

DA1650

16-Channel Distribution Amplifier

JBL



Product Overview

Engineered to work with any JBL architectural loudspeaker to deliver a fantastic high-resolution audio experience throughout the home, the DA1650 provides 8 zones of audio in a compact 1U design, providing maximum performance while taking up minimal rack space. Further configurability is supported with bridging of its Class D stereo channels into even more powerful mono outputs when needed. Each zone can have an independent source or share an audio source across all zones using the global audio input. Expand zones sharing an audio source across multiple amplifiers using the global audio output.

Highlights

- Compact form factor in a single rack space, flat-stackable design
- Bridgeable outputs for high-power requirements
- Over-current and thermal protection prevent potential speaker damage
- Three power mode control options include 12V trigger, audio sensing inputs or always on
- Local and bus inputs, stereo/mono selection, and channel output level controls

Specifications

Connectivity and Control	
Analog audio input	16 x RCA (Single Ended)
Stereo analog global output (global input looped to global output)	2 x RCA (Single Ended)
Speaker output	Phoenix block connectors, accommodates up to 12AWG wire
12V trigger control	1 x 3.5mm (in) 1 x 3.5mm (out)
Power	Standard IEC
Global input select	8 x 2-position dip switches
Bridge/Mono select	8 x 2-position dip switches
Power Mode select	1 x 3-position switch – always on, 12V, auto sense
Power (1kHz, 20ms burst, 2 channels driven, 0.5% THD max)	
Rated Power (8Ω)	50W
Rated Power (4Ω)	110W
Rated Power (8Ω Bridged, one zone driven)	185W
Performance	
Frequency Response	20Hz-20kHz +/-0.5dB, at 1/8th power, all loads
THD+N (max), at rated power, 20-20kHz	<0.1%
Signal to noise ratio (min), A-weight, 20-20kHz, analog input, 8 Ω mode	>100dB
Crosstalk between any zones, at 1/8th power	-80dB
Minimum output impedance	2.7Ω
Analog input impedance	20kΩ
Signal sense, wake up level	1.75 mVrms
Max undistorted analog input signal	4.6 Vrms
Fan noise, maximum, 1/8 power	50dBA SPL @ 1 meter
Electrical	
Power supply	Universal Mains 100–240VAC 50-60Hz
Standby power consumption	Less than 0.5W
Physical	
Dimensions (H x W x D):	1.7" x 17.2" x 12.7" (43.7mm x 436.0mm x 323.0mm)
Dimensions inc. feet (H x W x D):	1.75" x 17.2" x 12.7" (44.5mm x 436.0mm x 323.0mm)
Net Weight:	4.5kg

Dimensions

