

Univox Digi RS-T

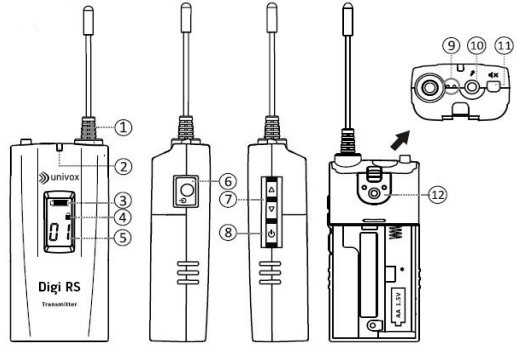
Body pack transmitter

User Guide






Transmitter





1. Antenna
2. LED Power/Signal indicator
3. LCD battery status
4. LCD channel lock
5. LCD selected channel
6. Aux-in socket
7. Up/Down button
8. Power button
9. Built-in microphone
10. Mic-in socket
11. Mute/Sync button
12. Belt clip/Lanyard tie-up



Power on/off

- Press and hold power button  for 1 second to turn the transmitter on. LCD screen shows  and then last used channel.
- Press and hold power button  for 2 seconds to turn the transmitter off. LCD screen shows "OF" and then shuts down.





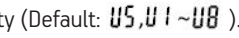

Channel lock/unlock

- Channel will automatically be locked and symbol "  " shows up if the device is idle for 5 seconds after being turned on.
- To unlock the channel, press buttons  and  simultaneously for 2 seconds until symbol "  " disappears.

Channel selection

- Press button  or  to select preferred channel when channels are unlocked.

Sensitivity adjustment

- When channel is locked, press and hold  for 2 seconds to enter mode .
- Press either button  or  to adjust the sensitivity (Default: .
- Press power button  to confirm the setting.

Mute/Sync

- When the mute button is pressed down, no sound reaches the microphone. Note that the mute button also is used for synchronization (see below).

Transmitter and receiver channel synchronization

When synchronizing the units should not be more than one meter apart.

- Press mute/sync button on transmitter before it is turned on.
- Turn the transmitter on and purple LED flashes to indicate the activation of channel-sync mode.
- Turn receiver(s) on to be channel synchronized (one or multiple receivers can be turned on at the same time).
- When channel is successfully synchronized, receiver's LCD shows same channel as that of the transmitter and its LED turns steady blue.
- Press the transmitter's mute/sync button to exit sync setup. When the transmitter has left sync set up, the sound is turned off when the mute/sync button is pressed down.

Note! If synchronization fails

1. Turn the transmitter off and repeat above procedure to redo the synchronization.
2. If it still doesn't work, turn off the transmitter and receiver(s) and redo the synchronization procedure again as described above.

Power / Signal indicator

Indicator behavior		Transmitter	Receiver
Flash	<i>Red</i>	Mute activated Low battery	-
	<i>Blue</i>	Mute activated Sufficient battery	-
	<i>Purple</i>	Sync activated	-
Steady	<i>Red</i>	Signal transmitted Low battery	Signal received Low battery
	<i>Blue</i>	Signal transmitted Sufficient battery	Signal received Sufficient battery
No LED		Device is not turned on	Device is not turned on/ Signal is not received

Service and warranty

Product is covered by 2 years warranty. The product warranty doesn't cover failure caused by tampering, carelessness, improper handling or maintenance.

Under normal circumstances no special maintenance is required. In case of failure, if the product should not work properly after the troubleshooting has been performed, please contact your local distributor for further instructions.

Refer all servicing to qualified service personnel only. If the product is sent to Bo Edin AB, please contact support@edin.se and enclose a filled Service Form, www.univox.eu/support.

Safety



Do not attempt to replace, recharge or repair damaged or defective battery as there may be a risk for heat, fire or short circuit development, if incorrectly replaced or connected.

Environment



To prevent possible harm to the environment and human health, please dispose the product responsibly by following statutory disposal regulations.

Technical data

Frequency range	821-832 and 863-865MHz (full spectrum 510-937MHz, country dependent)
Channels	32 selectable
Modulation	4 GFSK
Latency	< 5ms
Audio process	Compander
Dynamic range	> 70dB
SNR (Signal to Noise Ratio)	> 65dB
T.H.D. (Total Harmonic Distortion)	< 3%
Channel positioning	Yes
Operation range	up to 50m (line-of-sight)
Temperature	-10°C ~ + 60°C
Output	10 mW
Audio input	3,5 mm
Batteries	1 x 1.2V 2100mA Ni-MH AA rechargeable battery or 1 X 1.5V alkaline AA battery
Battery life	> 15 hours
Charging	Approx. 8 hours
Size (DxWxH)	24x40x87mm (without antenna)
Weight	70g (incl. battery)

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Univox Digi RS-ST

Digital stationary transmitter

User guide



Part no 550020

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Introduction

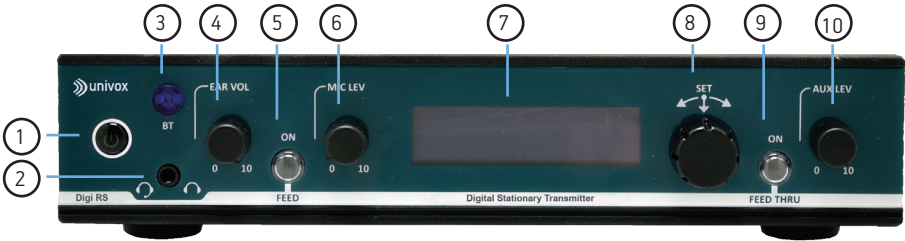
Thank you for choosing a Univox product! We hope you will be satisfied. Univox Digi RS-ST stationary transmitter is used where you have an audio source that you want to transfer wirelessly to receivers with headphones or neckloop.

Digi RS is suitable for a variety of applications, such as teaching, seminars, meetings, simultaneous interpretation, product demonstrations, talks, sermons, workout etc.

The basic model for Digi RS stationary transmitter comes with frequencies 821 - 832 and 863 - 865MHz, but it is also available in other frequency ranges for use both in and out of the EU.

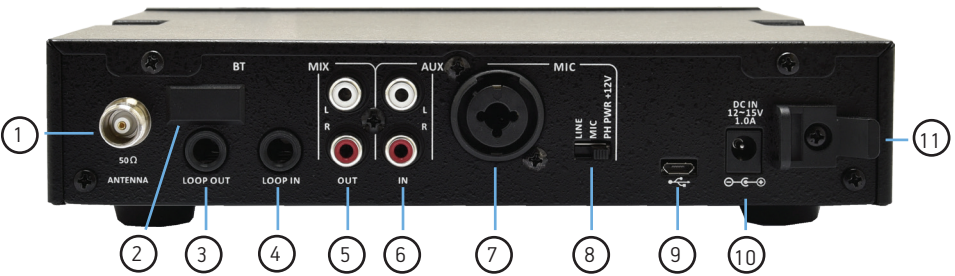
Product overview

A Front panel



- A1. Power button
- A2. 3.5mm headphone/headset-mic jack
- A3. Bluetooth button
- A4. Headphone volume control
- A5. Mic (Transmitter) / Feed (Interpreter O/I) button
- A6. Mic level control
- A7. OLED Display
- A8. Menu / Set jog dial
- A9. Aux (Transmitter) / Feed Thru (Interpreter O/I) button
- A10. Aux-in level control

B Rear panel

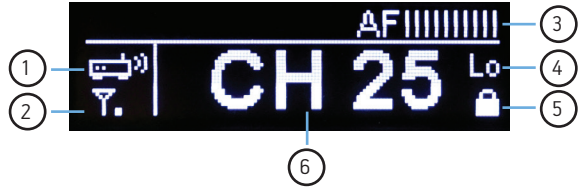


- B1. Rod antenna (TNC connector)
- B2. Bluetooth sensor
- B3. 6.3mm daisy chain output
- B4. 6.3mm daisy chain input
- B5. RCA mix output
- B6. RCA aux input
- B7. Combo input (XLR/6.3mm)
- B8. Switch setting (Line/Mic/Phantom)
- B9. Uploading port (not activated)
- B10. DC jack
- B11. Cable clamp

Display overview

C Standby screen

- C1. Mode
 - Transmitter (default)
 - Interpreter 0 (to work with okayo's 10-way Language Router LR-10)
 - Interpreter 1
- C2. RF signal power
 - Low (default)
 - Mid
 - Hi
- C3. Audio level
 - Fluctuates with audio signal
- C4. Aux-in level
 - Low
 - Hi (default)
- C5. Channel lock
 - Channel will be locked automatically when the transmitter is on
- C6. Channel number
 - Default channel is CH01. Total channel quantity varies with productversion.

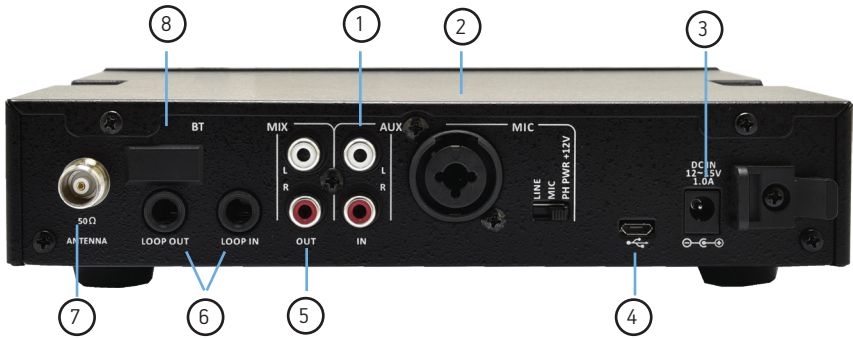


Setting screen



- To enter the setting menu, press and keep pressing the jog dial (AB) when turning the transmitter on.
- Turn the jog dial clockwise to select preferred setting and then press the jog dial again to confirm new selection and return to setting menu.
- To exit the setting menu, select "Save and Exit" and press the jog dial again.

Connecting instruction



1. Connecting appropriate RCA cable with the transmitter
2. Connecting microphone/line with the transmitter. Switch to MIC or Line.
3. Connecting the transmitter with supplied power adapter and fasten the cable well with cable clamp.
4. Compiling channels before operating. (Not active in this model)
5. Connecting the transmitter with active speaker or amplifier.
6. Connecting with next transmitter for daisy chain connection.
7. Connecting the transmitter with supplied TNC rod antenna.
8. Connecting to Bluetooth device, see below.

Bluetooth connection

Push the BT button in the front panel to activate the Bluetooth option. When the BT button is flashing blue the Digi RS-ST transmitter is "discoverable" for any Bluetooth device you may want to connect – smartphone, laptop, tablet etc. Make sure that Bluetooth is activated on your device and find the transmitter ("DST 07") in the list of available BT signal sources in your device (Settings/Connection/Bluetooth). Select the DST 07 device in the list and the BT button will light steadily blue. The connection is now established. To transmit the BT signal, the "Feed thru" option must be selected. This is done by pushing the Feed thru button (A9) to ON position (LED lights green).

Note! As the Digi RS system is mainly designed to capture speech and enhance speech intelligibility for hearing impaired, music may not sound as full as in the original sound source. This is normal and not a fault.

Operating instruction

Mode: Transmitter

- **Turn the transmitter on**

Press the power button for 1 second to turn the transmitter on.

- **Unlock the channel**

Channel will automatically be locked when the transmitter is on. Press and keep pressing the jog dial until lock symbol disappears. Then, turn the jog dial clockwise to select preferred channel number which will be locked when the jog dial is pressed again.

- **Check channel frequency**

Press the jog dial shortly when the transmitter is in standby to check the frequency of selected channel.

- **Monitor audio via headphones**

Connect 3.5mm headphones or headset mic and tune the volume control at appropriate position to monitor audio on the transmitter. **Note!** All audio signals except mic-in can be monitored.



CAUTION! Listening at high volume for long periods may damage your hearing.

- **Activate mic/aux function**

Press the mic/aux button to activate or deactivate the function. Tune the mic/aux level to appropriate position via the control. **Note!** When headset mic is in use, make sure mic volume is appropriately adjusted in addition to aux volume.

- **Turn the transmitter off**

Press the power button for 2 seconds to turn the transmitter off.

Advanced operation (Mode: Interpreter 0/I)

In addition to standard mode (Transmitter), two additional modes (Interpreter 0 and Interpreter 1) are also available. For multi language (more than 2) an optional language router LR-10 is required (order item).

- **Interpreter 1 (manual)**

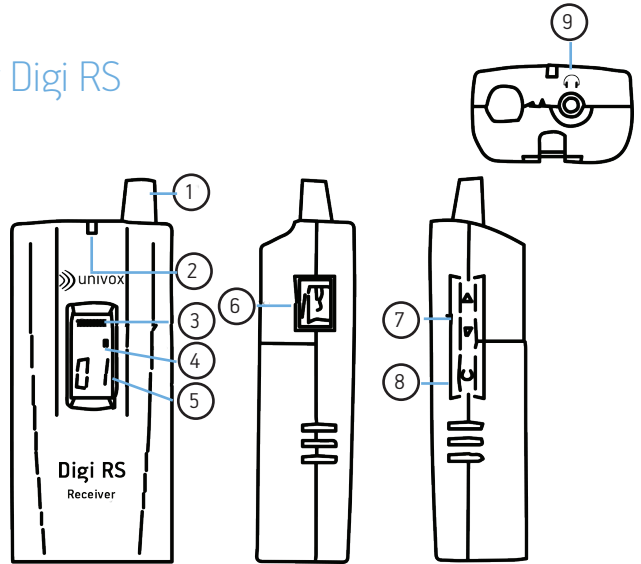
If only 1 or 2 language interpretation is required, the product can be manually operated with the Feed or Feed Thru switch.

- **Interpreter 0 (automatic)**

Connect it with 10-way language router LR-10 (order item) when this mode is selected. Both Feed and Feed Thru button will automatically be activated during the operation of language router LR-10.

Compatible receiver Digi RS

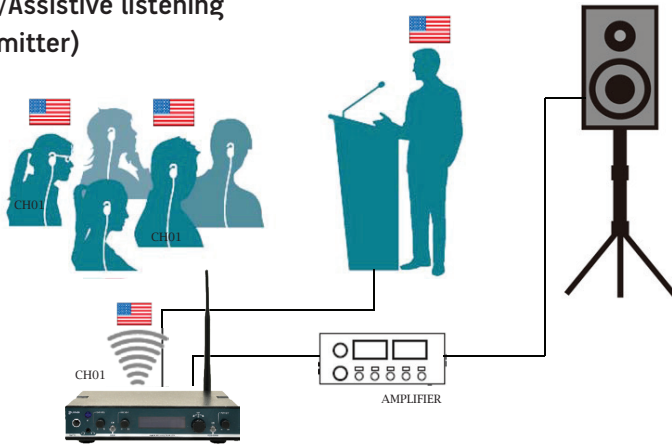
Interface



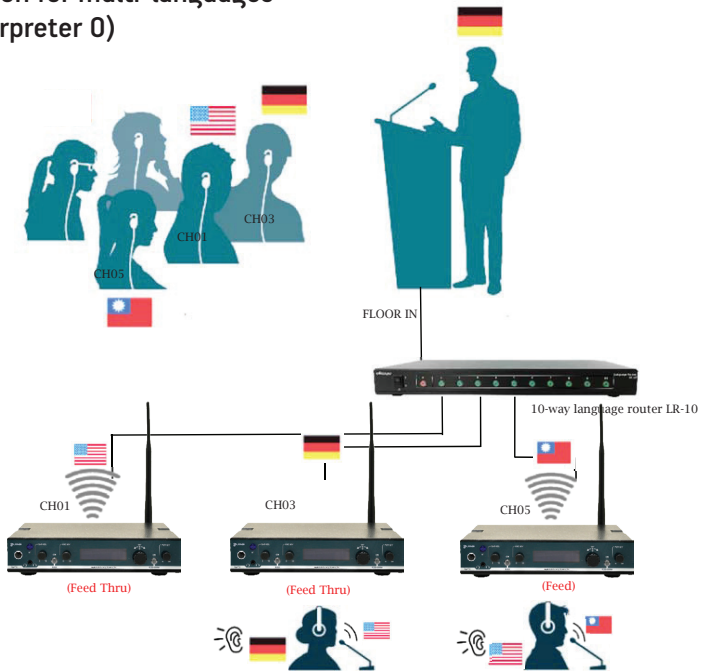
1. External antenna
2. Power/Signal indicator
 - Steady blue: Signal is received with full power
 - Steady red: Signal is received but battery is running low
 - No LED: No signal is received
3. Battery status
4. Channel lock
 - To release the receiver from lock mode, press both up and down (7) buttons simultaneously until lock symbol disappears.
5. Selected channel
 - When the receiver is in unlock mode, press the up or down button (7) to select same channel as that of the transmitter's. Press power/set button (8) again or leave it for 5 seconds to confirm the newly selected channel.
6. Volume wheel
7. Up/Down buttons
8. Power/Set button
 - Press and hold this button for 1 second to turn the receiver on.
 - Press and hold this button for 2 seconds to turn the receiver off.
9. Earphone jack

Application

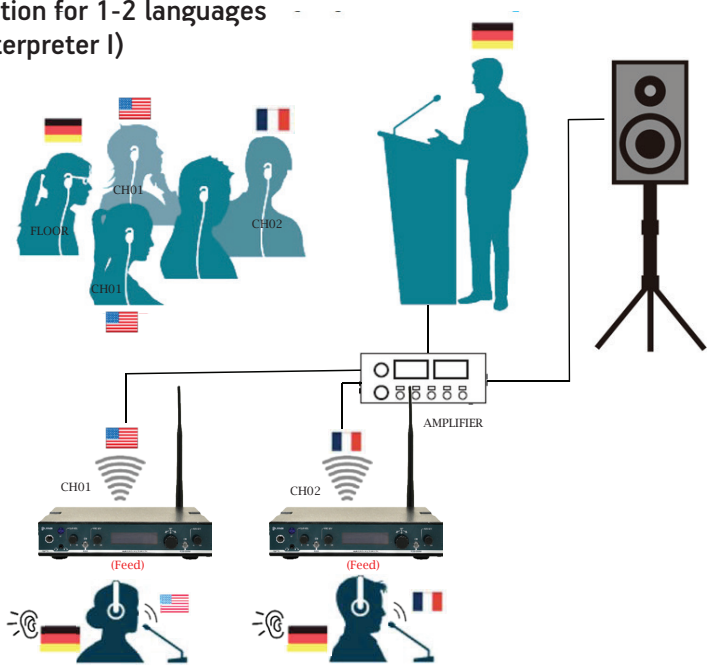
Conferencing/Assistive listening (Mode: Transmitter)



Interpretation for multi-languages (Mode: Interpreter 0)



Interpretation for 1-2 languages (Mode: Interpreter I)



Troubleshooting

Why can't I turn the transmitter on?

- Check if the transmitter is connected to power.

Why can't I hear anything from the bodypack receiver?

- Check if the bodypack receiver is turned on.
- Check if selected channel on both transmitter and receiver is the same.
- Check if the volume of the bodypack receiver is tuned at appropriate level.
- Check if the bodypack receiver is located within the operation range of the transmitter.

Why can't the transmitter send audio signal?

- Check if the input signal is properly connected to the transmitter.
- Check if the mic/aux level is tuned at appropriate level.

Why is the operation range shorter?

- Check if the attached antenna is properly connected.
- Check if the audio level is adjusted correctly.
- Adjust the RF power in the setting menu.

Safety



The installer is responsible for installing the product in a way that may not cause risk of fire, electrical malfunctions or danger for the user. Do not cover the unit or the power adapter. Only operate the unit in a well ventilated, dry environment.

Do not remove any covers as there is a risk of electric shock. Use only the power adapter supplied with the unit.

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

Under normal circumstances the product does not need any special maintenance.

Should the unit become dirty, wipe it with a clean damp cloth. Do not use solvent or strong detergents.

Warranty

Product is covered by 1 years warranty.

The equipment should be installed following the instructions contained within this document. The product warranty doesn't cover failure caused by tampering, carelessness, improper handling or maintenance.

Service

In case of failure, if the product should not work properly after the troubleshooting has been performed, please contact your local distributor for further instructions.

Refer all servicing to qualified service personnel only. If the product is sold by Bo Edin AB, please contact support@edin.se.

Environment



To prevent possible harm to the environment and human health, please dispose of the product responsibly by following statutory disposal regulations.

Technical data

Carrier frequency range	821-832 and 863-865MHz (full spectrum 510~937MHz, country dependent)	
Channels	32	
RF output power (country dependent)	Hi: 20 ± 2dBm Mid: 15 ± 2dBm Lo: 10 ± 2dBm	
Antenna	TNC connector	
Headphone output	0.5W@32Ω	
Inputs	Mic in: 6.3mm /XLR Aux in: RCA Daisy chain connection: 6.3mm	Sensitivity: 17 mVrms–2 Vrms Sensitivity: 700mV
Outputs	Headset out: 3.5mm, stereo Aux out: RCA Daisy chain connection: 6.3mm	
Wireless range	>100m (open field, low output power)	
Power requirements	100-240VAC/12VDC; 1A switching power supply	
Dimensions	(LxWxH) 215x210x50mm	
Weight	1.25kg	

Univox by edin, the world's leading authority and producer of high quality hearing loop systems created the first true loop amplifier in 1969. With our strong emphasis on research and development, we have continued to innovate to deliver more firsts in the industry, constantly improving the performance of our products and service for hard of hearing communities worldwide.

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Hearing excellence since 1965

