

D-ALINP

Instruction manual

D-ALINP manual



Introduction

Please read this manual before using the product in order to give you the necessary product and installation instructions to assure a seamless installation and non-compromised overall sound quality and functionality.

Thanks for purchasing our D-ALINP Local Input Panel.

Affordable, versatile, but by no means a compromise on functionality – Typically Apart!

Safety precautions

- Keep this manual for future reference.
- Take care of your connection wires, they should be free of damage. Damaged wires may result in poor performance or malfunctions and can cause damage to installations.
- Only use accessories specified by the manufacturer
- No mains power shall be connected to the device, doing so will damage the unit.
- This device should only be serviced by qualified personnel. If not serviced by qualified personnel, warranty may be void.
- Please check the packing for any kind of damage upon receipt of the goods. If the packing is

damaged, please contact your dealer before opening it.

- Take notice that this unit must be protected from moisture and is meant for indoor use only.

Features and benefits

- Inconspicuous and elegant design
- Fits in a standard 2 gang utility box
- Easy and foolproof 3-wire system
- Built in high quality input transformer to avoid ground loops.
- Built in mic pre-amplifier.
- Phantom powered, no additional power supply

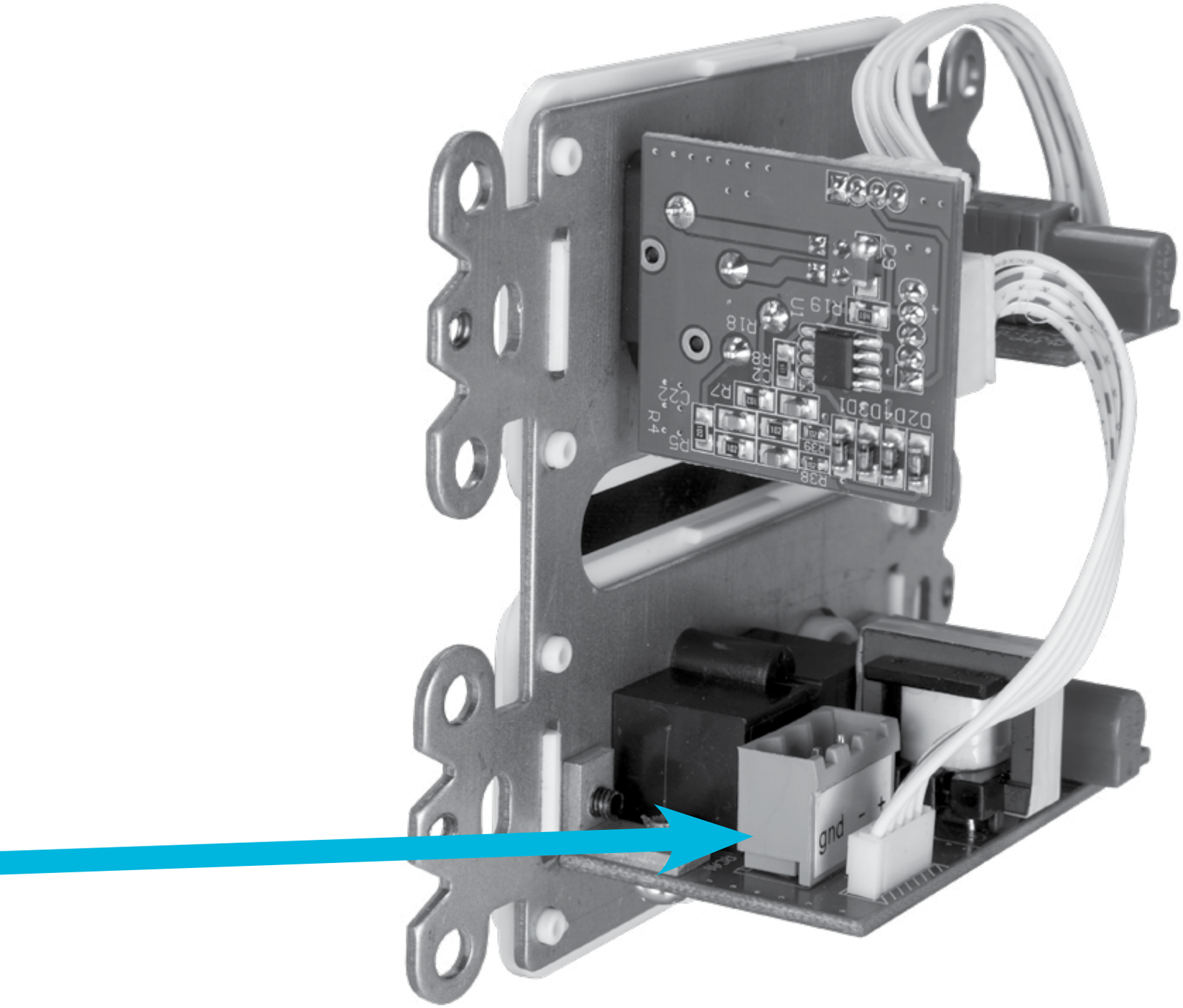
needed

- Line and microphone inputs
- Separate volume control for line and microphone
- Line and Microphone input are automatically mixed together.
- Push lock volume buttons
- Exceptional audio quality

Connecting and installing the unit

Please power off your master unit before connecting the D-ALINP. It is possible to use standard low voltage approved wires or cables such as standard CAT5 cables. The D-ALINP will be hardwired to a balanced line input of any suitable device with phantom power between 18V and 48V . The connection of the wires are indicated on the D-ALINP. Please connect the wires to a complementary device according to the labels.

Connect the wires here


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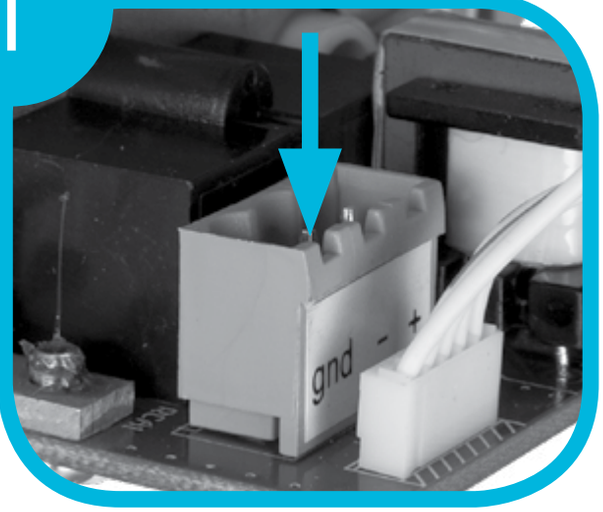
LOCAL INPUT CONTROLS

Do not connect more than one D-ALINP unit on the same cable. This will cause malfunction and possible damage to your main unit and/or D-ALINP. Avoid thick solid wires, these will cause mechanical stress on the connectors and make installation difficult.

D-ALINP fits into the standard 2 gang in-wall utility boxes and is connected with 4 6-32 thread screws.



1



First, connect the wires to the 3-pole MSTB connector and install the main electronic frame in the in-wall box with the 4 provided screws.

2



After installation of the electronic metal frame, place and fasten the faceplate with the 4 panel screws to finish the installation.

Using D-ALINP

To use the D-ALINP module please see that the balanced input is configured as mono and that a phantom voltage is present.

The D-ALINP sums the RCA-cinch inputs to mono. The microphone and RCA-inputs have separate volume control.

You will need to adjust the LINE input gain of your host-device depending on your phantom voltage level and depending on the source you will connect to the ALINP panel.

As a rule of tumb: connect your source to the ALINP panel, set the ALINP volume to 80% on the panel and then adjust the input gain of your host to have sufficient input (but not clipping) to your host device.

Specifications

Input sensitivity for nominal output (0 dBV) RCA input (@48 VDC phantom)	-15 dBV, 177 mVrms
Input sensitivity for nominal output (0 dBV) MIC input (@48 VDC phantom)	-33 dBV, 22.3 mVrms
Cable length	Tested and full functional with 600 m CAT6 cable
SNR via de balanced mic input	noise floor -80 dBV, SNR 86 dB
SNR via de unbalanced cinch	noise floor -80 dBV, SNR 86 dB
max THD at 1 kHz via de balanced mic	0.05% at 1 kHz
max THD at 1 kHz via de unbalanced cinch	0.05% at 1 kHz

Rated input impedance balanced MIC	4 kohm
Rated input impedance unbalanced line	8.5 kohm
Dimensions (w x h x d)	116 x 115 x 50 mm 4.57 x 4.53 x 1.5 in
Cut-out dimensions	102 x 102 mm 4.02 x 4.02 in
Mounting depth	minimally 45 mm
Connectors	3-pole MSTB connector (5mm)
Fits in	2-gang utility wall box
Weight	173 g 0.35 lb
Power supply	24 VDC, phantom powered by main unit

Note: The D-ALINP module was designed for use with phantom voltages between 24 VDC and 48 VDC. The specifications in the table above were measured at the maximum phantom voltage of 48 VDC. Lowering this phantom voltage to lead to a lower input range.