



12-channel digitally controlled microphone preamplifier with Dante, ADAT & MADI

The RME 12Mic-D features twelve microphone and line level inputs with digital, no-compromise, studio-quality conversion; remote controllable gains; integrated MADI and Dante connectivity; plus a multitude of additional functionality, designed to make it the perfect companion for any professional recording setup. The 12Mic-D is sonically identical to the already existing 12Mic (128 AVB) and complements the M-Series lineup of professional network audio solutions.

The PAD-free microphone input stages have a 75 dB gain range and accept signals of up to +18 dBu. On the converter side, the 12Mic shines with an outstanding signal-to-noise ratio on all channels. All twelve front-facing XLR connections accept microphone and line level signals, whilst the first four connections also accept TRS connectors, with switchable high impedance (Hi-Z) for instruments.

Overview of the 12Mic-D most important features:

- All analog inputs +18 dBu, 75 dB gain
- Internal routing of up to 204 x 218 channels
- 19" enclosure 1 unit height
- outstanding signal-to-noise ratio on all channels
- 1,54" full color display with control knob and four buttons for convenient, direct access to features
- A web frontend offers convenient access to the device controls and its integrated routing matrix.
- Two fully redundant network ports can also be configured as switched mode
- Remote control via Dante and HTTP
- internal PSU, optional 12V DC redundant power supply
- DC-coupled outputs

Connectivity

- 8 x XLR Mic/Line
- 4 x XLR/TRS Mic/Inst/Line
- 1 x Phones Output
- 2 x MADI I/O (via optional available optical SFP and coaxial BNC, up to 128 Ch.)
- 2 x RJ45 for Dante network connectivity (up to 64 channels)
- Word Clock I/O (BNC)
- 3x ADAT out
- USB 2.0 (for remote control)

XLR In 1-12:

- Input: XLR, electronically balanced
- Input impedance: 3.4 kOhm
- Gain range: 75 dB, 1 dB steps
- Resolution AD: 24 bit
- Frequency response
 - @ 44.1 kHz, -0.1 dB: 8 Hz – 20.8 kHz
- Frequency response @ 96 kHz, -0.5 dB: 4 Hz – 29.2
- Frequency response @ 192 kHz, -1 dB: 3 Hz – 43.7
- THD @ 30 dB gain: < -110 dB, < 0.00032 %
- THD+N @ 30 dB gain: < -104 dB, < 0.00063 %
- Channel separation: > 110 dB
- Signal to Noise ratio (SNR): > 117 dB RMS unweighted, > 120 dB(A)
- Equivalent Input Noise (EIN), 30 dB Gain: 123 dB RMS unweighted, 125.5 dB(A) @ 150 Ohm
- Maximum input level, Gain 0 dB: +18 dBu
- Maximum input level, Gain 75 dB: -57 dBu

TRS In 1-4:

As above, but:

- Signal to Noise ratio (SNR): 115 dB RMS unweighted, 118 dBA
- TRS jack, balanced
- Gain range: 42 dB, 1 dB steps
- Maximum input level, Gain 8 dB: +20 dBu
- Maximum input level, Gain 50 dB: -22 dBu
- Switchable high impedance (unbalanced TS): 1 MOhm

Dante:

- 2 x RJ45 for Dante network connectivity (up to 64 channels)

MADI:

- Coaxial via BNC, 75 Ohm, according to AES10-1991
- Optical via optional SFP module
- 62.5/125 and 50/125 compatible
- Accepts 56 channel and 64 channel mode, plus 96k Frame
- Single Speed: up to 64 channels 24 bit 48 kHz
- Double Speed: up to 32 channels 24 bit 96 kHz
- Quad Speed: up to 16 channels 24 bit 192 kHz

Word Clock:

- 75 ohm Word Clock BNC connectivity
- Support full or single speed operation

ADAT:

- 3 x TOSLINK

Phones 1/2:

- Resolution: 24 Bit
- Noise (DR): 115 dB RMS unweighted, 118 dBA
- Frequency response @ 44.1 kHz, -0.5 dB: 9 Hz – 22 kHz
- Frequency response @ 96 kHz, -0.5 dB: 9 Hz – 45 kHz
- Frequency response @ 192 kHz, -1 dB: 8 Hz - 75 kHz
- THD+N: < -100 dB, < 0.001 %
- Channel separation: > 110 dB
- Output: 6.3 mm TRS stereo (unbalanced) or mono (balanced) jack
- Maximum output level at 0 dBFS: +13 dBu (unbalanced), +19 dBu (balanced)

Dante:

- 2 x RJ45 for Dante network connectivity (up to 64 channels)

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Word Clock:

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EAN:	42 6012336 341 3
Weight:	2.8 kg (6,2 lbs)
Dimensions:	(WxHxD): 440 x 44 x 243 mm (17.3 x 1.7 x 9.6 inches)
Package dimensions	(WxHxD): 560 x 315 x 115 mm (22,1" x 12.4" x 4.5")
Package Contents:	<ul style="list-style-type: none"> - 12Mic-D - two rack mount brackets - four screws for rack mount brackets - one power cord - one Cat5e network cable - printed manual

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