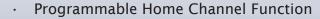


TM-8102 - 50 Watt VHF (136-174 MHz) TM-8402A - 40 Watt UHF (400-470 MHz) TM-8402B - 40 Watt UHF (450-520 MHz)

- 512 Channels, Up to 32 Groups
- 128 X 32 Alpha Numeric Dot Matrix Display (10 Characters)
- Compatible with 12.5 kHz or 15 kHz channel spacing in the U.S.
- Compatible with 12.5 or 25 kHz channel spacing outside the U.S.
- User Selectable Squelch Level
- Compandered Audio
- CTCSS/DCSS Enc/Dec
- DTMF Encode/Decode, DTMF ANI 2 Tone Decode and 5 Tone Encode/Decode
- Voice Scrambler Inversion
- Emergency Call Mode and Open Mic Operation
- Multiple Normal and Priority Scan Options
- **Busy Channel Lockout**





- Nuisance Channel Delete
- UserAdjustablePower, 10W, 20W, 30W, and 40W(UHF)/50W(VHF) settings
- Remote Stun/Revive/Kill
- **Programmable Function Buttons**
- Data Port (DE-15)
- Ignition On/Off Option. Horn Alert
- PA Function, External Speaker Jack
- PC Programmable and Tuning
- Meets Mil Std 810F







TM-8000 Series

Full Featured Mobile Radio

Some features indicated by specifications listed are prohibited by FCC rule and are not available on models sold in the U.S. or its territories.

Specifications

GENERAL

VHF (136-174 MHz) TM-8102 50W TM-8402A 40W UHF (400-470 MHz) TM-8402B 40W VHF (450-520 MHz)

Channels 512 Channels, 32 Groups 12.5/15 kHz (U.S.) Channel Spacing 12.5/25 kHz outside the U.S. PLL Channel Step 2.5 kHz, 6.25 kHz ± 2.5 ppm (-122° to 140F°)

Frequency Stability 13.8 V DC Power Requirement

Current Drain 50 W Tx-11A, 25 W Tx-6.5A Rx @ Max Audio 800 mA

Standby 300 mA

-22° to 140° F, -30° to +60° C Temperature Range

Dimension (H/W/L) 6.5/1.75/6.75 in 38.9 oz (2.4 lbs) Weight Environment Meets Mil Std 810F 15 pin Hi-Density D Data Port External Audio Jack 3.5 mm 8Ω



Manufactured to ISO-9001:2000 standard.

Transmitter

TM-8102 50 Watt VHF Output Power TM-8402 40 Watt UHF 5 kHz/2.5 kHz W/N Max. Freq Deviation

Spurious and Harmonic -70 dBc FM Hum & Noise 40 dB@12.5 kHz 45 dB@25 kHz Audio Distortion < 2% Int., < 10% Ext.

Receiver

Sensitivity .25 uV (12dB SINAD) Adjacent Ch Reject. -70 dB @ 12.5 kHz -70 dB @ 25 kHz

Spurious Response -75 dB Selectivity -70 dB 4W Audio Output

Data Port Pin Out

1 RSSI

2 Ignition Sense 3 External Speaker 4 Audio Frequency Out 5 External Mic

6 Tx Data 1

7 Rx Data 1 8 External Push To Talk DE-15 Female



9 Flat (discriminator) Audio

10 COR/Carrier Operated Squelch

External Input

12 DC +5.0V 13 Horn Relay 1 14 Horn Relay 2

15 Ground

Accessories

- Heavy Duty Microphone
- Heavy Duty DTMF Microphone
- Power Supply 110/220V AC
- PC Programming Cable (USB)
- PC Programming Software
- Desktop Base Station Microphone
- External Speaker

Standard Package

Radio and heavy duty microphone, mounting hardware, 12V fused power cable

FCC / Industry Canada

099TM-8102 / TM-8102 9680A-TM8102 TM-8402A 099TM-8402A / 9680A-TM8402A TM-8402B 099TM-8402B

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