

INTEGRAL series



INTEGRAL-M26X

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988
Fuente del Jarro - Valencia - Spain - Tel. +34961340860
Updated (DD/MM/YYYY): 10/10/2024



SOUND WITH SOUL

KEY FEATURES

- 2 Input x 6 Output, 1U Rack-Mount advanced DSP
- Remote & Direct Control: 1.54" OLED, ALMA™ software via IP.
- 100+ global presets: 200+ output channel presets.
- GPIO External Control with 8 configurable pins.
- 24 Bit @ 48 kHz Converters: 118 dBA Dynamic Range.
- Advanced EQ & Filters: Including up to 48 dB/oct settings.
- Maximum Input / Output level +21dBu

DESCRIPTION

The INTEGRAL-M26X, a 1U rack-mount digital signal processor, features two analogue input channels and six analogue output channels equipped with balanced XLR connectors. Its compact, cost-effective design makes it a versatile choice for live and installed PA systems.

Remote control and monitoring are possible via ALMA™ software using IP technology, or alternatively, it can be managed using external controllers through OSC messages. Direct unit control is facilitated through a 1.54" OLED display with control buttons for basic parameters. These include input and output levels, preset recalls, mute, source selection, and link manager functions.

The device houses a complete signal processing matrix, offering gain, delay, routing, equalization, and limiters adjustment options. Its internal memory can store over 100 global presets and 200+ output channel presets, including specific presets for all DAS Audio speakers.

External control is further simplified through a General-Purpose Input / Output (GPIO) connector, providing an external 3V3 volt, GND signal, and 8 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

DSP

Analog Input Channels	2
Analog Output Channels	6
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

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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

Dimensions-Weight

Dimensions (H x W x D)	44 x 483 x 210 mm 1,7 x 19,0 x 8,3 in
Net Weight	2,5 kg (5,5 lb)

Shipping

Carton Dimensions (H x W x D)	440 x 400 x 60 mm 17,3 x 15,7 x 2,4 in
Shipping Weight	4,0 kg (8,8 lb)

ORDERING INFORMATION

Model	Description	P/N
System		
INTEGRAL-M26X		10721215

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