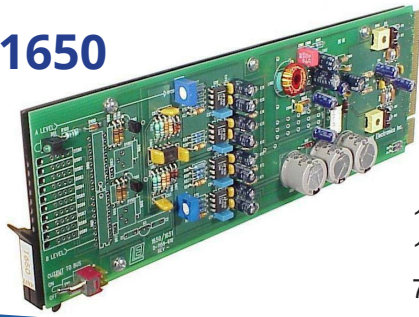


1650



1651



Mounting Frame Options

- 1000 - Single Power Supply, Holds 11 Modules
- 1000/2 - Dual Power Supply, Holds 10 Modules
- 7200 - Mounting Frame, Holds 1 Module

1650/1651

Analog Audio Distribution Amplifier



The DigiFlex 1650/1651 is a Stereo Audio Distribution Amplifier. The front end is high-impedance, balanced, with high common-mode rejection. The output amplifier is capable of driving low impedance (150Ω) loads and is compensated for load capacitance of up to 10,000pF. Its wide bandwidth (>120KHz) will allow for the distribution of SMPTE Time Code or BTSC Baseband Stereo.

Ultra low-noise components (including metal-oxide resistors) are used throughout the audio signal path. Both the input buffer and output driver offer noise figures of <math><7\text{nV}/\sqrt{\text{Hz}}</math>. In addition, extreme care has been taken in the printed circuit board design to reduce noise and improve channel isolation.

The 1650 and 1651 are identical with one exception: **the 1651 has logarithmic bar graph level meters for the left and right channel signal indication.**

The 1650/1651 has a unique signal presence indicator on the rear panel. The rear panel module with build-out resistors and fixed terminal blocks is the model 1014. Plug-in terminal blocks are available on the 1021 Rear Cell. The front panel features a DC power supply monitor LED.

The 1650/1651 is designed to reside in LINK's DigiFlex 1000 frame. This rugged 2RU frame can house up to 11 modules. An audio buss runs the full length of the frame to allow monitoring of any of the resident audio distribution amplifiers by a single monitoring amplifier, model 1626. A switch on the front of the module places the audio signal on the frame buss. The versatile DigiFlex 1000 frame can also accommodate AES/EBU Digital Audio distribution (using the DigiFlex 1652) as well as Analog and Digital Video distribution.

Exceptional Technical Support

The 1650/1651 is backed by the Link Electronics standard 10-year warranty and 24/7 free customer support. It meets the innovative, high performance, flexibility, and reliability requirements of all Link Electronics products.

Features

- Low Noise
 - Eight Mono Outputs or
 - Four Stereo Outputs
 - Signal Presence LED
- 11 Modules per Frame

- 100dB S/N Ratio
- A/B Buss Monitoring

- **1651:** Level Meters

1650/1651

Analog Audio Distribution Amplifier



Input:

Impedance: 20K Ohm, $\pm 2\%$ Balanced
Max. Level: 20 dBu, Differential
Common Mode Range: ± 10 Volts
Common Mode Rejection: < -85 dB @ 60Hz

Output:

Channels: 2
Number of Outputs per Channel: 4
Impedance: 66 Ohms
Max. Level: +18 dBu

Performance:

Gain Range: -90 to +9dB
S/N Ratio: -85dB
Frequency Response: ± 0.2 dB, 20Hz to 20KHz
Total Harmonic Distortion: $< 0.01\%$ +8dBu 0 Gain
..... Load = 4 X 150 Ω
Crosstalk: -90dB, 20Hz to 20KHz
Output Isolation: > 70 dB
DC Offset: < 10 mV
Quiescent Drain Current: ± 100 mA
Monitor Switch: Places signal on Frame Buss
Level Indication: Bar Graph (1651 only)
Temperature Range: 0 $^\circ$ to 50 $^\circ$ C

Internal Adjustments:

Audio Level: Resistive Trim
Common Mode Adjustment: Resistive Trim

Mechanical:

Height: 3.2"
Width: 1.0"
Length: 10.0"
Weight: 8.0oz



The manufacture reserves the right to change specifications without notice

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