



DN1414

Multiple DI Module



The DN1414 multiple DI module provides 14 discrete channels of high quality direct-injection box in just 3 units of rack space. Engineered to the exacting standards for which Klark Teknik are famous, the DN1414 has many applications from live sound reinforcement to broadcast and studio recording.

- ⊗ Ten full-function channels with jack and XLR inputs, jack link and transformer balanced outputs.
- ⊗ Two dual channels with two jack inputs and transformer balanced outputs - fourteen individual DI channels in total.
- ⊗ -15dB attenuator, -30dB pad and earth lift switches on full-function channels.
- ⊗ Internal power supply with factory option of backup PSU.
- ⊗ Five year international factory warranty.

Miscellaneous

DN1414 Multiple DI Module

technical specification

ARCHITECT'S AND ENGINEER'S SPECIFICATION

The Multiple DI Module shall provide 14 discrete audio channels in a standard 3U 19" rack mount chassis, each channel providing galvanic isolation and impedance matching for a variety of input signals.

Each channel shall also provide separate -30 dB pad and -15 dB attenuation switches, and an earth lift function.

Each Multiple DI Module shall meet or exceed the following performance specifications:

Distortion < 0.01% (1kHz +4dB)
Frequency response +0 / -1.0dB (20Hz to 20kHz)

The DI Module shall have ten single audio channels and two dual audio channels. All channels shall have a 1/4" TRS jack input which is capable of accepting balanced or unbalanced inputs. The ten single audio channels shall have a female 3-pin XLR connector in parallel with the jack socket. In use the XLR input shall present a 20k ohm input impedance and the 1/4" jack socket a nominal 1M ohm input impedance.

The ten single channels shall also have an unbalanced link output on a 1/4" TS jack socket.

All outputs shall be transformer isolated and shall use 3-pin male XLR connectors.

The unit shall be capable of operating from a 90 to 250V, 50 to 60Hz AC power source.

The DI Module shall be the Klark Teknik model DN1414 and no alternative option is available.

Audio Inputs

Electronically balanced

Input impedance	1M Ω nominal (Unbalanced), 20k Ω (Balanced)
Max level	+ 21dBu with no input attenuation
Attenuation	- 15dB
Pad	- 30dB
Connectors	Parallel-connected 1/4" TRS jack sockets and 3-pin female XLRs.

Audio Outputs

Transformer isolated

Source impedance	50 Ω
Min Load	600 Ω (-3dB level loss into 200 Ω)
Max level	> + 21dBu @ 1kHz with load > 1k Ω
Connectors	3 pin male XLR

Link Output (Channels 1-10)

Source impedance	50 Ω
Min Load	600 Ω (-3dB level loss into 200 Ω)
Max level	> + 21dBu @ 1kHz with load > 1k Ω
Connectors	1/4" TS Mono Jack Socket

Performance

Noise	-100dBu between 20Hz and 20kHz unweighted
Frequency response	+/- 0.5dB, 20Hz to 20kHz
Distortion	<0.01% @ 1kHz, +4dBu output

Power Requirements

20 to 250V a.c @ 50/60Hz @ < 75 VA
3 pin IEC connector

Dimensions

Width	483 mm (19 inches)
Height	132 mm (5.2 inches)
Depth	300 mm (12 inches)

Weight

Nett	8kg
Shipping	9kg



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