

INTEGRAL series



INTEGRAL-MA1004

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988
Fuente del Jarro - Valencia - Spain - Tel. +34961340860
Updated (DD/MM/YYYY): 29/05/2026



KEY FEATURES

- 4 CH Matrix amplifier with high-performance integrated DSP
- 250 W per channel @ 4 ohms
- High Efficiency Class D topology
- Low Z and High Z (Bridged 70 V/100 V) operation
- 4 independent analog inputs
- 2 inputs with selectable MIC/Line option and phantom
- 4 x 4 CH DANTE Digital Audio
- ALMA management control and monitoring

DESCRIPTION

INTEGRAL-MA1004 is a 4CH (4x250W at 4ohm), 2U rack matrix-amplifier intended for permanent installation with integrated processing DSP (4 analog inputs, 8 analog outputs) and DANTE (4x4) digital Audio. Control, configuration and management of the amplifier shall be done via ALMA software over IP or using Open Sound Control (OSC) protocol. DANTE audio channels can be processed and injected back into the network if needed. The amplifier can be used with Lo Impedance lines or Hi Impedance 100V/70V lines.

Priority capabilities, full matrix and routing options make this unit essential as the "brain" of any type of installation. The internal memory resources allow to store more than 100 "global presets" and more than 200 "output channel presets" (speaker presets). A bank of output channel presets with specific processing parameters for all DAS Audio speakers is included allowing the users to configure each channel independently. For instance, it would be possible to recall for amp 1 the preset of Q-23T, for amp 2 the preset of Arco-4T, for amp 3 the preset of Q-10 etc.

The unit includes an OLED display (1.54") with control knobs for intuitive and easy navigation as well meters to monitor signal levels. Basic parameters can be accessible via front panel control knobs; input and output levels, global preset recall, output channel preset recall, mute, source selection, link manager functions, priority enabling etc.

Two of the analogue inputs can be switched to microphone with 12V Phantom power if needed.

The unit also Integrates an Ethernet Switch for daisy-chain connections. No external switch is needed.

WiFi and Bluetooth are available for direct wireless operation.

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SPECIFICATIONS

Output Power Ratings

| | |
|----------------------|-----------|
| Amplifier Channels | 4 |
| Power 8 Ohms | 4 x 125 W |
| Power 8 Ohms Bridged | 2 x 500 W |
| Power 4 Ohms | 4 x 250 W |
| Power 100 V | 2 x 500 W |
| Power 70 V | 2 x 500 W |

Electronics and Audio

| | |
|----------------------------|-----------------------------------------------------------|
| Amplifier Output Circuitry | Class D |
| Frequency Response | 20 Hz-30 kHz (+0 - 0.5 dB) |
| Input Sensitivity | +20 dBu |
| Max Input Level | +22 dBu |
| Voltage gain | 15.4 dB |
| Controls | Power On/Off, Navigation Knobs |
| Display | OLED 1.54" |
| Cooling | Side-Right-to-Left |
| Amplifier Protections | Short Circuit, DC Output, Temperature, Over/Under Voltage |
| LED Indicators | On, Comms, Signal, Protect |
| Sampling Rate | 48kHz |

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Connectors

| | |
|---------------------------------|---------------------------------|
| Analog Audio Input Connectors | 2 x 3.5 mm Pitch Terminal Block |
| Analog Audio Output Connectors | 2 x 3.5 mm Pitch Terminal Block |
| DANTE Digital In/Out Connectors | 2 x RJ45 Fast Ethernet |
| Speaker Output Connector | Terminal Block |

Power

| | |
|----------------------------|-----------------------------|
| AC Input Connector | IEC |
| Power Supply | Universal Mains Switch Mode |
| Operating Range | 90 - 250 VAC |
| Current Draw 230 V / 115 V | 1.75 A / 3.5 A |

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DSP

| | |
|---------------------------|------------------------------------------|
| Analog Input Channels | 4 |
| Analog Output Channels | 8 |
| DANTE Input Channels | 4 |
| DANTE Output Channels | 4 |
| 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 / 120ms per output |
| Equalizer | LCD |
| Crossover | Linkwitz-Riley, Butterworth, Bessel |
| High and Low Pass Filters | Up to 48 dB/oct |
| Limiters | RMS, Peak |
| Load Monitoring | Yes |

Dimensions-Weight

| | |
|--------------------------|------------------------------------------|
| Dimensions (H x W x D) | 88 x 483 x 208 mm 3,5 x 19,0 x 8,2 in |
| Net Weight | 3,7 kg (8,2 lb) |

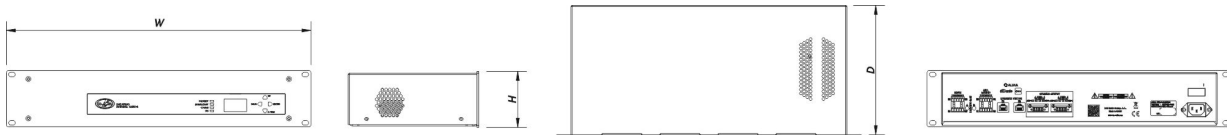
INTEGRAL-MA1004

Shipping

Carton Dimensions (H x W x D)
170 x 525 x 315 mm
6,7 x 20,7 x 12,4 in

Shipping Weight
4,5 kg (9,9 lb)

DIMENSIONS



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ORDERING INFORMATION

| Model | Description | P/N |
|--------------------------|-----------------|----------|
| System | | |
| INTEGRAL-MA1004 | | 10721150 |
| Replacement Parts | | |
| KIT-DSP-INTEGRAL-MA1004 | Replacement Dsp | 20407010 |
| S-A2 | Power Module | 20406643 |
| S-PRO2 | Amplifier | 20406649 |

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