



Instruction manual

ILA-E INDUCTION LOOP RECEIVER

With LED sensitivity indicator, CUT filter and one-ear headphones.



ILA-E – INDUCTION LOOP RECEIVER

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IMPORTANT SAFETY INSTRUCTIONS & SYMBOL DECLARATION

1. Read this manual carefully.
2. Keep this manual in a safe place.
3. Observe all warnings.
4. Follow all instructions.
5. **WARNING:** To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.
Do not use this device near water.
6. Clean only with a dry cloth.
7. Do not cover any ventilation openings.
8. Do not install near heat sources such as radiators, air vents, stoves or other equipment (including amplifiers) that radiate heat.
9. Do not override the safety function of the polarity reversal protection or earthing contact plug. A connector with polarity reversal protection has two pins, one wider than the other (USA / Canada only). A safety plug has two pins and a ground terminal. If the supplied plug does not fit into your outlet, it will be outdated and must be replaced by an electrician.
10. Route the power cord so that nobody can step on it or get caught. This particularly applies to plugs, sockets and the point where the cable exits the device.
11. Use only Phoenix Professional Audio GmbH products and specified accessories.
12. Have maintenance performed by qualified service personnel only. The device must always be serviced if it has been damaged in any way, for example, if the power cord or plug is damaged, liquids have been spilled on the product, or objects have fallen into the product, the product has been exposed to rain or moisture, is not working normally, or has been dropped.

EXPLANATION OF GRAPHIC SYMBOLS



**AVIS: RISQUE DE CHOC ELECTRIQUE !
NE PAS OUVRIR !**



The exclamation mark in a triangle is intended to alert the user to the presence of important operating and maintenance instructions in this manual.



The symbol consisting of a lightning bolt with an arrowhead in a triangle is intended to alert the user to the presence of non-isolated, dangerous voltages within the housing that may be strong enough to give off an electric shock.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER. USE QUALIFIED PERSONNEL FOR ALL MAINTENANCE WORK.

GENERAL INFORMATION

The ILA-E induction loop receiver makes it easy to quickly and easily check or maintain a loop system.

The ILA-E loop receiver is used wherever an induction transmission is installed or particularly suitable for people who need a high quality „wireless“ hearing aid without having to use a real hearing aid, such as in channel interpreter systems.

Induction loop amplifiers are very often used in **churches, cinemas, theaters, outlets, bank counters, interpreting systems or DRIVE-INS or DRIVE-THROUGHS**. Thus, by the inductive coupling of hearing aids, hearing aid wearers can hear the useful signal (*audio transmission*) much better in severe acoustic conditions (background noise, reverberation etc.) without disturbing noises.

By transmitting an audio signal through the induction loop, an acceptable signal-to-noise ratio is achieved.

Due to reverberation and background noises, a purely acoustic, direct sound transmission (between loudspeaker and hearing aid) considerably worsens the perception and speech intelligibility of the useful signal by the hearing aid wearer.

The ILA-E receiver is a very compact, handy and versatile device. It is used as a pure audio receiver for persons whose hearing aid does not have a „T position“ or for monitoring or checking the field strength and quality of the transmission of the induction loop system.

IMPORTANT:



Rooms and areas where an induction loop has been installed should be marked accordingly.

DISPLAY AND CONNECTION PANEL

The ILA-E induction loop receiver has a measuring device with an optical LED display of the field-strength. The display range is between **green LED display** 50 mA/m/RMS, **yellow LED display** 100mA/m/RMS, **red LED display** 400 mA/m /RMS.

In addition, there is a connection panel in the upper area of the receiver for connecting a headphone with volume control and a **CUT filter 400 Hz**.



DISPLAY AND CONNECTION PANEL



1.- HEADSET CONNECTOR

Headphone jack on mini-jack with a gain of max. 100mW@16 Ohm.

2.- LED FIELD STRENGTH RECEPTION DISPLAY

- The green LED shows a reception in the area 50 mV/m [field strength].
- The yellow LED shows a reception in the area 100 mV/m [field strength].
- The red LED shows a reception in the area 400 mV/m [field strength].

3.- CUT-FILTER

- Switch position **(ON)** : Input low-cut filter (400 Hz) for removing low frequencies, noise and phase rotation is activated.
- Switch position **(OFF)**: The high pass filter (low cut filter, 400 Hz) is disabled.

4.- VOLUME CONTROL WITH POWER ON / OFF POSITION

This regulator adjusts the headphone volume. In addition, turning the VOLUME control turns the receiver on and off. ON / OFF position.

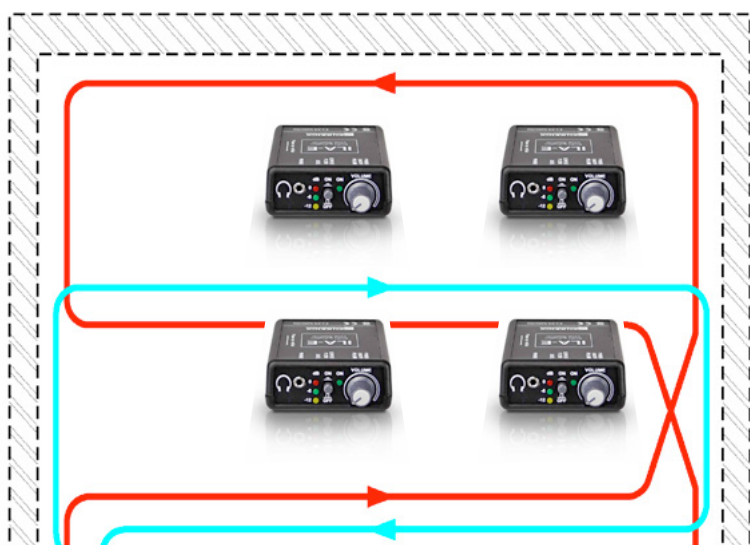
5.- OPERATING DISPLAY POWER ON

The green LED indicator no. 5 lights up when the receiver is switched on and is ready for use.

USE AND POWER SUPPLY

Important Information! ⚠

To ensure a trouble-free use of the receiver ILA-E, the device should always be used in vertical orientation.



On the back of the device is the battery compartment for two 1.5 V batteries, type AA. For a medium volume, the power supply is sufficient for about 100 hours of operation.



Battery compartment for 2 x 1.5 V type: AA batteries.
Please always pay attention to the correct polarization!

TECHNICAL DATA

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ILA-E

Battery	2 x 1.5 V type. AA
Colour	black
Connection	Headphone input on mini jack
Control LEDs	For reception strength up to 400mW / m
Controls	Volume & CUT filters
Dimensions	W-67 x H-90 x D-25 [mm]
Display / measurement	Green LED 50mW, Yellow LED 100mW, Red LED 400mW [m / rms]
EN 54-24 number	DIN EN 60118-4
Frequency response	Without CUT filter: 85Hz-6kHz [+ -1dB]
Frequency response	With CUT filter: 400Hz-6kHz [+ -3dB]
Headphone	3.5 mm jack plug
Headphone output	yes, one-ear headphones
Mass	100 gram
Material	plastic
Operating time	about 100 hours
Output	Headphone output with 100mW @ 200 ohms
Output impedance	200 ohms
THD	< 0.25%

Disclaimer

The author points out that the representations, explanations, calculations and the same contained in the directive are merely exemplary in nature. They reflect the current state of knowledge and the current legal situation, but make no claim to completeness. In view of the complexity of construction projects, the development of individual solutions relevant to the respective project is indispensable. Any liability for the descriptions, applications, indications and transmissions of the guideline or individual details or parts of it shall be hereby expressly excluded.

Important notes

The following applies to all pages of this description:

Technical changes and printing errors reserved.

The pictures are similar, color deviations reserved.