

V1638, V1638TI & V1638TI10K

Analogue Audio DA.



FEATURES

- Balanced I/O up to +28dBu
- Configurable I/Os 2 to 4 / 1 to 8
- Up to 2 x 20, 1 x 40 outputs available
- Front panel monitoring jack
- Stereo to mono mode

The V1638 DA module provides distribution of either one or two balanced analogue audio channels. The unit is configurable for use as a dual 1 in / 4 out or single 1 in / 8 out (or dual 1 in / 8 out in Stereo to Mono mode) distribution amplifier by means of DIL switches on the module PCB. A single rear module type accommodates both configurations. Up to 2 x 20 / 1 x 40 outputs are available depending on the rear panel chosen.

3 versions of the V1638 are available. The standard V1638 has direct balanced inputs and outputs, while the V1638TI has transformer coupled inputs and direct balanced outputs. The V1638TI10K is the same as the V1638TI, but with high impedance inputs (10Kohm).

All are intended for local distribution applications up to +28dBu signal level. Coarse and fine gain adjustment is provided for both channels. Gain adjustment can be made in steps of 0.5dB. In addition all models have a first order lowpass filter on each input channel. The -3dB roll-off point may be set to 60kHz or 120kHz. The units also have fixed highpass filter action at 5 Hz to remove unwanted DC offsets that may be present in the source signals. LEDs on the front panel indicate LOW input (<-40dBu) or PEAK output (>28dBu) levels. All indicators have fast attack and 0.8sec hold characteristic.

Technical Specification

Analogue Audio Inputs (1/2)

Level 28dBu maximum
 Input Impedance 20k balanced (V1638)
 600 transformer balanced (V1638TI)
 10k transformer balanced (V1638TI10K)
 Connectors As output connectors

Analogue Audio Outputs

(Screw Terminals: 2 x 4 / 1 x 8; D Type: 2 x 5 / 1 x 10;
 DIN: 2 x 20 / 1 x 40)

Level 28dBu maximum into 10k
 Output Impedance 50 balanced
 Connectors As above

Monitoring Output (1)

Level -18dB relative to output (nominal)
 Connector 3.5mm Stereo Jack socket

Audio Characteristics

Frequency Response 20Hz - 20kHz (0.25dB)
 20Hz - 120kHz -3dB (filter out)
 20Hz - 60kHz -3dB (filter in)
 Distortion (S/THD+N) Max THD+N <-80dB
 (20Hz-20kHz, +22dBu i/p)
 Typ. THD+N <0.0025%
 (+22dBu @ 1kHz)
 Signal to Noise Ratio >116dB
 (SNR) (ref +28dBu, CCIR unwt'd, 20Hz-20kHz)

Gain Adjustment

Range -95.5dB to +31.5dB in 0.5dB steps
 Method Manual or DART
 Power-up

Local Front panel switch setting
 DART -95.5dB (mute)

Ordering Information

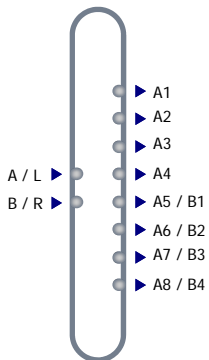
V1638	Analogue Audio DA
V1638TI	Analogue Audio DA with Transformer Input (600 impedance)
V1638TI10K	Analogue Audio DA with Transformer Input (10K impedance)

All Pro-Bel's quoted prices for interface modules include the supply of one suitable rear module. Please specify the type required when placing order:

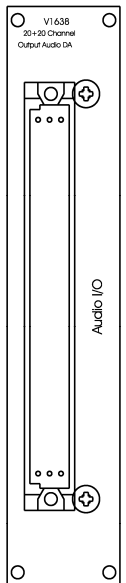
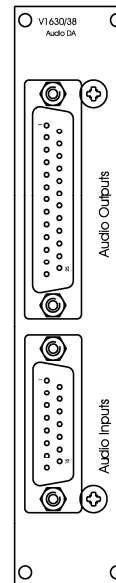
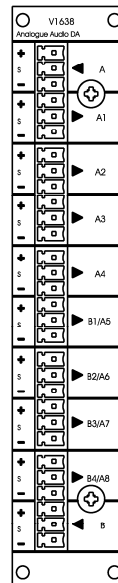
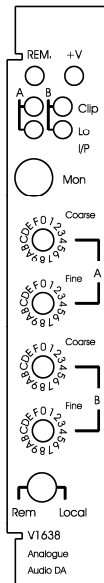
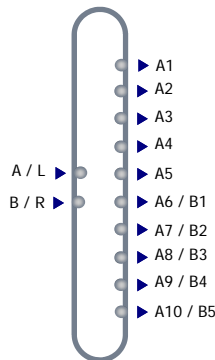
V16AR3E	3RU balanced
V16AR3T	3RU D Type
V16AR3AA	3RU DIN
V16AR1E	1RU balanced
V16AR1T	1RU D Type

Special versions of rear module are available on request.

V1638, /TI & /TI10K
 Analogue DA



V1638, /TI & /TI10K
 Analogue DA - D Type Rear



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