	0x0d	CR	

4.9.6 Lock Status Change Notification

(1) Information

MD_nlock_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nlock		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Lock status	string	0~1	0: Not locked/1: Locked	
7	End Character	Message end character	binary	0x0d	CR	

4.9.7 Busy Status Acquisition

(1) Get Command

gbusy_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gbusy		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter				No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

gbusy_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	gbusy		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Busy status	string	0~1	0: Not busy/1: Busy	
6	End Character	Message end character	binary	0x0d	CR	

4.9.8 Busy Status Change Notification

(1) Information

MD_nbusy_0001_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nbusy		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Busy status	string	0~1	0: Not busy/1: Busy	
7	End Character	Message end character	binary	0x0d	CR	

4.9.9 Level Notification

(1) Information

nsys20levelall_0001_00_NC_0,4,1,0,0,0,-120,0,0,0,0,0,2,0,0,0,-
120,0,0,0,0,0,3,0,0,0,-120,0,0,0,0,0,4,0,0,0,-120,0,0,0,0,0¥r↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nsys20levelall		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Mixout AF Level	string	0~7	Number of level meter lights in WLM (7: Peak)	
		Total number of Ch	string	4	4 (fixed)	
		Ch number*	string	1~4		

No	item	Description	type	value	value description	remarks
		Tx connection status*	string	0~1	0: Not connected/1: Connected	
		RF Level*	string	0~7	Number of level meter lights in WLM	
		AF Level*	string	0~7	Number of level meter lights in WLM (7: Peak)	
		RSSI*	string	-120~0	dBm	
		Communication quality*	string	0~100		
		Audio quality*	string	0~1000		
		COMP Input*	string	0~28		
		COMP Gain reduction*	string	0~28		
		COMP Output*	string	0~28		
		Repeat items with an asterisk (*) for the number of channels.	string			
7	End Character	Message end character	binary	0x0d	CR	

4.9.10 Applog Notification

(1) Information

MD_napplog_0000_00_NC_ "ATW-R1440_____",0,5,"RF_mode_changed"↵

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	napplog		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Model name	string	ASCII code	Enclose the 16 characters in quotation marks ("").	
		Log level	string	0	INFO	
		Device ID	string	0 ~ 255	Device ID	

No	item	Description	type	value	value description	remarks
		Log text	char	ASCII code	Enclose the log text in quotation marks (").	
7	End Character	Message end character	binary	0x0d	CR	

4.9.11 RSSI and Battery Aplog Parameter Acquisition

(1) Get Command

galertval_O_0001_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	galertval		
2	Handshake Select	Sequence execution system	string	O		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter				No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

galertval_0001_00_NC_-90,20↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	galertval		
2	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
3	Unit ID	Unit ID	string	00	See 2.2.2.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	RSSI alert threshold	string	-90~-60		

No	item	Description	type	value	value description	remarks
		Battery alert threshold	string	1~3	1 to 3: Number of battery cell displays that output alerts	
6	End Character	Message end character	binary	0x0d	CR	

4.9.12 RSSI and Battery Aplog Parameter Setting

(1) Set Command

salertval_S_0001_00_NC_-90,1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	salertval		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	

No	item	Description	type	value	value description	remarks
6	Parameter	RSSI alert threshold	string	-90~-60		
		Battery alert threshold	string	1~3	Number of battery cell displays that output alerts	
7	End Character	Message end character	binary	0x0d	CR	

4.9.13 RSSI and Battery Aplog Parameter Change Notification

(1) Information

MD_nalertval_0001_00_NC_-90,1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nalertval		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	RSSI alert threshold	string	-90~-60		
		Battery alert threshold	string	1~3	Number of battery cell displays that output alerts	
7	End Character	Message end character	binary	0x0d	CR	

4.10 Other Functions

4.10.1 2.4 GHz Band RF Scan Start/End

(1) Request Command

rsys20rfscan_S_000N_00_NC_1↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rsys20rfscan		

No	item	Description	type	value	value description	remarks
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Scan start/end	string	0~1	0: End/1: Start	
7	End Character	Message end character	binary	0x0d	CR	

4.10.2 2.4 GHz Band RF Scan Result Notification

After starting RF scan, RX sends a UDP notification every 10 seconds.

Since the notification cannot be completed by a single command, the notification is divided into multiple times.

(1) Information

MD_ nsys20rfscan_ 0001_ 00_ NC_ 1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nsys20rfscan		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Leading frequency of data [MHz]	string	2400~2480		
		Ending frequency of data [MHz]	string	2400~2480		
		Number of data	string	1~80		
		Final data flag	string	0~1	0: Non-final data, 1: Final data	
		RSSI	string	0~100	0:-120dBm ~ 100:-20dBm	Stored as much as the number of data
7	End Character	Message end character	binary	0x0d	CR	

4.10.3 RX Identify Request

(1) Request Command

rdflp_S_000N_00_NC_0↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rdflp		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Identify start	string	0~1	0, 1: Identify start	
7	End Character	Message end character	binary	0x0d	CR	

4.10.4 Preset Recall Request

(1) Request Command

rrecallpreset_S_000N_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rrecallpreset		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	No parameter	string			
7	End Character	Message end character	binary	0x0d	CR	

4.10.5 Factory Reset Request

(1) Request Command

rfactoryreset_S_000N_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rfactoryreset		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	No parameter				
7	End Character	Message end character	binary	0x0d	CR	

4.10.6 Reboot Request

(1) Request Command

rreboot_S_000N_00_NC_↓

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	rreboot		
2	Handshake Select	Sequence execution system	string	S		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	No parameter				
7	End Character	Message end character	binary	0x0d	CR	

4.10.7 Reboot Completion Notification

(1) Information

MD_nreboot_000N_00_NC_2,1↓

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	nreboot		
3	RxLink ID	RxLink ID	string	0001~0005	See 2.2.2.	
4	Unit ID	Unit ID	string	00	See 2.2.2.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Operation type at reset	string	1~2	1: Local operation (button operation) 2: Remote operation (IP operation)	
		Reset type	string	1~5	1: Reset only (Single rreboot, etc.) 2: Factory reset, including pressing and holding the button 3: Preset reset 4: Reset to apply network setting change 5: Firmware update	
7	End Character	Message end character	binary	0x0d	CR	

5 Appendix

EQ Frequency Table

#	Hz	#	Hz	#	Hz	#	Hz	#	Hz	#	Hz	#	Hz	#	Hz	#	Hz	#	Hz
0	20.0	24	28.0	48	40.0	72	56.0	96	80.0	120	110	144	160	168	224	192	315	216	450
1	20.3	25	28.5	49	40.5	73	57.0	97	81.0	121	112	145	162	169	228	193	321	217	457
2	20.5	26	29.0	50	41.0	74	58.0	98	82.0	122	115	146	165	170	232	194	327	218	465
3	20.7	27	29.5	51	42.0	75	59.0	99	83.0	123	118	147	167	171	236	195	333	219	472
4	21.0	28	30.0	52	43.0	76	60.0	100	85.0	124	120	148	170	172	240	196	340	220	480
5	21.3	29	30.5	53	43.5	77	60.5	101	86.0	125	121	149	172	173	242	197	344	221	485
6	21.5	30	31.0	54	44.0	78	61.0	102	87.0	126	122	150	175	174	245	198	347	222	490
7	21.7	31	31.2	55	44.5	79	62.0	103	89.0	127	123	151	177	175	247	199	351	223	495
8	22.0	32	31.5	56	45.0	80	63.0	104	90.0	128	125	152	180	176	250	200	355	224	500
9	22.5	33	32.0	57	45.5	81	64.0	105	92.0	129	127	153	183	177	255	201	361	225	507
10	23.0	34	33.0	58	46.0	82	65.0	106	93.0	130	130	154	186	178	260	202	367	226	515
11	23.5	35	33.5	59	47.0	83	67.0	107	95.0	131	133	155	189	179	265	203	374	227	522
12	24.0	36	34.0	60	48.0	84	68.0	108	96.0	132	136	156	192	180	270	204	380	228	530
13	24.2	37	34.5	61	48.5	85	68.5	109	97.0	133	137	157	194	181	272	205	385	229	538
14	24.5	38	35.0	62	49.0	86	69.0	110	98.0	134	138	158	196	182	275	206	390	230	545
15	24.7	39	35.5	63	49.5	87	70.0	111	99.0	135	139	159	198	183	278	207	395	231	552
16	25.0	40	36.0	64	50.0	88	71.0	112	100	136	140	160	200	184	280	208	400	232	560
17	25.5	41	36.5	65	50.5	89	72.0	113	101	137	143	161	203	185	285	209	408	233	570
18	26.0	42	37.0	66	51.0	90	73.0	114	102	138	146	162	205	186	290	210	415	234	580
19	26.5	43	37.5	67	52.0	91	75.0	115	103	139	149	163	207	187	295	211	422	235	590
20	27.0	44	38.0	68	53.0	92	76.0	116	105	140	152	164	210	188	300	212	430	236	600
21	27.2	45	38.5	69	53.5	93	77.0	117	106	141	154	165	213	189	304	213	435	237	608
22	27.5	46	39.0	70	54.0	94	78.0	118	107	142	156	166	217	190	307	214	440	238	615
23	27.7	47	39.5	71	55.0	95	79.0	119	108	143	158	167	220	191	311	215	445	239	623

#	Hz	#	Hz	#	Hz	#	Hz	#	Hz	#	Hz	#	Hz	#	Hz	#	Hz	#	Hz
240	630	265	915	290	1300	315	1890	340	2700	365	3850	390	5450	415	7900	440	11200	465	16300
241	642	266	930	291	1330	316	1920	341	2730	366	3900	391	5530	416	8000	441	11400	466	16500
242	655	267	945	292	1360	317	1940	342	2750	367	3950	392	5600	417	8120	442	11600	467	16800
243	667	268	960	293	1370	318	1960	343	2770	368	4000	393	5700	418	8250	443	11800	468	17000
244	680	269	970	294	1380	319	1980	344	2800	369	4070	394	5800	419	8370	444	12000	469	17300
245	687	270	980	295	1390	320	2000	345	2850	370	4150	395	5900	420	8500	445	12200	470	17500
246	695	271	990	296	1400	321	2030	346	2900	371	4220	396	6000	421	8620	446	12300	471	17800
247	703	272	1000	297	1430	322	2050	347	2950	372	4300	397	6080	422	8750	447	12400	472	18000
248	710	273	1010	298	1460	323	2080	348	3000	373	4350	398	6150	423	8870	448	12500	473	18300
249	722	274	1020	299	1490	324	2100	349	3040	374	4400	399	6230	424	9000	449	12800	474	18600
250	735	275	1030	300	1520	325	2140	350	3070	375	4450	400	6300	425	9150	450	13000	475	18900
251	747	276	1050	301	1540	326	2170	351	3110	376	4500	401	6420	426	9300	451	13300	476	19200
252	760	277	1070	302	1560	327	2200	352	3150	377	4570	402	6550	427	9450	452	13600	477	19400
253	770	278	1080	303	1580	328	2240	353	3210	378	4650	403	6670	428	9600	453	13700	478	19600
254	780	279	1100	304	1600	329	2280	354	3270	379	4730	404	6800	429	9700	454	13800	479	19800
255	790	280	1120	305	1630	330	2320	355	3340	380	4800	405	6880	430	9800	455	13900	480	20000
256	800	281	1140	306	1650	331	2360	356	3400	381	4850	406	6950	431	9900	456	14000		
257	812	282	1160	307	1680	332	2400	357	3440	382	4900	407	7030	432	10000	457	14300		
258	825	283	1180	308	1700	333	2430	358	3470	383	4950	408	7100	433	10100	458	14600		
259	837	284	1200	309	1730	334	2450	359	3510	384	5000	409	7220	434	10300	459	14900		
260	850	285	1210	310	1750	335	2470	360	3550	385	5080	410	7350	435	10400	460	15200		
261	862	286	1220	311	1780	336	2500	361	3610	386	5150	411	7470	436	10500	461	15400		
262	875	287	1240	312	1800	337	2550	362	3670	387	5220	412	7600	437	10700	462	15600		
263	887	288	1250	313	1830	338	2600	363	3750	388	5300	413	7700	438	10900	463	15800		
264	900	289	1280	314	1860	339	2650	364	3800	389	5380	414	7800	439	11100	464	16000		

EQ Quality Table

#	Quality	#	Quality
0	0.30	16	3.5
1	0.35	17	4.0
2	0.41	18	4.5
3	0.47	19	5.0
4	0.55	20	6.0
5	0.64	21	7.0
6	0.75	22	8.4
7	0.87	23	10
8	1.0	24	12
9	1.2	25	14
10	1.4	26	16
11	1.6	27	19
12	1.9	28	22
13	2.2	29	25
14	2.5	30	30
15	3.0	31	60