

Unite TP

Digital Bodypack Transmitter

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 and charging
- Charging contacts
- Belt clip to attach to clothing
- Removable neck strap for wearing around the neck



APPLICATIONS

The Unite TP bodypack transmitter is used in conjunction with the Unite RP 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 or to output audio signals.

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.

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

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.

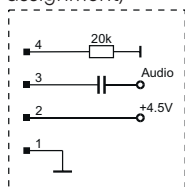
All devices are supplied with a predefined group ID and fixed audio encryption allowing quick and easy setup. This allows for quick and easy initial use. The group ID identifies devices that can be placed in a virtual group. For example, all devices within a building, a tour group or a conference room. 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.

Unite TP

TECHNICAL SPECIFICATIONS

DECT RF frequency range 1880 - 1930 MHz,
depending on the country
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

Audio bandwidth
Low quality (SD) 200 Hz - 7 kHz (-3 dB)
High quality (HD) 100 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,
beyerdynamic 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,
replaceable by service
staff only
Battery monitoring Battery status of
remaining capacity via
OLED display
Operating time of
battery pack > 15 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
Operation -10 to +40 °C
Storage -20 to +70 °C
Relative humidity 0 to 90%

VERSIONS

Unite TP Digital bodypack transmitter,
EU version, with OLED display,
intergrated microphone, mute button
headset jack (3.5 mm), microphone
connection mini XLR, Bluetooth,
Line-in jack (3.5 mm) USB-C,
integrated Li-ion battery,
incl. belt clip,
neck strap Order # 710.709
Unite TP (NA) same as above, but version
for North America Order # 739.294
Unite TP (JP) same as above, but version
for Japan Order # 739.340

SUPPLIED ACCESSORIES

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

OPTIONAL ACCESSORIES

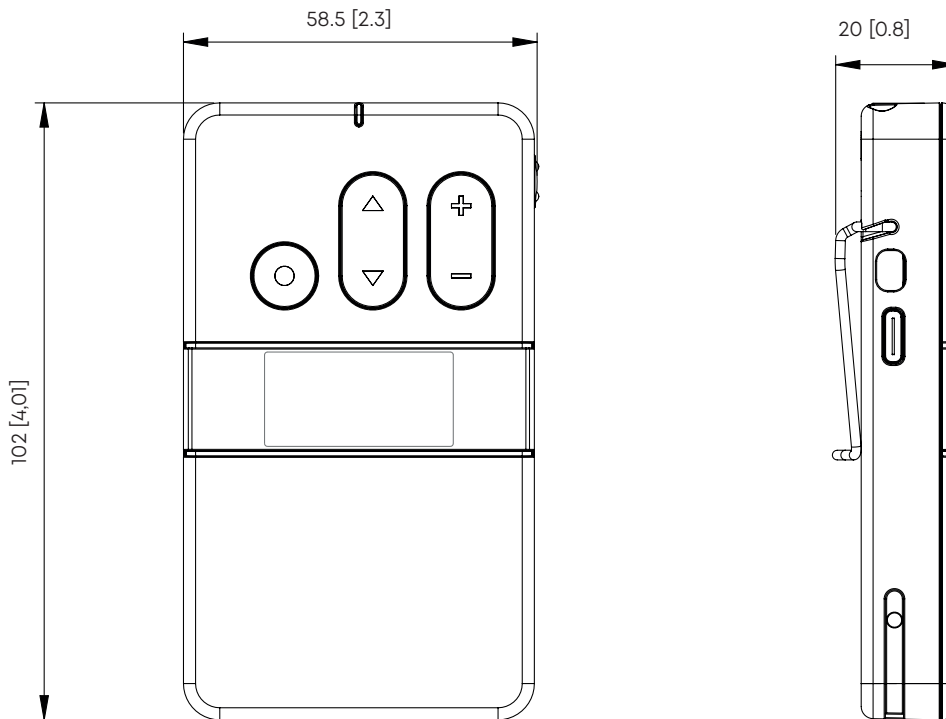
DT 287 Unite Headset, 80 Ω, with
cardiod condenser
microphone Order # 739.472
K 109.25 Connecting cable for DT 287 Unite,
4-pole mini jack plug (3.5 mm)
(CTIA standard), to connect to
smartphones and Unite... Order # 739.480
TG H56 (TG) Ominidirectional mini condenser
headset microphone,
black, with 4-pin mini XLR
connector Order # 705.888
TG H56 tan (TG) same as above, but beige . Order # 705.853

Charger

Unite CC-24P Charging case for Unite bodypack
transmitters and receivers,
max. 24 charging
compartments Order # 670.464

Unite TP

DIMENSIONS



All dimensions in mm and [inch].

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For further distributors worldwide, please go to www.beyerdynamic.com
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