

# CT-Multi-PTT Bluetooth

## Operation Instructions



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**English- USA - Canada**

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## 1 Warning - and Safety instructions

Notice for the use of the device for prevention of personal injury or property damage the national safety and accident prevention regulations and the following warning and safety instructions in this instruction manual.

The following information-, warning- and safety symbols can be used:

<b>INFORMATION</b>	This symbol indicates important information.
<b>Notice</b>	This symbol indicates a possibly dangerous situation. Non-observance of the safety instruction could cause damage to property.
 <b>CAUTION</b>	This symbol indicates a possibly dangerous situation. Non-observance of the safety instruction could cause minor or moderate injuries.
 <b>CAUTION</b>	This symbol indicates a possibly dangerous situation through electric current. Non-observance of the safety instruction could cause minor or moderate injuries.
 <b>WARNING</b>	This symbol indicates a potential situation of danger. Non-observance of the safety instruction could cause death or extremely severe injuries.
 <b>WARNING</b>	This symbol indicates a potential situation of danger through electric current. Non-observance of the safety instruction could cause death or extremely severe injuries.
 <b>DANGER</b>	This symbol indicates imminent danger. Non-observance of the safety instruction could cause death or extremely severe injuries.
 <b>DANGER</b>	This symbol indicates imminent danger through electric current. Non-observance of the safety instruction could cause death or extremely severe injuries.

***All warning and safety symbols may include pictograms, calling the attention clearly to the danger involved.***

### 1.1 General safety instructions



Before using CeoTronics products read completely the appropriate operating instructions. If in doubt, ask our technical staff.

#### **Notice**

Keep these operating instructions for later use.

If repair work of any kind needs to be done to CeoTronics products, arrange for it to be performed only by the company CeoTronics or by a specialized workshop that is

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authorized by CeoTronics. In all other cases, our warranty and liability for the product shall lapse.

Keep CeoTronics products out of the reach of children and any other persons who are not familiar with the handling and operation thereof.

CeoTronics products may only be used for the specific application envisaged.

**Product damage!**

Do not immerse a CeoTronics product into water, if it is not expressly specified for this purpose.



**Risk of injury!**

When using CeoTronics products that are equipped with connection leads ensure that the latter do not get caught up in operational machinery or wheels!

**Road traffic hazard!**

Do not leave CeoTronics products lying around loose in cars, e.g. on the parcel shelf. Stow these products in a suitable, safe place in the car so that they do not present a danger to you or to other occupants of the car, if emergency braking is effected.

When driving a car, do not use the radio because it may distract you from the other traffic. Never use a CeoTronics product (communication set, insert earphone, inductive receiver etc.) that will impair your hearing.

**Risk of explosion!**

CeoTronics products that are not intrinsically safe (explosion-proof) and therefore have no special explosion-proof designation must never be operated in potentially explosive environments (e.g. when refuelling cars, aircraft etc.). Devices that are not explosion-proof can unintentionally trigger off explosions in such areas!

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## Legal note for operation in the USA

The receiver of the CT-Multi- PTT should be used in the USA only when it is marked as following:

916,5 MHz

## Important Notes for operation of the Transmitter in the USA

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

## 2 Abbreviations and Terms

PTT Push to Talk – Press and hold the button so long as you want to speak.  
Switch between receiving and transmitting

## 3 Scope of delivery

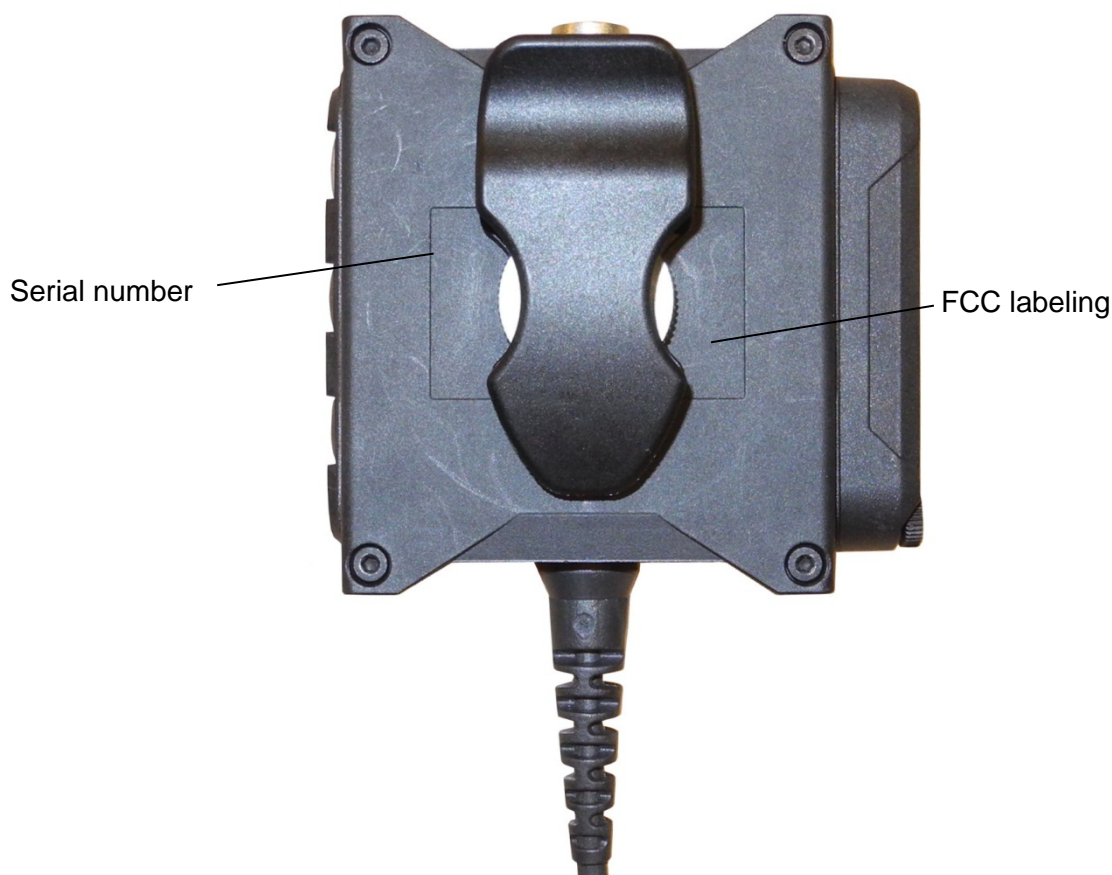
1 x CT-MultiPTT Bluetooth  
1 x CT-Wireless PTT (Option)  
1 x Operating instructions Dok1643

## 4 Labeling of the product

Name of the product CT-MultiPTT Bluetooth

Manufacturer CeoTronics AG  
Adam-Opel-Str. 6  
63322 Rödermark

Figure 1 – Example metal clip



## 5 Product description

### 5.1 Description

The CT-Multi PTT Bluetooth (PTT-Push to talk) provides the possibility of cable connection to a radio and to a cellular phone via the integrated Bluetooth interface. The necessary CT communication set (not part of the scope of supply) is plugged into the corresponding socket.

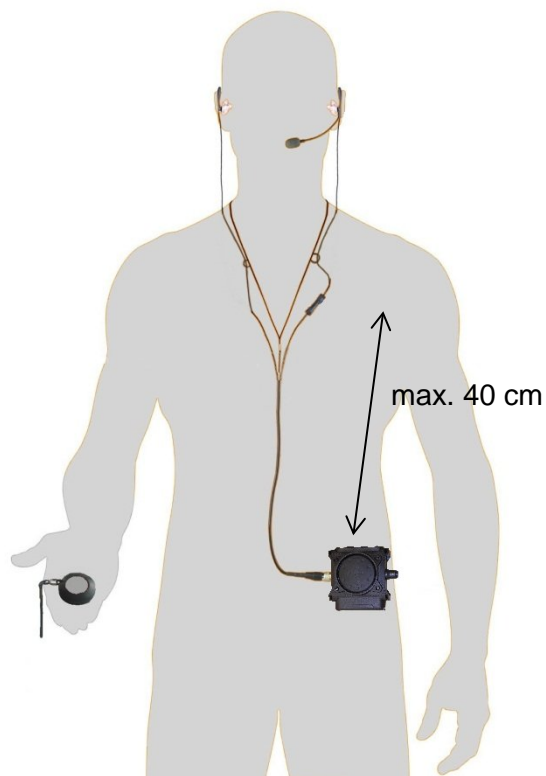
With the CT-Multi PTT Bluetooth, most of CeoTronics communication systems with 12-pin connector can be used on all cellular phones, supporting the Bluetooth Standard.

The CT-Multi PTT Bluetooth can be equipped with a CT-Wireless-PTT.

The CT-Multi PTT Bluetooth provides 128 bit coding.

Bluetooth devices should have a distance of maximum 40 cm from each other (could be more, depending on the particular cell phone) and “visual contact” to ensure a secure Bluetooth connection.

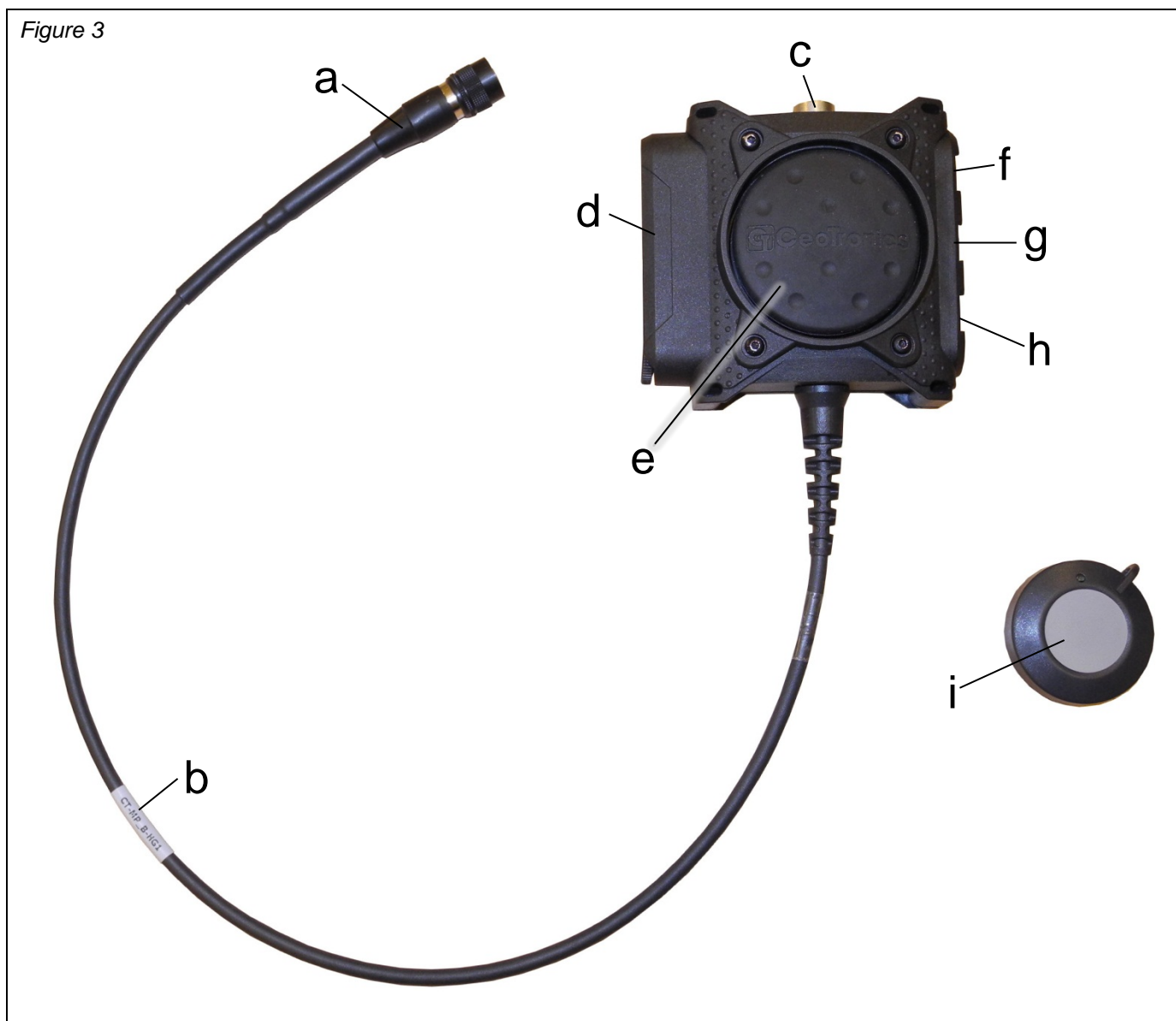
*Figure 2 Example Wearing method*



The CT-Multi PTT Bluetooth complies with the Bluetooth specification 2.1. At some places, there exist restrictions regarding the use of Bluetooth devices. Ask your service provider or the competent authorities.

An AA battery or AA storage battery provides the electrical power. For radio operation, the Bluetooth module must be in switched-on state, even if no cellular phone is used. Normally, switch-on is controlled via radio or by keystroke.

Figure 3



a	Plug for connection to a radio
b	Pasted label with name of device
c	Socket for communication set
d	Battery compartment
e	PTT button
f	Bluetooth control button + storage battery / battery pilot lamp Green, continuous - battery fully charged Green, flashing - battery at half charge Red, flashing - battery almost flat, approx. 30 minutes remaining LED off - device does not switch on, battery/storage battery is flat
g	Volume-up key (in active call – telephone louder)
h	Volume-down key (in active call – telephone softer)
i	CT-Wireless PTT



Figure 4



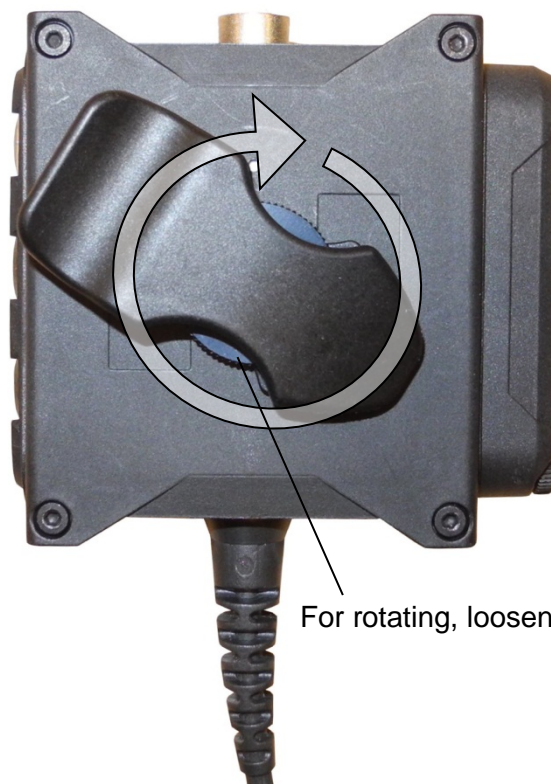
Figure 5



## 5.2 Fixation clamp

The clamp can be rotated 360 °, infinitely variable.

Figure 6



For rotating, loosen the knurled screw

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### 5.3 CT-Multi-PTT Bluetooth with CT-ClipCom Digital

The CT-Multi-PTT Bluetooth is also available with integrated CT-ClipCom Digital technology and firmly attached communication set.

The following two (2) system configurations are available:

**CT-ClipCom Digital EarMike** consisting of an ear microphone and an additional speaker

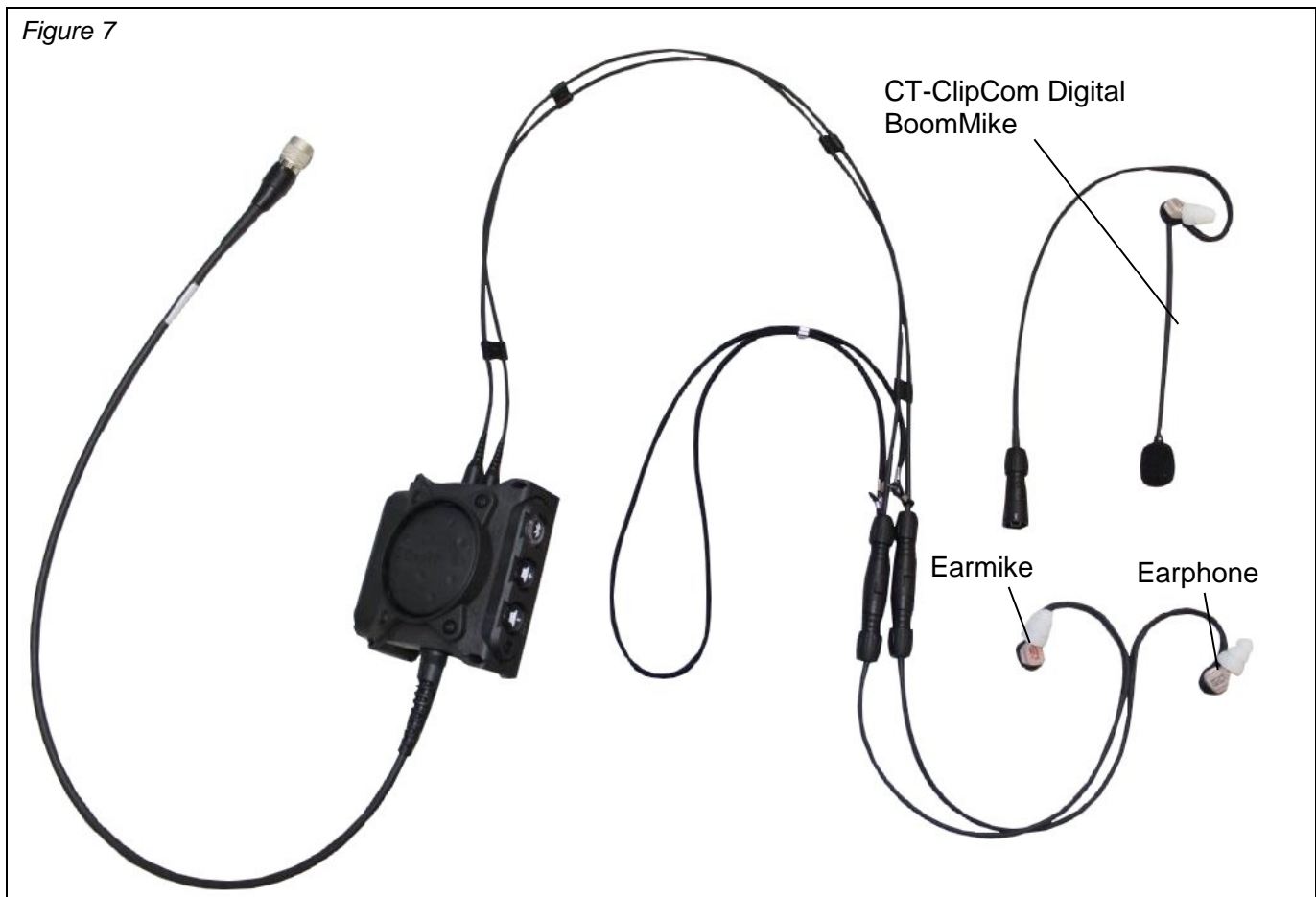
You hear radio messages and the ringing tone of the cellular phone on both sides. If a PTT transmit button is activated or a conversation takes place via cellular phone, the RH ear microphone is switched over from speaker to microphone operation. This deactivates the reception of exterior noise on that ear microphone.

**CT-ClipCom Digital BoomMike** consisting of one earphone with boom microphone and an additional speaker.

While activating a transmit button, the reception of exterior noise continues being active on both sides.

The earmike is an electroacoustic transducer working as both, microphone (transmitting) and earphone (receiving), and is worn inside the ear with earplugs or personalized ear molds. Regarding personalized ear molds, follow the instruction manual Dok1463.

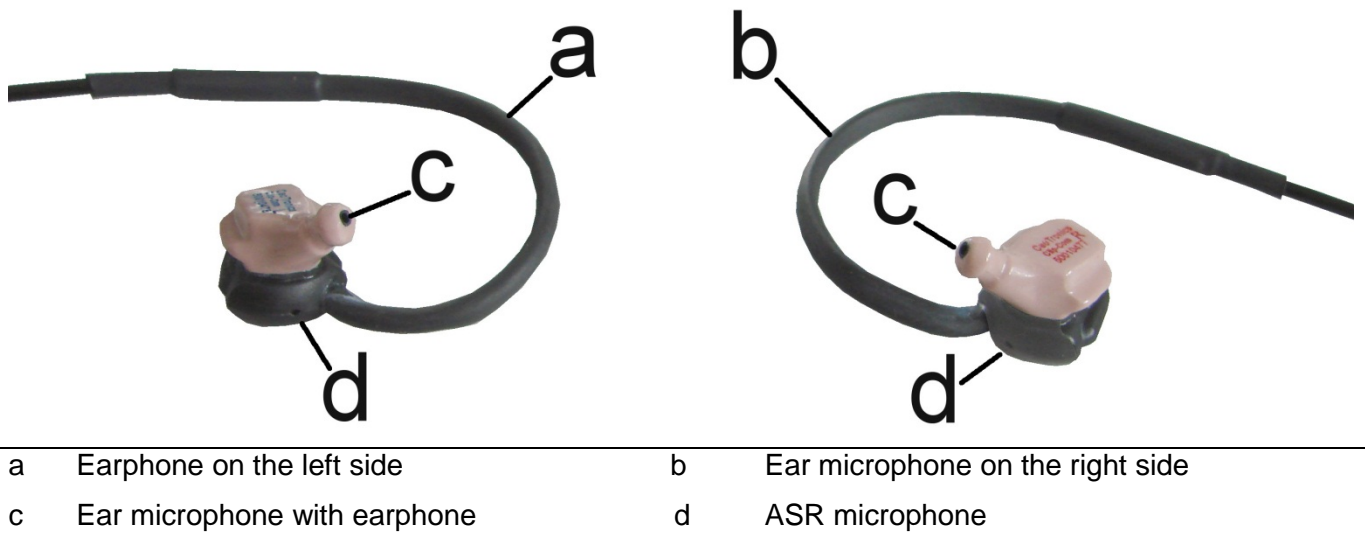
Figure 7



#### 5.3.1 EarMike

The ear microphone is on the right side, marked in red ink. The earphone is on the left side, marked in blue ink. The ear microphone housing contains, in addition to the ear microphone (Figure 8/c) itself, also the ASR microphone (Figure 8/d)

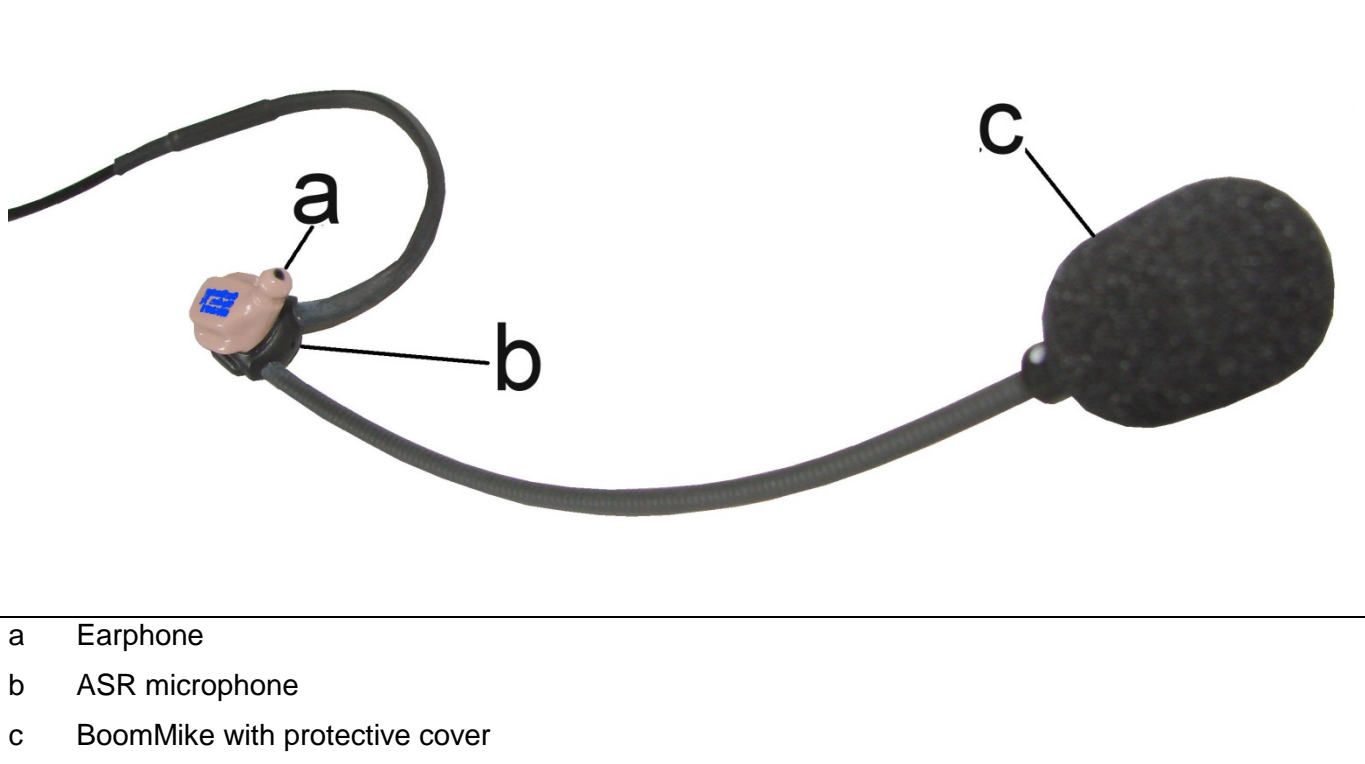
Figure 8



### 5.3.2 Earphone with BoomMike

The earphone with boom microphone is available only for the left ear. Attached to the earphone is the boom microphone with protective cover (Figure 9/c) and the ASR microphone (Figure 9/b).

Figure 9



### 5.3.3 Use with standard ear plug

Figure 10

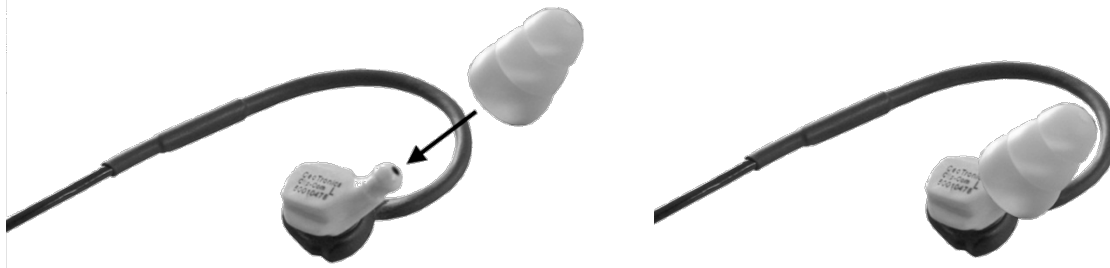


Figure 11



Figure 12



The standard earplug is used for adaptation of the ear microphone / earphone to the auditory canal. It is »pushed« with a rotating motion onto the ear microphone / earphone (Fig.10). If no perfect seat inside the ear is achievable, because the standard earplug is too large, the largest lamella ring can be cut off with a sharp knife (figure 10-12).

## 6 Preparing the Product for Use

### 6.1 Receipt of Goods

#### INFORMATION

Check incoming goods immediately upon receipt for completeness and/or transport damage!  
Inform the transport company and CeoTronics AG immediately of any transport damages!

#### ⚠ DANGER

#### **Risk of swallowing and choking!**

Keep packing material, e.g. filler materials und plastic bags, out of the reach of children; they are no toys!

Dispose of packing materials environmentally responsible!

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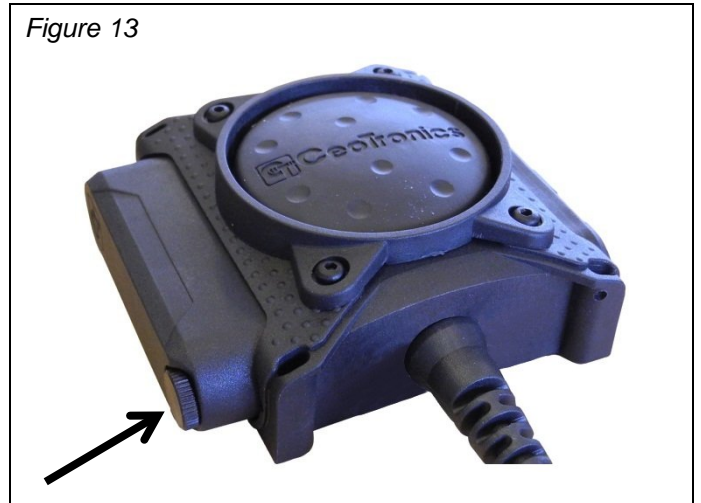
## 7 Operating Instruction

### 7.1 Change of the battery

#### 7.1.1 Change of the battery – CT-Multi PTT Bluetooth

1. Open the battery compartment by loosening the knurled screw.

Figure 13



2. Remove and replace the rechargeable battery / battery from the battery compartment.  
When inserting observe polarity.
3. Fix the cover of battery compartment again at the PTT-button.

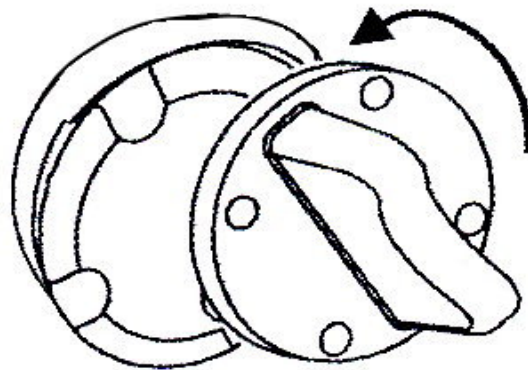
Figure 14



### 7.1.2 Change of the battery in the CT-Wireless-PTT

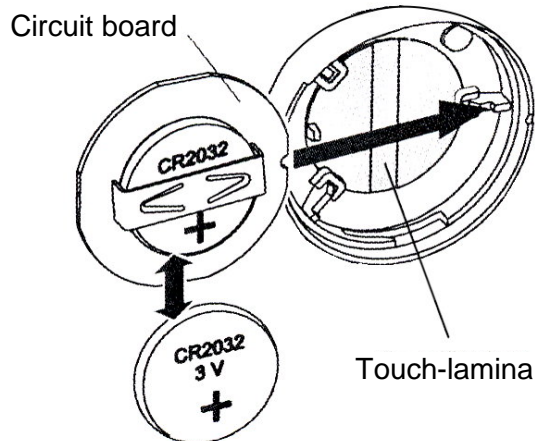
1. Open the battery compartment at the back of the CT-Wireless-PTT with help of the special tool by short turn to left.

Figure 15



2. Remove the circuit board careful from the housing. Change the battery and pay attention to the correct position; the lettering must be visible. Use only the 3 V batteries type CR2032.

Figure 16



#### Notice

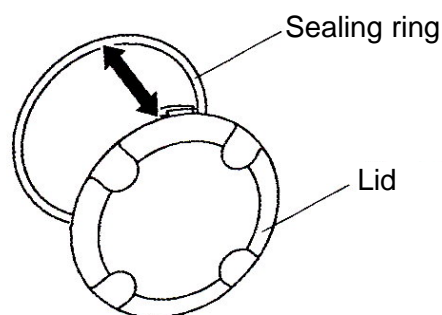
**Pay attention to the correct polarity.**



Do not throw used (defective) storage batteries into the domestic refuse.

3. When closing the CT-Wireless-PTT insert, if needed, a new gasket under the cover edge. Put the hooks of the cover in the rail of the housing and close the cover with a twist to the right. Pay attention that the cover fits tight with the housing.

Figure 17





## 7.2 Connect the CT-MultiPTT Bluetooth to the radio

### 7.2.1 12-pin connector

#### Notice

#### Damage to connectors, sockets and/or cables

Observe the following instructions when handling plug-in connections.

Normally, the 12-pin connector is used in combination with radio adapters. For it, the adapter is attached to the radio and the 12-pin connector itself plugged into the radio adapter.

Turn the radio off, if it is turned-on. Plug the 12-pin connector into the radio adapter.

To do so, grab the connector behind the grooved sliding collar and put it on the socket.

Rotate the connector cautiously on the socket until it starts sliding into it (Figure 18).

Now, push the connector into the socket until the sliding collar snaps into place in direction of the arrow, locking the connector.

To unlock the plug-in connection, grab the connector at the grooved sliding collar only and pull the connector cautiously out of the socket (Figure 19).

Figure 18 - Locking



Figure 19 - Unlocking



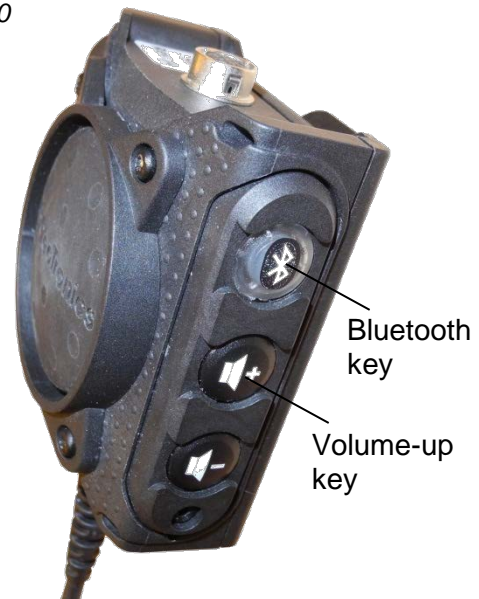
### 7.3 Switch-on

Press simultaneously Bluetooth key and volume-up key until you hear an ascending **♪♪** three-tone sequence in the CT communication set. Then let the buttons go. The LED in the Bluetooth key indicates the condition of the battery/storage battery. Should the LED not illuminate continuous green since the first second of switch-on, then the battery or storage battery is flat, and has to be replaced. Operation is not possible.

### 7.4 Switch-off

Press simultaneously Bluetooth key and volume-up key for about three (3) seconds until you hear a descending **♪♪** three-tone sequence. The LED in the Bluetooth key goes out. Let the buttons go.

Figure 20



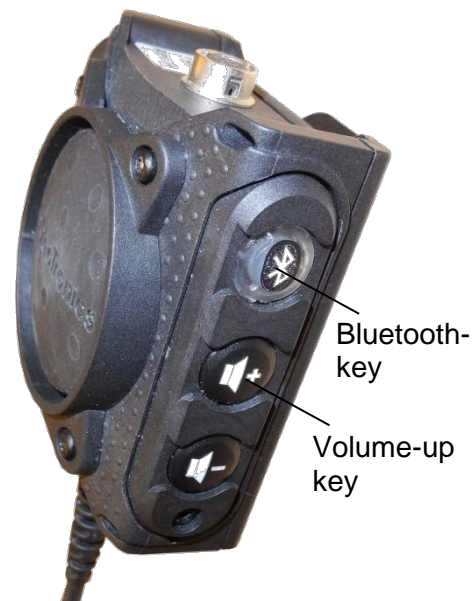
### 7.5 Pairing

Pairing of only one Bluetooth device at a time is possible with a CT-Multi PTT Bluetooth. When repeating the pairing, the existing connection is lost.

1. Switch the CT-Multi PTT Bluetooth off.
2. Activate the Bluetooth function of your Bluetooth device (cellular phone or digital radio).
3. Press simultaneously for about 8 seconds the Bluetooth and volume-up keys on the CT-Multi PTT Bluetooth until you hear a descending **♪♪♪** five-tone sequence (approx. 8 seconds). In between, you hear an ascending **♪♪** three-tone sequence, confirming the switch-on process.
4. Let the keys go. You hear a beep in 2-second intervals. The CT-Multi PTT Bluetooth is in search mode.
5. Put the other Bluetooth device (cellular phone or digital radio) into Bluetooth search mode. For it, follow the operating instruction of the device manufacturer.
6. When the Bluetooth device to be paired announces a search result with the name of the CT-Multi PTT Bluetooth, confirm the pairing by entering the following PIN number in the device: 83787432  
You find the name of the CT-Multi PTT Bluetooth on the label pasted on the cable (Figure 3).
7. After successful pairing, you hear an ascending **♪♪♪** five-tone sequence in the CT communication set.

Once paired, both devices re-establish the Bluetooth connection, even after interruptions, within the possible Bluetooth range.

Figure 21





## 7.6 Change operating modes

You may switch between telephone mode (mode 1), telephone mode with MIC-switch (mode 2), and limited telephone mode with MIC-switch (mode 3). For it, proceed as follows. The modes are signaled by the following beeps:

- Mode 1- 1 beep ► cellular phone mode
- Mode 2- 2 beeps ►► cellular phone mode with MIC-switch
- Mode 3- 3 beeps ►►► limited cellular phone mode with MIC-switch

1. Press on the CT-Multi PTT Bluetooth simultaneously, for at least 2 seconds, the volume-down and volume-up keys until you hear the actual audio signal.
2. Then, quickly press both keys briefly once again for changing the mode.  
The change itself is acknowledged by the audio signals indicated above.

Figure 22



## 7.7 Telephone mode (mode 1)

The telephone mode provides the traditional telephone functionality. Simultaneous hearing and speaking is possible without pressing an extra button. In telephone mode, the Bluetooth key serves for the functions:

- Accept the call
- End the call
- Reject the call
- Redial
- Abort redialing.

The CT-Wireless-PTT can be used in lieu of the Bluetooth key; it has equal function.

### 7.7.1 Accept the call

You hear the ringing tone of incoming calls in the CT communication set. To accept the call, press briefly the Bluetooth key.

### 7.7.2 End the call

To end a communication, press briefly the Bluetooth key.

### 7.7.3 Reject the call

You hear the ringing tone of incoming calls in the CT communication set. To reject the call, press the Bluetooth key until you hear a double beep ►► (approx. 2 seconds). The call is rejected.

### 7.7.4 Redial

Press the Bluetooth key briefly two (2) times in order to redial the phone number dialed last from your cellular phone.

### 7.7.5 Abort redialing

When you hear the ringing tone in the CT communication set, press the Bluetooth key to abort redialing.

## 7.8 Telephone mode with MIC switch (mode 2)

The telephone mode with MIC switch provides limited telephone functionality. You can hear without pressing an extra button. For speaking, you must press the Bluetooth key in order to switch on the

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microphone. The microphone remains switched-on as long as the key is pressed. In the event the existing phone call has been interrupted intentionally or unintentionally, you hear in the CT communication set two times a descending ♪♪♪♪♪ sequence of tones. In the telephone mode with MIC switch, the Bluetooth key serves the following functions:

- Accept the call
- End the call
- Reject the call
- Redial
- Abort redialing

You can use the CT-Wireless-PTT in lieu of the Bluetooth key; it has equal function.

#### **7.8.1 Accept the call**

You hear the ringing tone of incoming calls in the CT communication set.

To accept the call, press briefly the Bluetooth key

.

#### **7.8.2 End the call**

In an existing telephone conversation, press briefly the Bluetooth key immediately and consecutively 4 times to end the conversation. You will hear two (2) times a descending ♪♪♪♪♪ sequence of tones.

#### **7.8.3 Reject the call**

You hear the ringing tone of incoming calls in the CT communication set.

To reject the call, press the Bluetooth key until you hear a double beep ♪♪ (approx. 2 seconds). The call is rejected.

#### **7.8.4 Redial**

Press the Bluetooth key briefly two (2) times in order to redial the phone number, dialed last from your cellular phone.

#### **7.8.5 Abort redialing**

When you hear the ringing tone in the CT communication set, press the Bluetooth key to abort redialing.

### **7.9 Limited telephone mode with MIC switch (mode 3)**

The limited telephone mode with MIC switch provides limited telephone functionality. You can hear without the need of pressing an extra button. For speaking, you must press the Bluetooth key in order to switch the microphone on. The microphone remains switched on as long as the key is held down. All other functions, available in mode 2, have to be performed on the cellular phone or you must switch to another telephone mode.

#### **7.10 Increase the volume**

Press briefly the volume-up key to increase gradually the volume in the CT communication set. One ♪ high beep acknowledges each step up. When reaching maximum volume, you hear a double ♪♪ beep.

#### **7.11 Lower the volume**

Press briefly the volume-down key to reduce gradually the volume in the CT communication set. One ♪ low beep acknowledges each step down. When reaching minimum volume, you hear a double ♪♪ beep.

#### **7.12 Battery status**

The LED in the Bluetooth key indicates the status of the battery. The display lights up only for the first 15 seconds after switching the CT-Multi PTT Bluetooth on. Afterwards, you can display the battery status for 15 seconds by briefly pressing the volume-up or volume-down keys.

LED glows green:                      fully charged

LED flashes green: at half charge  
LED flashes red: very low – replace

You hear in the CT communication set three (3) 🗣️ low beeps in 30-second intervals

#### INFORMATION

Under heavy load and high volume and depending on the battery/storage battery status the communication may result in a distortion-like audio impression. This is normal and prevents system crashes / malfunctions if a battery / storage battery does not provide enough power anymore. An acoustic warning signal advises if the battery / storage battery is almost flat.

Remedy:

Reduce slightly the volume or change the battery / storage battery.

The button does not disconnect if the battery/storage battery is dead, in order to enable the user to communicate even in critical situations where a battery change is not possible.

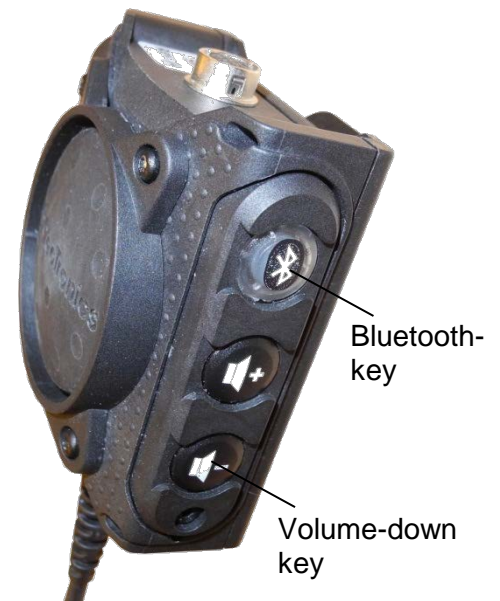
### 7.13 Change the PIN for CT-Multi PTT Bluetooth

#### INFORMATION

Store the newly set PIN in a safe place. In case the new PIN is lost, reprogramming is possible by CeoTronics, only.

The PIN of the CT-Multi PTT Bluetooth is 83787432 in the state as delivered from factory. To change the PIN start the program “CT-BluetoothUtility” on your personal computer. Follow the instruction manual Dok1345 “CT-BluetoothUtility”.  
Put the CT-Multi PTT Bluetooth in programming mode. For it, press simultaneously the Bluetooth and volume-down keys and keep both pressed for at least 8 seconds, until you hear a four (4) tone sequence in your CT communication set, and the LED in the Bluetooth key glows red. After a few seconds you can hear a readiness beep – now you can establish a connection to the personal computer. Follow the instructions of the PC program. To abort programming on the CT-Multi PTT Bluetooth or to end the process after successful change, press briefly the volume-up key. The LED in the Bluetooth key goes out and you hear a descending 🗣️ three-tone sequence.

Figure 23



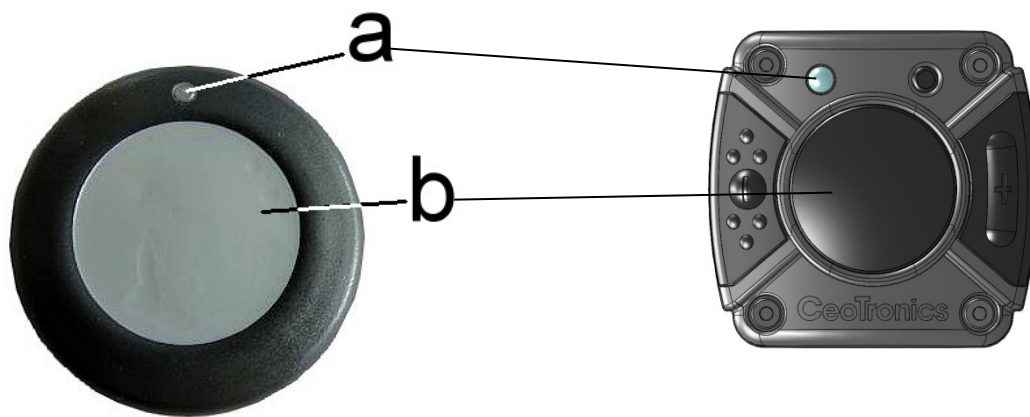
## 7.14 CT-Wireless-PTT (optional)

### INFORMATION

For interference-free operation of the CT-Wireless-PTT receiver in the CT-Multi PTT Bluetooth, take care that the CT-Multi PTT Bluetooth is not located in close proximity to the transmitting antenna of a radio or cellular phone. Heterodyning the CT-Wireless-PTT radio signal by the comparatively strong transmit signal of a radio or cellular phone can compromise the sensitivity of the CT-Wireless-PTT receiver in the near field of the transmit antenna. This could interrupt the radio transmission from the sending to the receiving PTT.

The CT-Wireless-PTT and the Bluetooth key of the CT-Multi PTT Bluetooth have equal function. The CT-Wireless-PTT necessarily requires subscription to the CT-Multi PTT Bluetooth. A battery supplies electric power to the CT-Wireless-PTT. For safety reasons, continuous keying of the CT-Wireless-PTT is limited to 30 seconds.

Figure 24



a LED glows when PTT button is pressed

b PTT button (of CT-Wireless-PTT MIL

- C1 Bluetooth

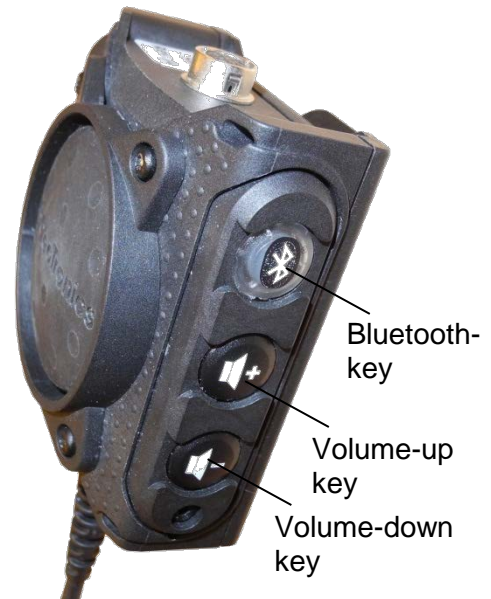
- C2 PTT radio

Observe the instruction manual Dok1652)

## 7.15 Subscribe the CT-Wireless-PTT to the CT-Multi PTT Bluetooth

1. Switch the CT-Multi PTT Bluetooth off, if it is on.
2. Press all three (3) lateral keys of the CT-Multi PTT Bluetooth simultaneously until the LED of the Bluetooth button starts flashing three (3) times red-green. The LED keeps flashing red-green until you let the keys go, however minimum three times.
3. Press the Bluetooth key three (3) times until the LED flashes as follows:  
....red-red-red....red-red-red....red-red-red....
4. Press briefly the CT-Wireless-PTT (the red LED glows); simultaneously and as confirmation the LED in the Bluetooth key lights up red for about four seconds; now, the CT Wireless-PTT is subscribed.
5. Press now one time the Bluetooth key of the CT-Multi PTT Bluetooth. The LED does not glow anymore. Now you can change to operating mode (6.) or apply (3. and ff.) of 7.15 / 7.16 / 7.17.
6. Change to the operating mode of the CT-Multi PTT Bluetooth by pressing for at least one (1) second both, the Volume-up" and "Volume-down" keys – like changing operating modes.

Figure 25



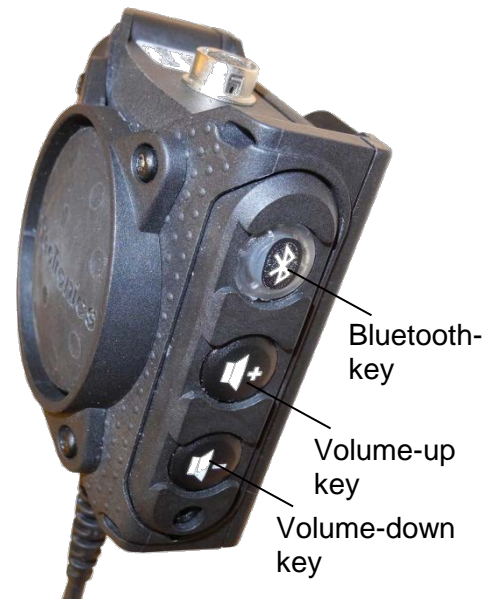
### INFORMATION

In case the CT-Multi PTT Bluetooth is in programming mode, all other functions are disconnected. In order to exit programming mode and enter operating mode, press for at least one (1) second both keys, "Volume-up" and "Volume-down". We recommend, after the loss of a CT-Wireless-PTT, to delete it from the receiver. For it, it is necessary to delete all CT-Wireless-PTT from the CT-Multi PTT Bluetooth (see 7.17), and to re-subscribe the existing ones. The CT-Multi PTT Bluetooth accepts the subscription of maximum 32 CT-Wireless-PTT devices.

## 7.16 Delete one CT-Wireless-PTT from the memory of the CT-Bluetooth Adapter

1. Switch the CT-Multi PTT Bluetooth off, if it is on.
2. Press all three (3) lateral buttons of the CT-Multi PTT Bluetooth simultaneously until the LED in the Bluetooth button starts flashing three (3) times red-green. The LED keeps flashing red-green until you let the buttons go, however minimum three times.
3. Press the Bluetooth key of the CT-Multi PTT Bluetooth and hold it down for at least two (2) seconds. Now the deletion mode is active.
  - in deletion mode the LED flashes very quicklyTo abort deletion mode, press the Bluetooth key briefly once again.
4. Now, press the PTT button of the CT-Wireless-PTT you want to delete and hold it down until the LED starts glowing for four (4) seconds. This deletes the transmitter code.
5. Then, press the Bluetooth key of the CT-Multi PTT Bluetooth one time. The LED is not glowing anymore. Now you can change to operating mode (6.) or apply (3. and ff.) of 7.15 / 7.16 / 7.17.
6. Change to operating mode of the CT-Multi PTT Bluetooth by pressing for at least one (1) second both, the Volume-up" and "Volume-down" keys - like changing operating modes.

Figure 26

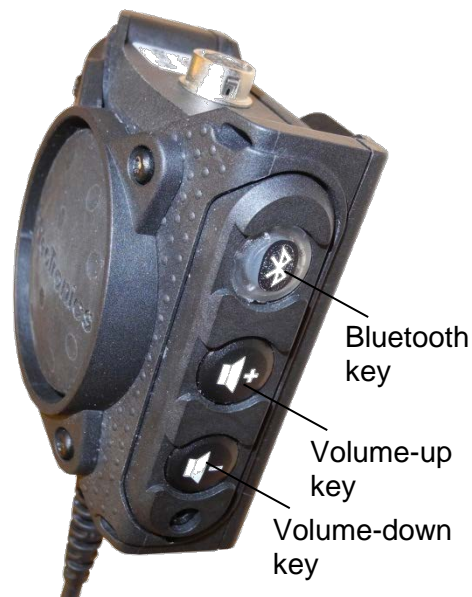




## 7.17 Delete all CT-Wireless-PTT from the memory of the CT-Bluetooth Adapter

1. Switch the CT-Multi PTT Bluetooth off, if it is on.
2. Press all three (3) lateral keys of the CT-Multi PTT Bluetooth simultaneously until the LED in the Bluetooth button starts flashing three (3) times red-green. The LED keeps flashing red-green until you let the buttons go, however minimum three times.
3. Press the Bluetooth key of the CT-Multi PTT Bluetooth and hold it down for at least two (2) seconds. Now the deletion mode is active.
  - in deletion mode the LED flashes very quicklyTo abort the deletion mode, press the Bluetooth key briefly once again.
4. Now, press the Bluetooth key again for more than two (2) seconds. If the LED glows four (4) seconds, all transmitter codes are deleted.
5. Then, press the Bluetooth key of the CT-Multi PTT Bluetooth one time. The LED is not glowing anymore. Now you can change to operating mode (6.) or apply (3. and ff.) of 7.15 / 7.16 / 7.17.
6. Change to operating mode of the CT-Multi PTT Bluetooth by pressing for at least one (1) second both, the Volume-up" and "Volume-down" keys – like changing operating modes.

Figure 27



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## 7.18 Switch-on and operation



### CAUTION

#### Risk of hearing impairment

For safety reasons reception volumes in excess of 85 dB(A) are possible with a whole series of CeoTronics products. However, the user can regulate the volumes. After switching on the communication system, set the reception volume to approx. 1/2 the available loudness volume and then test the audible volume, e.g. by opening the squelch on the radio set.

Do not set the volume any higher than is necessary. A very high volume setting can lead to damaged hearing, particularly if it is continuous. For higher volumes or noise levels wear additional earplugs. If in doubt, ask your safety officer or company doctor.

Turn the radio on, observing the manufacturer's instruction manual. When turning the CT-MultiPTT Bluetooth on, the LED in the Bluetooth button lights up green for about four (4) seconds (battery test). After that, the battery / storage battery status is displayed. Should the LED not glow continuous green during the first seconds, then the battery or storage battery is flat and requires replacement. Operation is not possible.

At turn-on, the volume of the CT-MultiPTT is always set to medium. Now you can hear the incoming radio messages in your communication set.

### 7.18.1 Communication via radio

The PTT serves the purpose of switching the radio between transmitting and receiving. For transmitting, you must press the PTT button while speaking. If the communication set is equipped with a PTT button, then this one and the PTT of the CT-MultiPTT Bluetooth have equal function.

If there exists an active telephone communication, voice to telephone is deactivated while transmitting. Hearing the telephone is possible. When you let the button go, you return to standby/receiving mode.

### Adjust the volume

Adjust the desired reception volume using the "Volume-up" and "Volume-down" keys. It is not possible, to completely down-regulate the volume. A minimum level persists. In a telephone conversation via Bluetooth (cellular phone), adjustment of the reception volume takes effect on the Bluetooth connection.

### 7.18.2 Communication via cellular phone

Switch on the cellular phone and set it to mute. (Observe the instruction manual of your cellular phone)  
Now, you are ready for communication via radio or cellular phone.

### Switch on the Bluetooth module

You are able to communicate via cellular phone, even if on the CT-Multi PTT Bluetooth the radio is neither active nor connected. Press simultaneously both, the Bluetooth and "Volume-up" keys, until you hear an ascending three-tone "PPP" sequence in the CT communication set. When switching on the CT-MultiPTT Bluetooth the LED in the Bluetooth button lights up green for about four (4) seconds (battery test). Should the LED not glow continuous green during the first seconds, then the battery or storage battery is flat and needs replacement. Operation is not possible.

Afterwards, the LED indicates the battery / storage battery status for the first 15 seconds.

Green, continuous	- battery fully charged
Green, flashing	- battery at half charge
Red, flashing	- battery almost flat, approx. 30 minutes remaining
LED off	- device does not switch on; battery/storage battery is flat.

After 15 seconds, the LED goes out.



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**INFORMATION**

Should the radio be turned off (battery change) while the Bluetooth module is on, you hear in the communication set for 30 seconds an acoustic warning signal in two (2) second intervals. During these 30 seconds press a key or turn the radio on, to ensure the Bluetooth module continues in switched-on condition. This way it is possible to keep up telephone standby.

### **Switch off the Bluetooth module**

Turning the radio off, switches the Bluetooth module off as well, with a delay of 30 seconds. However, you are also able to disconnect the entire system, independently from the radio.

Press simultaneously both, the Bluetooth and Volume-up keys, for about 3 seconds until you hear a descending ♫ three-tone sequence in the communication set which confirms the switch-off. The LED in the Bluetooth key does not glow anymore. Let the keys go.

## **7.19 End of operation**

To end the operation, turn the radio off.

**INFORMATION**

In some radios, the accessory interface continues energized, even after turning the radio off. In such a case switch the key off manually, or disconnect the CTMultiPTT Bluetooth plug from the radio adapter. Otherwise, it is possible that the CT-MultiPTT Bluetooth storage battery is discharging.

## **8 Safekeeping – storage**

Store the cleaned devices in a clean, dry place at normal room temperature and in normal relative air humidity.

**Notice**

### **Product damage!**

Do not store CeoTronics products outside or in damp ambient conditions. At all times keep them clean, dry and at normal air humidity. CeoTronics products must not be stored in areas with a temperature of over +80° C (+176° F), e.g. in the summertime on the parcel shelf of a car. If not stated otherwise, the following temperature ranges are admissible for CeoTronics products: -10 to +55°C for operation, storage -40 to +80°C.

## 8.1 Cleaning

### Notice

#### Product damage!

Pay attention that no humidity could penetrate into the device during cleaning. Do not use solvents (e.g. benzene, alcohol, etc.) for cleaning!

Safe operation requires clean devices. Ensure that the devices (microphones, connectors etc.) are clean and in good condition at all times.

Remove loose dust with a soft brush. Clean the outside of components, if necessary, with an appropriate clean cloth, only lightly moistened with clear water, and then rub it down thoroughly. If heavily soiled, a few drops of rinsing agent may be added. Clean the connector pins with a commercial cleaning agent.

## 9 Disposal





















Should equipment, supplied by CeoTronics, be definitely put out of service you may return it to CeoTronics. We ensure recycling and/or disposal of outdated equipment in compliance with the applicable environment protection law.

## 10 Technical data

Electrical values	min	typical	max	unit
Supply voltage	1.1	1.25	1.6	V
Accessory speaker	16	-	-	Ohm
Induction coil		Type „B“		

Mechanical values Specifications without plugs and cable sleeves	LxWxH [mm]	Weight [g]
Housing	54 x 88 x 84	
Housing with cable	54 x 88 x 700	270g

## 11 Brief instruction

Function	Key combination	Keying duration	Visual signaling	Sound signal	Executable in condition
Switch on	 + 	Hold 3 seconds	LED displays the battery status for 15 seconds	Ascending 3-tone sequence	Off
Switch off	 + 	Hold 3 seconds	None	Descending 3-tone sequence	On
Activate pairing mode	 + 	Hold 8 seconds	LED displays the battery status for 15 seconds	Ascending 3-tone sequence after 3 sec., descending 5-tone sequence after 8 sec., brief search beep every 2 seconds	Off
Abort pairing mode	 + 	Hold 3 seconds	LED goes out	Descending 3-tone sequence	Pairing mode
Activate wireless configuration	 +  + 	Hold 2 seconds	LED glows red / green	None	Off
Display operating mode	 + 	Hold 2 seconds	None	1 beep = Cellular phone 2 beeps = Cellular phone with MIC switch 3 beeps = limited mode cellular phone with MIC switch	On
Change operating mode	 + 	Hold 2 seconds, brief keying	None	1 beep = Cellular phone 2 beeps = Cellular phone with MIC switch 3 beeps = limited mode cellular phone with MIC switch	Operating mode display
Lautstärke erhöhen	 + 	Brief keying	LED active, Color acc. to battery status	High beep Double tone at maximum volume	On
Lautstärke verringern		Brief keying	LED active, Color acc. to battery status	Low beep Double beep at minimum volume	On





**Certificate No. 01100004023 (ISO 9001)**

**Certificate No. 01102004023 (KBA)**

**Certificate No. 01220004023 (ATEX)**

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