

PUBLIC ADDRESS, NUMERICAL MATRICES



Ami04

Part no. H11872 EAN 3662009029450

A compact, ready-to-install matrix.

- › 4×4 digital audio matrix
- › Integrated DSP
- › PoE power supply — 1U half-rack format with rack mounting brackets included



PRODUCT PAGE ONLINE

audiophony-pa.com/ami/ami04.html

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

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

Technical specifications

Processor	ADI SHARC 21489 (×1)
Analog inputs	4
Analog outputs	4
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 ±0.5 dB
Maximum input/output level	+18 dBu
THD	0.003% @ 1 kHz, +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
USB sound card	2 in / 2 out — 48K / 24-bit
Control protocols	RS232, RS485, UDP
Power	IEEE 802.3af PoE or 12V DC
Maximum power consumption	10 W
Form factor	1U half-rack

Dimensions	241 × 130 × 45 mm
Weight	1.1 kg
Included accessories	12V DC power supply, Euroblock connectors, 19" rack mounting bracket, USB-A/USB-C cable

Overview

A compact, ready-to-install matrix.

The Ami04 is a 4×4 digital audio matrix in a 1U half-rack format, shipped with rack mounting brackets for immediate integration into any rack or equipment cabinet. Its 4 balanced inputs and 4 balanced outputs on 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 additional adapters. Powered by PoE or 12V DC, it can be installed without the need for AC power cabling, even in the tightest spaces.

A powerful DSP for custom processing.

The Ami04 features an ADI SHARC 21489 processor and a DSP that is fully configurable via the AmiControl software. Ducker and Talk Over to manage priorities between sources, Expander and Gate to clean up the signal, compressor and AGC to control dynamics, ANC for echo and ambient noise suppression, anti-feedback, parametric and graphic equalizers, and delay up to 408 meters—each input and output receives independent and precise processing. The 16 exportable presets allow you to replicate an identical configuration across multiple locations in just a few seconds.

An interface tailored to your client.

Using AmiControl (Windows), the installer visually designs the control interface for end users on Windows, Android, and iOS: faders, buttons, and source selectors in a fully customizable graphical environment—client logo, background, and colors. User rights management precisely defines what each account has access to: volume ranges, fader groups, and visible functions.

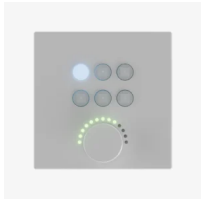
Professional Connectivity and Protocols.

All inputs and outputs are balanced via Euroblock connectors, ensuring a clean installation without the need for adapters. The built-in USB 2-in/2-out sound card (48K / 24-bit) allows for direct recording from the matrix. Control and integration of third-party equipment are supported via RS232, RS485, and UDP, with a command capture tool integrated into AmiControl.

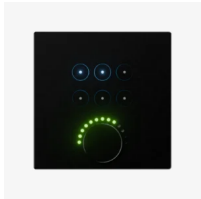
The Ami04D—the same matrix, with Dante added.

The Ami04D is the Dante version of the Ami04: same 4×4 analog connectivity, same DSP features and AmiControl software, plus a separate 4×4 Dante interface—4 additional digital audio channels via a single RJ45 cable.

Compatible accessories



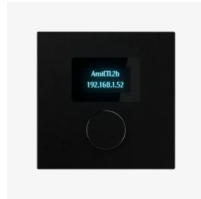
AmiCTL1w
H11878



AmiCTL1b
H11891



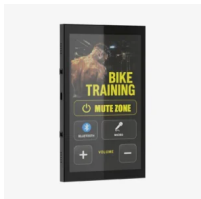
AmiCTL2w
H11879



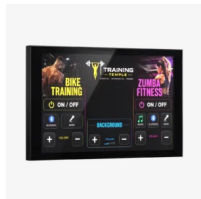
AmiCTL2b
H11892



Nexus4
H11888



Nexus5
H11889



Nexus8
H11890



PoE10-250
H11913

Photo

