



# Q-MAC HF-90 DISASTER RESPONSE PACKAGE

## PACKAGE DESCRIPTION

The Q-MAC HF-90 Disaster Response Package is a transportable 'all-in-one' HF communications package incorporating the Q-MAC HF-90 Transceiver. A detailed description of the Q-MAC HF-90 Transceiver, together with technical specifications, is provided on a separate brochure.

Along with the HF-90 Transceiver, the package contains a variety of antennas, power/charger systems, carry packs/cases and mounting accessories. Using the appropriate combination of HF-90 Transceiver and accessories, the operator will have the ability to set up any of the following systems:

- Manpack system (walk and talk)
- Portable systems (stop and deploy) - different combinations possible
- Fixed vehicle system (mobile)
- Fixed base station system - using AC mains power

Such a package offers full flexibility to the operator in the field, who may not know what type of communications system is required until a disaster area has been surveyed. Additional HF-90 Transceivers may be added to the package as required (optional), so that a variety of systems can be achieved simultaneously.

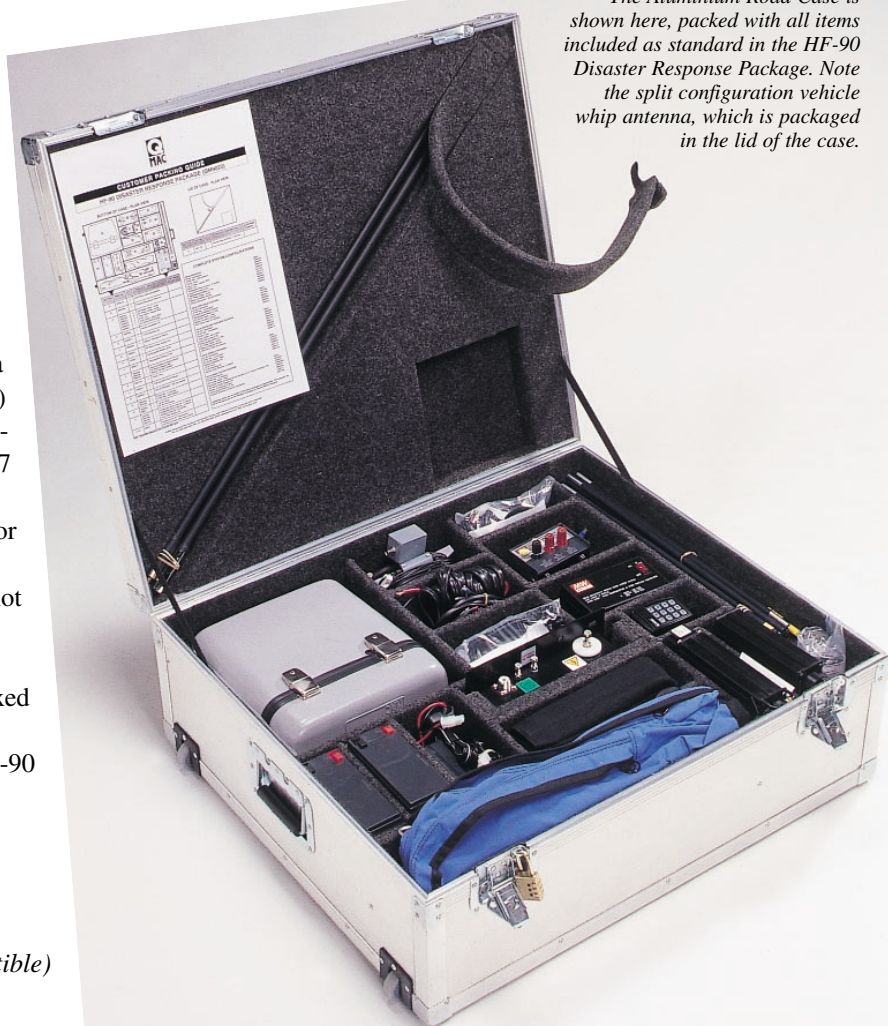
This package is designed specifically for humanitarian and emergency services organisations that must be able to deploy staff and equipment into a disaster area within a very short time frame. The entire package is conveniently housed in a sturdy aluminium road case with wheels, so that it may be transported by a single person. The case also incorporates a permanent packing list under the lid. This allows the package to be transported to site, deployed, returned to headquarters and then re-stocked for future use.

## PACKAGE INCLUDES

- 1 x Q-MAC HF-90 Transceiver c/w Advanced Option\* (includes DTMF Microphone)
- Q-MAC Antenna Systems:
  - 1 x TM-90 Tuner (single control) c/w coax & ground cables
  - 1 x Long Wire Antenna Kit (for use with TM-90 Tuner - 2.5 to 10MHz)
  - 1 x 6-Section Collapsible Whip Antenna (for use with TM-90 Tuner - 3.6 to 10MHz)
  - 1 x Extender Coil Section (for use with TM-90 Tuner, together with 6-section whip - 2.7 to 3.6MHz)
  - 1 x 2-Section Collapsible Whip Antenna (for use with TM-90 Tuner - 4 to 12.9MHz)
  - 1 x Portable Broadband Antenna (does not require any tuner - 2 to 30MHz)
  - 1 x TA-90 Tuner (automatic)
  - 1 x TA-90 Mounting Kit (suited to fixed vehicle installation)
  - 1 x Vehicle Whip Antenna (for use with TA-90 Tuner - 2 to 20MHz) - split configuration

*Continued Overleaf*

\* Provides Selcall facilities (Codan compatible) and field programming ability.



*The Aluminium Road Case is shown here, packed with all items included as standard in the HF-90 Disaster Response Package. Note the split configuration vehicle whip antenna, which is packaged in the lid of the case.*

**PACKAGE INCLUDES CONTINUED**

- Q-MAC Power Sources & Accessories:
  - 2 x Rechargeable Battery (7Ah SLA gel pack)
  - 1 x Battery Condition Monitor
  - 2 x DC Power Cable (suited to manpack/portable use)
  - 2 x DC Power Cable (suited to vehicle/base use)
  - 1 x AC Mains Power Supply Unit (115/230V AC)
  - 1 x Battery Changeover Switch
  - 1 x Step-Up Battery Charging device, DC (trickle charger)
  - 1 x AC Mains Charger (fast charger - 2A)
  - 1 x Fold-up Solar Panel Charger (trickle charger)
  - 1 x AC Multi-Adaptor (accommodates Australian, European, UK and US style plugs)
- Q-MAC Carry Case/Pack:
  - 1 x Hard Carry Case (standard colour is grey)
  - 1 x Canvas Backpack c/w support stakes (standard colour is blue)
- Other Q-MAC Items Included:
  - 1 x Vehicle Installation Kit
  - 1 x DTMF Speaker Microphone (spare)
  - Instruction Literature (various systems)
- 1 x Q-MAC Aluminium Road Case (contains all the above items) c/w combination lock

**Total weight of package:** 47kg

**Total dimensions:** 280h x 680w x 780d (mm)

**ADDITIONAL OPTIONS & ACCESSORIES**

The following options and accessories may be purchased separately, for use with the HF-90 Disaster Response Package:

- Q-MAC Frequency Hopping Option - Provides complete protection against intercept and jamming (military grade). *A detailed description of the Q-MAC HF-90 Frequency Hopping Option, together with technical specifications, is provided on a separate brochure.*
- Additional Q-MAC HF-90 Transceiver(s) - Although a single HF-90 Transceiver is provided with this package as standard, four HF-90 Transceivers may be accommodated. Additional HF-90 Transceivers will be provided together with the appropriate fist microphone.

*Specifications are subject to change without notice.*

Represented by:

**HEAD OFFICE**

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