

### Technical Specifications

Model: DI-33  
Frequency Response: 10Hz-40KHz  
Noise Level : 105dB  
THD+N@1KHz/0dB: <0.005%  
Inputs : XLR & 1/4" Jack unbalanced  
Link out :XLR balanced  
Output:XLR balanced  
Maximum Input Level: 0/+20/+40dB  
Power supply: 18V DC TO 48V DC  
Battery: 9V Battery  
Input Impedance: > 250K $\Omega$   
Load Impedance: >600  $\Omega$

Using a DI box eliminates the need for miking of the backline speakers, providing a clean feed to both console and amplification. The DI-33 has a parallel feed from the input connector so that the instrument may be simultaneously connected to the DI-33 and the amplifier. This means that no special splitter cables are needed.

The striking visual design of the DI-33 also has functional qualities. For example, cables can be run underneath to keep cable runs neat on stage, and all from one end of the unit. The moulded sides make stacking of multiple units easier, and help isolate the case of the DI-33 from the stage both electrically and mechanically.

### Input Connectors and switches

#### Input 1/4" Jack:

Unbalanced, Tip hot (+Signal), sleeve ground; Main input for instruments Impedance (Pad setting)  
1M $\Omega$  (0dB)  
47k $\Omega$  (20dB)

#### 3 - pin XLR Socket:

Unbalanced, parallel link with main 1/4" jack socket. Pin 2 hot, Pins 1 and 3 ground. Link 1/4" Jack: Output, parallel wired with main 1/4" input, or fed via a buffer amplifier from main input. Tip hot, Sleeve ground.

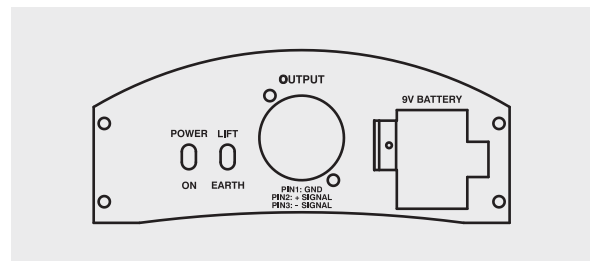
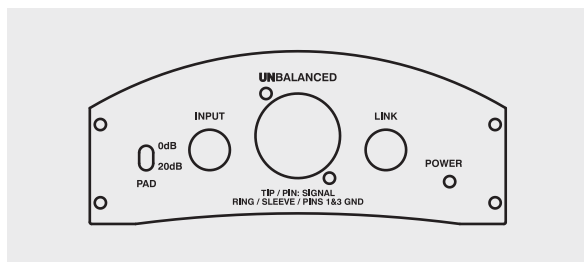
### Output Connector and switches

#### 3-pin XLR Output:

Balanced (via transformer)  
Pin 2 Hot (+Signal)  
Pin 3 Cold (-Signal)  
Pin 1 Ground

#### Ground Lift Switch:

By switching to the LIFT position, the internal connection to the output pin 1 is removed, isolating the DI-33's grounding system from that of the rest of the system.



## Functions and Facilities

### The Link Connector

The 1/4" LINK socket carries a parallel-wired direct feed from the input.

### The On/Off Switch

The On/Off switch is used for both phantom power and battery. To avoid battery drain when the unit is not in use, ensure that this switch is set to the upper OFF position when storing or packing the DI-33.

### Phantom Power

The DI-33 can work reliably on a wide range of phantom power voltages, although of course the typical supply provided by modern consoles is +48 volts. The DI-33 accepts supply voltages of +48 volts down to +20 volts without loss in performance.

While the DI-33 is receiving good phantom power, the power LED is lit continuously. Should the supply fail for any reason, the DI-33 will switch over automatically to run from the internal battery (as long as one is fitted!). Under these conditions, the power LED flashes approximately every 2 seconds. Installing a battery To install or replace the internal battery, first undo the knurled screw on the battery compartment - DO NOT undo the flush panel screws. The battery cover should now fold back towards the edge of the unit, revealing the compartment. Attach the flying lead battery terminals to your battery, and slide the battery into the compartment, with the connector towards the outside of the DI-33. For best reliability and long life, we recommend you use only high quality alkaline batteries in your DI-33.

### Cable Management

To keep cables tidy on stage and in the studio, both input and output cables can be arranged to run in the same direction by bringing one cable back under the DI-33.



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling. Ensure that plastic bags, packaging, etc. are properly disposed of. Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose of your old device with your normal household waste. Dispose of this product through an approved waste disposal firm or through your local waste facility. Comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.