EN

the t.bone
Tour Guide Talkback Receiver

Quick Start Guide
This quick start guide contains important information on the safe operation of the product. Read and follow the safety advice and instructions given. Retain the quick start guide for future reference. If you pass the product on to others please include this quick start guide.

Safety instructions

Intended use
This device is used to receive radio signals and transform them into acoustic signals. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

Danger for children
Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard! Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke! Never let unattended children use electrical devices.

Possible hearing damage
When earphones are connected, the unit can produce volume that may cause temporary or permanent hearing impairment. Do not operate the device continuously at high volume. Turn down the volume immediately if background noise or hearing failure should occur.

Incorrect handling of lithium batteries can result in injury
- In the event of a short circuit, overheating or mechanical damage, lithium batteries can cause severe injuries.
- When handled correctly and appropriately lithium batteries pose no risk.
- Store lithium batteries in a cool, dry place, ideally in the original packaging.
- Store lithium batteries away from heat sources (e.g. radiators or sunlight). Lithium batteries are hermetically sealed. Never attempt to open a lithium battery.
- If the battery housing is damaged small amounts of the electrolyte may leak out. If this should happen, seal the lithium battery in airtight packaging and wipe up the traces of electrolyte using absorbent paper towels. You must wear protective rubber gloves when doing so. Clean your hands and the affected surface thoroughly with cold water.
- Never attempt to recharge non-rechargeable lithium batteries. When charging lithium batteries you must use a suitable charging device intended for the purpose.
- Before disposing of the device remove the lithium batteries. Protect used lithium batteries against potential short circuits, e.g. by covering the poles with adhesive tape.
- Only use powder extinguishers or other suitable extinguishing agents to extinguish a burning lithium battery.

Possible damage to lithium-ion batteries through incorrect storage
By deep discharge, lithium-ion batteries can be permanently damaged or lose some of their capacity.
Before long breaks, charge the batteries to around 50 % of their capacity and then switch off the device. Store the device at room temperature or cooler in an environment as dry as possible. If the batteries are stored for a longer period, recharge them to 50 % every three months.
Fully charge the batteries only shortly before use at room temperature.

Where to use the product
Never use the product
- in direct sunlight
- in conditions of extreme temperature or humidity
- in extremely dusty or dirty areas
- at locations where the unit can become wet
- near magnetic fields

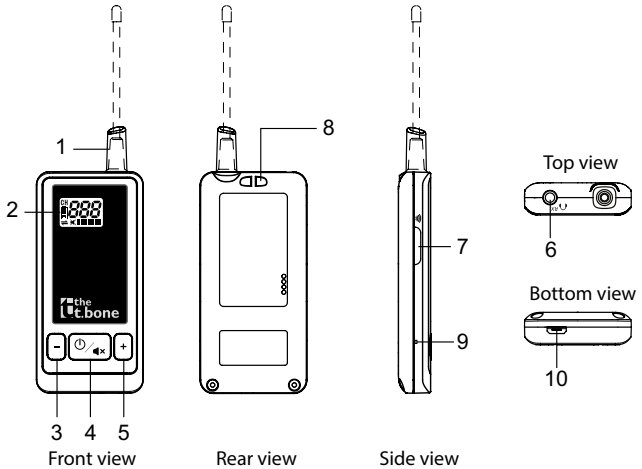
General handling
- To prevent damage, never use force when operating the switches and controls.
- Never immerse the appliance in water. Just wipe it with a clean dry cloth. Do not use liquid cleaners such as benzene, thinners or flammable cleaning agents.

Electromagnetic compatibility with other electrical equipment
Using the device near radios or TV sets may cause interference. Then increase the distance between the devices.

Keep foreign substances from the unit!
Keep the device away from containers with liquids. Should any liquid get into the unit, this could lead to its destruction or fire. Be sure not to let any metal objects into the unit.

Features
- Guide system receiver, system component with return channel (switchable)
- 20 switchable channels in the UHF range 863 - 865 MHz
- Automatic synchronization of all receivers in a group
- LCD display
- Built-in lithium-polymer battery, micro-USB charging port
- 3.5 mm mini jack socket for earphones
- Built-in microphone for queries
- Including earphone and lanyard
- Not compatible with t.bone Tour Guide Mini transmitters / receive

Operating elements



1. Antenna
2. LCD display
3. Channel selection / volume down
4. On / off switch / Mute / Calling up setting parameters
5. Channel selection / volume up
6. Earphone connection
7. Switch for 2-way communication
8. Eyelet for lanyard
9. Forced shutdown switch
10. Micro USB charging port

Display

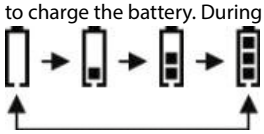
CH 001	Channel change		100 % battery charge level
	Mute		70 % battery charge level
	Volume value 5		30 % battery charge level
	2-way communication on / Earphone volume value 4		10 % battery charge level
	2-way communication on		No signal is received

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Using the device

1. Use an appropriate USB charging station to charge the device (e. g item no. 386332, not included). A full charge of the built-in battery takes about 7 hours and allows operation for about 17 hours.
2. Connect the earphones to the 3.5 mm mini jack socket (6).
3. Keep the on / off button (4) pressed for two seconds to turn the unit on. The display (2) lights up and indicates the last used transmission channel.
4. To select another channel keep the + / – buttons (5, 3) simultaneously pressed for two seconds. The CH indicator flashes on the display. Use the + / – buttons to select the desired channel.
5. To confirm the selection, briefly press the on / off button (4) or wait five seconds for the unit to save the new channel automatically. The CH indicator stops flashing. The receivers in a group are synchronised automatically.
6. The volume level is set to 4 by default. Eight levels between (mute) and (full) can be set. To increase the volume press the + button (5), to reduce it press the – button (3). Briefly press button 4 to mute the device. Then the icon appears on the display.
7. When the battery is fully charged, the display shows . When this icon is flashing, only 10 % battery power are remaining and you need to charge the battery. During charging, this icon appears:



8. The unit turns off during charging. To use it during charging, keep the on / off button (4) pressed for two seconds to turn the unit on.
9. The unit automatically turns off after 20 minutes without input signal. To turn the device off manually, keep the on / off button (4) pressed for two seconds.
10. If the device does not work as described here, press the switch for forced shutdown (9) for 1 second with a pointed object. The device turns off. Then turn the device back on.

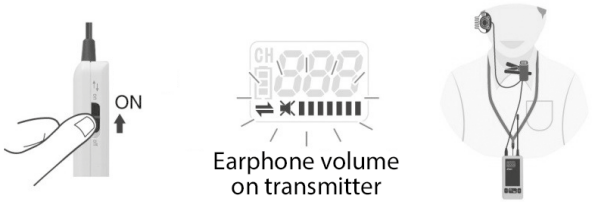
Two-way communication

The two-way function between transmitter and receivers is activated on the transmitter. As the transmitter transmits, multiple receivers may enter. The transmission signal is reproduced by all receivers within a group.

At the transmitter

Slide the two-way communication switch (7) on the side of the transmitter to the ON position on off. The two-way communication icon appears on the transmitter display, and both the speaker icons and the level meter display begin to flash. The level meter display now shows the earphone volume of the transmitter. Press the + / – buttons (5, 3) to increase or decrease the volume.

Make sure the microphone volume is set as desired before enabling two-way communication.

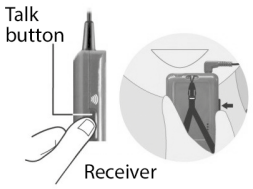


Slide the two-way communication switch to the OFF position to disable two-way communication.

At the receiver

To make announcements, press and hold the talk button on the side of the receiver while talking into the built-in microphone. After your announcement, release the talk button so that the next person can speak.

Pressing the talk button twice in quick succession will put the receiver in permanent talk mode and prioritize it in front of the other receivers. Now the talk button does not have to be pressed during the announcement. Press the talk button to cancel this mode.



Technical specifications

NF frequency response		20 Hz - 3 kHz
Audio sampling rate		8 kHz 16 bit
Dynamic range		> 80 dB
Signal-to-noise ratio		> 50 dB
Modulation		GFSK
Latency		35 ms
Frequency of operation		863 - 865 MHz
Power supply		5 V ⎓ micro USB
Housing colour		Black
Battery	Type	Lithium-polymer battery
	Voltage	3.7 V
	Capacity	1300 mAh
	Operating time	17 h
	Charging time	7 h
Dimensions (W × H × D)		40 mm × 82.6 mm × 12 mm
Weight		< 50 g
Ambient conditions	Temperature range	0 °C ... 40 °C
	Relative humidity	20 % ... 80 % (non-condensing)

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling. Ensure that plastic bags, packaging, etc. are properly disposed of. Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Batteries must not be thrown away or incinerated; they must be disposed of in accordance with local regulations for the disposal of hazardous waste. Use the existing collection points for this.
Dispose lithium batteries only in discharged condition. Remove replaceable lithium batteries from the device before disposal. Protect used lithium batteries from short circuits, for example by covering the poles with adhesive tape. Permanently installed lithium batteries must be disposed of together with the device. Please inquire about a suitable acceptance point.

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose of your old device with your normal household waste. Dispose of this product through an approved waste disposal firm or through your local waste facility. Comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.