

# maxon *SM-2000E Series*

## *Professional Two-Way Radio*

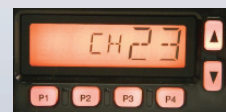
**SM-2102E - 25 Watt VHF (136-174 MHz)**

**SM-2402E - 25 Watt UHF (400-470 MHz)**

### ***Built For Tough Environments with Simple Operation***

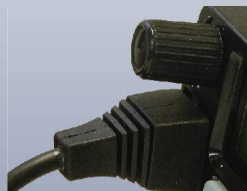
- 99 Channels
- 12.5 kHz Channel Spacing
- CTCSS/DCS
- DTMF Encode/Decode, DTMF ANI
- LCD Display with Function Icons
- 4 Programmable Function Buttons
- Choice of 3 Backlight Colors
- Multiple Scan Modes
- 15 Pin Data Port
- PA Function, External Speaker Jack
- Busy Channel Lockout
- 3 Memory Channels

Choose from Red, Green or Orange to Illuminate Display



**3 YEAR WARRANTY**

Optional Bluetooth Mobile Dongle Kit - Model TBM-500BTD



Extra Large ON/OFF Volume Knob





## SM-2000E Series Mobile Radios

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

SM-2102E	VHF (136-174 MHz)
SM-2402E	UHF (400-470 MHz)
Channels	99
Channel Spacing	12.5/25 kHz
Dimension (H/W/L)	1.9 x 6.2 x 6.9"
Weight	50.8 oz. (1200 g)
Operating Voltage	13.2 V DC
PLL Channel Step	2.5 kHz, 5 kHz, 6.25 kHz
Frequency Stability	± 1.5 ppm (1.1 Kg to 140F°)
Current Drain	25 W Tx-6.5A Rx @ Max Audio 600 mA Standby 110 mA
Operating Temperature	-22° to 140° F, (-30° to 60° C)
External Audio Jack	3.5 mm 8 µ
Data Port	15 pin Hi-Density D
Environment	Meets Mil Std 810F
Antenna Impedence	50 Ohm

Approvals	FCC	Industry Canada
SM-2102E	RXUSM2102 /	TBA
SM-2402E	RXUSM2402 /	TBA



Manufactured to ISO-9001:2000 standard.

#### Transmitter

Output Power	5/25 Watt
Spurious and Harmonic	-36 dBm
FM Hum & Noise	40 dB (12.5 kHz), 40 dB (25 kHz)
Audio Distortion	< 3% Int., < 10% Ext.
Adjacent Channel	-60 dB (12.5 kHz), -70 dB (25 kHz)

#### Receiver

Sensitivity	.25 uV (12dB SINAD)
Adjacent Ch Select	60 dB (12.5 kHz), 70 dB (25 kHz)
Spurious Response	70 dB
Intermodulation	60 dB (12.5 kHz), 65 dB (25 kHz)
Audio Output	6W Int. 4W Ext.
Audio Distortion	< 5%
Hum & Noise	40 dB (12.5 kHz), 40 dB (25 kHz)

Specifications are subject to change.

### Standard Package

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

### Accessories

- Heavy Duty Microphone
- Power Supply 110/220V AC
- PC Programming Cable (USB)
- PC Programming Software
- Desktop Base Station Microphone
- External Speaker
- Bluetooth Mobile Dongle TBM-500BTD

- 1 RSSI
- 2 Data IN (LSP)
- 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 - Ext/Output
- 14 Horn Relay 2 - Beep Ext
- 15 Ground

#### Data Port Pin Out



DE-15 Female

### Contact Information



TecNet International, Inc.  
 11535 W. 83rd Terrace, Lenexa, KS 66214  
 Tel: 800-456-2071 Toll Free U.S.  
 Tel: 913-859-9515  
 Fax: 913-859-9550  
 Web: www.tecnetusa.com  
 E-mail: tecnet@tecnetusa.com