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FNB-2412

Broadcast Audio Distribution Amplifier News Bridge

Specifications:

- 24 electronically balanced outputs
- 23 individually selectable to mic or line level
- 12 unbalanced outputs (6 mini 1/8" and 6 RCA)
- Input: Selectable Mic (-56 dB) or Line (+4 dB) level
- Frequency Response : 20 to 20KHz +/- 1dB
- Signal to Noise : > -80 dB
- Input Impedance 10K ohms Transformer isolated
- Output impedance : 600 ohms electronically balanced
- Harmonic distortion at + 16 dBm : < 0.04%
- Electrical requirement : 117 Volts 60 Hz
- Internal EMI, transient surge and spike protection



SPECIFICATIONS:

The field news bridge is powered by 117vac mains, using a u-ground CSA power cord. Power input module protects against RFI and EMI. Input is 10 K ohms, +4 dBm balanced line level or -56 dBm mic level selectable, transformer isolated on an XLR-F connector. A loop out is available on an XLR-M connector for easy daisychain of several FNB-2412 for output expansion.

A ground lift switch on the input will disconnect the audio ground from the XLR-F input connector pin 1, to float the internal ground of the distribution amplifier input. This is a required tool for quick elimination of ground loops.

The news bridge feeds twenty-three electronically buffered outputs, on XLR-M connectors, at 600 ohms. Each output is either mic (-34dB) or line (+4dB) level selectable via a push alternate action switch.

A buffer amplifier completely isolates each output from each other. Each output can also be, optionally, transformer isolated.

The twenty-fourth transformer isolated output on an RJ11 telephone connector can be connected to a standard (POT) telephone line. This allows a feed to be sent via a standard bell line to distant listeners.

An 8 segment output level LED bar graph VU meter offers monitoring of the output level. The input signal is monitored by a three LED bar graph meter. A green input LED indicates when at least -20 dBu signal is present, an orange peak LED indicates +4 dBu (or 0 VU) and a red clip LED indicates a +20 dBu signal.

An input trim potentiometer is supplied with screwdriver access only for calibration purposes (Factory set for unity gain).



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