ScramTalk-808

Bedienungsanleitung
Manual
Mode d'emploi
Manuale d'istruzione
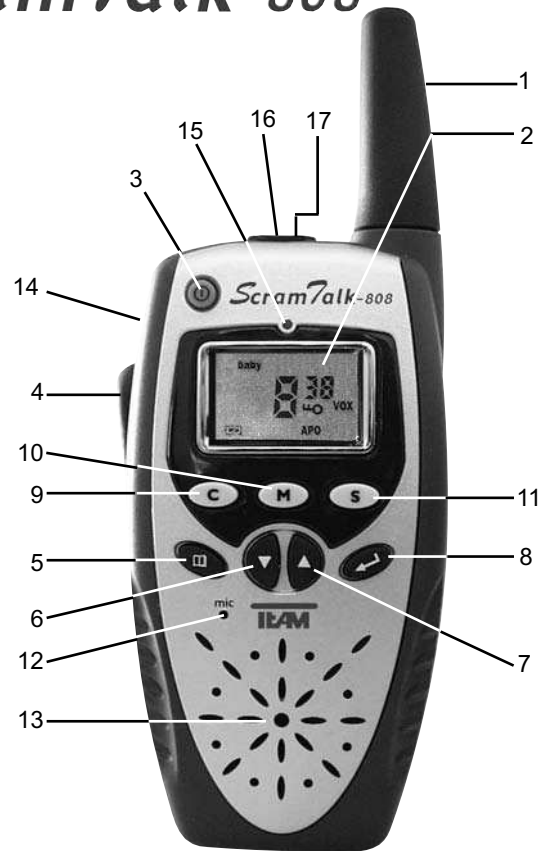
TEAM
electronic

ScramTalk-808

Funktionen

Deutsch

- 1.) Antenne
- 2.) LCD-Anzeige
- 3.) Ein/Aus-Taste ⏻
- 4.) PTT-Taste
- 5.) Menü-Taste ⌨
- 6.) Abwärts-Taste ▼
- 7.) Aufwärts-Taste ▲
- 8.) Eingabe-Taste ↵
- 9.) Rufmelodietaste C
- 10.) Monitor-Taste M
- 11.) Kanalsuchlauf-Taste S
- 12.) Mikrofon mic
- 13.) Lautsprecher
- 14.) Batteriefachdeckel
- 15.) Zweifarben-Kontroll-LED
- 16.) Buchse ø 3,5 mm SP./MIC
- 17.) Gürtelclip

Features

English

- 1.) Antenna
- 2.) LC Display
- 3.) On/Off Key ⏻
- 4.) PTT Key
- 5.) Menu Key ⌨
- 6.) Down Key ▼
- 7.) Up Key ▲
- 8.) Enter Key ↵
- 9.) Call Melody Key C
- 10.) Monitor Key M
- 11.) Scan Key S
- 12.) Microphone mic
- 13.) Speaker
- 14.) Battery Compartment Lid
- 15.) Dual Color Indicator LED
- 16.) Jack Connector ø 3,5 mm SP./MIC
- 17.) Belt Clip

Fonctiones

Français

- 1.) Antenne
- 2.) Affichage LCD
- 3.) Touche Marche/Arrêt ⏻
- 4.) Touche d'emission PTT
- 5.) Touche Menu ⌨
- 6.) Touche vers le bas ▼
- 7.) Touche vers le haut ▲
- 8.) Touche d'entrée ↵
- 9.) Touche d'appel C
- 10.) Touche Monitor M
- 11.) Touche recherche de canaux S
- 12.) Microphone mic
- 13.) Haut-parleur
- 14.) Couvercle du comartiment des piles
- 15.) Lampe témoin LED à deux couleur
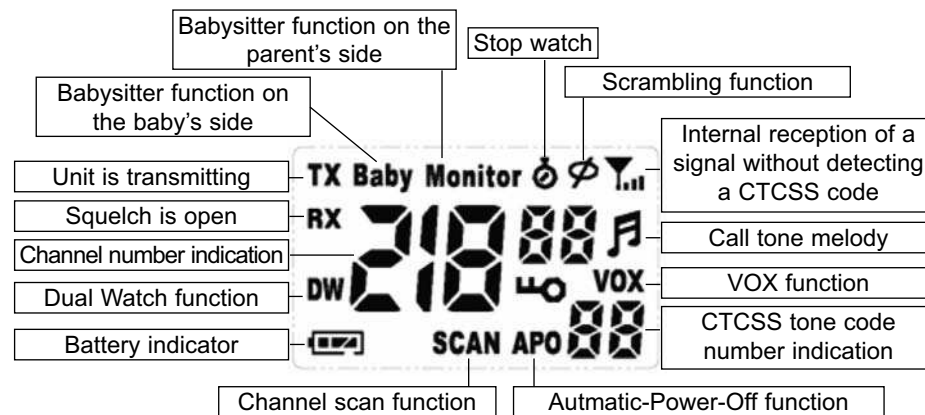- 16.) Prise ø 3,5 mm SP./MIC
- 17.) Clip de ceinture

Funzioni

Italiano

- 1.) Antenna
- 2.) Indicatore LCD
- 3.) Tasto Marcia/Arresto ⏻
- 4.) Tasto PTT
- 5.) Tasto Menu ⌨
- 6.) Tasto discendente ▼
- 7.) Tasto crescente ▲
- 8.) Tasto di conferma ↵
- 9.) Tasto della suoneria C
- 10.) Tasto Monitor M
- 11.) Tasto della ricerca canale S
- 12.) Microfono mic
- 13.) Altoparlante
- 14.) Coperchio del alloggio pile
- 15.) Spia LED a due colori
- 16.) Presa ø 3,5 mm SP./MIC
- 17.) Clip della cintura

Table of Contens

Unpack carefully your ScramTalk-808 package and check whether the supplied material matches with the items listed below. In case of loss or damage of a part contact your carrier at once:

2 sets ScramTalk-808
2 accumulator packs
1 foldable double desktop charger
1 AC mains adaptor
1 multilingual operation manual

Babysitter function on the parent's side
Stop watch
Babysitter function on the baby's side
Scrambling function
Unit is transmitting
Internal reception of a signal without detecting a CTCSS code
Squelch is open
Channel number indication
Call tone melody
Dual Watch function
VOX function
Battery indicator
CTCSS tone code number indication
Channel scan function
Autmatic-Power-Off function

Setting up the TEAM ScramTalk-808

1) Removing and mounting of the belt clip
To remove the belt clip, turn the rear panel toward you. The latch of the belt clip (17) is located near the headset socket *SP./MIC* (16). Pull the latch with your fingernail towards you and hold it. Then, by pulling the belt clip towards the top of the antenna remove the belt clip (17). To insert the belt clip, push the notch of the clip into the notch on the rear panel of the unit. Then push the clip towards the unit's bottom side until the belt clip latches.

2) Inserting the batteries or the accumulator pack
Turn the unit that way that the rear panel lies in front of you. Remove the belt clip (17). The locking of the battery compartment lid (14) is located at the bottom side of the unit. To open the battery compartment you have to push the locking away from the lid and turn it down. Then you can take the lid off.
Now insert 3 alkaline or rechargeable AAA (= Micro) cells into the battery compartment according to the polarity signs inside. If you use rechargeable cells we recommend the NiMH type. If you use one of the accumulator packs follow the instructions which are written on its back. Insert it in that way into the unit, that the label on the rear side remains visible, and the arrow "UP" is pointing upwards. Please take also care that the plastic strip of the accumulator pack is accessible. This simplifies a later removal of the accumulator pack.
To close the battery compartment put the lid (14) onto the compartment in that way that the two guide bolts at the top of the lid grip into the corresponding guide holes at the top of the battery compartment.
Finally secure the lid by pushing the locking on it until it snaps in.

Operation of the TEAM ScramTalk-808

I. Directly accessible functions

1) Switching the unit On/Off

Depress the On/Off key ① (3) for about 1 or 2 seconds to switch the transceiver on. You can hear two short receipt tones from the loudspeaker (13). For the period of the tones the display (2) shows all symbols. Now the unit is in receive mode and basic mode. The display (2) shows the channel number and its corresponding CTCSS code, as well as various symbols indicating the state of certain functions.

To switch the unit off depress the On/Off key ① (3) again for about 1 or 2 seconds. The loudspeaker gives a long high tone and all symbols disappear from the display. The last settings remain memorized. The unit is off now.

2) Battery level indicator

The battery symbol ▭ on the lower left side in the display shows the battery level. As long as all three bars are visible inside the symbol, the batteries are still strong enough. If the supply voltage drops below 3.6 V, the left bar disappears. If the supply voltage drops below 3.5 V, the middle bar disappears. If the supply voltage drops below 3.4 V, the last bar disappears also. If the supply voltage drops below 3.3 V, you will hear in the loudspeaker (13) every 15 seconds three warning tones. That means that you have to change or charge the batteries. At supply voltages below 2.8 V the display will show for one second the writing ⁸ᴀ ᴸᴼ (=BA LO = battery low) with a flashing empty battery symbol outline, and then the unit switches itself automatically off immediately afterwards.

The current consumption in TX mode amounts to 250 mA. In RX stand-by mode without reception of a signal it is 40 mA. For this end the ScramTalk-808 is equipped with a battery save function. This function starts to work under the following conditions:

a) The functions channel scan and dual watch must be out of order.
b) For at least 5 seconds no signal is allowed to reach the receiver on the actual channel, no key is pressed and no transmission occurs.

While this function is active the unit checks the actual channel for incoming signals in regular intervals. The average current consumption in the power down mode drops down to 10 mA. On receiving of a signal or pressing any key the power save mode switches itself off again.

But if you don't use the unit it is better to switch it off. Another possibility is the use of the automatic-power-off-function (APO function) which generates a total shut-off after a predefined time. In switched-off mode the current consumption is reduced to 140 µA.

If you won't use the unit for a extended period, we recommend to take the batteries or the accumulator pack out of the battery compartment.

3) Volume level adjustment

To enter the volume adjustment mode from the basic mode you must press the up key ▲ (7) or the down key ▼ (6) first. The display will build up the writing ᴠᴼᴸ (= VOL) out of the channel number display *218* and the CTCSS number display *88* for 0.5 seconds. Then the display shows for 6 seconds only the channel number, the CTCSS code number, the battery symbol and a flashing digit on the lower right side. During this time the unit is in volume level adjustment mode. The flashing digit indicates the currently adjusted volume level. The higher the value of the number is, the higher is the volume level. The amendment is only possible as long as the digit flashes.

Press the up key ▲ (7) to increase the volume level adjustment for one step.
Press the down key ▼ (6) to decrease the volume level adjustment for one step.

Pressing the keys for one second will make the volume level adjustment change quickly. The volume level of the confirmation tones depends from the currently adjusted volume level. At the end of the adjustment range you will hear a ringing signal tone.

If you don't press any of the up/down keys (7) and (6) for at least 6 s, the unit returns automatically to the basic mode with the new setting and a ringing signal tone.

If you press the enter key ↵ (8), the unit switches immediately back to the basic mode with the new setting and a signal tone.

The up/down keys (7) and (6) are without effect if the key lock function is active.

4) Disabling the noise suppression

The unit is always in receive mode as long as it is not in transmit mode. If there is no signal on the actual channel, the receiver would produce much noise in the loudspeaker (13). Therefore the unit is equipped with a circuit (squelch) that mutes the receiver if there is no station on the actual channel. Any incoming signal will open the squelch at once while the busy symbol ▾ııı appears in the display. Normally you can hear the station in the loudspeaker now. In addition there is another type of squelch which opens only when the counter station adds to its signal a correct CTCSS tone. But this CTCSS squelch is only working, if the CTCSS function is active. In the case where the squelch lets signals pass, the symbol *RX* appears also in the display and the dual colour indicator LED (15) lights up green. The squelch function can be disabled to hear also those stations which are too weak to make the squelch open by themselves or other stations with a wrong CTCSS tone (monitor function). See also the chapter "CTCSS function" for more information.

Depress shortly the monitor key *M* (10). Now the noise suppression is shut off. In the display appears the symbol *RX*. If there is no station on the actual channel you hear a noise in the speaker or the message if the channel is occupied. 15 s later the squelch function switches itself automatically on again. To reactivate the squelch function at once depress the monitor key *M* (10) again.

5) Voice transmission

Before transmitting you have to hear whether the actual channel is free. Use also the monitor key *M* (10). Don't send on occupied channels. To transmit depress and hold the PTT key (4). During transmission the dual colour indicator TX (15) lights up red and the symbol *TX* appears in the display. No key entry is possible. Hold the unit upright. The sensitivity of the built-in microphone *mic* (12) has been set to give good results speaking normally at a distance of 2 - 3 inches. Speaking too loudly will cause distortions and make the signal difficult to understand. Your message will be sent out with the actual CTCSS and scrambler settings. On completion of the transmission release the PTT key (4) and the set will revert to receiving mode.

Note: Radio contact is only possible with stations which work on the actual channel. In case of CTCSS operation the CTCSS code number must match also. See also the chapters "Channel selection" and "CTCSS function" for more information.

6) Call melody transmission

By pressing the call melody key *C* (9) you can transmit the actual call melody with the actual CTCSS and scrambler settings one time. It is also audible in the internal loudspeaker (13). All stations in the neighbourhood which are on the same channel will hear it. During transmission the dual colour indicator TX (15) lights up red and the symbols *TX* and ♫ appear in the display. No voice transmission is possible while the call melody is sent out.

Afterwards the unit switches back to receive mode.

7) LCD window illumination

By pressing the enter key ↵ (8) the backlight of the LC display lights up. The illumination will switch off automatically four seconds later. The LCD backlight will also be switched on, if any other key is pressed, except the call melody key *C* (9) and the PTT key (4). Only at a pressure on the scan key *S* (11) the illumination remains alight for the duration of the channel scan function.

8) Key lock function

To prevent an unwanted activating of most keys you can lock the keys. For this end depress the enter key ↵(8) for 2 seconds until the key lock symbol ⊷O appears with a confirmation tone in the display. Now you can only send, deactivate the squelch and switch the unit off and on. All other entries are rejected with a ringing tone. To deactivate the key lock depress the enter key ↵(8) again for 2 seconds, until the key lock symbol ⊷O disappears with another confirmation tone.

9) Channel scan function

If the channel scan function is active, the unit runs through all channels, until it has found an occupied one. In this case the squelch opens and the unit stops on that channel. The following instructions show how to activate the channel scan function:

Depress briefly the scan key *S* (11). The writing *SCAN* appears in the display, and you can see the channel numbers stepping upwards. The scan function is active now. Independent from the CTCSS setting for each channel, the CTCSS code number in the display is always *00* during the scanning procedure. Depress the up/down keys (7) and (6) to change the scan into the desired direction. According to the chosen direction the channel number increases or decreases.

The channel run stops on every occupied channel and stays there, as long as the signal keeps the squelch open. In this period the dual colour indicator LED (15) lights up green and the symbols *RX* and 📶 appear in the display. In the case that the received signal carries also a CTCSS tone, the corresponding code number appears right beside the channel number. If the signal drops below the squelch threshold, the channel number, the CTCSS code number and the writing *SCAN* begin to flash. If there is no signal for at least 4 seconds, the scanning procedure continues searching.

To deactivate the scan function you have to press briefly either the scan key *S* (11) or the enter key ↵(8).

If the scan function is terminated in that moment during which the unit is staying on an occupied channel, the unit will use this channel as actual channel. In addition it will take over that CTCSS code for this channel, which the station on that channel has been used at the halt of the scan function.

If the scan function is terminated in that moment during which the unit is stepping through the channels, the unit will jump back to that channel, which has been the actual one on starting the channel scan. In this case the previous CTCSS settings of all channels remain unchanged.

10) Socket for external accessory

The 3.5 mm jack socket *SP./MIC* (16) at the top side of the unit can be used to connect an external headset with stereo plug, for example the microphone / earphone TEAM OEM-TC. The internal loudspeaker (13) and the internal microphone *mic* (12) will be switched off at the insertion of the connector. The ScramTalk-808 supports the external PTT key.

11) Charging of the accumulator pack with the charger

The supplied desktop charger can not be used to charge the standard AAA type accumulator cells. It can only be used to charge the supplied accumulator packs.

Please follow the instructions below when you charge the accumulator packs:

To charge an accumulator pack it has to be inserted into a ScramTalk-808 unit first. Just put one or two transceivers ScramTalk-808 equipped with each one accumulator pack intended to be charged into one of the two charging slots of the twin desktop charger mould. The upper charging slot can be swivelled aside so that the lower one can be used also.

Before starting the charge make sure that every ScramTalk-808 with one accumulator pack, which is to be charged, is switched off.

Connect the DC plug of the 230 Volts AC adaptor with the socket on the rear side of the charging mould and plug the AC adaptor into a 230 Volts AC wall socket.

Insert every the ScramTalk-808 properly into its charging slot of the charging mould. The terminal clamps of the charging mould must touch correctly the charging contacts on the back of the battery compartment lid (14). The red LED of every occupied charging slot lights up permanently if the unit is inserted correctly and the supply cord is connected properly. The charge time is 14 hours if an accumulator pack is charged for the very first time and for completely discharged accumulator packs. The end of the charging process is not indicated. During the charging process you can see no symbols in the display.

To protect the accumulator packs against overcharging, take out every unit, whose charging time has run out, from the charging mould as soon as possible.

II. Menu-activated functions

The manner of working of functions activated by the help of the menu can not be changed if the key lock function is active.

1) Channel selection

The ScramTalk-808 has 8 channels. The following instructions show how to select a channel:

Depress the menu key & (5) one time, so that the number of the actual channel flashes in the LCD window. The unit is ready for adjusting the channel number now. Besides the flashing channel number you can see only the CTCSS code number and the battery symbol. The channel selection can only be done as long as the channel number is still flashing.

Press the up key ▲ (7) to increase the channel number for one channel.
Press the down key ▼ (6) to decrease the channel number for one channel.

Pressing the keys for one second will make the channel numbers change quickly.

The channels step in a ring like system. That means you go from channel 8 to channel 1 and vice versa. Every channel has its own CTCSS adjustment, which is indicated by the small number right beside the channel number.

Depress the enter key ↵(8) to terminate the channel selection and to return to the basic mode with the new setting. You can also wait for 6 s, until the unit jumps into the basic mode by itself with the new setting and a ringing signal tone.

See the channel table for channel numbers and channel frequencies.

2) CTCSS function

CTCSS stands for Continuous Tone Coded Squelch System. The CTCSS function serves to suppress signals of unwanted stations on the actual channel. If this function is active the unit works as follows:

The other station is only audible in the speaker, if it adds to its modulation signal a certain tone in the frequency range from 67 Hz to 250 Hz with low level. In transmit mode the unit adds itself to its modulation signal a tone of the same frequency so that the muting device of the counter station can open also. If the function is inactive you can hear every station on the channel, and in transmit mode no tone is added to the modulation signal.

Every tone frequency is coded with a certain number. The ScramTalk-808 offers you 38 different CTCSS tones for each channel. The following instructions show how to activate the CTCSS function and to select a CTCSS tone for each channel:

Depress the menu key & (5) two times, so that the number of the CTCSS tone of the actual channel flashes in the LCD window. The unit is ready for adjusting the CTCSS tone code now. Besides the flashing CTCSS code number you can see only the channel number and the battery symbol. The CTCSS adjustment can only be done as long as the CTCSS number is still flashing.

Press the up key ▲ (7) to increase the CTCSS code number for one step.
Press the down key ▼ (6) to decrease the CTCSS code number for one step.

Pressing the keys for one second will make the CTCSS code numbers change quickly.
The CTCSS code numbers step in a ring like system. That means you go from code number **38** via code **00** to code **01** and vice versa. If the selected code is **00**, the CTCSS function is switched off for this channel which is indicated with a ringing signal tone.
If you press the enter key ↵ (8), the unit switches immediately back to the basic mode with the new setting. You can also wait for 6 s, until the unit jumps into the basic mode by itself with the new setting and a ringing signal tone.

See the CTCSS tone code table for CTCSS tone code numbers and CTCSS tone frequencies.

3) Scrambling function

The scrambling function serves to alienate the sent-out and the received acoustic signals in a way, that you cannot understand it. So it is not possible that another normal radio operator is able to listen to your sent-out message. Only the scrambling function in the receiver of the counter station reverses the modified acoustic signal, so that it will be able again to be understood. Thus you and your counter partner can achieve a certain security against being listened in on. To reproduce every single tone of the speech signal in the original frequency at the loudspeaker of the counter station, both conversion circuits, the one of the transmit station and the one of the receiving station, must work with the same conversion frequency.
The scrambling circuits of the ScramTalk-808 offer you a total of 4 conversion frequencies. Every selected conversion frequency is coded by a certain number from 1 to 4 and is valid for transmit and reception mode. The following instructions show how to activate the scrambling function and to select another conversion frequency:

Depress the menu key & (5) three times, so that a flashing numerical digit appears in the lower right corner of the LCD window. This is the code number of the actual conversion frequency. The unit is ready for adjusting the scrambling function now. Besides the flashing code number of the scrambling function you can see only the actual channel number, its CTCSS code number, the scrambling function symbol ⌀ and the battery symbol. The scrambling function adjustment can only be made as long as the scrambling function code number is still flashing.

Press the up key ▲ (7) to increase the scrambling code number for one step.
Press the down key ▼ (6) to decrease the scrambling code number for one step.

Pressing the keys for one second will make the scrambling code numbers change quickly.
The scrambling code numbers step in a ring like system. That means you go from code number **4** via code **OF** to code **1** and vice versa. If the selected code is **OF**, the scrambling function is switched off.
If you press the enter key ↵ (8), the unit switches immediately back to the basic mode with the new setting. You can also wait for 6 s, until the unit jumps into the basic mode by itself with the new setting and a ringing signal tone.
In basic mode you can see the scrambling function symbol ⌀, if it is active. If the scrambling function is not active, the symbol ⌀ is invisible.

See the scrambling code table for scrambling code numbers and conversion frequencies.

4) Selection of the call melody

To select the call melody which can be sent out by the call key **C** (9) depress the menu key & (5) four times, so that a flashing numerical digit appears in the lower right corner of the LCD window. This is the code number of the actual call melody. The unit is ready for selecting another call melody out of 10 melodies now. Besides the flashing code number of the call melody you can see only the actual channel number, its CTCSS code number, the call melody symbol ♫ and the battery symbol. The call melody selection can only be made as long as the call melody code number is still flashing.

Press the up key ▲ (7) to increase the call melody code number for one step.
Press the down key ▼ (6) to decrease the call melody code number for one step.

Pressing the keys for one second will make the call melody code numbers change quickly.
The call melody code numbers step in a ring like system. That means you go from code number **10** to code **1** and vice versa. After every selection of a new call melody, the unit will reproduce that call melody in full length in the loudspeaker.
If you press the enter key ↵ (8), the unit switches immediately back to the basic mode with the new setting. You can also wait for 6 s, until the unit jumps into the basic mode by itself with the new setting and a ringing signal tone.

5) Monitoring functions

To take advantage of the two monitoring functions of the ScramTalk-808 you need another PMR transceiver, because the surveillance operation requests always one unit at the monitored location and the other unit at the location of the supervising person. The two monitoring functions of the ScramTalk-808 enable it to use the unit either for the employment at the monitored location or at the location of the supervising person. Therefore it is recommended to choose as second unit also a ScramTalk-808. In the case of an employment as baby monitor one unit must be situated at the baby and the other at the parents in the neighbour room.

The following instructions show how to activate and operate the monitoring function for the monitored location (baby unit):

Depress the menu key & (5) five times. The display will build up the flashing writing **OF** out of the numerical digits **88** in the lower right corner of the LCD window. Besides the flashing writing **88** you can see only the writing **Baby**, the actual channel number with its CTCSS code number and the battery symbol. The next entry can only be made as long as the writing **OF** is still flashing. With the help of the up/down keys ▲ (7) and ▼ (6) you can change the writing into the writing and vice versa. To activate the monitoring function for the monitored location select.

If you press the enter key ↵ (8), the unit switches immediately back to the basic mode with the new setting. You can also wait for 6 s, until the unit jumps into the basic mode by itself with the new setting and a ringing signal tone.

In basic mode you can see in addition the writing **Baby** and the key lock symbol ⊷, which indicate that the monitoring function for the monitored location is active now. In this state the only possible operation is to activate the transmitter by the surrounding sound (baby cries), which is also broadcasted with the actual CTCSS and scrambler settings to the unit of the supervising person. All key entries except the enter key 8 (8) are rejected with a flashing of the key symbol ⊷. There are no confirmation tone when you press a key. The loudspeaker is always silent, even with a radio signal on the actual channel. See also the chapter "VOX function" for more information.

To deactivate the monitoring function for the monitored location depress the enter key ↵ (8) for 2 seconds, until the key lock symbol ⊷ and the writing **Baby** disappear with a confirmation tone.

The following instructions show how to activate and operate the monitoring function for the location of the supervising person (parents unit):

Depress the menu key & (5) six times. The display will build up the flashing writing **OF** out of the numerical digits **88** in the lower right corner of the LCD window. Besides the flashing writing **OF** you can see only the writing **Monitor**, the actual channel number with its CTCSS code number and the battery symbol. The next entry can only be made as long as the writing **OF** is still flashing. With the help of the up/down keys ▲ (7) and ▼ (6) you can change the writing **OF** into the writing **ON** and vice versa. To activate the monitoring function for the location of the supervising person select **ON**.

If you press the enter key ↵ (8), the unit switches immediately back to the basic mode with the new setting. You can also wait for 6 s, until the unit jumps into the basic mode by itself with the new setting and a ringing signal tone.

In basic mode you can see in addition the writing **Monitor**, which indicates that the monitoring function for the location of the supervising person is active now. In this state you can use nearly all functions of the unit, except transmission. The TX function can neither be activated by the VOX function, nor with the PTT key (4) and nor with the call melody key **C** (9). Both keys are rejected with a ringing signal tone. The monitoring function for the monitored location can also not be activated. The writing remains always **OF**.

To switch off the monitoring function for the location of the supervising person depress the menu key & (5) again six times. The display will show again the writing **Monitor**, the actual channel number with its CTCSS code number and the battery symbol, together with the flashing writing **ON**. For a definitive deactivation of this function change with the help of the up/down keys ▲ (7) and ▼ (6) the writing **ON** into the writing **OF**.

If you press the enter key ↵ (8), the unit switches immediately back to the basic mode with the new setting. You can also wait for 6 s, until the unit jumps into the basic mode by itself with the new setting and a ringing signal tone.

Now the writing **Monitor** is no longer visible in the display.

6) Dual watch function
This function allows you to watch activity on two channels at a time, until it has found an occupied one. In this case the squelch opens and the unit stops on that channel. The following instructions show how to activate the dual watch function:

First select the first survey channel. Then select the dual watch function by pressing the menu key & (5) seven times. In the display appear flashing the number of the actual channel with its CTCSS code number. Besides the flashing channel number and CTCSS code number you can see constantly also the dual watch symbol **DW** and the battery symbol. Select now the second survey channel with the help of the keys ▲ (7) and ▼ (6). The entry can only be made as long as the channel number and the CTCSS code number are still flashing. Now the channel number and CTCSS code number appear also constantly. If on none of both survey channels is received a signal, the unit will step from one channel to the other two times every second. Independent from the CTCSS setting of each channel, the CTCSS code number in the display is always **00** during the surveying procedure. The dual channel survey stops on every occupied channel and stays there, as long as the signal keeps the squelch open. In this period the dual colour indicator LED (15) lights up green and the symbols **RX** and ▼⊪ appear in the display. In the case that the received signal carries also a CTCSS tone, the corresponding code number appears right beside the channel number. If the signal drops below the squelch threshold, the channel number and the CTCSS code number begin to flash. If there is no signal for at least 4 seconds, the dual channel survey procedure continues searching.

You can select at every time another second survey channel with the help of the up/down keys ▲ (7) and ▼ (6).

To stop the dual watch function depress briefly the enter key ↵ (8).

If the dual watch function is terminated in that moment during which the unit is staying on an occupied channel, the unit will use this channel as actual channel. In addition it will take over that CTCSS code for this channel, which the station on that channel has been used at the halt of the dual watch function.

If the dual watch function is terminated in that moment during which the unit is stepping between both channels, the unit will jump back to that channel, which has been the actual one on starting the dual watch function. In this case the previous CTCSS settings of all channels remain unchanged.

7) VOX function
While the VOX function is active, the unit switches automatically to transmit mode when the sound level at the built-in microphone **mic** (12) is above a certain threshold. That sound will also be broadcasted with the actual CTCSS and scrambler settings. If the voice loudness at the microphone remains below this threshold for a certain time, which is called the VOX delay time, the radio switches back to receive mode. Thus you can communicate without having a hand at the unit. If the squelch is open because of a received signal the VOX function is inhibited. The following instructions show how to activate the VOX function and how to work with it:

Depress the menu key & (5) eight times, so that a flashing numerical digit appears in the lower right corner of the LCD window. The flashing digit indicates the currently adjusted VOX sensitivity level. The higher the value of the number is, the higher is the VOX sensitivity. The unit is ready for adjusting the VOX sensitivity now. Besides the flashing VOX sensitivity level number you can see only the actual channel number, its CTCSS code number, the writing and the battery symbol. The VOX adjustment is only possible as long as the digit flashes.

Press the up key ▲ (7) to increase the VOX sensitivity level number for one step.
Press the down key ▼ (6) to decrease the VOX sensitivity level number for one step.

Pressing the keys for one second will make the VOX sensitivity level numbers change quickly. The VOX sensitivity level numbers step in a ring like system. That means you go from level number **4** via code **OF** to code **1** and vice versa. If the selected code is, the VOX function is switched off.

If you press the enter key ← (8), the unit switches immediately back to the basic mode with the new setting. You can also wait for 6 s, until the unit jumps into the basic mode by itself with the new setting and a ringing signal tone.

In basic mode you can see the writing, if the VOX function is active. If the VOX function is not active, the writing is invisible.

If you talk at active VOX function loud enough into the microphone *mic* (12), the dual color indicator TX (15) lights up red and the symbol *TX* appears in the display. 1 to 2 seconds after you have finished your message the unit switches back to receive mode, which is indicated by the disappearance of the symbol *TX* and the switching off of the dual color indicator TX (15).

If you adjusted the VOX sensitivity at a too high level in a noisy area, it is possible that the transmitter starts to work unwanted. By depressing the enter key ← (8) for 2 seconds the VOX activated transmitter can be inhibited for 4 seconds. During this time you have time to reduce the VOX sensitivity.

8) Automatic-Power-Off function

If the automatic-power-off function (APO function) is active the unit switches itself off automatically after a predetermined time. The following instructions show how to activate the APO function and to select another predetermined switch-off time.

Depress the menu key & (5) nine times, so that a flashing numerical digit appears in the lower right corner of the LCD window. This digit indicates the number of hours, which has to pass after the last key entry or the last reception of a signal, until the unit switches itself off. The unit is ready for adjusting the predetermined switch-off time now. Besides the flashing hour number of the APO function you can see only the actual channel number, its CTCSS code number, the writing *APO* and the battery symbol. The APO function adjustment can only be made as long as the hour number of the APO function is still flashing.

Press the up key ▲ (7) to increase the hour number.
Press the down key ▼ (6) to decrease the hour number.

Pressing the keys for one second will make the hour numbers change quickly. The hour numbers step in a ring like system. That means you go from 1, 2, 3 and 6 hours via 0 hours to 1 hour and vice versa. If you selected 0 hours, the APO function is switched off.

If you press the enter key ← (8), the unit switches immediately back to the basic mode with the new setting. You can also wait for 6 s, until the unit jumps into the basic mode by itself with the new setting and a ringing signal tone.

In basic mode you can see the writing *APO*, if the APO function is active. If the APO function is not active, the writing *APO* is invisible.

If the APO function is active, and if for a period of the predetermined switch-off time no key entry has been made, or no reception of a signal has occurred, the display will change and show only the writing *APO* and the flashing writing *OF* at the location of the CTCSS code number. You will hear 8 warning tones in the loudspeaker. During this short period you will have the last chance to stop the automatic shut-off procedure by pressing the enter key ← (8). After this time has run out, the unit will switch itself off.

9) Stop-watch function

To call up the stop-watch function depress the menu key & (5) ten times. The display will build up the writing ⏱ᴼᴼ out of the channel number display *218* and the CTCSS number display *88* and show also the number *00* out of the two digits on the lower right side. Besides these numbers you can see also the battery symbol and the stop-watch symbol ⏱ which indicates that the stop-watch function is active now.

The following operations are valid if the stop watch is holding:

Press the up key ▲ (7) to make the stop watch continue counting.
Press the down key ▼ (6) to reset the stop watch to zero.

The following operations are valid if the stop watch is running:

Press the down key ▼ (6) to hold the stop watch with the actual time.

The number *00* out of the two digits on the lower right side counts the seconds. The number at the location of the CTCSS codes counts the minutes. The number at the location of the channel numbers counts the hours.

All directly accessible functions of the unit can be operated, except the scan function. The receiver remains with the last CTCSS and scrambler settings on that channel where the stop-watch function was called up. All adjustments of the menu-activated functions remain unchanged. If a signal opens the squelch or the transmitter works, the display switches back to the actual channel number and its CTCSS code number and the other indications. Only the stop-watch symbol ⏱ remains in the display, reminding you that the stop watch settings remain unchanged during this time. After the transmitter is switched off and/or the receiver signal has disappeared, the stop-watch numbers return in the LCD window.

To deactivate the stop-watch function you have to press briefly either the enter key ← (8) or the menu key & (5). The unit switches back to the basic mode.

Additional Information for the TEAM ScramTalk-808

1) Safety

The unit radiates in transmit mode RF energy. To reduce the exposure at the lowest possible value, and to benefit as much as possible of the features of the unit, you should take into account the following advice:

In transmission mode keep the ScramTalk-808 in a vertical position at a distance of 2 to 3 inches from your face. Keep the antenna at a distance of at least 1 inch away from your head and your body.

If you carry the unit on your body and if the unit is in transmit mode, make sure that the antenna is kept at a distance of at least 1 inch away from your body.

2) Service

The condition of the batteries must be tested from time to time. Worn out batteries must be removed from the unit immediately. They can leak and damage the device. The batteries should always be replaced as a complete set

Worn out batteries do not belong in the waste bin, but must be returned to a suitable collecting depot or to a special dealer, for the sake of the environment.

There are no user adjustable or user serviceable parts inside the radio. The casing must not be opened. Independent repairs or adjustments must not be carried out, since each modification or unauthorised intervention will immediately cancel all and any guarantee or repair claims, they are also likely to result in nonconformity to ETS regulations which will render the set to become illegal.

In the event a defect becoming apparent, contact a properly equipped and authorized TEAM dealer or TEAM directly.

3) Conformity

The portable transceiver TEAM ScramTalk-808 complies with the rules of the European Directive R&TTE and meets the European Telecommunication Standards ETSI EN 300 296-2 v.1.1.1 (2001-03), ETSI EN 301 489-5 v.1.2.1 (2000) and EN 60065 : 1998 + CORRIGENDUM : NO. 1 : 99. The desktop charger complies with the rules of the European Directive 89/336/EEC and meets the Standards EN 55014-1 : 2000+A1 : 2001, EN 61000-3-2 : 2000, EN 61000-3-3 : 1995+A1 : 2001 and EN 55014-2 : 1997+A1 : 2001.

This product is meant for distribution and sale in the following European countries:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Italy, Lithuania, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Great Britain, Switzerland.

4) Technical Data

Table CTCSS Codes and corresponding Frequencies

Channel No. - Frequency (MHz)

1 - 67.0	14 - 107.2	27 - 167,9
2 - 71.9	15 - 110.9	28 - 173.8
3 - 74.4	16 - 114.8	29 - 179.9
4 - 77.0	17 - 118.8	30 - 186.2
5 - 79.7	18 - 123.0	31 - 192.8
6 - 82.2	19 - 127.3	32 - 203.5
7 - 85.4	20 - 131.8	33 - 210.7
8 - 88.5	21 - 136.8	34 - 218.1
9 - 97.5	22 - 141.3	35 - 225.7
10 - 94.8	23 - 146.2	36 - 233.6
11 - 97.4	24 - 151.4	37 - 241.8
12 - 100.0	25 - 156.7	38 - 250.3
13 - 103.5	26 - 162.2	

Table Channel Number and corresponding Frequencies

Channel No. - Frequency (MHz)

1 - 446.00625	5 - 446.05625
2 - 446.01875	6 - 446.06875
3 - 446.03125	7 - 446.08125
4 - 446.04375	8 - 446.09375

Table scrambling codes and corresponding conversion frequencies

Scrambling Codes - Conversion Frequency [Hz]

1 - 3500
2 - 3150
3 - 3250
4 - 3400

Optionales Zubehör • additional accessories
accessoires optionelles • accessori addizionali

BabyMic-35
• Mikrofon mit 4 m Kabel
• microphone with 4 m cable
• Microphone câble de 4 m
• Microfono con cavo di 4 m

1-Pin 3,5 mm
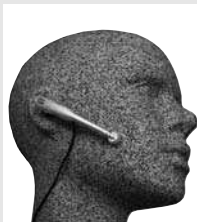
PR2048

HXM-TC
Art.-Nr. PR2037

SilverBoom-35
• Ohrhörer mit integriertem Mikrofon und PTT-Taste
• earphone with integrated microphone and PTT-button
• kit piéton avec microphone perche et bouton PTT
• microfono auricolare con gambo del microfono fisso e tasto PTT

1 Pin - 3.5 mm - Stereo

Art.-Nr. PR2045

HS-105TC
Art.-Nr. PR2039

DJ-35
• Nackenbügel-Kopfhörermikrofon mit PTT-Taste
• behind-the-neck microphone / headset with PTT-button
• Casque monaural avec bras du microphone semiflexible et bouton PTT
• Cuffia monoaurale con archetto di nuca e gambo del microfono flessibile e tasto PTT
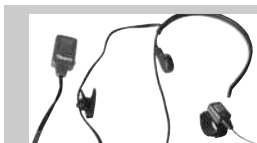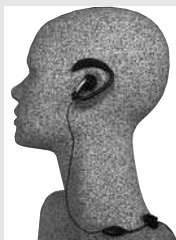
1 Pin - 3.5 mm - Stereo

Art.-Nr. PR2042

OCM-TC
Art.-Nr. PR2055
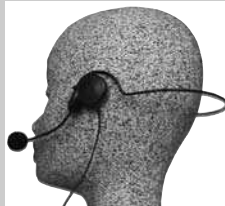
OEM-TC
• Ohrhörermikrofon mit Ohrbügel, Befestigungsclip und PTT-Taste
• microphone / headset with earpiece, clip and PTT-button
• oreillette / microphone avec clip de fixation et touche PTT
• microfono / auricolare con clip e tasto PTT

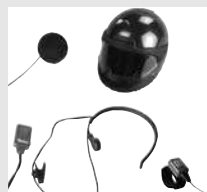1 Pin - 3.5 mm - Stereo

Art.-Nr. PR2035

OSM-TC
Art.-Nr. PR2056

KXM-446TC
Art.-Nr. PR2036

DM-485TC
Art.-Nr. PR2038

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59

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