



Q-MAC HF-90 PORTABLE PACKAGE

PACKAGE DESCRIPTION

The Q-MAC HF-90 Portable Package is a portable HF SSB radio communication system, incorporating the Q-MAC HF-90 Transceiver (*A detailed description of this product, together with technical specifications, is provided on a separate brochure*).

This package is designed for applications where the operator requires reliable long distance communications in a compact portable format. It is simple to use and fully self contained, incorporating its own rechargeable battery system and a simple roll-out antenna for rapid deployment. The package may be supplied either in a rugged hard carry case or in a canvas backpack. The Q-MAC HF-90 Portable Package can be easily converted to a Manpack or Vehicle Package with the addition of appropriate accessories.

The Q-MAC HF-90 Portable Package is being used worldwide in a variety of applications including; international aid projects, mineral exploration, search and rescue, conservation and wildlife, forestry management and remote area 4WD use.

PACKAGE INCLUDES

- Q-MAC HF-90 Transceiver - Supplied complete with fist microphone.
- Q-MAC Portable Broadband Antenna – Roll-out broadband antenna, 2-30MHz, now made of plastic-coated wire (insulated). Supplied complete with 5m coaxial cable, throw cord, earth stake, counterpoise and earth clip. Antenna is supplied on a shuttle for easy deployment and storage. *Please refer to information on the reverse of this brochure concerning “Antenna Deployment”*.
- Q-MAC Rechargeable Battery - Maintenance-free, sealed lead acid gel battery 7Ah. Supplied complete with DC power cable, incorporating connector for charging devices, and battery condition monitor. *Please refer to information on the reverse of this brochure concerning “Battery Use”*.
- Q-MAC Hard Carry Case (320h x 275w x 205d) - Custom designed water resistant carry case, with reinforced compartments to house the HF-90 and its accessories. Supplied with an external mount speaker rivetted under the lid. This case is floatable and is ideally suited to heavy duty applications. It is available in grey or alternative colour (upon request). *Total weight of package supplied in the hard carry case is approximately 7.5kg.*

OR

- Q-MAC Canvas Backpack - (545h x 275w x 160d) - Custom designed water resistant backpack with fully padded and reinforced compartments to house the HF-90 and its accessories. Supplied with two stainless steel support stakes for operating from the ground. The backpack is ideally suited to applications where the HF-90 Portable Package must be carried for long periods of time. It is available in olive drab, blue or alternative colour, (upon request). *Total weight of package supplied in the canvas backpack is approximately 6kg.*



These items are included in the HF-90 Portable Package. Both the hard carry case and the canvas backpack are pictured. Note the battery compartment which is at the bottom right hand side of the carry case.

ANTENNA DEPLOYMENT

The Q-MAC Portable Broadband Antenna is a roll-out type antenna which is end-fed (ie. it has the coaxial feed point at one end of the antenna). By virtue of this construction, it is very simple to deploy, requiring only one mounting point (such as a tree or fence post). The antenna is mounted as high as possible at one end and grounded to earth at the other end. Total length of the radiating section of the antenna is 16m. Typical deployment time is less than 10 minutes.

In very dry conditions, where there are no trees or fence posts, the Portable Broadband Antenna can simply be stretched out along the ground.

BATTERY USE

The Q-MAC Rechargeable Battery provided with this Package has a 7Ah capacity. This battery will provide, on average, around 10 hours of operation to the Q-MAC HF-90 Transceiver (based on a standard duty cycle of 10% transmit and 90% receive/standby).

Q-MAC also supplies a range of charging cables/devices to suit specific applications (including AC mains chargers, DC chargers and solar chargers). These can be purchased separately.

All Q-MAC HF-90 Packages are provided with the following product literature:

- HF-90 Operation & Installation Guide: This booklet provides comprehensive instruction on how to operate the Q-MAC HF-90 Transceiver.
- Quick Reference Guide: This card provides concise instruction on how to best use the equipment provided with the package and make basic radio calls.
- Australian Frequency List: This card is supplied with all Q-MAC HF-90 Transceivers which are programmed with the Australian Frequency Package. Australian customers only.

Specifications are subject to change without notice.

Represented by:



HEAD OFFICE
 Q-MAC Electronics Pty Ltd
 18A Hasler Rd, Osborne Park WA 6017
 PO Box 1334, OPBC WA 6916
AUSTRALIA
 Tel: +61 (0)8 9204 2444
 Fax: +61 (0)8 9204 2455
 E-mail: sales@qmac.com
 Web: <http://www.qmac.com>
 Issue 2 (January 2000)

UK OFFICE
 Q-MAC Electronics (UK) Ltd
 PO Box 54, Bishops Waltham
 Hampshire SO32 1WT
UNITED KINGDOM
 Tel: +44 (0)1489 892 064
 Mobile: +44 (0)787 962 6710
 Fax: +44 (0)207 681 1553
 E-mail: ukoffice@qmac.com
 Web: <http://www.qmac.com>

