

# TeCom-508

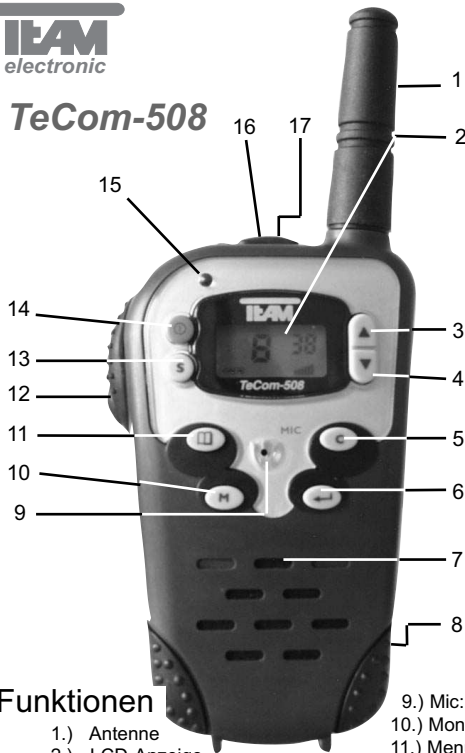
*Public Mobile Radio*

Bedienungsanleitung  
Operation Instruction  
Mode d'emploi  
Manuale d'istruzioni  
Manual de usuario



**TEAM**  
*electronic*

# TeCom-508



## Funktionen

- 1.) Antenne
- 2.) LCD-Anzeige
- 3.) Aufwärts-Taste
- 4.) Abwärts-Taste
- 5.) Ruftontaste
- 6.) Eingabe-Taste
- 7.) Lautsprecher
- 8.) Batteriefach



- 9.) Mic: Mikrofon
- 10.) Monitor-Taste
- 11.) Menü-Taste
- 12.) PTT-Taste
- 13.) Scan-Taste
- 14.) Ein/Aus-Taste
- 15.) TX-LED
- 16.) Buchse SP/MIC
- 17.) Gürtelclip



## Features

- 1.) Antenna
- 2.) LCD Screen
- 3.) Up Key
- 4.) Down Key
- 5.) Call Tone Key
- 6.) Enter Key
- 7.) Speaker
- 8.) Battery Compartment
- 9.) Mic: Microphone
- 10.) Monitor Key
- 11.) Menu Key
- 12.) PTT Key
- 13.) Scan Key
- 14.) On/Off Key
- 15.) TX LED
- 16.) Jack SP/MIC
- 17.) Belt Clip

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## Funciones

- 1.) Antena
- 2.) Pantalla LCD
- 3.) Tecla ascendente
- 4.) Tecla descendente
- 5.) Tecla de tono de llamar
- 6.) Tecla Enter
- 7.) Altavoz
- 8.) Compartimento para baterías
- 9.) Microfono
- 10.) Pulsador monitor
- 11.) Tecla Menu
- 12.) PTT
- 13.) Tecla Scan
- 14.) Encendido / Apagado
- 15.) LED de transmision
- 16.) Clavija SP/MIC
- 17.) Pinza de cinturon

Espanol Pagina 47 - 57

## Fonctions

- 1.) Antenne
- 2.) Affichage LCD
- 3.) Touche vers le haut
- 4.) Touche vers le bas
- 5.) Touche d'appel
- 6.) Touche d'entrée
- 7.) Haut-parleur
- 8.) Compartiment des piles
- 9.) Microphone
- 10.) Touche Monitor
- 11.) Touche Menu
- 12.) Touche PTT
- 13.) Touche Scan
- 14.) Touche Marche/Arrêt
- 15.) Lampe TX
- 16.) Prise SP/MIC
- 17.) Clip de ceinture



Français Page 26 - 35

## Funzioni

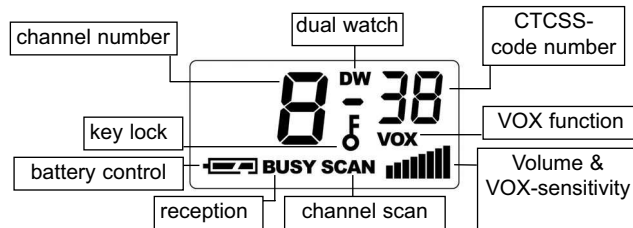
- 1.) Antenna
- 2.) Indicatore LCD
- 3.) Tasto crescente
- 4.) Tasto discendente
- 5.) Tasto della suoneria
- 6.) Tasto di conferma
- 7.) Altoparlante
- 8.) Alloggio pile
- 9.) Microfono
- 10.) Tasto Monitor
- 11.) Tasto Menu
- 12.) Tasto PTT
- 13.) Tasto Scan
- 14.) Tasto Marcia/Arresto
- 15.) Spia TX
- 16.) Presa per SP/MIC
- 17.) Clip della cintura

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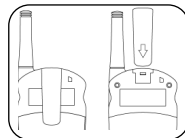
## LC-Display



<b>SCAN</b>	Indicates active channel scan function
	Indicates active key lock function
<b>BUSY</b>	Indicates incoming receiver signals
<b>8</b>	The channel number can be set by the user between 1 - 8
<b>38</b>	The CTCSS-code number can be set by the user between 0 -38
	Indicates the actual battery level
	Indicates the actual volume level
<b>DW</b>	Indicates active dual watch function
<b>VOX</b>	Indicates active VOX function

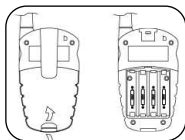
## Setting up the TEAM TeCom-508

### Removing and mounting of the belt clip



To remove the belt clip, turn the rear panel toward you. The latch of the belt clip 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.



### Inserting the batteries

To insert the batteries, turn the rear panel toward you and remove the belt clip if necessary. The battery compartment lid ( 8 ) is located right below the type plate. Push down the latch of the lid and pull it toward you.

Now insert 4 AAA ( = Micro ) alkaline batteries or the optional accu-pack of the Twin Power Pack 508 into the battery compartment according to the indicated polarity signs.

To close the battery compartment ( 8 ), place the guide pins, located at the bottom of the battery compartment lid, into their holes. Next, push the latch against the unit until it snaps in.

## Operation of the TEAM TeCom-508

### 1) To Turn the Unit On/Off

To turn on the unit, depress the On/Off key ① ( 14 ) for about 1 or 2 seconds. Two short receipt tones can be heard from the speaker ( 7 ). During the short initial self-test, which takes approximately 1 second, all symbols can be seen on the display. Now the unit is in receive mode.

To switch off the unit, depress the On/Off key ① ( 14 ) for about 1 or 2 seconds. A long tone can be heard and all symbols disappear from the display. The last settings remain in memory.

### 2) Battery level indicator

The battery symbol in the lower left corner of the display indicates the battery level. As long as both bars are visible inside the icon, the batteries are sufficiently charged. If the supply voltage drops below 4.4 V, the left bar disappears. If the supply voltage drops below 4.2 V, the other bar disappears also, and the battery symbol

starts blinking and a melody can be heard every 14 seconds. That means that you have to change or charge the batteries. The unit will automatically shut off if the supply voltage drops below 3.8 V. The TeCom-508 is equipped with a battery-saving-function. If there is no signal on the actual channel for at least 6 seconds, and if no key is pressed during this period, the battery-saving-function starts automatically. While this function is active, the unit checks the actual channel for incoming signals in regular intervals. The current consumption in the power down mode drops down to 13 mA. If you don't use the unit it is better to switch it off. Should you not use the unit for a longer period of time, we recommend you to remove the batteries.

### 3) Volume level adjustment

The bar meter in the lower right corner of the display shows the current volume level. Press the up key ▲ ( 3 ) to increase the volume level adjustment for one step. Press the down key ▼ ( 4 ) to decrease the volume level adjustment for one step. Pressing the keys for one second will make the volume level adjustment change quickly. The pitch of the confirmation tone depends on the current volume level. The limits of the volume range are indicated by two high signal tones.

### 4) Disabling the noise suppression

The receiver is equipped with a circuit ( squelch ) that mutes the receiver if there is no station available on the actual channel to reduce the noise. If a signal is received, the squelch immediately turns on the speaker, so you can hear the station. In case the squelch lets signals pass, the LED turns green and the symbol **BUSY**, to the right of the battery symbol, appears and indicates that the channel is occupied. The squelch function can be disabled with the monitor function, to hear weak stations that are normally suppressed by the squelch. To turn off the noise suppression, press the monitor key **M** ( 10 ). The symbol ( = **BUSY** ) will appear in the display. If there is no station on the actual channel,

you hear a noise in the speaker. To reactivate the squelch press the monitor key **M** ( 10 ) again. If there is no station on the actual channel, the symbol (= **BUSY**) disappears from the display.

### 5) Voice transmission

Radio contact is only possible with stations that work on the same channel. Before transmitting, listen whether the actual channel is free. Do not send signals on occupied channels. To transmit depress and hold the PTT key ( 12 ). During transmission, the TX control lamp ( 15 ) is red and all keys are disabled, except for the ON/OFF key. The sensitivity of the built-in microphone ( 9 ) is set for speaking at a distance of 2 - 3 inches. Speaking too loud will cause distortions and makes the signal difficult to understand. On completion of the transmission release the PTT key and the set will return to receive mode.

### 6) Call tone transmission

By pressing the call tone key **C** ( 5 ), you can transmit a call signal. The call signal will be transmitted for three seconds and is also audible in the internal speaker ( 7 ). All stations in the neighbourhood that are on the same channel will hear it. Once the call tone is finished, the unit will switch back to receive mode.

### 7) LCD window illumination

By pressing the enter key  $\leftarrow$  ( 6 ), the backlight of the LC display is turned on for four seconds. The LCD backlight will also be switched on if the menu key  $\equiv$  ( 11 ) is pressed.

### 8) Key lock function

The key lock function disables all keys except for the PTT key, the call tone key and the ON/OFF key. To enable the key lock function, depress the enter key  $\leftarrow$  ( 6 ) for 2 seconds until the key lock symbol appears in the display to the right of the the channel number, accompanied by a confirmation tone. To deactivate the key lock,

depress the enter key  $\leftarrow$  ( 6 ) again for 2 seconds until the key-lock symbol disappears.

### 9) Channel selection

The TeCom-508 has 8 channels. The following instructions show how to select a channel:

Depress the menu key  $\equiv$  ( 11 ) one time, until the number of the actual channel flashes in the LCD window. The channel selection must be done as long as the channel number is still flashing, otherwise the unit returns to the normal mode without changing the channel. Press the up key  $\blacktriangle$  ( 3 ) to increase the channel number by one, and press the down key  $\blacktriangledown$  ( 4 ) to decrease the channel number by one. Pressing the keys for one second will make the channel number change quickly. The pitch of the confirmation tones depends on the current channel number. The channels step in a ring like system. To terminate the channel selection and to return to the normal receiving mode, press the enter key  $\leftarrow$  ( 6 ). No channel selection is possible in key lock mode.

### 10) CTCSS

CTCSS stands for *continuous tone coded squelch system* and is used to suppress unwanted signals on the actual channel. With CTCSS a tone in the frequency range of 67 – 250 Hz with a low level is added to the signal. With CTCSS, all sent signals contain a CTCSS code and all incoming signals will be filtered for this set CTCSS code, i.e. only signals with the selected CTCSS code will be received.

TeCom-508 has 38 different CTCSS codes available. When using the code number 0, the CTCSS function is disabled. With TeCom-508 it is possible to set for each channel individual CTCSS codes. To activate the CTCSS function press the menu key  $\equiv$  ( 11 ) twice. The CTCSS number in the upper right corner of the display will start blinking. To set the CTCSS code use the up- and down keys ( 3 & 4 ). To confirm your selection press :

- a) the enter key  $\leftarrow$  ( 6 )
- b) the call tone key **C** ( 5 ), or
- c) press the menu key  $\equiv$  ( 11 ) another three times.

The table of the CTCSS frequencies can be found on page 15.

### 11) Channel scan function:

If the channel scan function is activated, 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. To start the channel scan function press the scan key **S** ( 13 ). The scan symbol (= **SCAN** ) will appear on the bottom of the display. The scanning stops on every occupied channel. It continuous searching 4 seconds after the signal has dropped below the squelch threshold.

To deactivate the scan function and to stay on the actual channel, press the :

- a) scan key **S** ( 13 )
- b) enter key  $\leftarrow$  ( 6 ).

### 12) Dual watch function

This function allows you to monitor two channels at a time. The following instructions show how to activate the dual watch function:

First, select the first survey channel. Then, press the menu key  $\equiv$  ( 11 ) four times until the dual watch symbol ( = **DW** ) starts blinking in the LCD. Now, select the second channel with the keys  $\blacktriangle$  ( 3 ) or  $\blacktriangledown$  ( 4 ). The dual watch symbol ( = **DW** ) appears constantly and the receiver switches twice per second between the two selected channels. If one of the two selected channels receives a signal, the receiver remains on that channel until the signal ends, before it goes back to switching back and forth between the selected channels.

To deactivate the dual watch function, press :

- a) the enter key  $\leftarrow$  ( 6 ),
- b) the PTT key ( 12 ),
- c) the call tone key **C** ( 5 ), or
- d) the menu key  $\equiv$  ( 11 ).

### 13) VOX function

While the VOX function is active, the unit switches automatically to transmit mode when the sound level at the microphone ( 9 ) is above a certain threshold. If the volume level at the microphone ( 9 ) 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 disabled. The following instructions show how to activate the VOX function and how to work with it:

Depress the menu key  $\equiv$  ( 11 ) three times until the VOX symbol ( = **VOX** ) flashes in the LCD. Now, the VOX sensitivity needs to be set. To increase or decrease the VOX sensitivity, use the up- and down-keys  $\blacktriangle$  ( 3 ) and  $\blacktriangledown$  ( 4 ).

The bar meter in the lower right corner of the display, which normally indicates the volume level, shows the current VOX sensitivity. The pitch of the confirmation tone does not depend on the current VOX sensitivity. At the ends of the adjustment range two high signal tones are audible. If the VOX sensitivity is set to the lowest possible value, so that no bar is visible, the VOX function is deactivated.

To return to the normal receiving mode, press :

- a) the enter key  $\leftarrow$  ( 6 ) once,
- b) the PTT key ( 12 ) once, or
- c) the menu key  $\equiv$  ( 11 ) twice.

## 14) Charging the TeCom-508 with the double-desktop charger Twin Power 508

The optional accessory pack Twin Power Pack 508 has to be purchased separately. It is not included in the set. It contains the desktop charger Twin Power 508, the adapter and 2 accu-packs.

Follow the following steps when using the charger :

Make sure the set is turned off when charging the batteries. The desktop charger Twin Power 508 can only be used with the supplied accu-pack. It is not possible to use the charger with any usual kind of rechargeable batteries. New accu-packs need to be charged for 14 hour prior to the first use. After that, it takes approximately 6 hours to fully recharge empty batteries.

Insert the accu-pack into the TeCom-508. Connect the adapter with an outlet ( 220 V / 50 Hz ) and the charger's power jack. Insert the set properly into the charger. Make sure that the contacts of the charger touch the contacts of the set, positioned at the lid of the battery compartment. The LED of the corresponding charging slot will light red if the set is positioned properly.

During the charging process, no symbols will be seen in the display of the TeCom-508. Also, the end of the charging process is not indicated.

### Safety

The unit radiates RF energy in transmitting mode. To reduce the exposure to the lowest possible value and to benefit the most of the set's features, keep the following in mind :

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

### Service

The condition of the batteries must be tested from time to time. Empty batteries should be removed immediately from the set.

They can leak and damage the device. Always replace the batteries as a complete set.

Empty batteries do not belong into 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 unauthorized intervention will immediately cancel all and any guarantee or repair claims, they are also likely to result in non-conformity to ETS regulations which will render the set to become illegal.

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

### Conformity

The transceiver TEAM TeCom-508 complies with the rules of the European Directive R&TTE and meets the European Telecommunication Standards EN 300 296-1/-2, EN 301 489-5 & EN 60950.

Channel number	Frequency (MHz)
1	446.00625
2	446.01875
3	446.03125
4	446.04375
5	446.05625
6	446.06875
7	446.08125
8	446.09375

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

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

Optionales Zubehör • additional accessories  
accessoires optionelles • accessori addizionali  
accesorios opcionales

**Twin Power Pack 508**

Inhalt : 1 Doppel-Standladegerät mit Adapter und 2 Akkupack  
content : 1 double desktop-charger with adapter and 2 accu-packs  
contenu : 1 chargeur double avec adaptateur et 2 paquet des piles rechargeables  
soddisfare : 1 doppio caricatore con l'adattatore e 2 pacchetti delle batterie ricaricabili  
contenido : 1 cargador de sobremesa doble con el adaptador y 2 paquete de la batería



Art.-Nr. 2034

**OEM-TC**

Ohrhörermikrofon Ohrbügel, Befestigungsclip und PTT-Taste  
microphone / headset with earpiece, clip and PTT-button  
oreillette / microphone avec clip de fixation et touche PTT  
microfono / auricolare archetto con clip e tasto PTT  
microfono / auricular con el clip y un botón de PTT  
1 Pin - 3.5 mm - Stereo



Art.-Nr. PR2035

**Neoprentasche**

• Neopren-Gürteltasche • neoprene-belt-carrying bag • sac de néoprène pour la ceinture • sacchetto trasportante di neoprene per la cinghia • funda de neopreno para el cinturón  
Art.-Nr. LP2054

**MH-900**

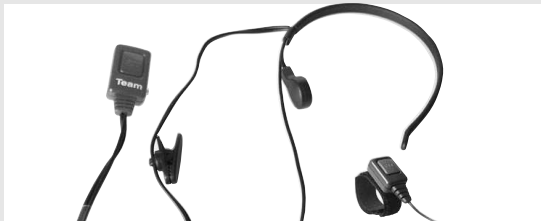
universal Mobilhalter für die Windschutzscheibe  
universal cradle for the windshield  
berceau universel pour le pare-brise  
culla universale per il parabrezza  
horquilla universal para el parabrisas  
Art.-Nr. LP2060



### KXM-446TC

- Kehlkopfmikrofon mit Ohrhörer, Befestigungsclip und abgesetzter PTT-Taste
- throat microphone with an earphone, a clip and a remote PTT-button
- microphone de gorge avec une oreillette, une clip de fixation et une touche PTT
- microfono della gola con un auricolare, una clip e un tasto di PTT
- micrófono por laringe con un auricular, un clip y un botón de PTT

1 Pin - 3,5 mm - Stereo



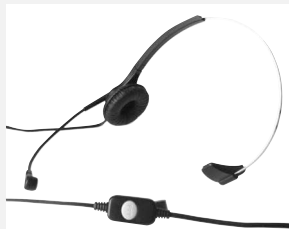
Art.-Nr. PR2036

### HS-105TC

- Kopfhörer-Mikrofon mit Befestigungsclip und PTT-Taste
- microphone / headset with a clip and a PTT-button
- oreillette / microphone avec clip de fixation et touche PTT
- microfono / auricolare con clip e tasto PTT
- micrófono / auricular con un clip y un botón de PTT

1 Pin - 3,5 mm - Stereo

Art.-Nr. PR2035



### HXM-446TC

- Kehlkopfmikrofon mit flachem Lautsprecher für den Helm, Befestigungsclip und abgesetzter PTT-Taste
- throat microphone with a flat speaker for the helmet, a clip and a remote PTT-button
- microphone de gorge avec une haut-parleur plat pour le casque, une clip de fixation et une touche PTT
- microfono della gola con un altoparlante per un casco, un clip e un tasto de PTT
- micrófono por laringe con un altavoz plano para un casco, un clip y un botón de PTT

1 Pin - 3,5 mm - Stereo

Art.-Nr. PR2037



### DM-485TC

- Lautsprechermikrofon
- speaker-microphone
- haut-parleur / microphone
- altoparlante / microfono
- micrófono de altavoz

1 Pin - 3,5 mm - Stereo

Art.-Nr. PR2038



Bitte nur geeignete Original TEAM Zubehörteile verwenden.  
Please, use original TEAM accessories only.

N'utilisez que des accessoires TEAM originaux, s'il vous plaît!  
Solamente utilizzare degli accessori TEAM originali, per favore!  
Utilice los accesorios originales de TEAM solamente, por favor.

TEAM TeCom-508 for sale and use in :

- Austria • Belgium • Denmark • Finland
- France • Germany • Greece • Italy
- Luxembourg • Netherlands • Norway
- Portugal • Spain • Sweden • Switzerland • U.K.



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