

**Icom (UK) Ltd.**

VHF/UHF MOBILE REPEATER

# MRP-2000



- **Multiple talk-through facility**

The MRP-2000 is a crossband repeater that provides VHF to UHF, UHF to VHF and UHF to UHF talk-through. This provides a variety of options including handheld to control and ambulance to ambulance to control comms. The in-built technology allows this repeater to cope with even the biggest radio system.

- **Rugged Construction**

Compact and measuring only (210h x 300w x 300d.mm), the MRP-2000 is easily installed into any vehicle. The unit comes pre-built. To install, simply connect the remote heads, DC power lead and antenna connections. The MRP-2000 has an extremely rugged construction featuring a highly dependable, impact resistant diecast aluminium chassis and polycarbonate front panel.

- **Flexible usage**

The MRP-2000 is easily programmed via the remote heads using standard software. The VHF mobile can be used with a wide variety of systems using numerous signalling formats. These include; CCIR, VVEI1, ZVE12, DZVEI, EEA, EEA2 and EIA. An external input from a data system is available for data-compatible terminals. When connected this will use Selcall to tell the user that a message is waiting. An internal duplexer for UHF is also built-in.



**Count on us!**

**ADDITIONAL FEATURES**

- Easy to operate
- Separate heads for UHF & VHF
- Selectable talkthrough modes.
- Turn talkthrough functions on and off with selective calling.
- Simple programming of channel plans and operating mode using PC based programmes.
- Hands-free microphone facility
- Numerous signalling formats including CCIR, VVE11, ZVE12, DZVEI, EEA, EEA2 and EIA.
- Large alphanumeric display on both heads.
- Programmable assign functions can be assigned to switches providing customisation to suit specific needs.
- A limited number of switches (6) provides easy operation.
- 32 Channels for 5-tone encoder (standard)
- Emergency call with single or repeat function
- 8 Identities + group code for 5-tone decode (optional)
- Selectable digits for 5-tone decoded indication
- Automatic ID transmissions linked to PTT
- Standard CTCSS with 51 frequencies (plus 1 programmable)
- Standard DTCS with selectable polarity
- 7 DTMF Autodialing memories
- Up to 8 characters for memory name indication
- Bank separation capability

- 5 scan channel groups
- 2 priority channels
- Automatic scan start and/or receive mute when mic is replaced in the hanger
- Automatic priority channel selection and/or receive mute release when mic is picked up
- Normal scan and priority scan
- Power ON scan start
- Optional pass-code input prevents operation by unauthorised persons
- Adjustable transmit release period prevents noise burst at end of transmission when using CTCSS.
- Programmable minimum level for audio
- Selectable transmit power
- Talk around function (temporary simplex operation on a duplex channel)
- Time-out timer
- Time-out ID transmission
- Penalty timer
- Transmit lockout (channel busy/repeater/reverse repeater)
- 2 selectable 'stun' functions (optional UT-96 required)



**OVERHEAD VIEW**

Measurements made in accordance with ETS 300 086. All stated specifications are typical and subject to change without notice or obligation. E & O E.

**SYSTEMS OVERVIEW**

Ambulance crew can set up a call request to VHF control from the head of the vehicle.

When leaving the vehicle, out of vehicle mode allows extended coverage between handheld radios and to the ambulance.

A UHF channel may be allocated to each ambulance in the fleet using CTCSS. This provides a private

incident channel to be used between an ambulance and its allocated hand held radios.

A crew member can call VHF control whilst away from the vehicle using the call request button on the hand held radio. Similarly a personal alarm can be generated from the radio.

Handheld radio may be paged directly from the ambulance data system or from the VHF controller from the MRP-2000.

Status messages can be passed to and from hand held radio remotely or entered through the dash mounted control head in the vehicle.



**HS-62**



**HS-15SF**

**Supplied Accessories**  
 The MRP-2000 comes fully equipped with VHF and UHF remote heads; microphone; mounting brackets; 18 foot DC cable and antennas.  
 Other options available include the HS-62 goose neck microphone and the HS-15SF modified PTT switch box shown here.

The MRP-2000 is manufactured in the UK by Icom (UK) Ltd using IC-F1010 VHF and IC-F2010 UHF mobile transceivers.



Certificate Number Q14190

Icom Inc. (Japan), is an ISO9001 certification acquired company.



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