



DN1248

Mic Splitter



The DN1248 active microphone splitter brings the legendary sound and reliability of Klark Teknik to this application for the first time. Housed in a rugged 3U rack enclosure, the DN1248 offers a cost and space-effective method of providing up to forty-eight outputs from twelve sources.

- ⊗ 12 audio channels, each with one input and four outputs. Each channel has two electronically balanced and two transformer balanced outputs. Future factory option for all outputs to be transformer balanced
- ⊗ Inter-unit linkable headphone bus with individual and multiple solo feature.
- ⊗ -15dB pad, +30dB boost, earth lift and phantom power switches on all channels.
- ⊗ Internal power supply with factory option of backup PSU.
- ⊗ Five year international factory warranty.

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DN1248 Mic Splitter

technical specification

ARCHITECT'S AND ENGINEER'S SPECIFICATION

The Mic Splitter shall provide 12 discrete audio channels in a standard 3U 19" rack mount chassis. Each channel shall have a microphone preamplifier, two transformer-isolated outputs, and two electronically balanced outputs with two paralleled connectors. Both transformer-isolated outputs and one electronically balanced output will be mounted on the front panel, the remaining electronically balanced output will be mounted on the back panel.

Each channel shall also provide separate +30dB boost and -15 dB pad switches, switchable +48V phantom power, an earth lift function and a soloing facility.

The Mic Splitter shall have a headphone amp to allow the monitoring of soloed audio channels. The headphone amplifier shall have a ¼-inch jack socket for the headphones, a rotary level control for the headphones output and a seven-segment LED bargraph for monitoring the soloed signal level.

Each Mic Splitter shall meet or exceed the following performance specifications:

Electronically Balanced Outputs

Distortion < 0.01% (1kHz @ +4dBu)
Frequency response +0/-0.5dB (20Hz to 20 kHz)

Transformer Balanced Outputs

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

The audio connections for each of the twelve audio channels shall be via 3-pin XLR style connectors one female connector for the input and four male connectors for the outputs.

The unit shall be capable of operating from a 90 to 250V, 50 to 60Hz AC power source. The unit should have the option of dual redundant power supplies.

The Mic Splitter shall be the Klark Teknik model DN1248 and no alternative option is available.



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Inputs

Input impedance > 2kΩ
CMRR > -100dB @ 100Hz to 10kHz
Equivalent input noise < -100dBu @ unity gain

Connectors 3 pin male XLR

Signal present level > -25dBu
Signal clip level > +21dBu

Outputs

Electronically balanced

Source impedance 50Ω
Min Load 600Ω
Max level +21dBu @ 1kHz
Connectors 3 pin female XLR

Transformer balanced & isolated

Source impedance 70Ω
Min Load 600Ω (-3dB level loss into 200Ω)
Max level +18dBu @ 1kHz
Connectors 3 pin female XLR

Performance

Electronically balanced

Frequency response +0 / -0.5dB 20Hz to 20kHz
Distortion < 0.01 % @ 1kHz +4dB

Transformer balanced & isolated

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

Power Requirements

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

Dimensions

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

Weight

Nett 7.4 kg
Shipping 8.4 kg

Trade Descriptions act: Due to the company policy of continuing improvement, we secure the right to alter these specifications without prior notice.