

INTEGRAL series



INTEGRAL-M48D

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988
Fuente del Jarro - Valencia - Spain - Tel. +34961340860
Updated (DD/MM/YYYY): 20/05/2026



KEY FEATURES

- 4 Inputs (Analog & AES3) x 8 Outputs, advanced 1U rack-mount DSP
- Remote & direct control via 1.54" OLED and ALMA™ software over IP
- 100+ global presets and 200+ output channel presets
- GPIO external control with 8 configurable pins
- 24-bit / 48 kHz converters, 118 dBA dynamic range
- Advanced EQ & filters, up to 48 dB/oct
- Maximum input / output level: +22 dBu

DESCRIPTION

The INTEGRAL-M48D, a 1U rack-mount digital signal processor, features four configurable input channels supporting analog and AES3 digital signals, along with eight analog output channels equipped with balanced XLR connectors. Its compact, cost-effective design makes it a versatile choice for live sound reinforcement and fixed installation systems.

Remote control and monitoring are available via ALMA™ software or ALMAweb using IP technology, or alternatively through external controllers via OSC messages. Direct unit control is provided by a 1.54" OLED display with control buttons for access to basic parameters, including input and output levels, preset recall, mute, source selection, and link manager functions.

The device houses a complete signal processing matrix, offering gain, delay, routing, equalization, and limiter adjustment options. Its internal memory can store over 100 global presets and over 200 output channel presets, including dedicated FIR presets developed for all DAS Audio sound systems.

External control is further simplified through a General-Purpose Input/Output (GPIO) connector, providing an external 3V3 voltage, GND, and eight configurable pins via ALMA™ software.

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SPECIFICATIONS

Electronics and Audio

Frequency Response	20 Hz-30 kHz (+0 -0.5 dB)
Max Input Level	+22 dBu
Max. Output Level	+22 dBu
Controls	Power On/Off, Navigation Buttons
Sampling Rate	48 kHz
Display	OLED 1.54"
Cooling	Side-Right-to-Left
LED Indicators	On, Comms, Signal, Limit

Power

AC Input Connector	IEC 15A
Power Supply	Universal Mains Switch Mode
Operating Range	90 - 250 VAC

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DSP

Analog Input Channels	4
AES3 Input Channels	4
Analog Output Channels	8
AD Converters	24 Bit @ 48 kHz 118 dBA Dynamic Range
DA Converters	24 Bit @ 48 kHz 118 dBA Dynamic Range
Internal Precision	32 Bit, 64 Bits Double Precision
Latency	1 ms
Delay	50ms per input / 135ms per output
Equalizer	Bell, Lo/Hi-Shelving, Hos
Crossover	Linkwitz-Riley, Butterworth, Bessel
High and Low Pass Filters	Up to 48 dB/oct
Limiters	RMS, Peak

Dimensions-Weight

Dimensions (H x W x D)	44 x 483 x 210 mm 1,7 x 19,0 x 8,2 in
Net Weight	2,6 kg (5,7 lb)

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Shipping

Carton Dimensions (H x W x D)	130 x 530 x 315 mm
	5,2 x 20,8 x 12,4 in
Shipping Weight	3,5 kg (7,7 lb)

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ORDERING INFORMATION

Model	Description	P/N
System		
INTEGRAL-M48D		15004762

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