

P500 USER MANUAL

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BASIC DATA

GENERAL INFORMATION ABOUT P500

P500 is a portable radio station, intended for bidirectional transfer of speech within private mobile radio systems of the type MRS 3000 / 5000. The portable can also send status in the system, not receive.

A typical P500 feature is that each station can be programmed individually with regard to the station's function in the specific MRS network as well as to use of buttons, indicators and symbols and the design of texts and symbols in the display window. Consequently, each station can be optimally adapted to specific communication requirements and to individual requirements on simple use. All programming is executed by Ericsson Mobile Communications or one of the distributors by means of standard PC equipped with special software.

In addition to the individual programming, P500 is characterized by its rugged design which guarantees satisfactory function even in environments with extreme heat, extreme cold or high humidity. The console is made of impact resistant light-weight metal.

Important !

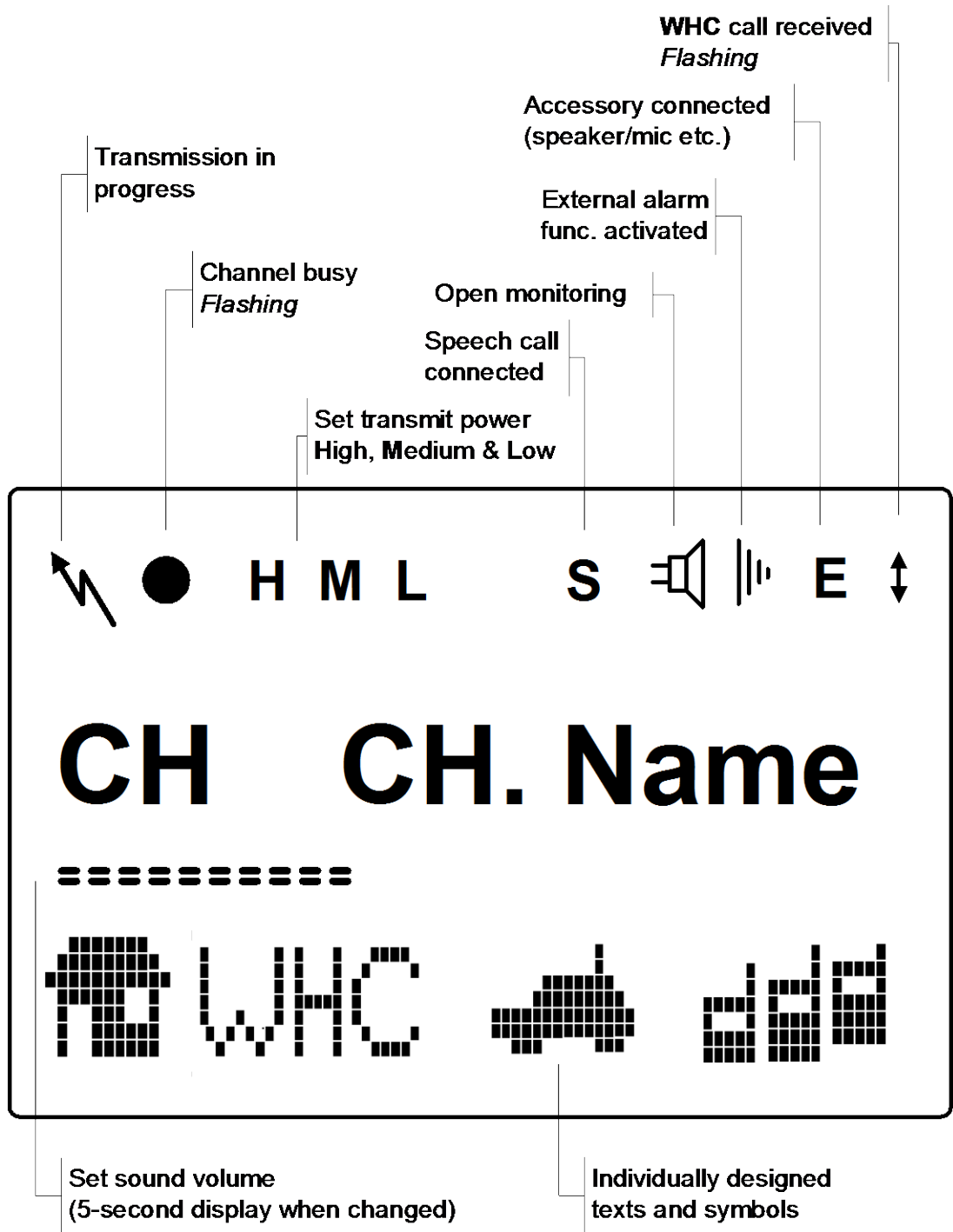
As a consequence of the above, this manual does not describe the individual programming and use of individual stations. Only the basic operation is described.

DISPLAY

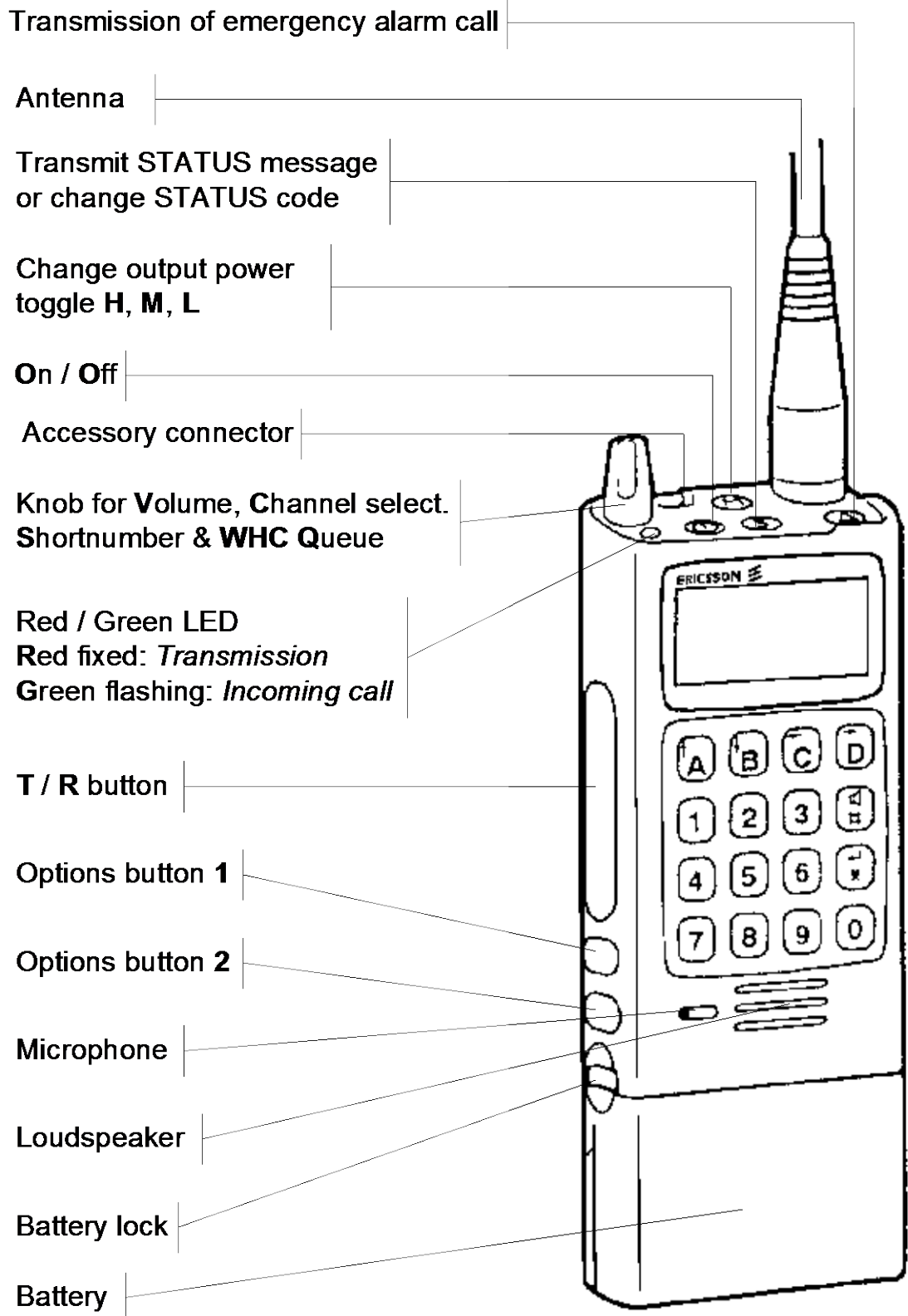
The figure below is an example of how to use the symbols on the top line of the display. Each symbol may have a completely different meaning.

The bottom lines are also only examples.

See further in the section Operation - Basics.

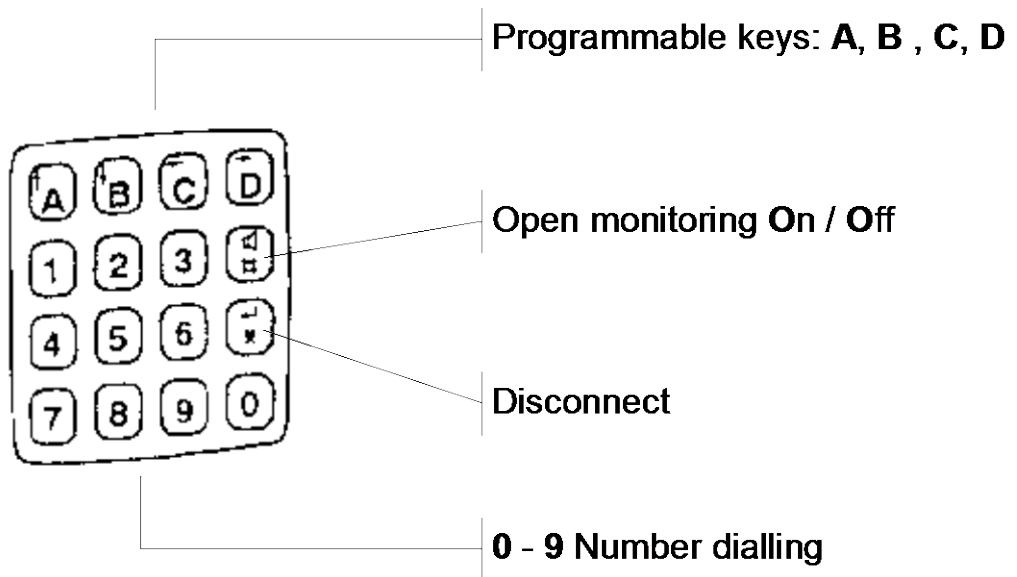


BUTTONS AND KEYS



Since most buttons may be assigned functions completely in accordance with individual requirements, the figure to the left should merely be seen as an example of programmed station.

- A - D Selects functions according to the respective symbol on the bottom line of the display.
- LS "Open monitoring" on/off.
- * Disconnects call and cancels a selected function.
- 0 - 9 Number dialling.



TYPICAL MRS FUNCTIONS

INDIVIDUAL CALL

Individual call refers to calls to individual radio stations. A called-up station has a specific call number, similar to the specific telephone number of a telephone unit. Your P500 may have up to three individual call numbers.

The tone receivers are called I, J & K in the P500 Coach Program !

GROUP CALL

A group number is a 5-digit call number that has been programmed in several radio stations to make it possible for, for example, the base to call them all at the same time. When a group call is received, all members of the group can hear what is said on the channel in use.

Your P500 station may be programmed to receive calls on three different group numbers, meaning, for example, that you may belong to three different working teams.

The tone receivers are called S, L & M in the P500 Coach Program !

OPEN MONITORING

"Open monitoring" means that you can listen continuously to radio traffic *on one channel* with your station whilst at the same time being ready to receive calls on other channels, if there is no carrier on the *selected channel*. Turn on the function on/off with the key LS.

WHC CALL

If your station is on but you do not answer an incoming call, the station may receive and store the call number of the calling station. The function is called WHC ("**W**ho **H**as **C**alled ?").

Your station can store as many as **15 WHC calls**. A specific number is only stored once, even if the same calling party sends several WHC calls. When your station has received a WHC call, the symbol "arrow up & down" on the display flashes.

STATUS

With your P500 station, you may readily transmit an optional or preset status code to, for example, the base. Each status code consists of a number between 0 and 99 and may have the meaning "work completed", "out for lunch", "ready for new job", etc.

Generally, the destination number for status calls, e.g. the call number of the base, is factory-set.

CHANNELS AND CHANNEL GROUPS

In radio systems of the type MRS 3000 / 5000, the word channel is also used to refer to a channel group comprising several channels. When you communicate via channel a group, the system selects a suitable channel within the group.

OPERATION BASICS

MAIN MENU

When your P500 station is in stand-by mode, the display shows a main menu which may for example look like the figure on page 3.

INCOMING CALL

On an incoming individual call, press the T/R button and answer the call. The station's microphone and loudspeaker are located next to each other, immediately below the numeric keys. Hold the station 10 to 15 cm from your mouth when speaking.

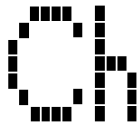
At an incoming group call, you will hear the voice of the calling party in the loudspeaker immediately. Normally, you do not have to answer the call.

OUTGOING CALL

To effect an outgoing call, enter the call number and press the function button immediately below the symbol "Arrow up". If you want to retrieve the call number from, for example, the list of abbreviated numbers or the WHC queue, press the function key under the respective symbol; the display then changes to a submenu with further instructions.

SYMBOLS AND ABBREVIATIONS

Below are some examples of symbols and abbreviations often used on the bottom line of the different menus.



Channel selection



Call back to station(s) that transmitted WHC calls.



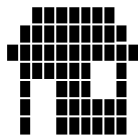
Change of STATUS
(possibly also transmission)



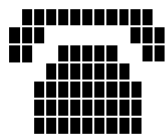
Call to station included in the list of abbreviated shortnumbers.



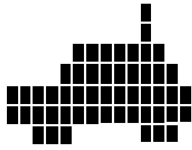
Call via the radio system's radio exchange to telephone subscriber.



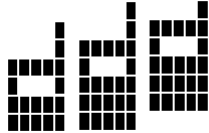
Call to the BASE (office)



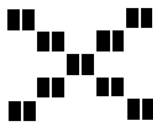
Same function as Tel, see above.



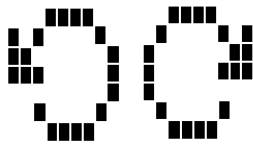
Individual call to other radio station.



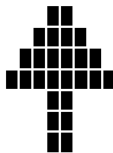
Group call to several portable or mobile radio stations.



Deletes the displayed WHC number.



Scrolling up or down in WHC list, abbreviated number list or channel list.



Initiates the call.

KEY FEATURES

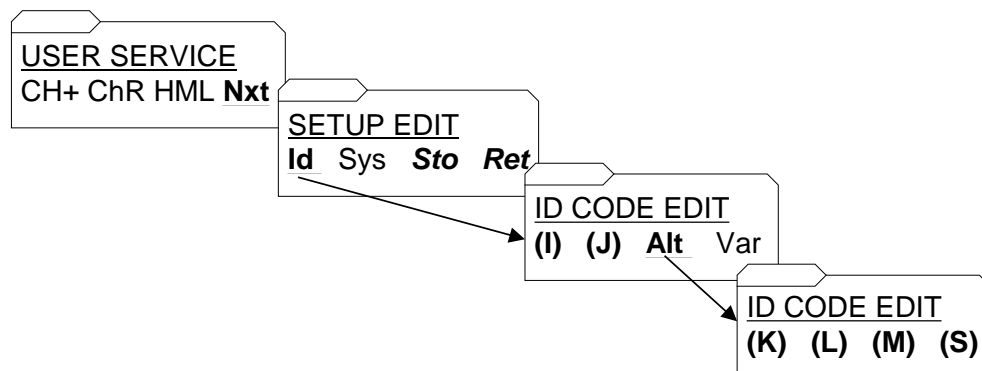
Service Menu

To gain access to Service Mode, in Off position press Red alarm button and the On/Off button until the name of the station code file is displayed, then release the buttons.

Then press 1001* for entering the Service Menu.

Chose **Nxt**, **Id** and then the specific preprogrammed tone receiver to change. (Individual = **I, J, K**; Group = **L, M, S**)

After changing the tone receiver, press * until **Sto** appears on the display. Store the new tone receiver data by pressing **Sto**.



P500 Coach Program Data

After entering the service mode, you can press the A button for Coach program information.

10049506091141

- 1004 P500 PC Coach Program revision.
- 950609 Date of creating the Coach Program.
- 1141 Time of creating the Coach Program.

HARDWARE SWITCH OFF

If you are unable to switch off the portable normally, you can press the On/Off button for 5 seconds and then it will be switched off.

SOFTWARE RESET

If you want to erase the personality coach file press *Option button 1 & 2* and switch off with *On/Off- button*. Then you have to reprogramme the Coach file from PC.

BATTERY CHARGING

Charging a completely discharged battery takes just over an hour.

The Charging may be done with the station ON or OFF. The battery may also be charged separately, i.e. without being mounted on the radio station.

The charging time is dependent on the battery temperature. Always charge batteries in normal room temperature, and avoid charging in direct sunlight.

If possible, do not charge a battery until it has been completely discharged. The best thing to do is to wait until the station requests to be charged (beep signal and display of the text "Change batt.").

The design of the battery charger prevents overcharging.

CHARGING

1. Connect the charger to 230 V mains.
The Red LED on the charger lights up.
2. Put the battery in one of the charger holders.
The Green and the Yellow LED on the charger light up.
3. When the battery is fully charged, the yellow LED goes out.