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dBTechnologies

dBTechnologies Control24A Amplifier



Specifications

Type	Digital controller – half rack
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Audio Inputs	4x XLR-F Analogue (2x Analogue/digital AES/EBU)
Audio Outputs	2x XLR-M Digital (AES/EBU)
A2Net ports	2x Output (Neutrik® ethercon, light ring Halo)
Data Control	Ethernet (RJ45) USB C-type
Cooling	Passive convention
Operating Range	100-240V~ (50-60Hz)
AD Converter	24 bit/48 kHz
Control	Menu button
Power Supply	Full-range SMPS
Dimensions (WxHxD)	220x44x167 mm (8.66×1.73×6,57 in)
Operation limit temp.	-20°C / 50°C (-4°F / 122°F)
Weight	1.91 Kg (4.21 lbs.)

Product Usage Instructions

Network Setup:

To set up the network, connect your PC or Mac running AuroraNet to Control24A via Ethernet or USB input. Connect the controller to A2Net or RDNet devices using Cat5e cables up to 200m. You can connect up to 32 A2Net/RDNet devices in a daisy chain.

Important Notes and Warnings:

EMI Classification: According to standards EN 55032 and 55035, this equipment is classified as Class B, suitable for operation in residential environments.

MAIN FEATURES

- 4 channels Audio In (4 Analogue or 2 AES/EBU)
- 4 channels Audio Out (2 AES/EBU)

- 2 channels A2Net Out
- Compatible also with RDNet devices
- Compact half rack size
- Quick installation
- AURORA Net USB/Ethernet control

PACKAGE CONTENTS

The box contains:

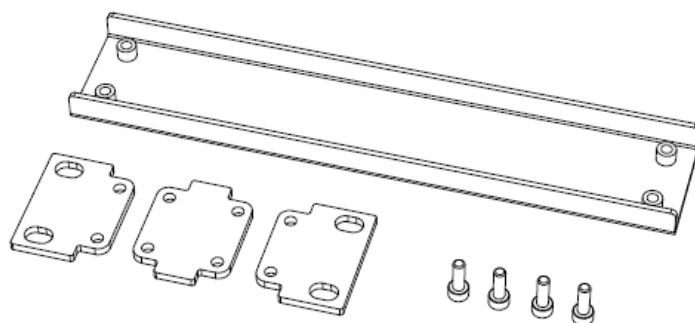
- n.1 Control24a controller
- n.1 mains cable

This quick start and warranty documentation

DESCRIPTION

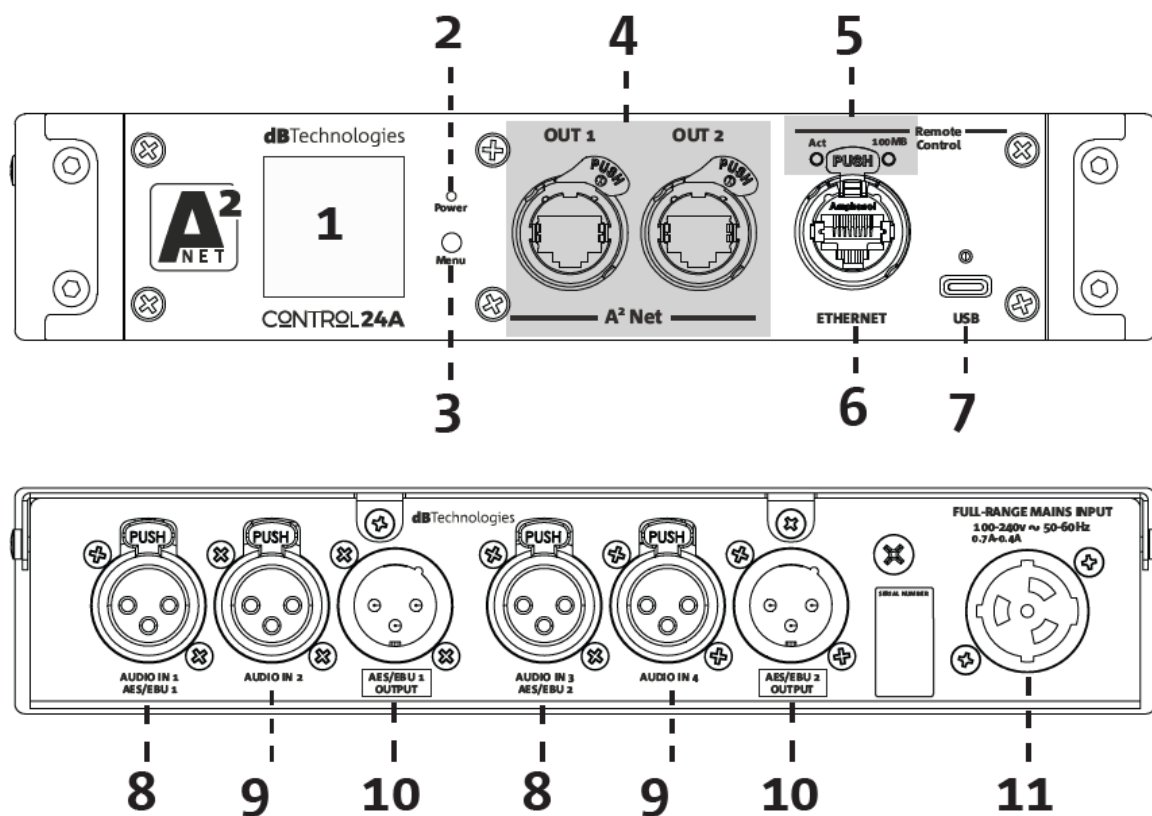
Control24a is the new dBTechnologies professional controller for active speakers that feature A2Net or RDNet connections for a remote in-depth control and configuration using AURORA NET software. The A2Net output can route RDNet, Audio and power signal (up to 30w per single channel) over a single CAT5 cable. I/O connections include analogue (XLR) and digital audio (AES/EBU). The mechanical design allows an easy, accurate and quick installation in half, 1u rack space, thanks to the optional brackets.

ACCESSORIES



RMK-1
rack mount kit

DIMENSIONS

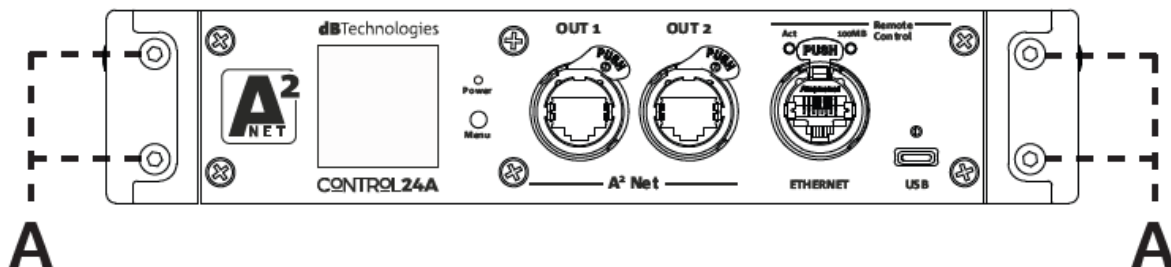


POWER SUPPLY SPECIFICATIONS (POWER ABSORPTION)

- Draw at full power: 0.7 A (220-240V~) – 1.4 A (100-120V~)
- Average power absorption: 6.2 W (220-240V~) – 6.5 W (100-120V~)

INSTALLATION

Control24A can be installed in different configurations. For a quick installation, on the front of the device (A), the user can find a mechanical fixing point for rack mounting.



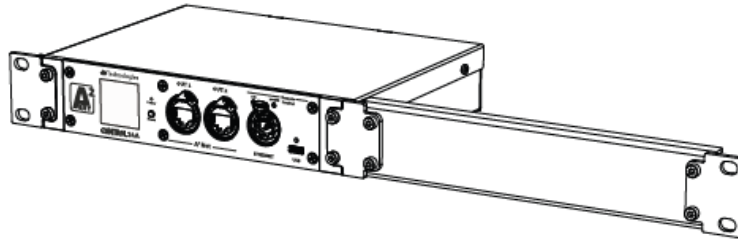
N.1 CONTROLLER IN A HALF RACK



N.2 CONTROLLERS IN ONE RACK

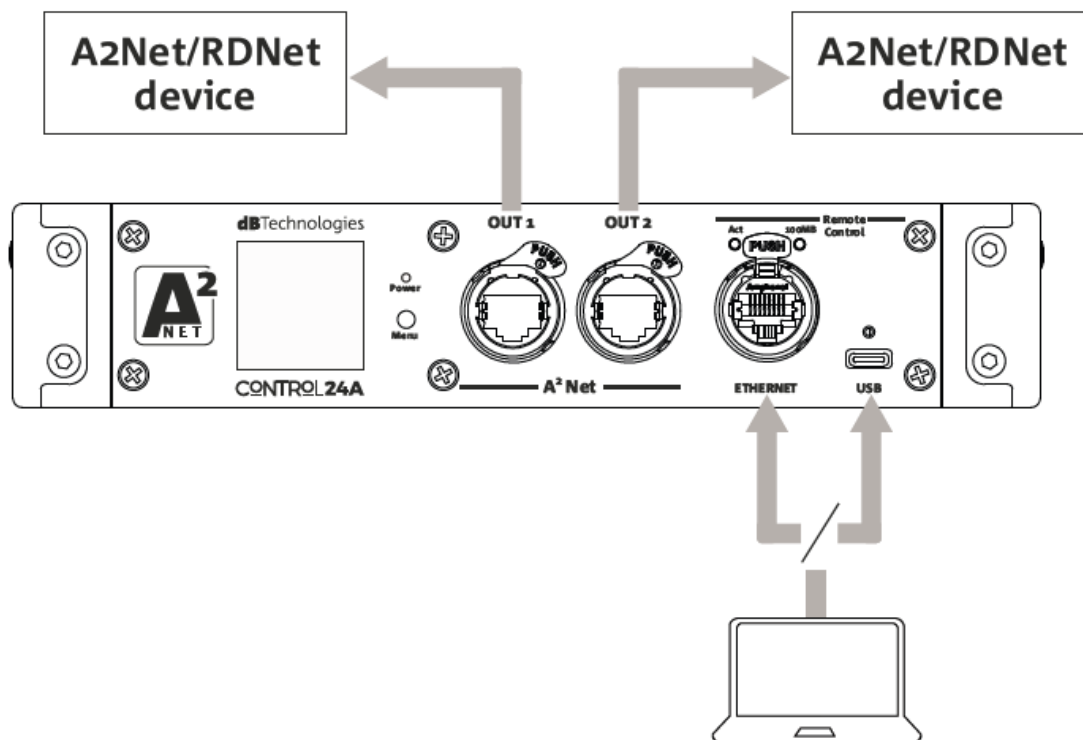


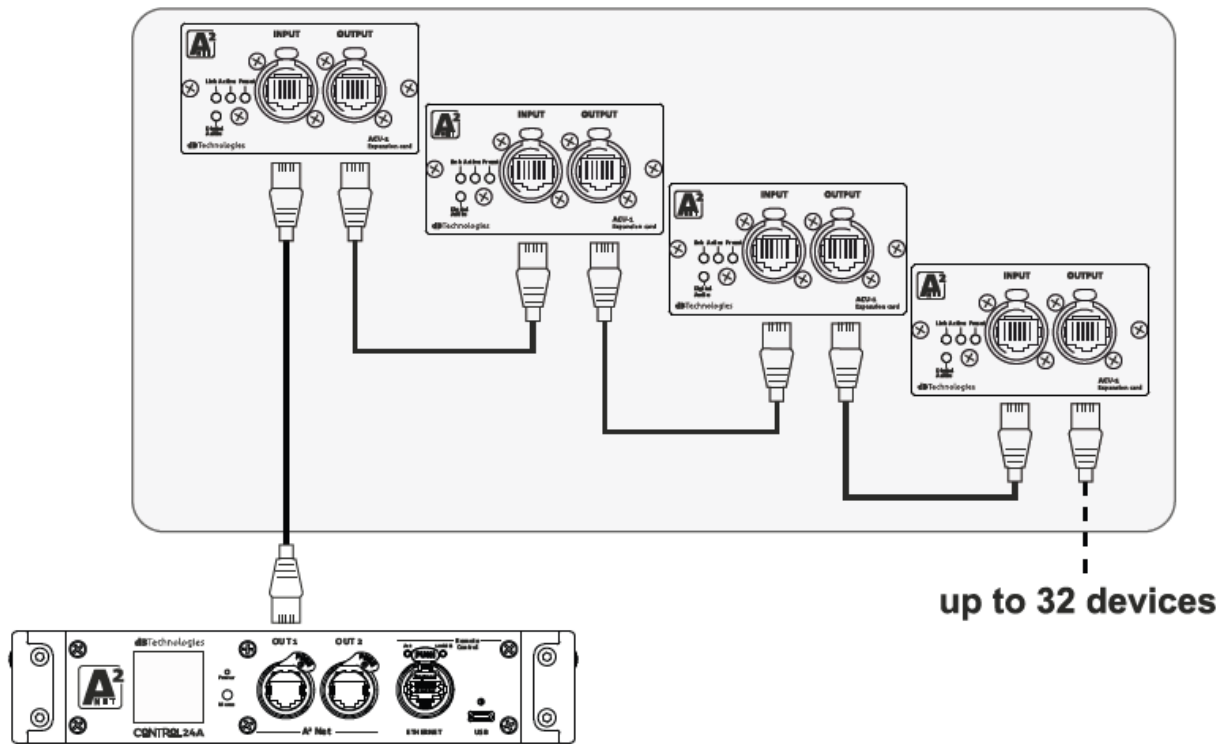
N.1 CONTROLLER IN ONE RACK



NETWORK SETUP

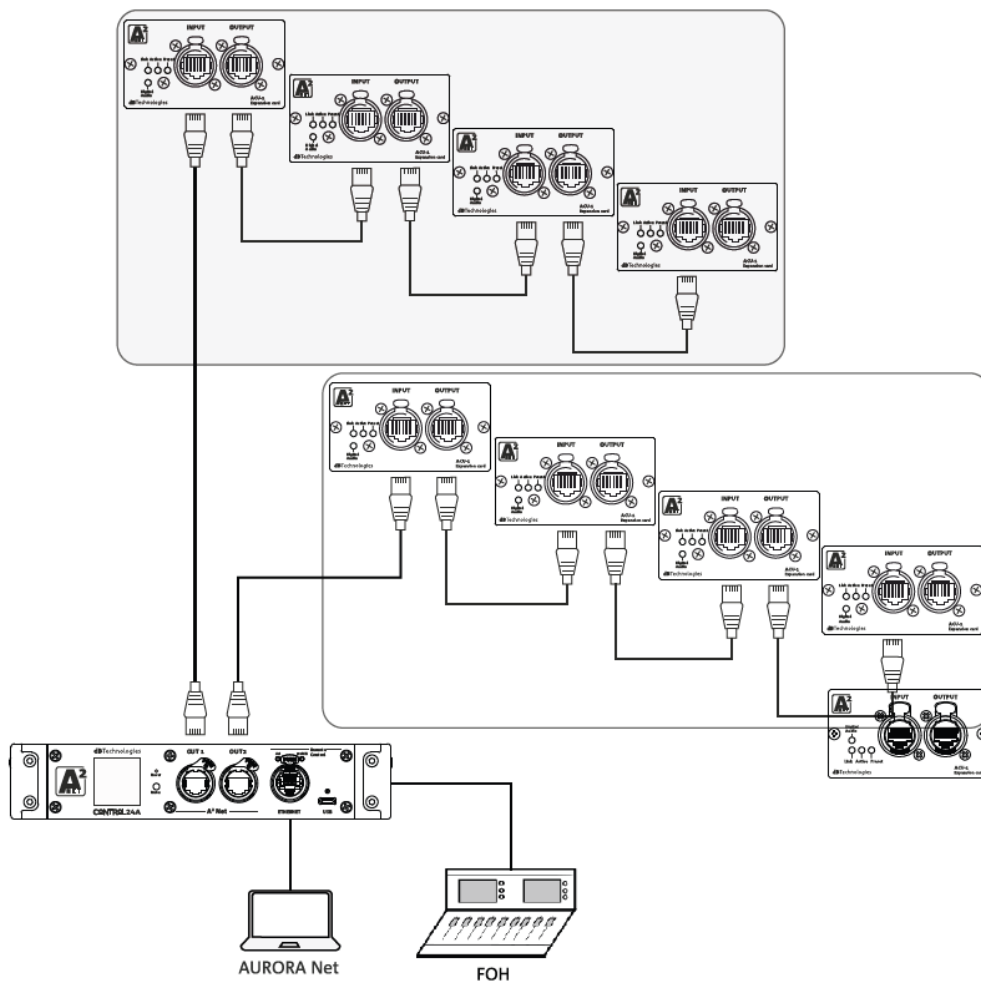
Connect your PC or Mac running AuroraNet to Control24A Ethernet or USB input. Connect the controller to A2Net or RDNet devices using at least Cat5e cables up to 200m. You can connect up to 32 A2Net/RDNet devices in aaisy chain.





BASIC SYSTEM SETUP

Below is an example of a network configuration.



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, under 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 according to 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 to 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.
5. 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 damage to persons or property. Before installing the device, check all the components for damage, deformations, missing or damaged parts that may compromise safety during installation.
- Follow the instructions contained in this quick-start user manual and in the complete user manual to properly install the device. It's suggested to keep enough distance from other devices to allow the right cooling.
- Features, specifications 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.

- Only expert personnel may use the product and its accessories! 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 the device control and the firmware update; 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 equipment for a safe installation.

Should never apply a load that exceeds the working load limits of any rigging components or equipment presented here. Design, calculation, installation, testing and maintenance of suspension and stack systems for audio equipment must be performed only by qualified and authorised personnel. AEB Industriale s.r.l. Denies any responsibility for improper installations in the absence of safety requirements.



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

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FAQs

Q: Can I connect multiple Control24a units together?

A: Yes, you can connect up to 32 A2Net/RDNet devices in a daisy chain configuration.

Q: What is the power supply specification for Control24a?

A: The power supply specifications are as follows: Draw at full power: 0.7 A (220-240V~) – 1.4 A (100-120V~) Average power absorption: 6.2 W (220-240V~) – 6.5 W (100-120V~)

Q: Can Control24A be rack-mounted?

A: Yes, you can mount Control24A in different configurations, including half-rack and full-rack installations.

Documents / Resources

	<p>dBTechnologies Control24A Amplifier [pdf] Owner's Manual 002120, 420120447Q, Control24A Amplifier, Control24A, Amplifier</p>
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References

- [User Manual](#)

Related Posts

[CROWN D-150 Power Amplifier Owner's Manual](#)



CROWN D-150 Power Amplifier D-150 Power Amplifier

[ESOTERIC F-01 Integrated Amplifier Owner's Manual](#)

ESOTERIC F-01 Integrated Amplifier



ESOTERIC F-01 Integrated Amplifier

[KICKER KXMA800.8 Amplifier Owner's Manual](#)

KXMA800.8 AMPLIFIER Info Card Mounting Choose a dry, structurally sound location

ICKER amplifier. Make sure...



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002120, 420120447Q, Amplifier, CONTROL24A, Control24A Amplifier,

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