

# dB10

PASSIVE DIRECT BOX



# dB12

ACTIVE DIRECT BOX



## Product Overview

At dbx, when we do something, we do it right. So when we decided to create our new direct injection boxes, we didn't settle for the same old tired approach to direct box design. With our dbx name on the line, how could we? One look at our new dB10 Passive and dB12 Active direct boxes will tell you that these are clearly different. With their bullet-proof construction, and extraordinary audio performance to rival their looks, finally there's a direct box worthy of the dbx name.

Utilizing custom dbx mu-metal-shielded audio transformers, high-quality Neutrik® connectors, and low-noise circuitry preserves the sonic integrity and true characteristics of the signal source. Both boxes include a pad switch that accommodates instrument, line and even speaker level signals. Take even more control of your sound by utilizing the polarity invert switch to set the phase relationship between the direct and mic'd sound.

As a professional, you don't have time for interference, so we've included a ground lift switch to solve potential hum and buzz problems due to ground loops. And between the combined shielding of the cast metal chassis and the custom-wound transformer, you can be doubly assured of a clean signal free from interference. All of this sits atop a solid, stable footprint, that will keep the box from being dragged around the stage, and the unique contoured underside allows secure stacking of multiple units.

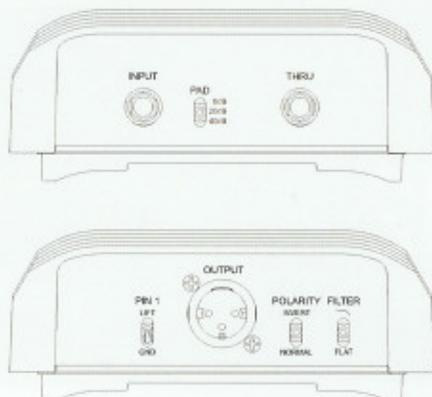
## Direct Box Features

- ▶ Premium Performance
- ▶ Rugged Design
- ▶ Stackable Chassis with Durable Rubber Foot
- ▶ Gold-plated Neutrik® XLR Connector
- ▶ Premium Chrome Toggle Switches
- ▶ Hi-Z ¼" Input Jack
- ▶ Parallel ¼" Thru Jack
- ▶ Transformer Isolated
- ▶ Premium Shielded Custom dbx Transformer
- ▶ Balanced XLR Lo-Z Output
- ▶ 3-Way 0/20/40 dB Pad Switch
- ▶ Flat/High-Cut Filter Switch
- ▶ Output Polarity Invert Switch
- ▶ Ground Lift Switch

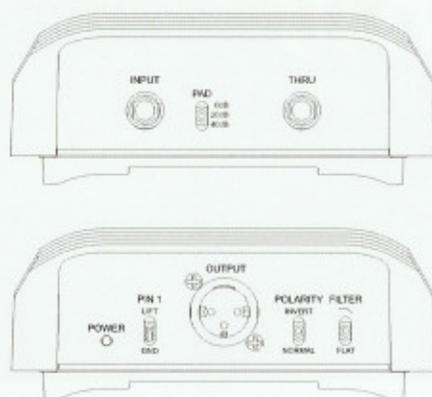
## Additional dB12 Features

- ▶ Phantom Powered
- ▶ Green LED Phantom Power Indicator
- ▶ 20 to 48V Operation
- ▶ Low-Noise Active Circuitry

## dB10 PASSIVE DIRECT BOX



## dB12 ACTIVE DIRECT BOX



### dB10 Specifications

#### INPUT SECTION:

Input: 1 instrument/line/speaker level  
 Connector: 1/4" jack  
 Type: Unbalanced, RF filtered  
 Impedance: 150k $\Omega$  typical  
 Max Input Level: +20dBu (0dB pad)  
 +40dBu (20dB pad)  
 +60dBu (40dB pad)

#### OUTPUT SECTION:

Thru Output: 1 parallel connection from input jack  
 Connector: 1/4" jack  
 Type: Unbalanced, RF filtered  
 Main Output: 1 line level  
 Connector: XLR male jack  
 Type: Balanced  
 Impedance: 150 $\Omega$  typical  
 Max Output Level: 0dBu

#### PERFORMANCE:

Transformer: Custom dbx mu-metal-shielded  
 Frequency Response: 20Hz to 20kHz, +/-2.5dB  
 Noise: <-105dBu unweighted, 22kHz BW  
 THD: < 0.01%, 20Hz to 20kHz  
 < 0.005%, 1kHz

#### GENERAL:

Dimensions: 5.82" L x 5.44" W x 2.20" H  
 (148 x 138 x 56 mm)  
 Weight: 1.4 lbs / 0.65 kg

### dB12 Specifications

#### INPUT SECTION:

Input: 1 instrument/line/speaker level  
 Connector: 1/4" jack  
 Type: Unbalanced, RF filtered  
 Impedance: 1M $\Omega$  (0dB pad)  
 47k $\Omega$  (20dB pad)  
 47k $\Omega$  (40dB pad)  
 Max Input Level: +10dBu (0dB pad)  
 +30dBu (20dB pad)  
 +50dBu (40dB pad)

#### OUTPUT SECTION:

Thru Output: 1 parallel connection from input jack  
 Connector: 1/4" jack  
 Type: Unbalanced, RF filtered  
 Main Output: 1 line level  
 Connector: XLR male jack  
 Type: Balanced  
 Impedance: 150 $\Omega$  typical  
 Max Output Level: +8dBu into 600 $\Omega$

#### PERFORMANCE:

Transformer: Custom dbx mu-metal-shielded  
 Frequency Response: 20Hz to 20kHz, +/-3dB  
 30Hz to 20kHz, +0/-1dB  
 Noise: <-105dB unweighted, 22kHz BW  
 THD: < 0.01%, 20Hz to 20kHz  
 < 0.005%, 1kHz, 0dBu output

#### GENERAL:

Current Drain Phantom: < 8mA  
 Phantom Power Range: +20 to +48 volts DC  
 Dimensions: 5.82" L x 5.44" W x 2.20" H (148 x 138 x 56 mm)  
 Weight: 1.4 lbs / 0.65 kg