Univox® P-Loop 2.0

Portable loop case

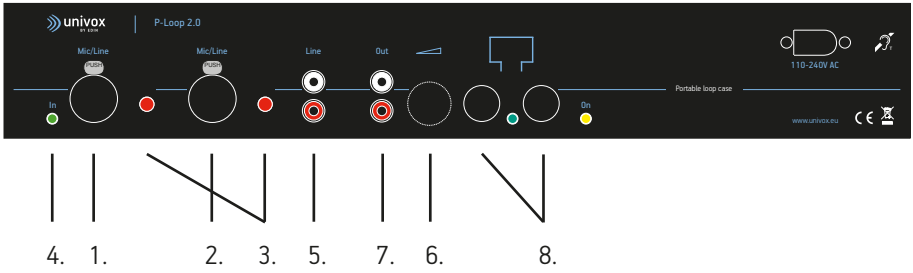
User Guide



Univox® P-Loop 2.0
Part No 212031

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1. In – green LED level in XLR Mic/Line
2. Mic – balanced XLR
3. Line – balanced XLR
4. Level in controls for XLR-inputs
5. Line – line in, unbalanced RCA
6. Out – line out, unbalanced RCA
7. ◿ – loop current control
8. ⊓ – Loop cable connection 6,35mm
9. ⊓ – Blue LED loop current indication
10. On – Yellow LED mains
11. 110-240V AC – mains connection
12. 12-24V DC – DC connection (DC adapter)

Introduction

Thank you choosing a Univox® product. We hope you will be satisfied!

Univox® P-Loop 2.0 is a compact portable loop system used to enhance speech intelligibility for hearing aid users with the hearing aid in T-position. It is very easy to use and can operate in rooms of various sizes up to and including 150 square metres.

All Univox® amplifiers have a very high output current capability resulting in powerful and secure products fulfilling existing standards, IEC 60118-4.

Please read this user guide carefully before (installation and) use of this product.

Univox P-Loop 2.0 Portable Loop Case

Univox P-Loop 2.0 portable loop case contains a complete portable loop system with a built-in amplifier with a 35 meter loop cable on a dispenser and accessories depending on which loop solution you have chosen. A 15 meters extension cable is also included as well as the loop test instrument Univox Listener 2.0. Several built-in wireless microphone options are available. Other accessories that are available for this product are listed in the section Accessories. The microphone level is preset if you have bought a P-Loop with two wireless microphones. Please refer to the separate Okayo user guide with addendum for a more detailed instruction of how to set levels of microphones and amplifier.

We hope that the product will meet your highest expectations!

Setting up the loop

Place the case anywhere along the perimeter of the intended loop. If you do not have access to a power extension cord, make sure you place the case close enough to the power outlet for the included power cord to reach. Pull out the loop cable from its dispenser and place it around the area that you want covered. There is no need to pull out more cable from the dispenser than is required. Connect both ends of the cable to the amplifier's loop terminal marked ⊔ (8). If needed there is a 15 meter extension cable, making the maximum coverable area 150m^2.

Note. Construction metal can affect the hearing loop to the extent that the loop area needs to be reduced, alternatively place the cable in a figure 8.

Connecting signal source(s)

There are three different audio inputs. Two Mic/Line factory set (1) and (2) to line sensitivity and one RCA line input (5).

Adjusting input sensitivity (Mic/Line XLR)

Set all adjustments to minimum position by turning the knobs counter clockwise all the way to the end. Make sure that all connected audio sources (if there are any) except for the one being adjusted are turned off. Turn on the signal source. If it is a microphone make sure that somebody is speaking into it. If it is another type of source make sure program material is playing.

Slowly adjust the sensitivity by turning the knob to the right of the XLR socket (3) clockwise until the "In" LED (4) lights up. The sensitivity adjustment should be based on the weakest signal, i.e. when adjusting for a microphone the weakest signal is the weakest voice that will use the microphone. Do not increase the level beyond that the LED just lights up. If the level is too high there is a risk of self oscillation.

Note
When using the RCA line input (5), no adjustment is required.

Connecting mains power

Connect the mains cable to the socket marked "110-240V AC" on the amplifier and to the power outlet.

Adjustment of loop current level

Adjust the loop current level with the knob marked  (6) placed to the left of the loop cable sockets  (8). The LED indicator below the sockets indicates when current floats through the cable(transmitting).

Use the testing device Univox Listener 2.0 (included in the case) to adjust the right loop current level. Please consult the included user guide for instructions on how to use the Listener 2.0.

Wireless microphone systems

Please refer to separate User Guide.

Adjustments when used with loop amplifier

Please note that the difference in sensitivity for handheld microphones (EJ-701TM Plus) and pocket transmitters. The handheld microphone is set to a lower level to avoid feedback when used in front of speakers. Due to this the adjustments have to be made in the following order:

1. Set the sensitivity of the handheld microphone to "HI".
2. Set the volume control of the corresponding diversity receiver module to maximum.
3. Adjust the input level of the loop amplifier by turning the corresponding potentiometer until the IN led lights up distinctively at the peaks of the program signal source (AGC knee). Do not turn it up more than necessary as this will increase the risk of distorsion.
4. Increase the loop current trimmer to reach correct level in accordance with IEC-60118-4 (0dB at peaks of the program signal source).
5. The steps above secures a correct adjustment of the handheld microphone.
6. Adjust the sensitivity of the pocket transmitter to "LOW".
7. Set the volume control of the corresponding diversity receiver module to approximately "12 o'clock".
8. If user experiences the level of the pocket transmitter to be too low: Start to adjust the volume level of the corresponding diversity receiver module. If still too low, adjust the sensitivity of the pocket transmitter to "MID".

Acoustic amplification with an active speaker

In rooms without a loudspeaker system, it may be advisable to use a portable, active speaker with built-in wireless receivers to also acoustically enhance the sound. A slight acoustic amplification is often welcomed even in smaller rooms, especially when listening for a long period of time, and it is perceived to be more natural by both lecturers and listeners that the sound is acoustically amplified when speaking in microphones.

The Okayo GPA-670BD1 is a small, light-weight and flexible active speaker (with built-in amplifier) especially suitable for enhanced speech intelligibility. The GPA-670BD1 has rechargeable lithium ion batteries that provide 4-6 hours of operation, but can also be used connected to a wall outlet. The speaker has the same type of dual wireless receiver module that is built-in to the diversity receiver in the P-Loop case. This means that the sound from the wireless microphones is transmitted simultaneously to the loop and the loudspeaker. No cable or connection is necessary.

It is recommended to use a tripod floor stand for easy and flexible placement of the loudspeaker. If the loudspeaker is set up at the back of the room and directed towards the speaker, those who are in the back of the room (and thus further away from the speaker) get a helping acoustic boost, while those who sit at the front hear the speaker acoustically anyway. The large distance between the microphone and the loudspeaker minimizes the risk of acoustic feedback.

Tapping the signal

The signal from the amplifier can be tapped to an external system from the RCA, marked "Out" (7). Please consider the risk of feed back, if the system includes loudspeakers.

Trouble shooting guide

Use Univox® Listener to check the sound quality and basic level of the loop.

Verify the control LED's following the instructions in this installation guide.

Should the system not work after having made the product test as described above, please contact the local distributor of the product for further instructions.

Note Warranty is not valid for any damage or defects on the product due to incorrect or incautious installation (or usage).

Safety/Warranty

Basic knowledge in audio and video installation techniques is required to achieve existing regulations. The installer/planner is responsible for the installation hereby avoiding any risk or cause of fire.

Also note that warranty is not valid for any damage or defects on the product due to incorrect or incautious installation (or usage).

Bo Edin AB shall not be held responsible or liable for interference to radio or TV equipment, and/or to any direct, incidental or consequential damages or losses to any person or entity, if the equipment has been installed by unqualified personnel and/or if installation instructions stated in the product Installation Guide have not been strictly followed.

Maintenance and care

Under normal circumstances Univox® loop amplifiers do not need any special maintenance. Should the unit become dirty, wipe it with a clean damp cloth. Do not use solvent or strong detergents.

Service

Should the product/system not work after having made the product test as described above, please contact the local distributor of the product for further instructions.

If the product should be sent to Bo Edin AB, please enclose a filled Service Form, www.univox.eu, Support.

Technical data

Please see the datasheet for the P-Loop 2.0 in the plastic pocket inside the case.

For additional information, please refer to product data sheet/brochure and CE certificate which can be downloaded from www.univox.eu, Downloads. If required other technical documents can be ordered from support@edin.se.

Environment/Correct disposal

When this product is finished with, please follow existing disposal regulations. Thus if you respect these instructions you ensure human health and environmental protection.

Measuring devices

Univox® FSM 2.0, Field Strength Meter Instrument for professional measurement and control of loop systems according to IEC 60118-4.

Univox® Listener Loop receiver for fast and simple check of the sound quality and basic level control of the loop.

Distributor

Univox by edin, the world's leading expert and producer of high quality hearing loop systems, created the very first true loop amplifier 1969. Ever since our mission is to serve the hearing community with the highest degree of service and performance with strong focus on Research and Development for new technical solutions.

Bo Edin AB, Stockby Hantverksby 3, SE-181 75 Lidingö, Sweden | www.univox.eu

Hearing excellence since 1965

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