

DSM-16 PRODUCT SPECIFICATIONS

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| 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