

KENWOOD

Listen to the Future



TK-7102H/8102H

Compact Synthesized FM Mobile Radios

FleetSync[®]
by KENWOOD

Simple operation and solid performance in a compact package - Kenwood's TK-7102H/8102H VHF/UHF FM transceivers offer clear, reliable mobile communications with 50W/45W RF output and such features as QT/DQT signalling, phone/repeater access, and PC programming.

BUILT-IN QT/DQT SIGNALLING

Continuous QT (Quiet Talk) and DQT (Digital QT) tone-coded squelch circuits eliminate unwanted signals from others using the same channel. Once a technician has programmed the radio, the user hears only calls with the specified talk group tone (39 for QT) or code (104 for DQT).

BUSY CHANNEL LOCKOUT

If another talk group is already on the air, this feature enhances channel management by preventing transmission.

SELECTABLE WIDE/NARROW CHANNEL BANDWIDTH

The TK-7102H/8102H can handle both existing wideband systems and emerging narrow band applications, making it possible to future-proof your investment.

DTMF / MSK PTT ID

The TK-7100H/8100H features two PTT ID formats — DTMF (max. 16-digit DTMF code) and MSK (FleetSync[®] format ID). PTT ID is a digital ANI (Automatic Number Identifier) that can be sent on

each PTT, allowing clear identification of the person using the transceiver.

EASY OPERATION

Simplicity characterizes all operations. The front panel features just 4 channel keys, 2 function keys and 2 volume keys. All keys except for the power switch are backlit to facilitate nighttime operation.



SCAN

Channel scanning provides the user with a simple way to monitor multiple channels for activity, with extra flexibility offered by adjustable scan resume

HIGH POWER OUTPUT

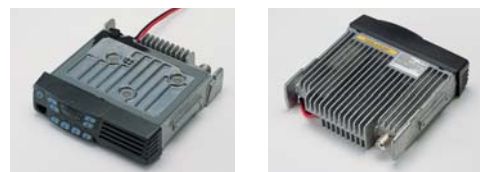
The newly developed discrete final MOS FET boasts powerful 45W output for the UHF range and 50W for the VHF range

HIGH-QUALITY SPEAKER

Assuring not only powerful output but also excellent clarity is the large-diameter oval (58mm x 35mm) speaker mounted in the front panel.

TOUGH, COMPACT CONSTRUCTION

Built to take rough treatment in stride, the TK-7102H/8102H meets the stringent MIL-STD 810 C/D/E standards. The "bathtub" construction of the chassis assures excellent heat dissipation characteristics,



and installation is simplified thanks to the compact external dimensions — 160mm (W) x 43mm (H) x 107mm (D).

PC PROGRAMMING & CLONING CAPABILITY

Using the optional interface cable, the TK-7102H/8102H can be connected to a PC* for programming. One-to-one wired cloning is also possible. And password protection (1 to 10 digits) prevents unauthorized data access.

**Compatible with Windows[®] 95/98/2000/XP*

EMBEDDED MESSAGE & KENWOOD ESN

The radio's EEPROM can store an embedded message containing ID number, user and department names, etc. Additionally, a unique electronic serial number (ESN) helps to protect against theft: it cannot be removed or altered. A unit can thus be identified even if the external labels, marking or factory serial numbers have been removed.

TIME OUT TIMER

TOT terminates transmission after a set time, returning the unit to receive mode. There is also an alarm to alert the user to imminent TOT activation



