

TOPCOM[®]

PMR BABYTALKER 1010



USER GUIDE

V 1.1

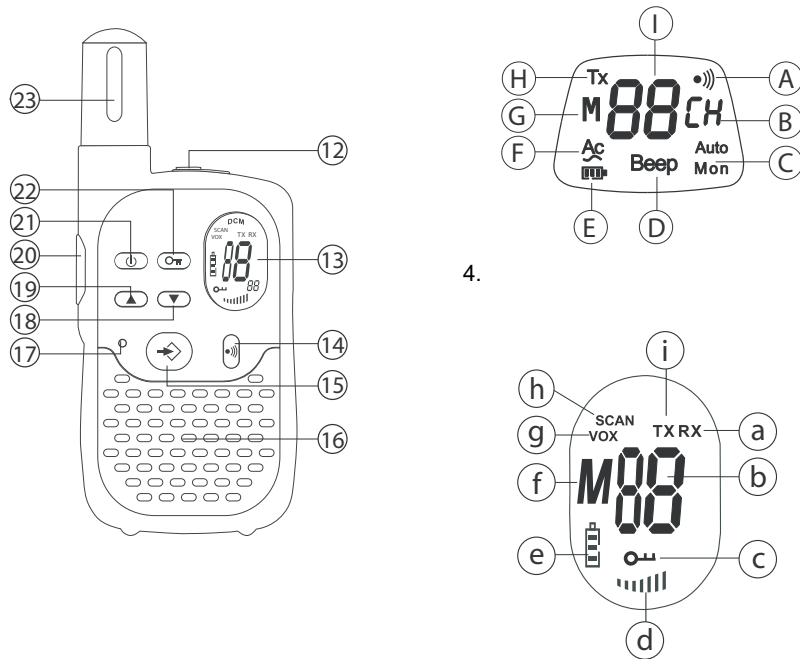
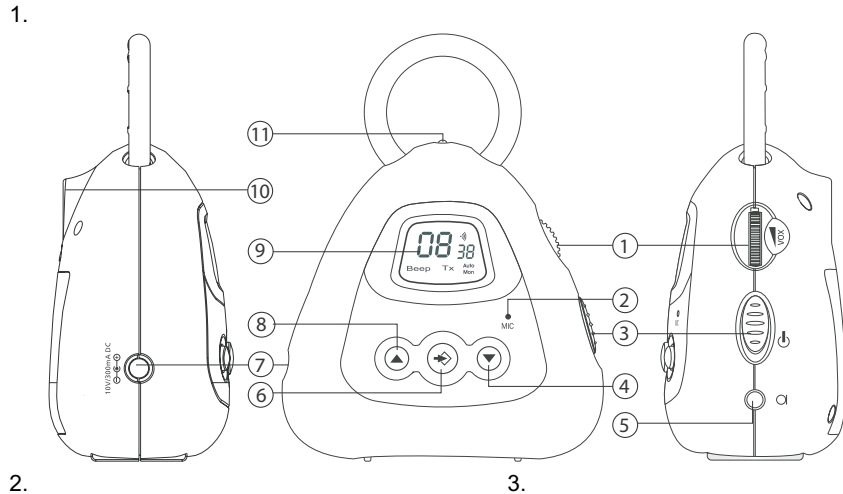


UK The features described in this manual are published with reservation to modifications.

UK The CE symbol indicates that the unit complies with the essential requirements of the R&TTE directive.

This product is in compliance with the essential requirements and other relevant provisions of the R&TTE directive 1999/5/EC.
The Declaration of conformity can be found on :

<http://www.topcom.net/support/cedclarations.php>



1 Introduction

Thank you for purchasing the Babytalker 1010. It's a short range (up to 2 km in open field), low powered babyphone base station in combination with a 446 MHz PMR (Private Mobile Radio). The Babytalker 1010 can be used in any country where the service is authorised as indicated on the packing box and in this manual

2 Intended purpose

The Babytalker 1010 can be used to keep in contact with your baby or to monitor any audible activity in a room from a longer distance (up to 2 km in open field). The selectable VOX sensitivity ensures you that every sound in the baby's room is clearly received.

3 CE Mark en restrictions



Restriction:
Check the local regulations before using it outside the country where it was purchased. The standard may be prohibited in this country.

The CE symbol on the unit, user guide and giftbox indicates that the unit complies with the essential requirements of the R&TTE directive 1995/5/EC.

The ! symbol next to the CE mark, indicates that the PMR standard is not allowed in all European countries.

PMR is allowed in the next countries:

Belgium, Holland, Germany, Sweden, Denmark, Norway, Finland, Spain, Italy, Portugal, Greece, Czech, Luxemburg, Hungary, Slovakia, Suisse, France, UK, Ireland, Austria, Poland

4 Safety instructions

4.1 General

Please read carefully through the following information concerning safety and proper use. Make yourself familiar with all functions of the device. Keep this manual on a safe place for future use.

4.2 Babies safety

- The Babytalker 1010 is not a substitute for responsible and proper adult supervision and should not be used as such.
- Make sure the Baby Unit and adapter cable are always out of reach of the baby, at least one metre away.
- Never place the Baby Unit inside the baby's bed or playpen!
- Never cover the baby monitor (with a towel, blanket, etc.).

4.3 Burning injuries

- If the cover of the antenna is damaged, do not touch because when an antenna comes in contact with the skin, a minor burn may result when transmitting.
- Batteries can cause property damage such as burns if conductive material such as jewellery, keys or beaded chains touches exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse or other container with metal objects.

4.4 Injuries

- Do not place your device in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a PMR is placed in the bag deployment area and the air bag inflates, the communicator may be propelled with great force and cause serious injury to the occupants of the vehicle.
- Keep the PMR at least 15 centimetres away from a pacemaker.
- Turn your PMR OFF as soon as interference is taking place with medical equipment.

4.5 Danger of explosion

- Do not replace batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion.
- Turn your PMR off when in any area with a potentially explosive atmosphere. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.
- Never throw batteries in fire as they may explode.



Areas with potentially explosive atmospheres are often, but not always, clearly marked. They include fuelling areas such as below deck on boats, fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

4.6 Poisoning danger

- Keep batteries away from small children

4.7 Legal

- Turn your PMR OFF in any facilities where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.
- Replacing or modifying the antenna may affect the PMR radio specifications and violate the CE regulations. Unauthorised antennas could also damage the radio.

4.8 Notes

- Do not touch the antenna while transmitting, it could affect the range.
- Remove the battery if the device is not going to be used for a long period.

5 Cleaning and maintenance

- To clean the unit, wipe with a soft cloth dampened with water. Don't use a cleaner or solvents on the unit; they can damage the case and leak inside, causing permanent damage.
- Battery contacts may be wiped with a dry lint-free cloth.
- If the unit gets wet, turn it off and remove the batteries immediately. Dry the battery compartment with a soft cloth to minimize potential water damage. Leave the cover off the battery compartment overnight or until completely dry. Do not use the unit until completely dry.

6 Disposal of the device (environment)



At the end of the product lifecycle, you should not throw this product into the normal household garbage but bring the product to a collection point for the recycling of electrical and electronic equipments. The symbol on the product, user guide and/or box indicate this.

Some of the product materials can be re-used if you bring them to a recycling point. By re-using some parts or raw materials from used products you make an important contribution to the protection of the environment. Please contact your local authorities in case you need more information on the collection points in your area.



Dispose of batteries at a designated battery disposal unit and not in the household waste.

7 Using the Babytalker 1010

To have communication between the Babyphone and the PMR device they need to be set both on the same channel and within receiving range (up to max. 2 km in open field). Since these devices use free frequency bands (channels), all devices in operation share these channels (total 8 channels). Therefore, privacy is not guaranteed.

The babytalker operates on **VOX** mode. This means that the device starts sending as soon as the microphone detects sound. The sensitivity of the sound detection can be changed by the user.

Any other PMR device in range, on the same channel and in standby mode (not transmitting) will hear the transmitted signal.



Speaking from a PMR unit to the babyphone is not possible to prevent unknown persons to disturb the babies night rest.

8 Included in the package

- 1 x Baby Unit
- 1 x Parent unit
- 1 x Beltclip
- 1 x Power adapter
- 1 x Charger
- 1 x Battery pack
- User guide

9 Installation

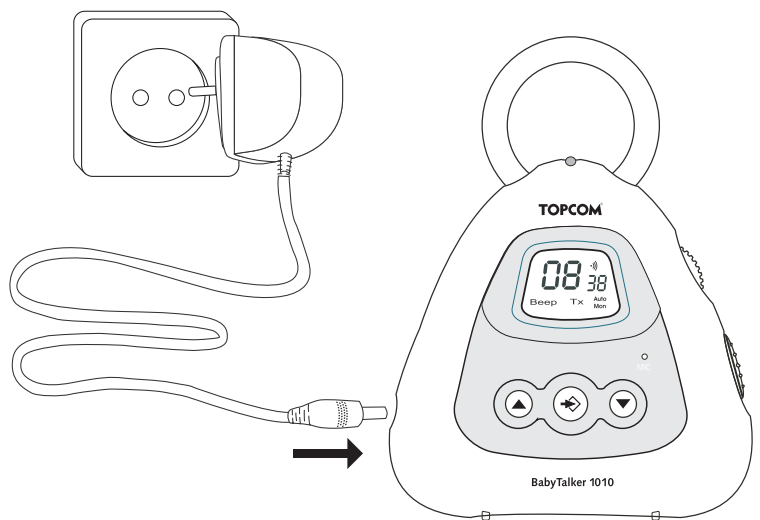


The Baby unit can operate with power adapter OR with non-rechargeable 'LR03' alkaline batteries. It has no charging function. The Parent unit can operate with rechargeable or LR03' alkaline batteries (not included).

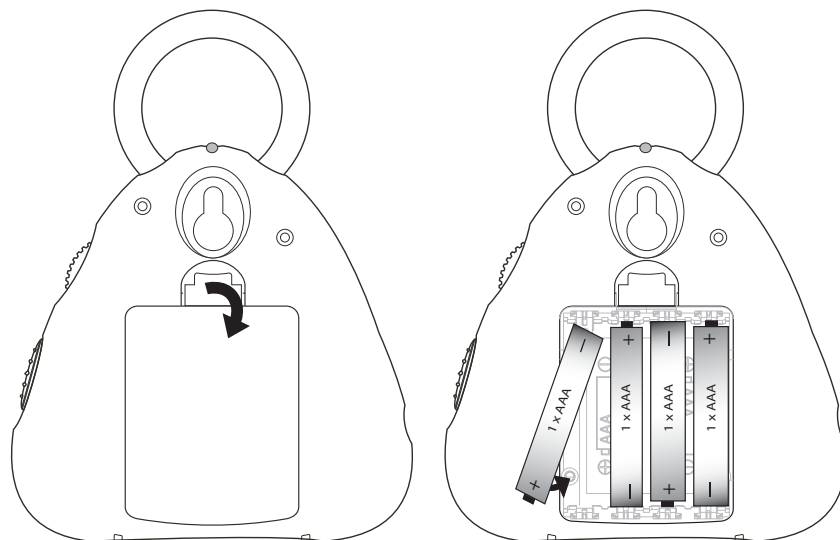
9.1 Baby unit

9.1.1 Using the power adapter

Plug one end of the adaptor (DC 10V/ 300mA) into the power outlet and the other end into the adapter jack on the side of the baby unit (7). A click indicates, the jack is locked into position.



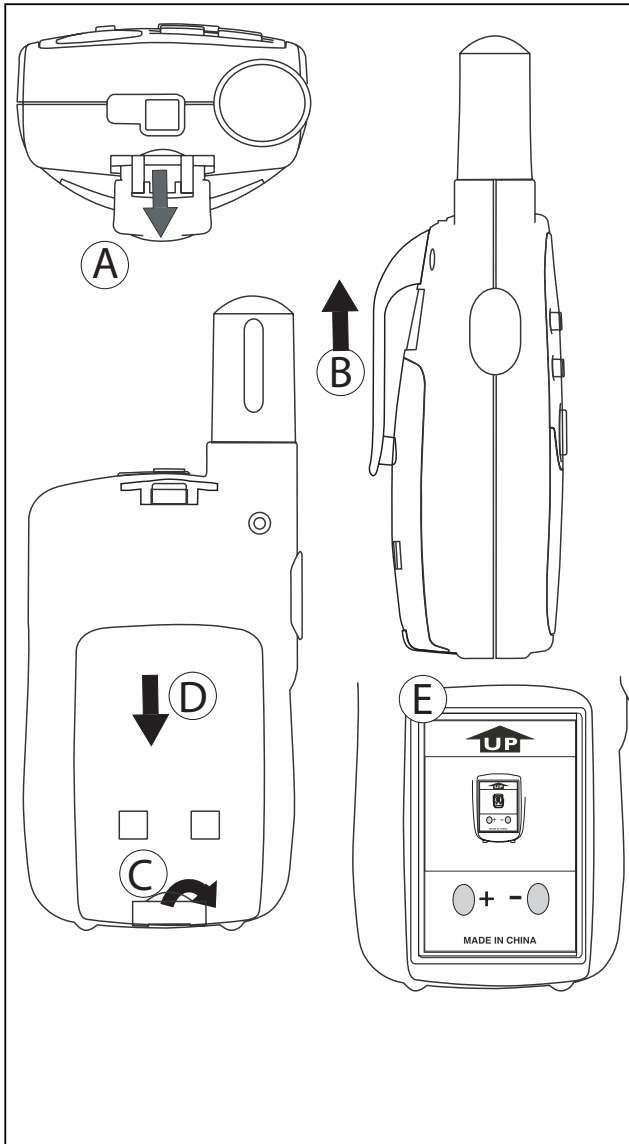
9.1.2 Using batteries



Instead of using the power adapter, the baby unit can be powered by 'LR03' Alkaline (non-rechargeable) batteries.

- 1 Pull the battery cover tab and gently remove the battery cover.
- 2 Install 4 'AAA' 'LR03' alkaline batteries following the polarity as shown.
- 3 Re-install the Battery Cover

9.2 Parent unit



9.2.1 Removing/Installing the Belt Clip

- 1 To remove the clip from the unit, push the belt clip (B) towards the antenna, while pulling the belt clip tab away from the unit (A).
- 2 When re-installing the belt clip, a click indicates the Belt Clip is locked into position.

9.2.2 Battery Installation

- 1 Remove the belt clip (See chapter 9.2.1).
- 2 Pull the battery door tab down (C) and slide the battery cover away from the antenna. (D)
- 3 Install the rechargeable battery pack following the polarity as shown. Ensure that the metal contacts on the site are facing outwards from the radio to connect on the battery door.(E)
- 4 Re-install the Battery Cover and Belt Clip (See chapter 9.2.1).

Note: Instead of the supplied battery pack, the PMR can be used with 3xAAA NiMh batteries. Follow the polarity as shown in the battery compartment when installing.

9.2.3 Recharging batteries

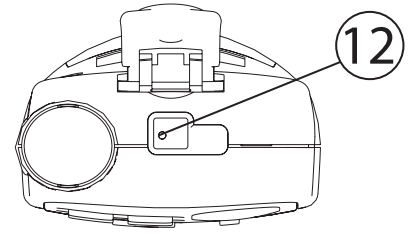
With the enclosed rechargeable battery pack or 3 x AAA NiMh rechargeable batteries (not supplied) installed, the batteries can be charged with the included charger(DC 7,5V / 200mA).



Only use the included AC/DC ADAPTER with “AAA” rechargeable batteries. Do not charge this unit when regular “AAA” ‘LR03’ alkaline batteries are installed.

Do not connect other chargers. This may damage your device.

- Plug the small plug of the adapter into the charger jack ⑫ on the top of the unit and the other end in the electrical socket.
- Make sure that the unit is switched off in order to charge the batteries properly.







NOTE: It takes approximately 12 to 14 hours to fully charge the batteries (with 600mAh).

10 Supporting device for wall assembly

The baby unit is wall mountable. The appropriate screw is not supplied. Turn a 3mm screw into the wall. The screw head must be approx. 3 mm out of the wall so that the screw can be fixed correctly into the hang hole at the back of the baby unit. Hang the baby unit with its hang hole ⑩ carefully to this screw.

11 Battery Charge Level

The BATTERY CHARGE LEVEL in the Parent Unit, as well as in the Baby Unit is indicated by the number of squares present inside the BATTERY icon on the LCD Display.

-  Battery Full
-  Battery 2/3 charged
-  Battery 1/3 charged
-  Battery empty

12 Buttons

12.1 Baby unit

(See picture 1 on the folded cover page)

- 1 VOX sensitivity control
- 2 Microphone
- 3 On/Off switch
- 4 Menu down button: *Select the previous value in the menu.* ▼
- 5 External microphone connector (microphone not included)
- 6 Menu button: *Enter the setting menu* ⇨
- 7 Power adapter connector
- 8 Menu up button - *Select the next value in the menu.* ▲
- 9 LCD display
- 10 Hang hole for wall mounting
- 11 ON/OFF LED

12.2 Parent unit

(See picture 2 on the folded cover page)

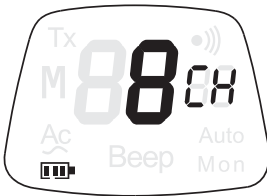
- 12 Charger connector
- 13 LCD display
- 14 Call button •)))
- 15 Menu button - *Enter the setting menu* ⇨
- 16 Speaker
- 17 Microphone
- 18 Menu down button ▼
 - *Decrease the speaker volume*
 - *Select the previous value in the menu.*
- 19 Menu up button ▲
 - *Select the next value in the menu.*
 - *Increase the speaker volume*
- 20 Push to talk button PTT
- 21 On/Off Button ⏻
- 22 Lock button 🔒
- 23 Antenna

13 LCD Display information

13.1 Baby unit	13.2 Parent unit
(See picture 3 on the folded cover page)	(See picture 4 on the folded cover page)
A Call Tones icon	a Receive icon
B Channel indicator	b Channel/Memory channel number
C Auto monitor function icon	c Key pad lock icon
D Beep tone function icon	d Speaker volume
E Battery level indicator	e Battery level indicator
F Power adapter connected icon	f Channel Memory indicator
G Channel Memory indicator	g VOX icon
H Transmission icon	h SCAN icon
I Channel/Memory channel number	i Transmission icon

14 Turning the Babytalker 1010 ON/OFF

14.1 Baby unit



To turn ON:

- Set the On/Off switch (3) to the top position (I), the LCD display will show the current channel or memory location.

To switch OFF

- Set the On/Off switch (3) to the bottom position (O), the LCD display will turn blank.

14.2 Parent unit



To turn ON:

- Press and hold the ⏻ - button (21). The unit will “beep” and the LCD display will display the current channel.

To switch OFF

- Press and hold the ⏻ - button (21). The unit will “beep” and the LCD display will turn blank.

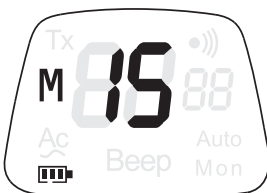
15 Setting the Channel Memory

To have communication between the Baby Unit and the Parent unit they need to be set both on the same channel memory. 15 Channel Memories are available (See chapter 23).



Any PMR set on the corresponding channel can receive and listen to the conversation.

15.1 Baby unit



- Press the ⇄ - button (6) twice, the current channel memory flashes on the display.
- Press the ▲ - button (8) or the ▼ - button (4) to change the channel memory.

To deactivate the Channel Memory function, select OF



- The unit will return to standby if no button is pressed within 5 seconds.

15.2 Parent unit



- Press the ↗ - button (15) twice, the current channel memory flashes on the display.
- Press the ▲ - button (19) or the ▼ - button (18) to change the channel memory.

To deactivate the Channel Memory function, select OF

- Press the PTT - button (20) to confirm and return to stand-by mode.

16 Adjusting the Baby Unit VOX sensitivity

The baby unit transmission is activated by the voice of the baby or by another sound in the environment (VOX).

The VOX sensitivity can be adjusted by turning the VOX sensitivity switch (1);

- Up = Highest sensitivity position
- Down = Lowest sensitivity position



Try the VOX sensitivity and exercise sufficiently before using the Babytalker 1010.

17 Adjusting the Parent Unit Speaker Volume



- Press the ▲ - button (19) in stand-by-mode to increase the speaker volume. The volume level is displayed.
- Press the ▼ - button (18) to decrease the speaker volume.

18 Beep tone ON/OFF

The Baby Unit can transmit automatically a 1 khz beep tone every 30 seconds when it is in the listening mode. This function can be used when you need to be sure that the babytalker is operational at all time.



- Press the ↗ - button (6) 3 times.
- Press the ▲ - button (8) to enable (ON) or the ▼ - button (4) to disable (OFF) this function.
- Press the ↗ - button (6) to confirm the selection.

19 Automatic monitor ON/OFF

The Baby Unit can automatically open the microphone every 5 minutes and transmit the room activity for 5 seconds.



- Press the ↔ - button (6) 4 times.
- Press the ▲ - button (8) to enable (ON) or the ▼ - button (4) to disable (OF) this function.
- Press the ↔ - button (6) to confirm the selection.

20 Alert Tone ON/OFF

The Baby Unit will send out an alert tone when you activate the VOX function. After the alert tone, it will transmit the detected voice signal.



- Press the ↔ - button (6) 5 times.
- Press the ▲ - button (8) to enable (ON) or the ▼ - button (4) to disable (OF) this function.
- Press the ↔ - button (6) to confirm the selection.

21 Using the Parent unit as a PMR

Besides using the Parent unit as receiver for the Baby unit transmission, you can use it to communicate with other PMR (Private Mobile Radio) users which are on the same channel.

21.1 Changing Channels



To use the Parent Unit as a standard PMR, the Channel Memory function must be deactivated (See chapter 15.2) and the unit must be set to the same channel as your correspondent PMR.



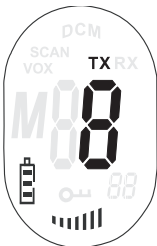
- Press the ↔ - button (15) once, the current channel number flashes on the display.
- Press the ▲ - button (19) or the ▼ - button (18) to change the channel.
- Press the PTT - button (20) to confirm and return to stand-by mode.

21.2 Receiving a Signal



The Parent Unit is continuously in RECEIVE mode when the unit is switched ON and not transmitting. When a signal is detected the RX icon will be displayed.

21.3 Transmitting a Signal



- Press and hold the PTT - button (20) to TRANSMIT. The TX symbol is displayed.
- Hold the unit in a vertical position with the MICROPHONE 10cm from the mouth and speak into the microphone.
- Release the PTT - button (20) when you want to stop transmitting.



To check the channel activity use the monitor function (See chapter 21.6). Release and press the PTT - button (20) to restart transmitting.

21.4 VOX Selection

The PMR is capable of voice activated (VOX) transmission. In VOX mode, the radio will transmit a signal when it is activated by your voice or other sound around you. VOX operation is not recommended if you plan to use your radio in a noisy or windy environment.



- Press the ↔ - button (15) 3 times, the current VOX setting flashes on the display and the VOX icon is displayed.
- Press the ▲ - button (19) to turn the VOX feature ON press ▲ - button (19) again to select the VOX sensitivity level which displayed. Press the ▼ - button (18) until OF appears on the display, to turn VOX OFF.
- Press the PTT - button (20) to confirm and return to stand-by mode.

21.5 Call Tones

A call tone alerts others that you want to talk.

Press the 📞 button (14) briefly. The call tone will be transmitted for 3 seconds on the set channel.

21.6 Monitor

You can use the MONITOR feature to check for weaker signals in the current channel.

- Press and hold the ↗ - button (15) and the ▼ - button (18) for simultaneous for 3 seconds to activate channel monitoring.
- Press the ↗ - button (15) to stop monitoring.

21.7 Channel Scan

CHANNEL SCAN performs searches for active signals in an endless loop from channel 1 to 8 including



- Press and hold the ▲ - button (19) . Press the ↗ - button (15) briefly to start scanning.
- Release the buttons.
- When an active signal (one of 8 channels) is detected, CHANNEL SCAN pauses and you will hear the active signal.
- Press the PTT - button (20) to communicate through the active signal channel.
- Press the ↗ - button (15) to deactivate channel scan.
- Press the ▲ - button (19) or the ▼ - button (18) to bypass the current channel and continue to search for another active channel

21.8 Button Lock



- Press and hold the ☰ - button (22) for 3 seconds to activate the BUTTON LOCK mode. The BUTTON LOCK icon is displayed on the LCD Screen.
- Press and hold the ☰ - button (22) again for 3 seconds to deactivate BUTTON LOCK

21.9 Display backlight

To activate the backlight of the LCD display press a button briefly. The LCD backlight will light for 5 seconds.

22 Troubleshooting

No power	Clean the battery contacts with a soft cloth. Replace the batteries
No transmission	Make sure the PTT-button ⑳ is pressed completely before you speak. Monitor the channel activity and switch to another channel if the current is used.
No reception	Check the speaker volume Make sure that you are in the reception range of the sender and change if necessary your location
Limited Range and noise during transmission	The talking range depends on the terrain. Steep constructions, concrete buildings or the use in vehicles have a bad influence on the range. Try to avoid as many obstacles as possible and communicate in a clear line of sight. Change your locations.
Interference	The receiver and transmitter are too close. The minimum distance between 2 units is 1,5m.

23 Technical specifications

Channels	8
Sub-code	CTCTSS
Frequency	446.00625MHz - 446.09375 MHz
Range	Up to 2 Km (Open field)
Batteries	Baby Unit: 4 x AAA 'LR03' Alkaline batteries Parent Unit: 4 x AAA rechargeable batteries
Transmission Power	=< 500mW ERP
Modulation Type	FM - F3E
Channel spacing	12,5 kHz
Power Adapter	Baby Unit: DC 10V/300mA Parent Unit: DC 7,5V/200mA

Memory Location	PMR channel Number	CTCSS frequency
M1	1	189,9Hz
M2	2	189,9Hz
M3	3	189,9Hz
M4	4	189,9Hz
M5	5	189,9Hz
M6	6	189,9Hz
M7	7	189,9Hz
M8	8	189,9Hz
M9	1	183,5Hz
M10	2	183,5Hz
M11	3	183,5Hz
M12	4	183,5Hz
M13	5	183,5Hz
M14	6	183,5Hz
M15	7	183,5Hz

24 Warranty

24.1 Warranty period

Topcom units have a 24-month warranty period. The warranty period starts on the day the new unit is purchased. Consumables or defects causing a negligible effect on operation or value of the equipment are not covered.

The warranty has to be proven by presentation of a copy of the original purchase receipt, on which the date of purchase and the unit-model are indicated.

24.2 Warranty handling

A faulty unit needs to be returned to an authorized service centre including a valid purchase note. If the unit develops a fault during the warranty period, the service centre will repair any defects caused by material or manufacturing faults free of charge.

The service centre will at its discretion fulfil its warranty obligations by either repairing or exchanging the faulty units or parts of the faulty units. In case of replacement, colour and model can be different from the original purchased unit.

The initial purchase date shall determine the start of the warranty period. The warranty period is not extended if the unit is exchanged or repaired by the appointed service centres.

24.3 Warranty exclusions

Damage or defects caused by incorrect treatment or operation and damage resulting from use of non-original parts or accessories are not covered by the warranty.

The warranty does not cover damage caused by outside factors, such as lightning, water and fire, nor any damage caused during transportation.

No warranty can be claimed if the serial number on the unit has been changed, removed or rendered illegal.

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