



ROLLS

DU30b Audio Ducker

SPECIFICATIONS

Frequency Response	20 Hz - 40 kHz
Input Impedance	100K Ω unbalanced, 600 Ω balanced
THD + Noise	<0.03% typical
Noise Floor	-78 dB
Indicators	Power LED
Input/Output jacks	XLR balanced input RCA unbalanced input and output
Size:	4" x 4" x 1.5"
Weight:	1 lb. (.5 kg)
Power:	12 - 15 VDC 500mA 5 x 1.2 mm DC Jack - Center Negative

- Restaurants
- Clubs
- Schools

... Anywhere you need to duck a paging signal under a background source.

Connection guide

What's in the box?

- 1 - Made in USA DU30b
- 1 - 15V power supply PN PS27s
- 1 - This owners manual

CONNECTION:

If you are using a condenser microphone, jumper pins connect the two Phantom Power pins together. Set the level of the music signal (Line In) for a comfortable level. Speak into the microphone and adjust the Mic Level for a comfortable level, then adjust the Sensitivity so that the music is muted when speaking with a normal voice. Set the Release Time control for the amount of time you wish for the Aux In signal to return to normal. Set the Duck Depth control for the amount of Aux In signal reduction you want when the Mic or Alternate signal is present.

DESCRIPTION:

- Automatically ducks music under announcements - Perfect for restaurants and small clubs - Clean, Quiet Mic Preamp

The DU30b is a microphone preamp and back-ground music preamp. When an announcement is made into the microphone, the music is automatically "ducked" under the announcement. Then the music is brought back to it's previous level.

AUX IN: Stereo RCA jacks for connecting to a source different from the Mic In as the master signal.

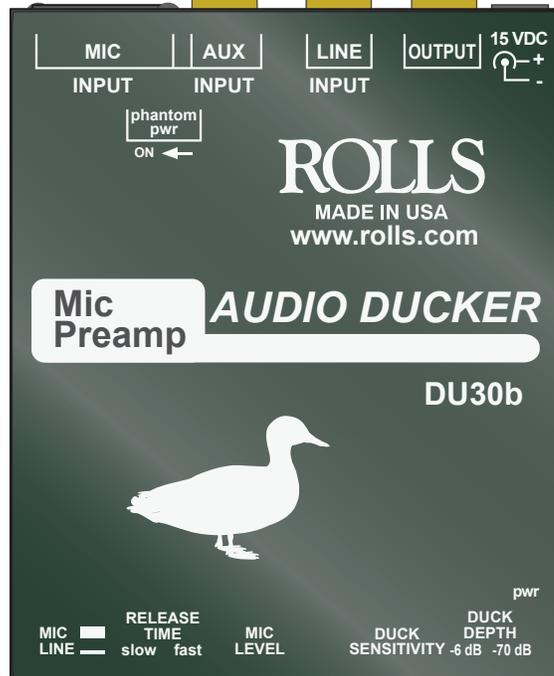
LINE IN: Stereo RCA jack for connection to the stereo signal source to be "ducked" such as a tuner, CD player or cassette player.

PHANTOM PWR: Switch for engaging the +15 volt phantom power to the microphone input.

MIC IN: Female XLR jack for connection to a dynamic or condenser paging microphone.

OUTPUT: Stereo RCA jacks for connection to the system's amplifiers.

DC jack for connection to the included Rolls PS27s power supply.



MIC/LINE: When pressed in, the gain of the XLR Mic In is reduced by 30 dB.

RELEASE TIME: Adjusts the amount of time for the "ducked" signal to return to its normal level. Counter-clockwise; slow - Clockwise; fast.

MIC LEVEL: Adjusts the amount of gain in the Mic In circuit.

DUCK DEPTH: Adjusts the amount of background signal (or Line In) reduction - fully counter clockwise the signal is reduced 6 dB, fully clockwise the signal is reduced 90 dB.

DUCK SENSITIVITY: The Threshold at which "ducking" begins. When the microphone level reaches the threshold, the signal present at the Line In jacks is reduced until the announcement is over, then the Line In signal returns to its previous level.

A NOTE ON THE DU30b THRESHOLD, WITH THE SENSITIVITY CONTROL FULLY CLOCKWISE: If the control (paging) signal is on the XLR input, then ducking begins (the threshold is) at -40 dB when the Mic/Line switch is set to "Mic", and 0 dB when the switch is set to "Line". If the control signal is on the RCA input, ducking begins at -40 dB.

WE RECOMMEND TURNING THE DUCK SENSITIVITY AND DUCK DEPTH KNOBS BOTH FULLY CLOCKWISE (ALL THE WAY UP) TO START. THIS IS THE HIGHEST SENSITIVITY AND MOST DUCKING AVAILABLE ON THE UNIT.