

DSM-16 PRODUCT SPECIFICATIONS

Description	16x16 DSP Matrix with Dante
Sampling Rate	48 kHz / 96 kHz
Frequency Response (A/D/A)	20 Hz – 20 kHz; ± 1.0 dB
Dynamic Range (A/D/A)	104 dB
Channel Separation (A/D/A)	< -75 dB @ 1 kHz
THD + Noise	< 0.01%
Delay Memory	883ms max
Analog Control Inputs	0-3.3 VDC
VCA Control	10k Ohm, Linear
Logic Outputs	(0V) Active Low; (12V) Active High
Logic Output Max. External Power Supply Voltage	25V DC
Logic Output Maximum Output Current	10 mA
Maximum Stored Presets	N/A
Line Level Inputs	12 Unbalanced RCA
Line Level Outputs	4 Unbalanced RCA
Balanced Inputs	8 hardwire with 3.81 mm connector
Balanced Outputs	4 hardwire with 3.81 mm connector
Optical Inputs	2
Coax Inputs	2
Dante Inputs	8
Dante Outputs	16
12V Trigger Inputs	1
12V Trigger Outputs	2
GPIO Ports for Logic I/O and Remote Volume Control	4 hardwire with 3.81 mm connector
Dedicated Dante & Control Port	1
Ethernet Port for Control & Config	1
Nominal Analog Input Level	2Vrms balanced, 1 Vrms unbalanced
Analog Input Maximum Level	4.5Vrms balanced, 2.5Vrms unbalanced
Analog Input Impedance	20K Ohms
Analog Input Dynamic Range	108 dB
Nominal Analog Output Level	2Vrms balanced, 1Vrms unbalanced
Analog Output Level Maximum	4Vrms balanced, 2Vrms unbalanced
Analog Output Impedance	100 Ohms balanced, 470 Ohms unbalanced
Analog Output Dynamic Range	108 dB
Width	17.25 in / 438.2 mm
Depth	9.25 in / 235.0 mm
Height	1.75 in / 44.5 mm (no feet) 2.0 in / 50.8mm (with feet)
Weight	7.15 lbs / 3.2kg
Shipping Weight	9.65 lbs / 4.4 kg



Description

The DSM-16 is a full featured system manager for Dante end point-end point distributed audio systems. It is part of the SoundTube Dante ecosystem and is designed to bridge the gap between conventional distributed audio systems and enterprise systems using powerful digital signal processing. It incorporates features needed for applications ranging from small installed systems to large sophisticated installations.

The DSM's embedded web server has three levels of control and setup. The installer UI allows full access to all the functionality of the DSM, the zone user level allows for source selection and volume control while the admin has access to all zone source selection and levels.

Product Features

- Full-featured web-browser setup UI
- Individual Zone UI
- Admin UI
- 16x16 System Manager Matrix with Dante
- Input Options:
 - › 8 Dante inputs
 - › 12 line level RCA inputs
 - › 8 line level balanced inputs
 - › 2 optical inputs
 - › 2 coax inputs
 - › 1 12V trigger input
- Output Options:
 - › 16 Dante outputs
 - › 4 balanced or 4 line level outputs
 - › 2 12V trigger outputs
- 4 GPIO ports for Logic I/O and remote volume control
- 2 dedicated Dante and Ethernet ports, one for control purposes and the other for accessing and configuring the Dante network, ensuring seamless connectivity
- Full-featured web-browser control software setup