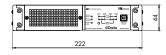
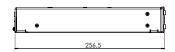
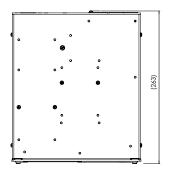


DIMENSIONS







MAIN FEATURES

- •4 channels digital amplifier for passive speakers
- Powerful DSP
- Compact half rack size
- Quick installation
- AURORA Net control
- Multiple configuration options
- •two Dante®networking ports

DESCRIPTION

IA504D is the new dBTechnologies professional amplifier for passive speakers with integrated Dante® interface for a remote in-depth control and configuration using AURORA NET software. The device is equipped with a powerful amplifier section, capable of handling up to 500 W (RMS power) in 4 channels and controlled by a DSP, which can perform a detailed customization of the output of the speakers. The mechanical design allows an easy, accurate and quick installation in half, 1U rack or flat surface thanks to the optional brackets. In addition, the user can load presets for dBTechnologies passive speakers using AURORA NET software to provide an excellent listening experience.

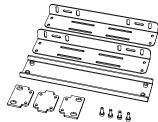
PACKAGE CONTENTS

The box contains:

- •n.1 IA504D amplifier
- •n.1 mains cable
- •n.3 Euroblock 3.81mm connectors
- •n.2 Euroblock 5.08mm connectors

This quick start and warranty documentation

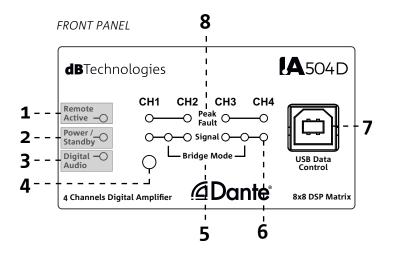
ACCESSORIES



RMK-1 rack and surface mount kit

SPECIFICATIONS

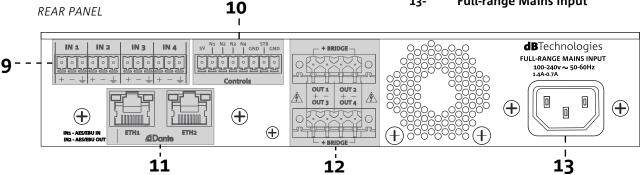
Amplifier Type4 channels digital amplifier - half rackFrequency Response [±0.5dB]20 - 20000 HzAmplifier Gain31 dBSignal to Noise Ratio>103 dB(A)Input Sensitivity+4 dBuCrosstalk100 dBMaximum Input Level+18 dBuInput Impedance20 kOhmAmplifierClass-DPower SupplyFull-range SMPSCoolingFan forced (front to back)Operating Range100-240V~ (50-60Hz)RMS Out Power single channel280 W @ 4 Ω, 245 W @ 8 Ω 135 W @ 16 Ω, 280 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100VPeak Power single channels70 W @ 4 Ω, 70 W @ 8 Ω 135 W @ 16 Ω, 140 W @ 8 Ω (bridge) 140 W @ 70V, 140 W @ 100VPeak Power 4 channels225 W @ 4 Ω, 180 W @ 8 Ω 125 W @ 16 Ω, 140 W @ 8 Ω (bridge) 125 W @ 16 Ω, 440 W @ 8 Ω (bridge)LimiterDual Active Peak, RMS, ThermalController32 bit DSPAD/DA Converter24 bit/48 kHzControlReset buttonSignal Input connectorEuroblock 3.81mmSignal Output connectorEuroblock 3.81mmSignal Output connectorEuroblock 5.08mmEthernet connectorsDante® ETH1/ETH2USB connectorUSB 8-type (for DATA CONTROL)Dimensions (WxHxD)222x44x256 mm (8.7x1.7x10.1 in)Weight1.82 Kg (4.01 lbs.)	3F LCII ICATIONS	
[±0.5dB]20-2000 H2Amplifier Gain31 dBSignal to Noise Ratio>103 dB(A)Input Sensitivity+4 dBuCrosstalk100 dBMaximum Input Level+18 dBuInput Impedance20 kOhmAmplifierClass-DPower SupplyFull-range SMPSCoolingFan forced (front to back)Operating Range100-240V~ (50-60Hz)RMS Out Power single channel280 W @ 4 Ω, 245 W @ 8 Ω250 W @ 70V, 240 W @ 100VPeak Power single channel425 W @ 4 Ω, 245 W @ 8 Ω,135 W @ 16 Ω, 619 W @ 8 Ω (bridge)270 W @ 4 Ω, 70 W @ 8 Ω,70 W @ 4 Ω, 70 W @ 8 Ω,70 W @ 16 Ω, 140 W @ 8 Ω (bridge),140 W @ 70V, 140 W @ 100VPeak Power 4 channels225 W @ 4 Ω, 180 W @ 8 Ω,LimiterDual Active Peak, RMS, ThermalController32 bit DSPAD/DA Converter24 bit/48 kHzControlReset buttonSignal Input connectorEuroblock 3.81mmSignal Output connectorEuroblock 5.08mmEthernet connectorsDante® ETH1/ETH2USB connectorUSB 8-type (for DATA CONTROL)Dimensions (WxHxD)222x44x256 mm (8.7x1.7x10.1 in)	Amplifier Type	4 channels digital amplifier - half rack
Signal to Noise Ratio >103 dB(A) Input Sensitivity +4 dBu Crosstalk 100 dB Maximum Input Level +18 dBu Input Impedance 20 kOhm Amplifier Class-D Power Supply Full-range SMPS Cooling Fan forced (front to back) Operating Range 100-240V~ (50-60Hz) RMS Out Power single channel 280 W @ 4 Ω, 245 W @ 8 Ω 135 W @ 16 Ω, 280 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100V Peak Power single channel 425 W @ 4 Ω, 245 W @ 8 Ω 135 W @ 16 Ω, 619 W @ 8 Ω (bridge) 135 W @ 16 Ω, 619 W @ 8 Ω (bridge) 140 W @ 70V, 140 W @ 8 Ω (bridge) 140 W @ 70V, 140 W @ 8 Ω (bridge) 125 W @ 4 Ω, 180 W @ 8 Ω (bridge) 125 W @ 16 Ω, 440 W @ 8 Ω (bridge) Limiter Dual Active Peak, RMS, Thermal Controller 32 bit DSP AD/DA Converter 24 bit/48 kHz Control Reset button Signal Input connector Euroblock 3.81mm Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL)		20 - 20000 Hz
Input Sensitivity +4 dBu Crosstalk 100 dB Maximum Input Level +18 dBu Input Impedance 20 kOhm Amplifier Class-D Power Supply Full-range SMPS Cooling Fan forced (front to back) Operating Range 100-240V~ (50-60Hz) RMS Out Power single channel 250 W @ 4 Ω, 245 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100V Peak Power single channel 135 W @ 16 Ω, 280 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100V RMS Out Power 4 channels 25 W @ 4 Ω, 70 W @ 8 Ω, 70 W @ 16 Ω, 140 W @ 8 Ω (bridge), 140 W @ 70V, 140 W @ 100V Peak Power 4 channels 225 W @ 4 Ω, 180 W @ 8 Ω, 125 W @ 16 Ω, 440 W @ 8 Ω (bridge) Limiter Dual Active Peak, RMS, Thermal Controller 32 bit DSP AD/DA Converter 24 bit/48 kHz Control Reset button Signal Input connector Euroblock 3.81mm Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 222x44x256 mm (8.7x1.7x10.1 in)	Amplifier Gain	31 dB
Crosstalk100 dBMaximum Input Level+18 dBuInput Impedance20 kOhmAmplifierClass-DPower SupplyFull-range SMPSCoolingFan forced (front to back)Operating Range100-240V~ (50-60Hz)RMS Out Power single channel280 W @ 4 Ω, 245 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100VPeak Power single channel425 W @ 4 Ω, 245 W @ 8 Ω (bridge) 35 W @ 16 Ω, 619 W @ 8 Ω (bridge)RMS Out Power 4 channels70 W @ 4 Ω, 70 W @ 8 Ω (bridge), 140 W @ 70V, 140 W @ 100VPeak Power 4 channels225 W @ 4 Ω, 180 W @ 8 Ω (bridge)LimiterDual Active Peak, RMS, ThermalController32 bit DSPAD/DA Converter24 bit/48 kHzControlReset buttonSignal Input connectorEuroblock 3.81mmSignal Output connectorEuroblock 5.08mmEthernet connectorsDante® ETH1/ETH2USB connectorUSB B-type (for DATA CONTROL)Dimensions (WxHxD)222x44x256 mm (8.7x1.7x10.1 in)	Signal to Noise Ratio	>103 dB(A)
Maximum Input Level+18 dBuInput Impedance20 kOhmAmplifierClass-DPower SupplyFull-range SMPSCoolingFan forced (front to back)Operating Range100-240V~ (50-60Hz)RMS Out Power single channel280 W @ 4 Ω, 245 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100VPeak Power single channel425 W @ 4 Ω, 245 W @ 8 Ω, (bridge)RMS Out Power 4 channel70 W @ 4 Ω, 70 W @ 8 Ω, (bridge)RMS Out Power 4 channels70 W @ 16 Ω, 140 W @ 8 Ω (bridge), 140 W @ 70V, 140 W @ 100VPeak Power 4 channels225 W @ 4 Ω, 180 W @ 8 Ω, 125 W @ 16 Ω, 440 W @ 8 Ω (bridge)LimiterDual Active Peak, RMS, ThermalController32 bit DSPAD/DA Converter24 bit/48 kHzControlReset buttonSignal Input connectorEuroblock 3.81mmSignal Output connectorEuroblock 5.08mmEthernet connectorsDante® ETH1/ETH2USB connectorUSB B-type (for DATA CONTROL)Dimensions (WxHxD)222x44x256 mm (8.7x1.7x10.1 in)	Input Sensitivity	+4 dBu
Input Impedance Amplifier Class-D Power Supply Full-range SMPS Cooling Fan forced (front to back) Operating Range 100-240V~ (50-60Hz) RMS Out Power single channel Peak Power single channel RMS Out Power single channel 70 W @ 4 Ω, 245 W @ 8 Ω, 135 W @ 16 Ω, 280 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100V Peak Power single channel 70 W @ 4 Ω, 70 W @ 8 Ω, 70 W @ 8 Ω, 70 W @ 16 Ω, 140 W @ 8 Ω (bridge) RMS Out Power 4 channels 225 W @ 4 Ω, 180 W @ 8 Ω (bridge), 140 W @ 70V, 140 W @ 100V Peak Power 4 channels 225 W @ 4 Ω, 180 W @ 8 Ω (bridge) Limiter Dual Active Peak, RMS, Thermal Controller 32 bit DSP AD/DA Converter 24 bit/48 kHz Control Reset button Signal Input connector Euroblock 3.81mm Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 2222x44x256 mm (8.7x1.7x10.1 in)	Crosstalk	100 dB
Amplifier Class-D Power Supply Full-range SMPS Cooling Fan forced (front to back) Operating Range 100-240V~ (50-60Hz) RMS Out Power single channel 280 W @ 4 Ω, 245 W @ 8 Ω 135 W @ 16 Ω, 280 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100V Peak Power single channel 70 W @ 4 Ω, 245 W @ 8 Ω, 135 W @ 16 Ω, 619 W @ 8 Ω (bridge) RMS Out Power 4 channels 70 W @ 4 Ω, 70 W @ 8 Ω, 70 W @ 16 Ω, 140 W @ 8 Ω (bridge), 140 W @ 70V, 140 W @ 100V Peak Power 4 channels 225 W @ 4 Ω, 180 W @ 8 Ω, 125 W @ 16 Ω, 440 W @ 8 Ω (bridge) Limiter Dual Active Peak, RMS, Thermal Controller 32 bit DSP AD/DA Converter 24 bit/48 kHz Control Reset button Signal Input connector Euroblock 3.81mm Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 2222x44x256 mm (8.7x1.7x10.1 in)	Maximum Input Level	+18 dBu
Power SupplyFull-range SMPSCoolingFan forced (front to back)Operating Range100-240V~ (50-60Hz)RMS Out Power single channel280 W @ 4 Ω, 245 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100VPeak Power single channel425 W @ 4 Ω, 245 W @ 8 Ω, 135 W @ 16 Ω, 619 W @ 8 Ω (bridge)RMS Out Power 4 channels70 W @ 4 Ω, 70 W @ 8 Ω, 70 W @ 100VPeak Power 4 channels225 W @ 4 Ω, 180 W @ 8 Ω (bridge), 140 W @ 70V, 140 W @ 100VPeak Power 4 channels225 W @ 4 Ω, 180 W @ 8 Ω, 125 W @ 16 Ω, 440 W @ 8 Ω (bridge)LimiterDual Active Peak, RMS, ThermalController32 bit DSPAD/DA Converter24 bit/48 kHzControlReset buttonSignal Input connectorEuroblock 3.81mmSignal Output connectorEuroblock 5.08mmEthernet connectorsDante® ETH1/ETH2USB connectorUSB B-type (for DATA CONTROL)Dimensions (WxHxD)222x44x256 mm (8.7x1.7x10.1 in)	Input Impedance	20 kOhm
Cooling Fan forced (front to back) Operating Range 100-240V~ (50-60Hz) RMS Out Power single channel 280 W @ 4 Ω, 245 W @ 8 Ω 135 W @ 16 Ω, 280 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100V Peak Power single channel 70 W @ 4 Ω, 70 W @ 8 Ω, 70 W @ 16 Ω, 140 W @ 8 Ω (bridge) 135 W @ 16 Ω, 140 W @ 8 Ω (bridge) 140 W @ 70V, 140 W @ 100V Peak Power 4 channels 225 W @ 4 Ω, 180 W @ 8 Ω, 125 W @ 16 Ω, 440 W @ 8 Ω (bridge) Limiter Dual Active Peak, RMS, Thermal Controller 32 bit DSP AD/DA Converter 24 bit/48 kHz Control Reset button Signal Input connector Euroblock 3.81mm Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 2222x44x256 mm (8.7x1.7x10.1 in)	Amplifier	Class-D
Operating Range 100-240V~ (50-60Hz) RMS Out Power single channel 280 W @ 4 Ω, 245 W @ 8 Ω 135 W @ 16 Ω, 280 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100V Peak Power single channel 70 W @ 4 Ω, 70 W @ 8 Ω, 70 W @ 8 Ω, 70 W @ 16 Ω, 140 W @ 8 Ω (bridge) 140 W @ 70V, 140 W @ 100V Peak Power 4 channels 225 W @ 4 Ω, 180 W @ 8 Ω, 125 W @ 16 Ω, 440 W @ 8 Ω (bridge) Limiter Dual Active Peak, RMS, Thermal Controller 32 bit DSP AD/DA Converter 24 bit/48 kHz Control Reset button Signal Input connector Euroblock 3.81mm Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 280 W @ 4 Ω, 245 W @ 8 Ω, 10 (bridge) 225 W @ 4 Ω, 180 W @ 8 Ω, 10 (bridge) 226 W @ 4 Ω, 180 W @ 8 Ω, 10 (bridge) 226 W @ 4 Ω, 180 W @ 8 Ω, 10 (bridge) 226 W @ 4 Ω, 180 W @ 8 Ω, 10 (bridge) 226 W @ 4 Ω, 180 W @ 8 Ω, 10 (bridge) 226 W @ 4 Ω, 180 W @ 8 Ω, 10 (bridge) 226 W @ 4 Ω, 180 W @ 8 Ω, 10 (bridge) 226 W @ 4 Ω, 180 W @ 8 Ω, 10 (bridge) 250 W @ 6 Ω, 10 (bridge) 250 W @ 6 Ω, 10 (bridge) 250 W @ 6 Ω, 10 (bridge) 250	Power Supply	Full-range SMPS
RMS Out Power single channel 280 W @ 4 Ω, 245 W @ 8 Ω 135 W @ 16 Ω, 280 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100V Peak Power single channel RMS Out Power 4 channels Peak Power 4 channels 225 W @ 4 Ω, 70 W @ 8 Ω, 70 W @ 8 Ω, 70 W @ 16 Ω, 140 W @ 8 Ω (bridge), 140 W @ 70V, 140 W @ 100V Peak Power 4 channels 225 W @ 4 Ω, 180 W @ 8 Ω, 125 W @ 16 Ω, 440 W @ 8 Ω (bridge) Limiter Dual Active Peak, RMS, Thermal Controller 32 bit DSP AD/DA Converter 24 bit/48 kHz Control Reset button Signal Input connector Euroblock 3.81mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 222x44x256 mm (8.7x1.7x10.1 in)	Cooling	Fan forced (front to back)
RMS Out Power single channel135 W @ 16 Ω, 280 W @ 8 Ω (bridge) 250 W @ 70V, 240 W @ 100VPeak Power single channel425 W @ 4 Ω, 245 W @ 8 Ω, 135 W @ 16 Ω, 619 W @ 8 Ω (bridge)RMS Out Power 4 channels70 W @ 4 Ω, 70 W @ 8 Ω, 70 W @ 16 Ω, 140 W @ 8 Ω (bridge), 140 W @ 70V, 140 W @ 100VPeak Power 4 channels225 W @ 4 Ω, 180 W @ 8 Ω, 125 W @ 16 Ω, 440 W @ 8 Ω (bridge)LimiterDual Active Peak, RMS, ThermalController32 bit DSPAD/DA Converter24 bit/48 kHzControlReset buttonSignal Input connectorEuroblock 3.81mmSignal Output connectorEuroblock 5.08mmEthernet connectorsDante® ETH1/ETH2USB connectorUSB B-type (for DATA CONTROL)Dimensions (WxHxD)222x44x256 mm (8.7x1.7x10.1 in)	Operating Range	100-240V~ (50-60Hz)
channel135 W @ 16 Ω, 619 W @ 8 Ω (bridge)RMS Out Power 4 channels70 W @ 4 Ω, 70 W @ 8 Ω, 70 W @ 16 Ω, 140 W @ 8 Ω (bridge), 140 W @ 70V, 140 W @ 100VPeak Power 4 channels225 W @ 4 Ω, 180 W @ 8 Ω, 125 W @ 16 Ω, 440 W @ 8 Ω (bridge)LimiterDual Active Peak, RMS, ThermalController32 bit DSPAD/DA Converter24 bit/48 kHzControlReset buttonSignal Input connectorEuroblock 3.81mmSignal Output connectorEuroblock 5.08mmEthernet connectorsDante® ETH1/ETH2USB connectorUSB B-type (for DATA CONTROL)Dimensions (WxHxD)2222x44x256 mm (8.7x1.7x10.1 in)		135 W @ 16 Ω, 280 W @ 8 Ω (bridge)
Ams Out Power 4 channels70 W @ 16 Ω, 140 W @ 8 Ω (bridge), 140 W @ 70V, 140 W @ 100VPeak Power 4 channels225 W @ 4 Ω, 180 W @ 8 Ω, 125 W @ 16 Ω, 440 W @ 8 Ω (bridge)LimiterDual Active Peak, RMS, ThermalController32 bit DSPAD/DA Converter24 bit/48 kHzControlReset buttonSignal Input connectorEuroblock 3.81mmSignal Output connectorEuroblock 5.08mmEthernet connectorsDante® ETH1/ETH2USB connectorUSB B-type (for DATA CONTROL)Dimensions (WxHxD)222x44x256 mm (8.7x1.7x10.1 in)	_	
Limiter Dual Active Peak, RMS, Thermal Controller 32 bit DSP AD/DA Converter 24 bit/48 kHz Control Reset button Signal Input connector Euroblock 3.81mm Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 222x44x256 mm (8.7x1.7x10.1 in)		70 W @ 16 Ω, 140 W @ 8 Ω (bridge),
Controller 32 bit DSP AD/DA Converter 24 bit/48 kHz Control Reset button Signal Input connector Euroblock 3.81mm Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 222x44x256 mm (8.7x1.7x10.1 in)	Peak Power 4 channels	
AD/DA Converter 24 bit/48 kHz Control Reset button Signal Input connector Euroblock 3.81mm Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 222x44x256 mm (8.7x1.7x10.1 in)	Limiter	Dual Active Peak, RMS, Thermal
Control Reset button Signal Input connector Euroblock 3.81mm Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 222x44x256 mm (8.7x1.7x10.1 in)	Controller	32 bit DSP
Signal Input connector Euroblock 3.81mm Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 222x44x256 mm (8.7x1.7x10.1 in)	AD/DA Converter	24 bit/48 kHz
Signal Output connector Euroblock 5.08mm Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 222x44x256 mm (8.7x1.7x10.1 in)	Control	Reset button
Ethernet connectors Dante® ETH1/ETH2 USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 222x44x256 mm (8.7x1.7x10.1 in)	Signal Input connector	Euroblock 3.81mm
USB connector USB B-type (for DATA CONTROL) Dimensions (WxHxD) 222x44x256 mm (8.7x1.7x10.1 in)	Signal Output connector	Euroblock 5.08mm
Dimensions (WxHxD) 222x44x256 mm (8.7x1.7x10.1 in)	Ethernet connectors	Dante® ETH1/ETH2
(8.7x1.7x10.1 in)	USB connector	USB B-type (for DATA CONTROL)
Weight 1.82 Kg (4.01 lbs.)	Dimensions (WxHxD)	l
	Weight	1.82 Kg (4.01 lbs.)



I/O AND CONTROL PANEL

The amplifier is controlled by a powerful DSP. All the connections, except USB Data control, are in the rear amplifier control panel.

- **Remote Active LED**
- Power/Standby LED 2-
- **Digital Audio LED** 3-
- Reset button 4-
- 5-**Bridge Mode LED**
- 6-Signal LED
- 7-**USB Data Control**
- 8-**Peak Fault LED**
- Analog/digital audio Inputs 9-
- **GPIO/Standby ports** 10-
- Ethernet RJ45 ports 11-
- 12-**Power Outputs**
- **Full-range Mains Input** 13-



POWER SUPPLY SPECIFICATIONS (POWER ABSORPTION)

Draw at 1/8 of full power in average use conditions (*): 0.36 A (220-240V~) - 0.66 A (100-120V~)

Draw at 1/3 of full power in average use conditions (**): 0.7 A (220-240V~) - 1.4 A (100-120V~)

Power absorption with speaker turned on without signal (idle): 0,16 A (220-240V~) - 0.25 A (100-120V~)

*INSTALLER NOTES: The values refer to 1/8 of full power, in average operating conditions (music program with infrequent or no clipping). It is recommended to consider them the minimum sizing values, for any type of configuration.

**INSTALLER NOTES: The values refer to 1/3 of full power, in heavy operating conditions (music program with frequent clipping or activation of the limiter. We recommend sizing according to these values in case of professional installations and tours.

INPUT SETTINGS

Balanced analog signal

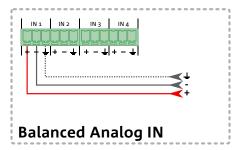
Connect the positive and negative pole, and the ground of the input signal to the corresponding input on the amplifier.

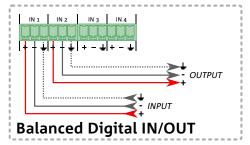
Balanced digital signal

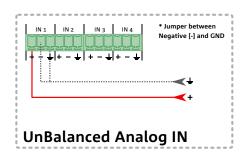
IN1 and IN2 can be set as AES/EBU digital I/O; open AURORA NET software and set IN1 and IN2 as digital sources then connect the positive and negative pole, and the ground. More details in AURORA NET SETTINGS chapter.

Unbalanced analog signal

Connect the positive pole and the ground of the input signal to the corresponding input on the amplifier.



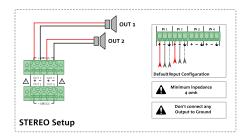




OUTPUT SETTINGS

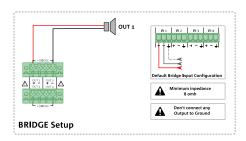
Stereo setup

Connecting a pair of speakers in stereo mode. Recall the correct setup from the software AURORA NET in the Setup => Output section. The minimum impedance must be 4 Ohms.



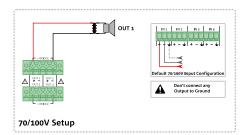
Bridge setup

Connecting a speaker in bridge mode. Recall the correct setup from the software AURORA NET in the Setup => Output section. The minimum impedance must be 8 Ohms.



70/100V setup

Connecting speakers in 70/100V mode. Recall the correct setup from the software AURORA NET in the Setup => Output section.



AURORA NET SETTINGS

For a quick setup connect a PC/Mac to the amplifier using a USB cable, download and open AURORA NET software* and click on Setup section (Fig.1) and then on Configure button. From the Output Settings page that will open up (Fig.2), the user can adjust the output mode between different choices. Click on the Load button to load presets for dBTechnologies passive speakers (Fig.3).

To set the input 1-2 as AES/EBU digital I/O click on the button INPUT 1-2 ANALOG.

*please be sure to download the latest version of the software. Check it on www.dbtechnologies.com



Fig.1

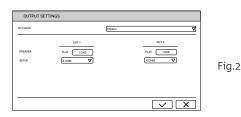
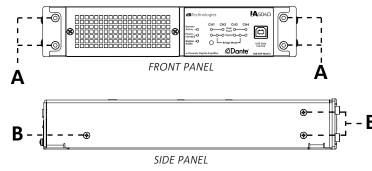
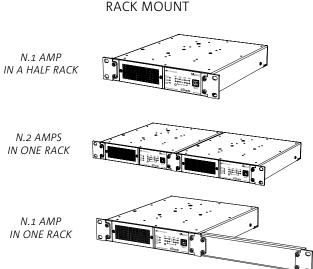


Fig.3

INSTALLATION

IA504D can be installed in different configurations. For a quick installation, on the front of the amplifier (**A**) the user can find mechanical fixing point for rack mounting. On each side (**B**) of the amplifier the user can find mechanical fixing point for wall/flat surface mounting.





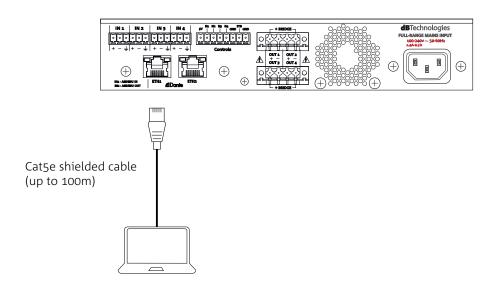
SURFACE MOUNT



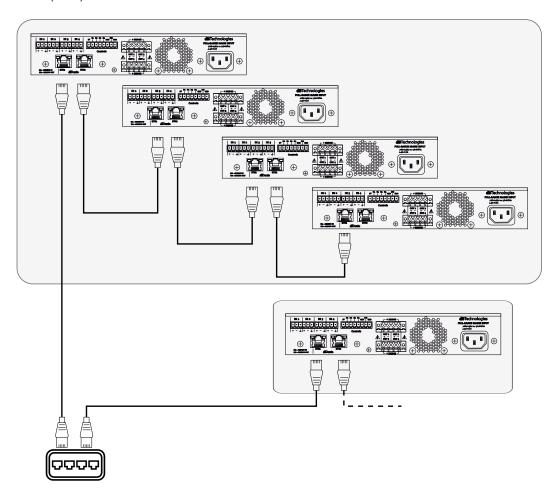


NETWORK SETUP

Connect your dBTechnologies Dante[™] device, PC or Mac running Dante[™] Controller and AuroraNet over an Ethernet network using at least CAT5e shielded cables up to 100m (for longer distances an optical fiber interface is required).



Using a network switch allows to connect up to 4 dBTechnologies devices in daisy chain configuration for each port; use more network switches to connect multiple devices. Please use a good quality Gigabit switch that supports Diffserv (DSCP) and quality of service (QOS). For more information refer to Audinate website.



In case any specific network configurations or preferences have to be made (e.g. fixed IP address), these settings have to be adjusted through the Dante controller software tool.

IMPORTANT NOTES AND WARNINGS

EMI CLASSIFICATION

According to the standards EN 55032 and 55035 this is a class B equipment, designed and suitable to operate in residential environments.

FCC CLASS B STATEMENT ACCORDING TO TITLE 47, PART 15, SUBPART B, §15.105

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



WARNINGS!

Make sure that the device is securely installed in a stable position to avoid any injuries or damages to persons or properties. Before installing the device check all the components for damages, deformations, missing or damaged parts that may compromise safety during installation. Follow the instructions contained in this quick start user manual and on the complete user manual to properly install the device. It's suggested to keep enough distance from other devices to allow the right cooling.

The warnings in this manual must be observed in conjunction with the "USER MANUAL - Section 2".

Features, specification and appearance of products are subject to change without notice. dBTechnologies reserves the right to make changes or improvements in design or manufacturing without assuming any obligation to change or improve products previously manufactured.

The external wiring connected to speaker output terminals requires installation by qualified personnel only. Once the equipment is installed, prevent access to the connectors to unqualified personnel. Only use the accessories and configurations described in this manual, and proceed in accordance with the instructions given in the manuals for the accessories.

Only use the power cable provided.

The USB SERVICE DATA connection is to be used exclusively for updating the product's firmware; do not connect any other USB device to the unit to avoid the risk of damage and malfunction.

Check periodically the integrity and the functionality of the accessories and the technical equipments for a safe installation. User should never apply a load that exceeds the working load limits of any rigging components or equipment here presented. Design, calculation, installation, testing and maintanance of suspension and stack systems for audio equipment must be performed only by qualified and authorized personnel. AEB Industriale s.r.l. denies any and all responsibility for improper installations, in the absence of safety requirements.

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Scan with your QR Reader App to download the complete User Manual.



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