UniVox® CTC 120-123

Loop amplifier for cross-the-counter systems

User Guide

UniVox® CTC 120-122 Loop amplifier for cross-the-counter systems

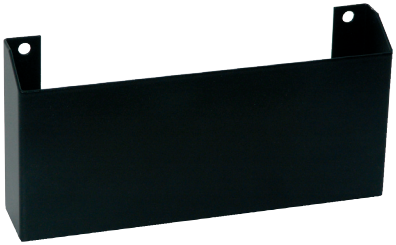
We thank you for having chosen a UniVox® product and hope that you will be satisfied. All UniVox® amplifiers have a very high output current capability resulting in powerful and secure products fulfilling existing standards, IEC 60118-4.

Content Page

UniVox DLS-70 loop amplifier

UniVox DLS-50 loop amplifier

Loop pad



Wall holder (optional)

13V microphone

UniVox M-1 microphone

System overview, introduction

UniVox® CTC loop amplifier for cross-the-counter systems is a complete system for equipping reception desks and counters with a tele loop. The system consists of loop amplifier, loop pad and microphone. Wall holder is optional.

Installed in a reception desk/counter the system gives hearing impaired with hearing aids the possibility to communicate with the staff behind the desk with greatly enhanced speech perception. The system is always activated and no special preparations have to be undertaken, neither by the hearing impaired nor by the staff. The only requirement is for the hearing impaired to put their hearing aids in T-position and for the staff to speak normally into the microphone.

UniVox® CTC-120 (part no 202040A)
The loop amplifier system consists of DLS-50 loop amplifier, loop pad and a 13V microphone. Wall holder is optional.

UniVox® CTC-121 (part no 202040B)
The loop amplifier system consists of DLS-50 loop amplifier, loop pad and a M-1 microphone. Wall holder is optional.

UniVox® CTC-122 (part no 202040C)
The loop amplifier system consists of DLS-70 loop amlifier, loop pad and a 13V microphone.

UniVox® CTC-123 (part no 202040D)
The loop amplifier system consists of DLS-70 loop amplifier, loop pad and a M-1 microphone

UniVox® CTC-120 UK (part no 202042A)
The loop amplifier system consists of DLS-50 loop amplifier, loop pad and a 13V microphone. Wall holder is optional.

UniVox® CTC-121 UK (part no 202042B)
The loop amplifier system consists of DLS-50 loop amplifier, loop pad and a M-1 microphone. Wall holder is optional.

UniVox® CTC-122 UK (part no 202042C)
The loop amplifier system consists of DLS-70 loop amplifier, loop pad and a 13V microphone.

UniVox® CTC-123 UK (part no 202042D)
The loop amplifier system consists of DLS-70 loop amplifier, loop pad and a M-1 microphone.

UniVox® CTC-120 US (part no 202044A)
The loop amplifier system consists of DLS-50 loop amplifier, loop pad and a 13V microphone. Wall holder is optional.

UniVox® CTC-121 US (part no 202044B)
The loop amplifier system consists of DLS-50 loop amplifier, loop pad and a M-1 microphone. Wall holder is optional.

Product overview UniVox DLS-50 loop amplifier

Fig. 1

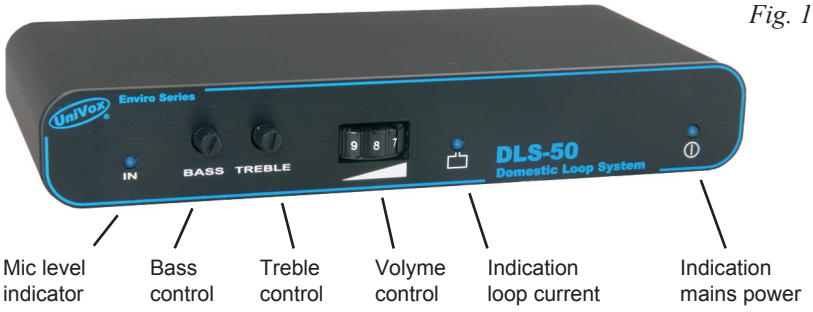
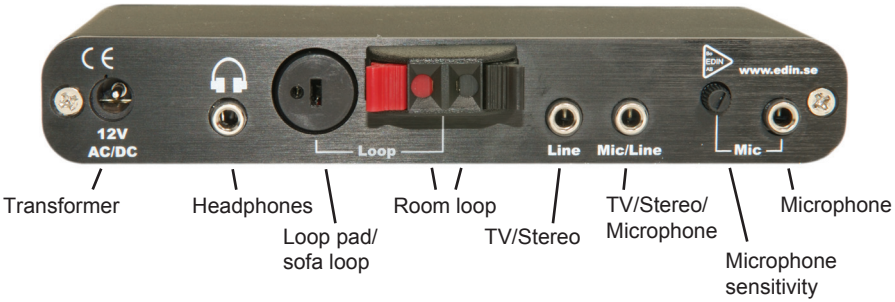


Fig. 2



Product overview UniVox DLS-70 loop amplifier

Fig. 3

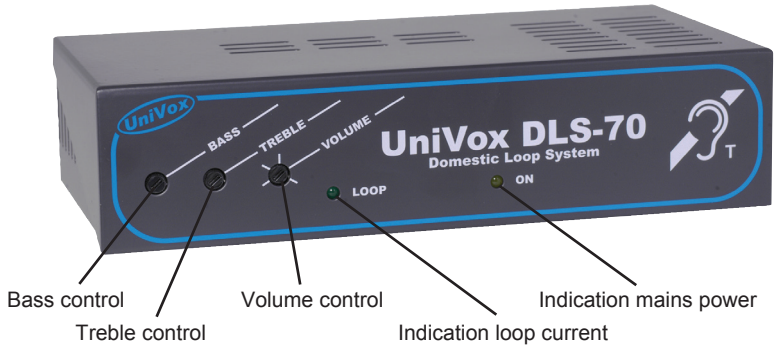
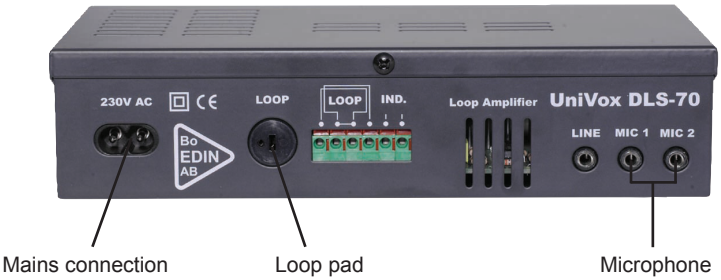


Fig. 4



CTC-120 Installation guide and document of use

1. Choose a suitable place for the loop amplifier. Consider that the loop pad, microphone and the amplifier's transformer shall be connected to the amplifier. If the wall holder has been delivered as an option: Attach the wall holder with the screw holes facing upwards on the selected spot. Two screws for this purpose are delivered in the package.
2. Choose a suitable place for the microphone. It can be placed on a wall or on glass. When choosing the place for the microphone, consider that the staff shall be able to stand or sit and talk in a normal, relaxed way with the hearing impaired. The microphone is of a boundary type, thus there are no requirements of talking in a special way into it. An example of how the system can be laid out, *see fig. 5*. Place the microphone cable under the desk in such a way that it will reach the place where the amplifier/wall holder is mounted. The microphone cable is 1,8 metres.
3. Mount the loop pad under the reception desk. The loop pad shall be attached in the angle between the front and the upper part of the reception desk as shown in *fig. 5 and 6*. This will ensure a constant field distribution with the right direction and also allow hearing aid users to tilt their head forwards, for example when writing. Attach the loop pad with a stapler (be careful not to damage the loop cables inside the pad), self adhesive tape or long welcro bands. Place the loop pad cable in such a way that it will reach the amplifier/wall holder. The loop pad cable is 10 metres.

Fig. 5

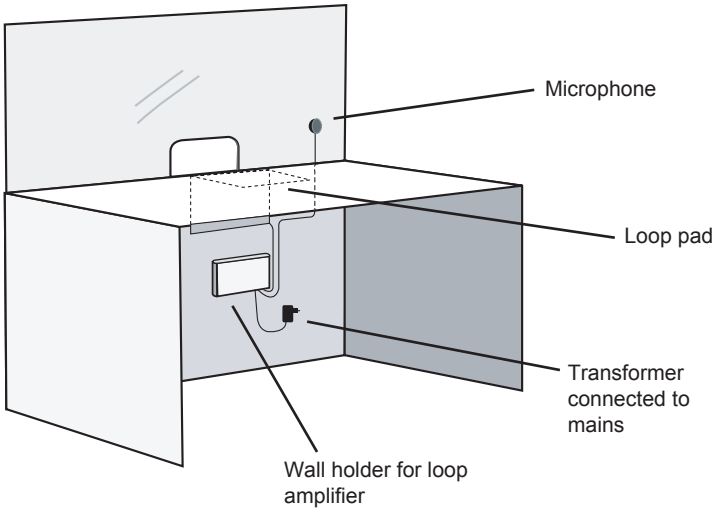
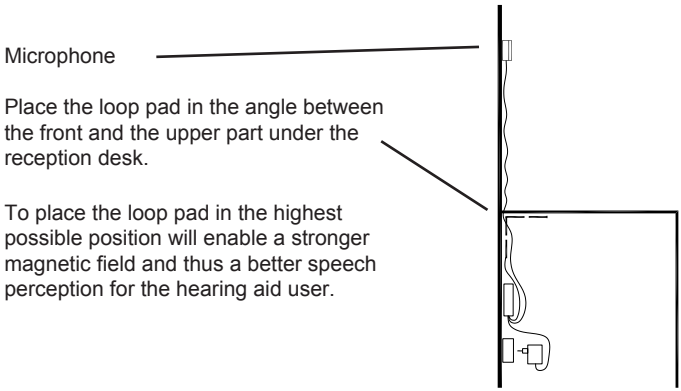


Fig. 6



4. Connect the cables for transformer, loop pad and microphone as shown in *fig. 2* below and connect the transformer to a mains output. If the wall holder has been delivered as an option: Put the cables from the loop amplifier's transformer, loop pad and microphone through the wall holder from underneath. Turn the amplifier in such a way that the connector side is facing down and you can read the text on the front of the amplifier in the right direction. Connect all three cables as shown in *fig. 2* below. Finally, lower the amplifier into the wall holder and connect the transformer to a mains output.
5. When all connections are completed correctly the LED-indicator for mains power on the right hand side of the front of the amplifier shall light up. The system is now ready to be used.
6. The loop current is adjusted by turning the volume control on the front of the amplifier. The volume might have to be adjusted up or down to match the circumstances on every installation site. A correctly adjusted volume should be verified with a measurement instrument. When the LED-indicator for loop current lights up during speech peaks settings are right. Bass and treble controls shall only be adjusted in exceptional cases to reach an adjusted frequency rendering.

CTC-121 Installation guide and document of use

1. Choose a suitable place for the loop amplifier. Consider that the loop pad, microphone and the amplifier's transformer shall be connected to the amplifier. If the wall holder has been delivered as an option: Attach the wall holder with the screw holes facing upwards on the selected spot. Two screws for this purpose are delivered in the package.
2. Choose a suitable place for the microphone. It can be placed on a desk or a table. When choosing the place for the microphone, consider that the staff shall be able to stand or sit and talk in a normal, relaxed way with the hearing impaired. The microphone is of a boundary type, thus there are no requirements of talking in a special way into it. An example of how the system can be laid out, *see fig. 7*. Place the microphone cable under the desk in such a way that it will reach the place where the amplifier/wall holder is mounted. The microphone cable is 1,5 metres.
3. Mount the loop pad under the reception desk. The loop pad shall be attached in the angle between the front and the upper part of the reception desk as shown in *fig. 7 and 8*. This will ensure a constant field distribution with the right direction and also allow hearing aid users to tilt their head forwards, for example when writing. Attach the loop pad with a stapler (be careful not to damage the loop cables inside the pad), self adhesive tape or long welcro bands. Place the loop pad cable in such a way that it will reach the amplifier/wall holder. The loop pad cable is 10 metres.

Fig. 7

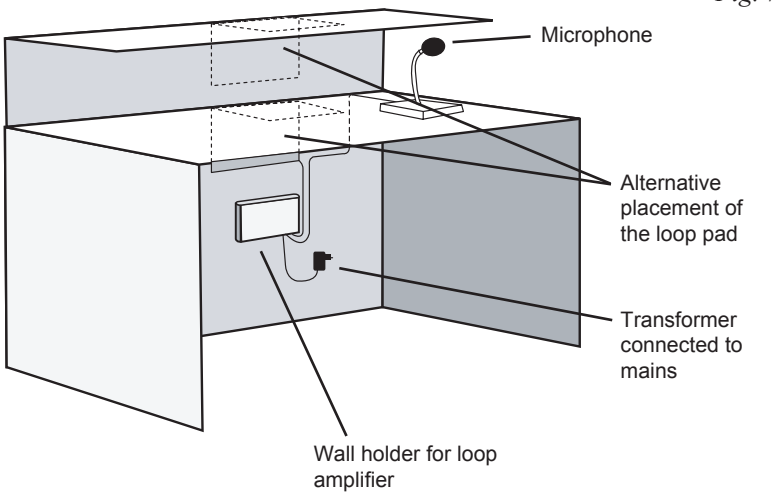
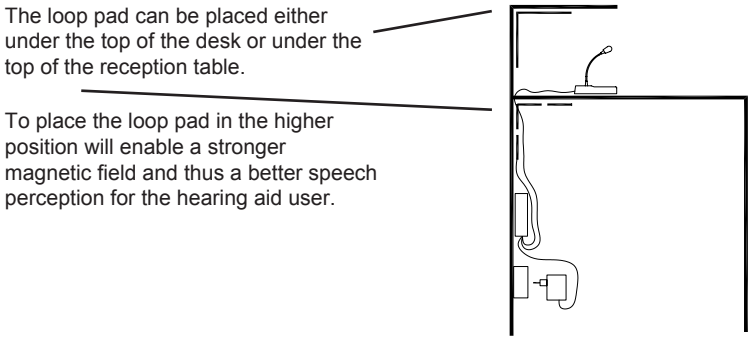


Fig. 8



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5. When all connections are completed correctly the LED-indicator for mains power on the right hand side of the front of the amplifier shall light up. The system is now ready to be used.
6. The loop current is adjusted by turning the volume control on the front of the amplifier. The volume might have to be adjusted up or down to match the circumstances on every installation site. A correctly adjusted volume should be verified with a measurement instrument. When the LED-indicator for loop current lights up during speech peaks settings are right. Bass and treble controls shall only be adjusted in exceptional cases to reach an adjusted frequency rendering.

CTC-122 Installation guide and document of use

1. Choose a suitable place for the loop amplifier. Consider that the loop pad, microphone and the amplifier's transformer shall be connected to the amplifier.
2. Choose a suitable place for the microphone. It can be placed on a wall or on glass. When choosing the place for the microphone, consider that the staff shall be able to stand or sit and talk in a normal, relaxed way with the hearing impaired. The microphone is of a boundary type, thus there are no requirements of talking in a special way into it. An example of how the system can be laid out, *see fig. 9*. Place the microphone cable under the desk in such a way that it will reach the place where the amplifier is mounted. The microphone cable is 1,8 metres.
3. Mount the loop pad under the reception desk. The loop pad shall be attached in the angle between the front and the upper part of the reception desk as shown in *fig. 9 and 10*. This will ensure a constant field distribution with the right direction and also allow hearing aid users to tilt their head forwards, for example when writing. Attach the loop pad with a stapler (be careful not to damage the loop cables inside the pad), self adhesive tape or long welcro bands. Place the loop pad cable in such a way that it will reach the amplifier. The loop pad cable is 10 metres.

Fig. 9

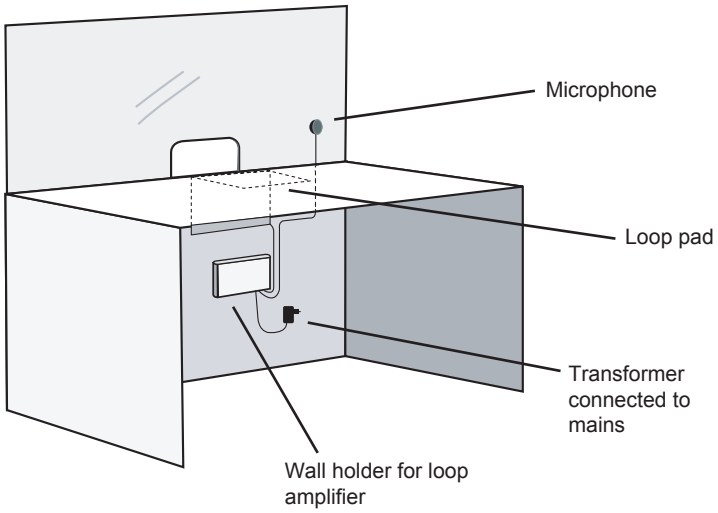
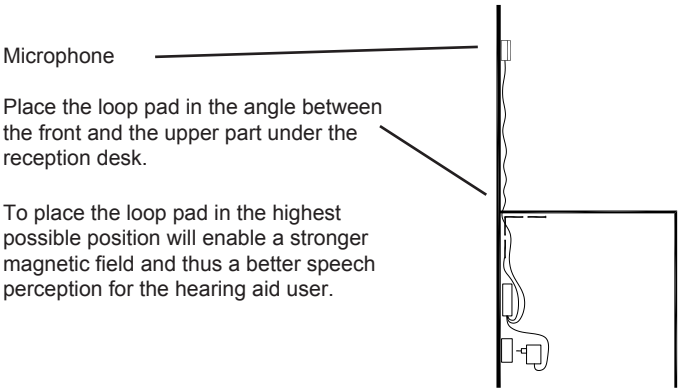


Fig. 10



4. Connect the cables for mains, loop pad and microphone to the amplifier as shown in *Fig. 4* below and finally connect the amplifier to a mains output.
5. When all connections are completed correctly the LED-indicator for mains power on the front of the amplifier shall light up. The system is now ready to be used.
6. The loop current is adjusted by turning the volume control on the front of the amplifier. The volume might have to be adjusted up or down to match the circumstances on every installation site. A correctly adjusted volume should be verified with a measurement instrument. When the LED-indicator for loop current lights up during speech peaks settings are right. Bass and treble controls shall only be adjusted in exceptional cases to reach an adjusted frequency rendering.

CTC-123 Installation guide and document of use

1. Choose a suitable place for the loop amplifier. Consider that the loop pad, microphone and the amplifier's transformer shall be connected to the amplifier.
2. Choose a suitable place for the microphone. It can be placed on a desk or a table. When choosing the place for the microphone, consider that the staff shall be able to stand or sit and talk in a normal, relaxed way with the hearing impaired. The microphone is of a boundary type, thus there are no requirements of talking in a special way into it. An example of how the system can be laid out, *see fig. 11*. Place the microphone cable under the desk in such a way that it will reach the place where the amplifier is mounted. The microphone cable is 1,5 metres.
3. Mount the loop pad under the reception desk. The loop pad shall be attached in the angle between the front and the upper part of the reception desk as shown in *fig. 11 and 12*. This will ensure a constant field distribution with the right direction and also allow hearing aid users to tilt their head forwards, for example when writing. Attach the loop pad with a stapler (be careful not to damage the loop cables inside the pad), self adhesive tape or long welcro bands. Place the loop pad cable in such a way that it will reach the amplifier. The loop pad cable is 10 metres.

Fig. 11

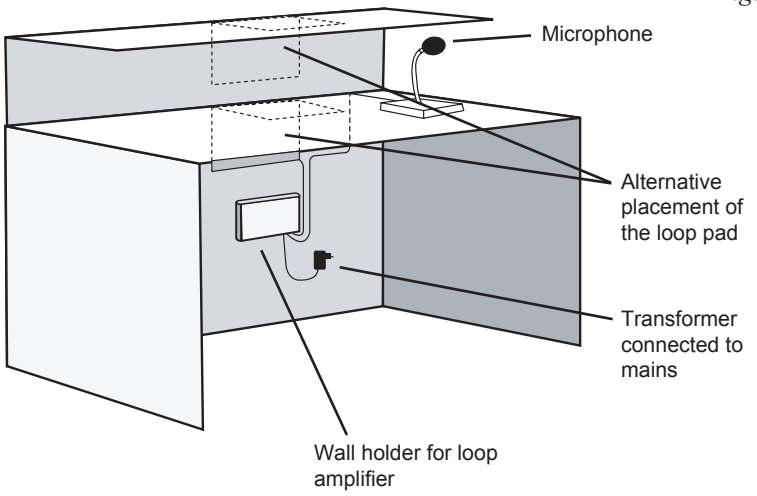
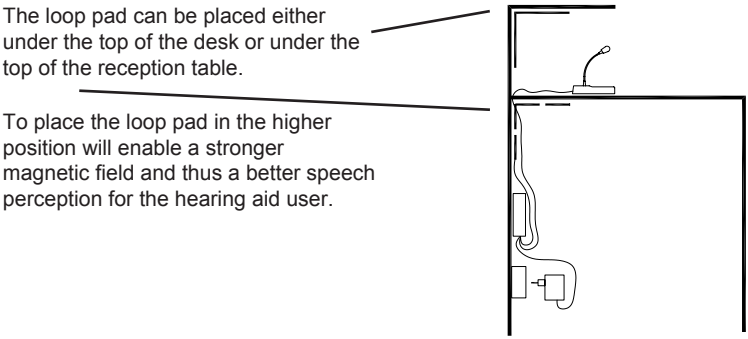


Fig. 12



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Security/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. Please also note that warranty is not valid for any damage or defects on the product due to incorrect or incautious installation.

Maintenance

Under normal circumstances UniVox® loop amplifiers do not need any special maintenance. Should the unit become dirty, wipe the unit with a slightly damp cloth. Do not use solvent or heavy cleaning agents.

Trouble shooting

If the loop amplifier does not perform satisfactory, check the following:

- Does the mains power indicator light? If not, control that the transformer is correctly connected to the power outlet and to the amplifier.
- Does the loop current indicator light? As this indicator lights it's a guarantee that the system works. If not, check that the loop pad is not broken and correctly connected. Check also all other connections.
- Attention! If headphones are connected the loop current indicator is disabled.
- The loop current indicator lights but there is no sound in the hearing aid/ headphones: check that the M-T-O switch of the hearing aid is in T or MT mode. Also check the status of your hearing aid batteries.
- Bad sound quality? Adjust the loop current, bass and treble controls. Bass and treble adjustment should normally not be neaded.

Service

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. If the product should be sent to Bo EDIN AB, please enclose a filled Service Form, see www.edin.se, Support.

Technical data

For additional information, please refer to product data sheet/brochure and CE certificate which can be downloaded from "Product databank" at www.edin.se. If required, spare part lists or other technical documents can be ordered through support@edin.se.

Environment

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, 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.

Notes

Notes

Distributor

Bo EDIN AB, founded in 1965, develops, produces and sells wireless loop systems and assistive listening devices under the brand name UniVox®. To ensure a high quality all products undergo careful tests and to fulfil our customers' needs the wide range also includes products from other companies. Approximately 50% of our sales are exported.

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