

Unite TP

Digital Bodypack Transmitter



Description

The Unite TP bodypack transmitter is used in conjunction with the Unite RP or RP-T bodypack receiver for guided tours.

A use as a wireless microphone system for optimised speech applications is also possible. Transmitter and receiver can also be used for multilingual interpretation applications as well as for assistive listening applications.

The Bluetooth® interface is for use with smartphones, PC or Mac computer to play external audio material.

Outside, the operating range is up to 300 m when the transmitter and receiver are in line of sight.

The transmitter can either be attached to clothing with the belt clip or worn around the neck with a neck strap.

The ergonomic design and the arrangement of the control elements ensure simple and intuitive operation.

A microphone can be connected to the 4-pin mini XLR socket depending on the requirements. The mute button allows muting the microphone for any short conversation. In this way unintentional listening of third parties is avoided. The Unite TP bodypack transmitter also has an integrated microphone e.g. for short conversations with a second guide.

Thanks to its integrated digital signal processor (DSP), it is possible to both automatically adjust the microphone amplification and block out background noise. Furthermore, the device has a menu with numerous setting options.

The line-in jack allows connecting an external player so that pre-formulated texts or music can be played.

The transmitter can also be used as an external sound card (input/output) when connected via the USB port on a computer.

The OLED display provides a brilliant, easy-to-read display of channel, battery status and various menus.

The transmitter is powered by an integrated lithium-ion battery pack.

The transmitter meets the requirements for accessibility due to raised symbols on the control buttons and braille on the mute button.

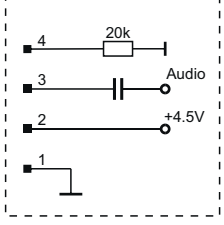
All devices are supplied with a predefined group ID and fixed audio encryption, allowing quick and easy setup. This allows for quick and easy initial use. The group ID identifies devices that can be placed in a virtual group, for example all devices within a building, a tour group or a conference room. The transmitter will only transmit the audio signal to a channel with a predefined channel name. If there are several transmitters in a group, the channel for the respective transmitter can be selected on the receiver. You will need to establish a pairing if you require several device groups or secure audio transmission that cannot be intercepted by another group using Unite devices.

Features

- » Compact design
- » DECT technology for worldwide use without registration and free of charge
- » Bluetooth® interface
- » High security against unauthorised listening due to AES-256 encryption
- » Bi-directional transmission of audio signals
- » On-off and menu button
- » Multifunction button
- » Volume button for connected headphones, headset, induction loop
- » Integrated microphone
- » Mute button for microphone
- » Operation with integrated lithium ion battery
- » Operation time > 15 hours
- » Status indicator (LED) for operating and charging status
- » OLED display to indicate the channel name, battery status and different menus
- » Line-in connection for external players via mini stereo jack (3.5 mm)
- » Connection for external microphone, 4-pin mini XLR socket
- » USB connection, type C – audio input/output for audio interface with a computer and charging
- » Charging contacts
- » Belt clip to attach to clothing
- » Removable neck strap for wearing around the neck

Specifications

| | |
|-----------------------------|---|
| DECT radio frequency range: | |
| • EU (Europa) | 1,880 to 1,900 MHz |
| • NA (Nord Amerika) | 1,920 to 1,930 MHz |
| • JP (Japan) | 1,893 to 1,906 MHz |
| DECT transmission power | Up to 250 mW (peak), depending on the country |
| DECT operating range | Up to 300 m outside (line of sight); the actual operating range depends upon the RF output settings, the surroundings, the signal absorption, signal reflection and signal interference |
| DSP functions | <ul style="list-style-type: none"> • Automatic level control (ALC) • Noise gate • Noise canceller • Compressor • Equalizer • Low-cut filter • Ducker |
| Latency | Master (broadcast): <ul style="list-style-type: none"> • HD: 22 ms • SD: 18 ms Sub-master (to the master): <ul style="list-style-type: none"> • HD: 17.5 ms • SD: 13.5 ms |
| Audio bandwidth: | |
| • Low quality (SD) | 50 Hz - 7 kHz (-3 dB) |

| | |
|--|---|
| • High quality (HD) | 50 Hz - 14 kHz (-3 dB) |
| Operating mode | Broadcast and/or full-duplex on all routes |
| Encryption | AES-256 encryption |
| Headphone/headset/induction loop connector | 4-pin mini jack, 3.5 mm, CTIA Standard |
| Microphone connector | 4-pin mini XLR jack, male (4.5 V bias voltage, Televic TG pin assignment)  |
| Integrated microphone | Yes |
| Line-in | Mini jack, 3.5 mm, max. -6 dBV / 0.5 V RMS |
| Display | Monochrome white OLED display with high contrast |
| Max. number of open microphones | 3 (individual level control for each microphone) |
| Battery | Lithium-ion battery pack BAT-3707 3.7 V / 1880 mAh / 6.96 Wh Replaceable by service staff only |
| Battery monitoring | Battery status of remaining capacity via OLED display |
| Operating time of battery pack | 13 hrs., typ. |
| Side-tone and microphone gain | Individually adjustable |
| Bluetooth® | V4.2 (HFP - Hands-Free-Profile, A2DP - Audiostreaming) |
| USB Type C connector | USB 2.0/3.0 standard, compatible to 5 V power supplies only, power consumption max. 500 mA |
| Strap anchor points | Available, neck strap removable |
| Dimensions (W x H x D) | 58 x 102 x 15.5 mm |
| Weight (incl. battery) | 105 g |
| Temperature range: | |
| • Charging | 0 to +35 °C / +32 to +95°F |
| • Operation | -10 to +40 °C / +14 to +104°F |
| • Storage | -20 to +50 °C / -20 to +122°F |
| • Relative humidity | 0 to 90% |

Versions

- » **Unite TP (EU) - Ref. 71.98.4010:** DECT band Europe (1,880 - 1,900 MHz)
- » **Unite TP (NA) - Ref. 71.98.4011:** DECT band North America (1,920 - 1,930 MHz)
- » **Unite TP (JP) - Ref. 71.98.4012:** DECT band Japan (1,893 - 1,906 MHz)

Supplied Accessories

- » Unite TP bodypack transmitter with mounted belt clip
- » Neck strap
- » Two spare caps for the mute button

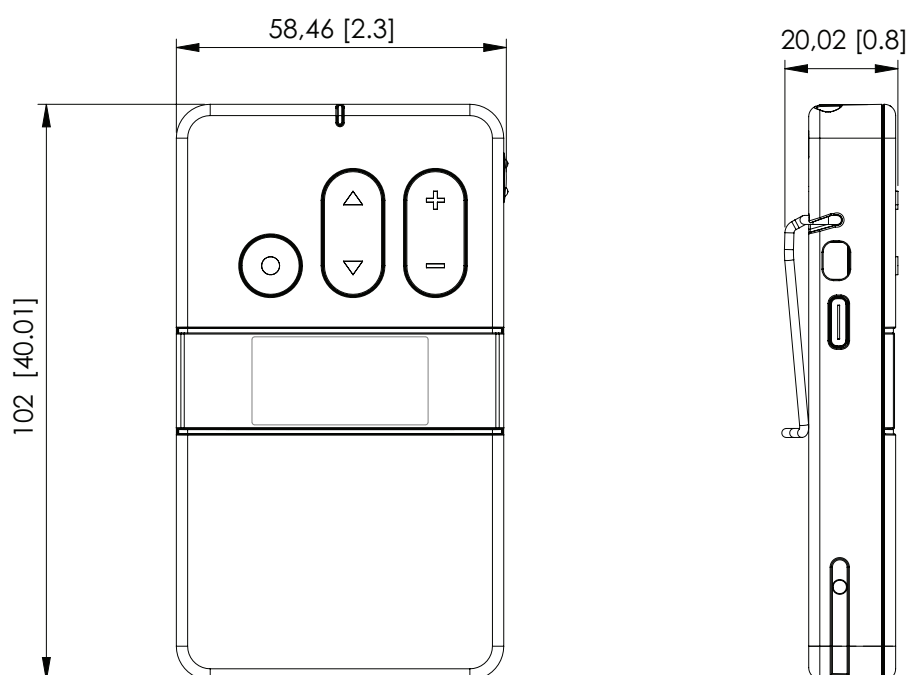
Optional Accessories

- » **DT 287 - Ref. 71.04.0163:** Headset, 80 Ω, with cardioid condenser microphone
- » **TG H56 - Ref. 71.04.0158:** Ominidirectional mini condenser headset microphone, black, with 4-pin mini XLR connector
- » **TH H34 - Ref. 71.04.0157:** Neckworn microphone, black, with flexible goosebeak
- » **HSP 321 - Ref. 71.04.0162:** Single ear headset, black, with noise-cancelling electret condenser microphone

NOTE ON TRADEMARKS

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Dimensions in mm and [inches]



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