



TM-8000 Series

Full Featured Mobile Radio

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



The TM-8000 Series mobiles provide affordability and durability for your in-vehicle or dispatch applications. With crisp, continuous and high quality communications, you can have real time contact with drivers to ensure that your business is running efficiently. In addition, TecNet's mobile radios provide a wide range of voice and data features and the capability of adding a Bluetooth mobile dongle kit for extended out-of-vehicle range.



- 512 Channels, Up to 32 Groups (Dynamic)
- Dot Matrix Alpha Numeric Display (10 Characters)
- 12.5/15/25 kHz Channel Spacing
- User Selectable Squelch Control
- Compandered Audio
- CTCSS/DCS
- DTMF Encode/Decode, DTMF ANI
- 2 Tone Decode and 5 Tone Encode/Decode
- Voice Scrambler - Inversion
- Multiple Normal and Priority Scan Options
- User Adjustable Power, 10 to 40W (UHF) - 50W (VHF)
- Remote Stun and Revive
- Four Programmable Function Buttons
- DE-15 Data Connector
- PA Function, External Speaker Jack
- Meets Mil Std 810F



3 YEAR WARRANTY



Optional Bluetooth Mobile Dongle Kit - Model TBM-800BTD



Optional Repeater Cable Model XRC-31





NOTE: 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

TM-8102	VHF (136-174 MHz)
TM-8402A	UHF (400-470 MHz)
TM-8402B	VHF (450-520 MHz)
Channel Spacing	12.5/15 kHz (U.S. only) 12.5/25 kHz (outside the U.S.)
Dimension (H/W/L)	6.5 x 1.75 x 6.75" (103 x 52 x 32 mm)
Weight	38.9 oz (2.4 lbs)
Operating Voltage	13.8 V DC
PLL Channel Step	2.5 kHz, 6.25 kHz
Frequency Stability	± 1.5 ppm (1.1 Kg to 140F°)
Current Drain	50 W Tx-11A, 25 W Tx-6.5A Rx @ Max Audio 800 mA Standby 300 mA
Operating Temperature	-22° to 140° F, (-30° to +60° C)
External Audio Jack	3.5 mm 4 Watt/4 Ω

Approvals	FCC	Industry Canada
TM-8102	099TM-8102	/ 9680A-TM8102
TM-8402A	099TM-8402A	/ 9680A-TM8402A
TM-8402B	099TM-8402B	



Manufactured to ISO-9001:2000 standard.

Transmitter

Output Power	VHF 50 W, UHF 40 W
Spurious and Harmonic	70dB
FM Hum & Noise	40dB (12.5 kHz), 45dB (25 kHz)
Output Impedance	50 ohms
Audio Distortion	Less than 5% at rated output
Audio Response	+1, -3dB from 6dB per octave pre-emphasis and characteristic 300 ~ 3000 Hz

Receiver

Sensitivity	.25uV 12dB SINAD
Squelch Sensitivity	.22uV 10dB SINAD
Selectivity	65dB (12.5 kHz), 70dB (25 kHz)
Spurious and Harmonic	75dB
FM Hum & Noise	40dB (12.5 kHz), 45dB (25 kHz)
IF Frequencies	21.4 MHz and 455 kHz
Input Impedance	50 ohms
Audio Output Power	4W
Audio Distortion	3% max w/1 kHz modulation
Audio Response	+1, -3dB from 6dB per octave pre-emphasis and characteristic 300 ~ 3000 Hz

Specifications are subject to change.

TM-8000 Series

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Standard Package

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

Accessories

- Heavy Duty Microphone
- Heavy Duty DTMF Microphone
- 10 Amp Power Supply 110/220V AC
- PC Programming Cable (USB)
- PC Programming Software
- Desktop Base Station Microphone
- External Speaker
- GPS Module
- Bluetooth Mobile Dongle TBM-800BTD
- XRC-31 Repeater Cable

- 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
- 9 Flat (discriminator) Audio
- 10 COR/Carrier Operated Squelch
- 11 External Input
- 12 DC +5.0V
- 13 Horn Relay 1
- 14 Horn Relay 2
- 15 Ground

Data Port Pin Out



DE-15 Female

Contact Information



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