

# P 400

Portable radio.



Big on reliability. Small in size.

## With the user in mind

The P400 is compact and fits easily in your hands; its design is logical, with all the controls grouped by function.

Being easy to use, the P400 has built-in communication reliability. Normally a call can be made by pressing one single key. There is a separate alarm key.

Three main functions – short-number selector, volume control and alarm key – are easily accessible on the top of the radio. This arrangement and the angled display mean that the P400 can be used even when worn on a belt.

The alphanumeric display is backlit and shows in plain text the current status of the P400. The radio "speaks the same language" as the user, so the display messages are easy to understand. They include channel selection system status codes, short numbers and pre-programmed texts.



The recessed keypad is on the front of the P400. The keys are backlit so that they can be seen in the dark. There are six function keys in addition to the ten digit keys:

- |             |   |
|-------------|---|
| <b>CH</b>   | to select channel or channel group                                |
| <b>F</b>    | to initiate functions   |
| <b>M</b>    | to store and read from memory short-numbers and telephone numbers |
| <b>NR</b>   | to select the number to be called                                 |
| <b>S</b>    | to select status code   |
| <b>0 ID</b> | to initiate sending "who has called"                              |

On the side of the unit there are two keys, one to transmit and one to redial the last number called.

The microphone and loudspeaker are on the front of the radio. The sound is clear and distinct. The radio can be programmed to give sound signals for different situations, for example "call set up" or "channel busy".



# Use the features of the systems

To get the full benefit of the capabilities of the MRS systems the radio must have advanced features and the P400 is the best radio for the job. These are some of the facilities available with the P400:

- individual and group calls
- automatic channel selection in several ranges
- programming and use of short-numbers
- "who has called" function
- separate alarm key
- status messages
- redial
- PSTN access
- open monitoring
- time-limited transmission

*Accessory connector*

*Redial last number*

*PTT/Transmission button*

*On/Off-switch*

The P400 can be tailored to the needs of any user. For example, alarm and group calls can be programmed to work in whatever manner the user requires, and a standard PC can be used for programming. This makes it easy to update the P400 when the need arises.

*Antenna*

*Emergency button*

*Volume control knob*

*Short-number selector*

*Alpha-numeric display*

*Numeric Keys*

*Speaker and microphone*

*Battery*



# Well-thought-out accessories

A well-thought-out range of accessories is available so that the P400 can be used in all situations.

## Speaker/Microphone

With a speaker/microphone, the P400 can be used when worn on the belt. The unit is equipped with a PTT-button, a volume switch with two volume levels and a connector for an earpiece kit.

## Headset

This is a unit that combines headphones, microphone, cable and PTT-button. It gives good sound quality, is comfortable to wear and offers protection from external noise.

## Earpiece

Bypasses the loudspeaker of the radio allowing privacy. Can be used with a helmet.

## Carrying accessories

The P400 can be worn on the belt, either with a belt attachment or in a plastic or leather case. A shoulder strap can be attached to the case.

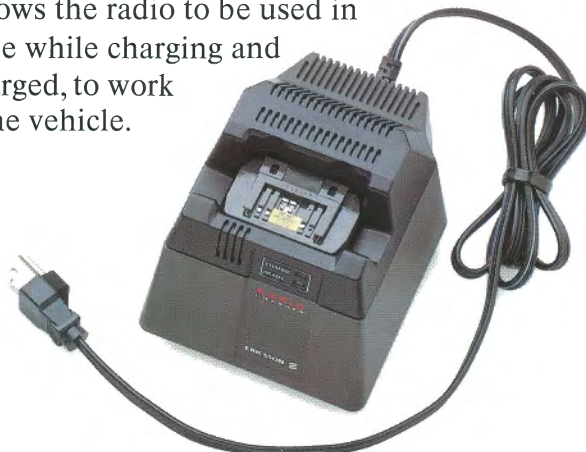
## Battery chargers

There are four battery chargers available.

Rapid chargers which charge in one hour are available in single and multi-unit models.

Compact charger is an economical alternative where a longer charging time is acceptable.

The vehicle cassette is a unique charger which allows the radio to be used in the vehicle while charging and when charged, to work outside the vehicle.





## Technical data

Type of station	P404	P405
<b>General</b>		
Frequency range (MHz)	136-150 146-162 157-174	403-440 440-470
Selective call	CCIR	CCIR
Number of tone receivers	4	4
Number of channels	100	100
Channel separation	25 kHz	25 kHz
Frequency stability	5 ppm	2.5 ppm
Antenna impedance	50 Ohm	50 Ohm
Operating time 5-5-90	1200 mAh 1700 mAh	7 h 11 h
Operating temperature	-30- +60 C	-30- +60 C
Dimensions (H×W×D) norm. battery	197×69×38	197×69×38
Weight including normal battery	816 g	816 g
<b>Receiver</b>		
Sensitivity 1/2 EMF 12 dB SINAD	0.3 uV	0.3 uV
Selectivity	-78 dB	-80 dB
Intermodulation attenuation	78 dB	74 dB
Audio output power	0.5 W	0.5 W
Spurious radiation	< 2 nW	< 2 nW
Spurious response attenuation	> 70 dB	> 70 dB
Switching bandwidth	20 MHz	20 MHz
<b>Transmitter</b>		
Output power	2.5 W*	2.5 W*
Unwanted radiation	< 0.25 uW	< 0.25 uW
Adjacent channel radiation	< 70 dB	70 dB
Switching Bandwidth	20 MHz	20 MHz

\* High power models optional.