

# ALINP

## Instruction manual



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 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
- 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

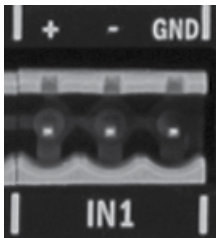
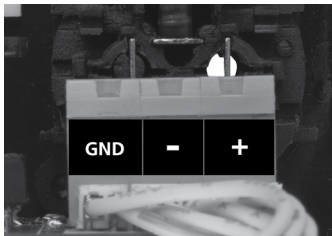
- Line and microphone inputs
- Separate volume control for line and microphone
- Line and Microphone input are automatically mixed together.
- Push lock volume buttons
- Exceptional audio quality

### Connecting and installing the unit

Please power off your master unit before connecting the ALINP. It is possible to use standard low voltage approved wires or cables such as standard CAT5 cables. The 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 ALINP. Please connect the wires to a complementary device according to the labels.





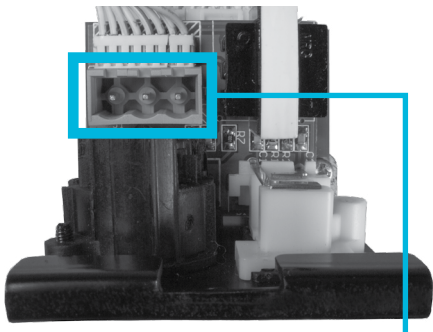
## 8 LOCAL INPUT CONTROLS

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

ALINP fits into most standard in-wall boxes such as our E-MODIN and N-MODIN and is connected with just two, 3mm screws.



Using ALINP



*Connect the wires here.*

After installation of the electronic metal frame, just click on the plastic front panel to finish the installation.

## Using ALINP

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

The 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 thumb: 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 RCA input (@24VDC phantom)	-8.6 dBV, 370 mVrms
Input sensitivity MIC input (@24VDC phantom)	-35.5 dBV, 16.7 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 1kHz via de balanced mic	0.05 % at 1 kHz
max THD at 1kHz 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	83 x 83 x 45 mm
Cut-out dimensions	51 mm diameter or 51 x 51 mm
Mounting depth	minimally 50 mm
Connectors	3-pole MSTB connector (5 mm)
Fits in	E-MODIN and N-MODIN
Weight	110 g
Power supply	24 VDC, phantom powered by main unit

*Note: The ALINP module was designed for use with phantom voltages between 24VDC and 48VDC. The specifications in the table above were measured at the minimum phantom voltage of 24VDC. Increasing this phantom voltage to lead to an increased input range.*

**developed**

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