

PUBLIC ADDRESS, NUMERICAL MATRICES



Ami16

Part no. H11876 EAN 3662009029498

A high-capacity, ready-to-install rack-mount matrix.

- › 16×16 digital audio matrix
- › Integrated DSP
- › Dual ADI SHARC 21489 processors
- › 19" 1U rack-mount format — front-panel display and 8 configurable GPIOs



PRODUCT PAGE ONLINE

audiophony-pa.com/ami/ami16.html

Manuals, compatible accessories and updates — scan the code or click the address.

[User manual \(PDF\)](#)

Technical specifications

Processor	ADI SHARC 21489 (×2)
Analog inputs	16
Analog outputs	16
Sampling rate	48 kHz / 24 bits
Input gain	0 to 48 dB (in 3 dB steps)
Phantom power	48V (10 mA max.)
Frequency response	20 Hz - 20 kHz ±0.3 dB
Maximum input/output level	+18 dBu
THD	< 0.003% @ 4 dBu
Dynamic range (input/output)	110 dB / 112 dB
Background noise (A-weighted)	-91 dB
CMRR @ 60 Hz	80 dB
Channel isolation @ 1 kHz	108 dB
Input impedance	5.4 kΩ
Output impedance	600 Ω
System latency	< 3 ms
Audio Connectors	Balanced Euroblock
GPIO	8 configurable inputs/outputs
USB sound card	2 in / 2 out — 48K / 24-bit
Control protocols	RS232, RS485, UDP
Power Supply	AC 110-240 V, 50/60 Hz
Maximum power consumption	28 W

Format	19-inch 1U rack
Dimensions	482 × 260 × 45 mm
Weight	3 kg
Included accessories	CE power cord, Euroblock connectors, USB-A/USB-C cable

Overview

A high-capacity, ready-to-install rack-mount matrix.

The Ami16 is a 16×16 digital audio matrix in a 19" 1U rack-mount format, with built-in mounting brackets for immediate installation in a rack. Its 16 balanced inputs and 16 balanced outputs via Euroblock connectors, adjustable input gain up to 48 dB, and 48V phantom power allow you to connect microphones, line-level sources, and amplifiers without any adapters. The front-panel display shows the IP address, name, and VU meters for the inputs and outputs.

Exceptional processing power.

The Ami16 features two ADI SHARC 21489 processors working in tandem to handle even the most complex setups without ever faltering. The DSP is fully configurable via AmiControl: Automix, echo and ambient noise suppression, parametric and graphic equalizers, delay, gate, compressor, limiter—independent and precise processing on every input and output. 16 exportable presets for effortless multi-site deployment.

An interface tailored to your client's needs.

The installer can freely create the control interface for the end user using AmiControl (Windows), then manage it on a daily basis from Windows, Android, or iOS: custom design, logo, colors, and layout of faders and buttons. Access rights management precisely defines each user's access.

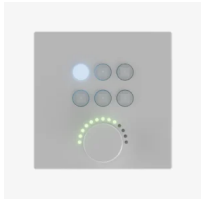
Connectivity, GPIO, and professional protocols.

Built-in USB 2-in/2-out sound card, 8 configurable GPIO pins for integrating automation systems and third-party equipment, RS232, RS485, and UDP control with command capture integrated into AmiControl.

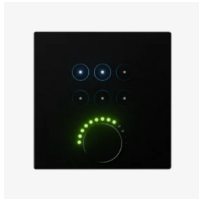
The Ami16D—the same matrix, with Dante added.

The Ami16D is the Dante version of the Ami16: same 16×16 analog I/O, same DSP features and AmiControl software, plus a standalone 16×16 Dante interface—16 additional digital audio channels via a single RJ45 cable.

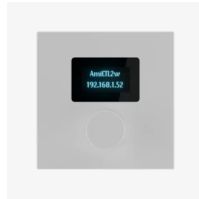
Compatible accessories



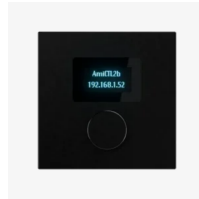
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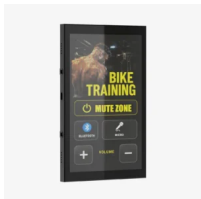
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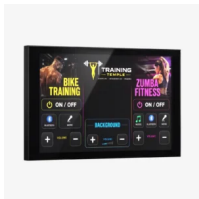
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AmiCTL2b
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Nexus5
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Nexus8
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Photo

