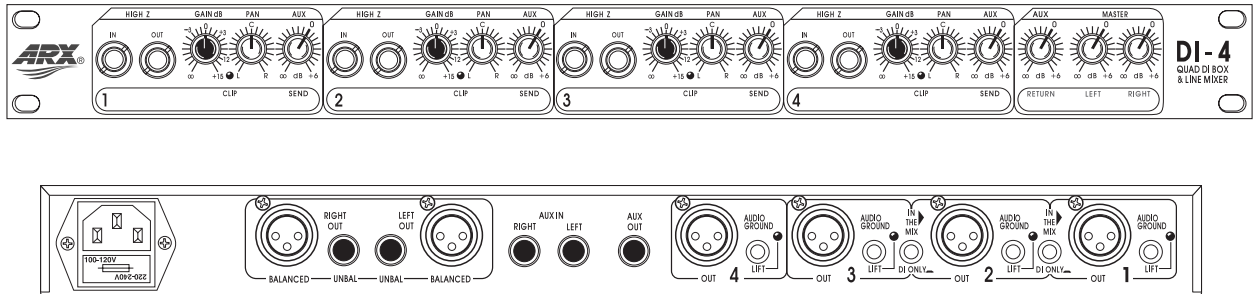


DI-4



QUAD DIRECT BOX AND STEREO LINE MIXER

WITH AUXILIARY SEND AND STEREO RETURN



ARX is proud to present another 'must have' product in its series of audio toolboxes. The new DI-4 is a winning combination of four Direct boxes, *and* a four channel stereo line mixer, with an Aux send and a stereo return.

Flexible

The DI-4 has been designed to handle all signal interfacing requirements, with unparalleled ease of use and specifications.

Set it up any way you want; as Four individual DI units, as a Four into Two line level mixer (at the same time!) or any combination of ins and outs that you need.

On the front panel, each channel has two high impedance jack connectors. The first is an input and the other is a looped high impedance output which can go to an instrument amplifier if required. There is also a channel Gain control, from infinity through to +15dB, enough Gain to drive the longest lines, plus a Pan control for mixer applications.

Aux Send

A handy feature on each channel is the Aux send, which can either drive an effect or be used to generate a separate mix.

The Left and Right Aux returns can

either return the effect into the mix, or bring a stereo tape or CD signal into the mix.

If you prefer to keep some signals as Direct only, that's no problem for the DI-4. On the rear panel, Channels 1 and 2 can be individually switched in or out of the mix as required.

The rear panel also has the Balanced XLR outputs for Channels 1 to 4, each with its own audio ground lift switch and status LED. The Aux send and Left and Right Aux returns are jack connectors.

The stereo master outputs are both Balanced XLR and unbalanced Jack connectors for maximum flexibility in operation.

Universal AC Power

AC power range is switchable 100 to 120V, or 220 to 240V, and is connected to the unit via a standard IEC connector, with built-in fuse and voltage switch.

In today's competitive audio environment, every piece of equipment has to earn its place in the rack. User friendly intuitive layout, plus precision engineering and superb specs make the ARX DI-4 a 'must have' unit for any sound system.

Features

- Four channel active direct box and stereo line mixer
- Gain and Pan controls
- Aux send control and stereo return
- Balanced XLR outputs (plus unbalanced Jacks on Masters)
- Individual audio Ground lift switches and status LEDs
- 'In the Mix' or 'DI only' switches on Channels 1 and 2
- Intuitive, 'user friendly' layout
- Flawless performance in any audio environment
- Security cover available

DI-4

Specifications

Channels 1-4

High Z Input Impedance

2.2 Meg Ohm

Max Channel Gain 15dB

Clip LED

Illuminates 1dB prior to clip

Direct Output Impedance

300 ohms Balanced

Max Input Level +20dB

Max Output Level +21dB

Signal to Noise

-96dB(unity gain)

Frequency Response

20Hz to 20KHz, ± 0.5 dB

Distortion

< 0.004%, 1KHz, +4dB

Output Connector 3 pin XLR

Left/Right Master

Output Impedance

300 Ohms Balanced

Max Output Level+21dB

Signal to Noise

-90dB (unity gain)

Frequency Response

10Hz to 20KHz, ± 0.5 dB

Distortion

< 0.004%, 1KHz, +4dB

Output Connector 3 pin XLR

Auxiliary

Aux Send configuration

Pre fade, post input gain

Max Output Gain +6dB

Output Impedance

150 Ohms unbalanced

Max Output Level +21dB

Aux In/Out Connector

Jack. Tip +, Sleeve Ground

Aux Return Type

Variable level into L/R busses, Left jack for mono return

Max Input Gain +6dB

Input Impedance 40 K Ohms

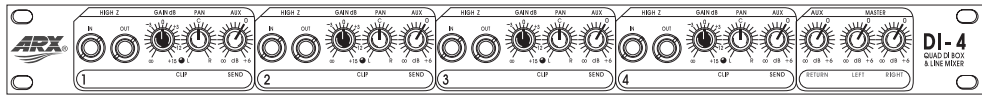
AC Power

100-120, 220-240 V AC, 8 VA

Size 19"W x 6"D x 1 3/4"H

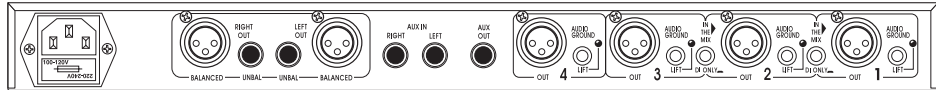
482 x 155 x 44mm

Weight 2.2 Kg (5 lbs)



FRONT PANEL

- High Impedance Input and Output loop jacks
- Gain, Pan and Aux send controls
- Clip LED
- Numbered marker panel for labelling
- channel assigns
- Aux return control
- Master Left and Right outputs
- AC power status LED



REAR PANEL

- Balanced XLR Outputs for Channels 1 to 4
- Audio Ground lift switches and status LEDs for Channels 1 to 4
- In the Mix or DI only switches for Channels 1 and 2
- Aux send and return connectors
- Master XLR and Jack outputs
- AC input connector, with voltage switch and fuse.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The signal processor shall be a four channel unit in a steel chassis six inches deep and one rack unit high. The unit shall be capable of operating concurrently in two modes: firstly, as four active Direct boxes, secondly, as a 4:2 Line Mixer.

Each channel shall have a High Impedance input plus an output loop jack, a level control from infinity through to +15dB, and an LED to indicate the onset of circuit overload. Each channel shall have a corresponding electronically balanced XLR output connector, with audio ground lift switch and status LED.

Each channel shall have a Pan control, and an Auxiliary send control that corresponds with an Auxiliary jack Output on the rear panel. The Maximum Output Gain on this Aux send shall be +6dB. The Auxiliary Left and Right returns shall be constant amplitude into the Left and Right busses, and have a Maximum Input gain of +6dB

On channels 1 to 4, the Hi Z input connector shall have an Input impedance of 2.2 MegOhms, and the input

headroom shall be +21dB. The frequency response (all channels and masters) shall be 20 Hz to 20 KHz, ± 0.4 dB. The Output impedance shall be 300 ohms balanced, and the maximum Output level shall be +21dB, with a Signal to Noise ratio at unity of -96dB unweighted). THD shall be .004% @ 0dB, 1 KHz, and the unit shall have a dynamic range of 107dB.

The Master section shall have an Output Signal/Noise ratio of -96db unweighted, with all inputs and master @ unity, an output level of +21dB, and THD of .004% at unity. The master section output connectors shall be both XLR and unbalanced jack.

Power shall be supplied via a removable mains cable, connecting to an IEC connector with an integral fuse and voltage change switch on the unit's rear panel.

The direct box/line mixer shall be the ARX DI-4.



Specifications available on disk and CD ROM



Our policy is one of continuous improvement, and therefore designs may change without notice. However, unless otherwise stated, specifications will always equal or exceed those previously given.



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