

# maxon®

## TP-8000BT Series

Bluetooth Embedded Hand Held

TP-8102BT 5/2W VHF (136-174 MHz)

TP-8402BT 4/2W UHF (400-470 MHz)

### Industry First

# Bluetooth® Embedded



**Bluetooth Embedded Radio** eliminates obtrusive dongles that can be unseated or broken. Optional Bluetooth Speaker Mic or Lightweight Earhook Speaker/Boom Mic with remote PTT is available on BT models. With 512 channels, voice scrambling, multiple scan modes, and a wide range of audio control, the TP-8000BT is a full featured radio that can be configured for almost any application.

**IP-67 Approved for Water Immersion and Dust Protection**

**SUBMERSIBLE**

1 meter for 30 minutes

- 512 Channels - Dynamic Grouping
- Bluetooth Embedded - Class 2, Range up to 10m
- 5/2 Watt VHF, 4/2 Watt UHF Power Output
- 12.5/25 kHz Channel Spacing
- 2.5/6.25 kHz PLL Stepping
- Remote Stun and Revive
- CTCSS/DCS Enc/Dec
- 2/5 Tone Selcal and DTMF ANI
- 2 Tone Decode
- 10 Character A/N Display with Function Icons
- Voice Scrambler - Inversion
- 1 Watt Audio Output
- Priority and Conventional Scanning
- TOT/BCL/BCLO
- User Adjustable Squelch (0-9 level settings)
- VOX
- Wireless Cloning Capability
- 4 Programmable Function Buttons
- Meets Mil Std 810F





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

TP-8102BT	136-174 MHz
TP-8402BT	400-470 MHz
Operating Voltage	7.5 V DC
Operating Temperature	-22° to 140° F (-30° to 60° C)
Frequency Stability	± 2.5 PPM
Dimensions (H/W/D)	4.37 x 2 x 1.25" (112 x 56 x 32 mm)
Channel Spacing	12.5/25 kHz per channel
PLL Stepping	2.5/6.25 kHz
Weight with Li-Ion Battery	9.1 oz. (258 g.) w/battery
Battery Life (hours)	15/19 hr*
Battery Capacity	2200 mAh Li-Ion
Charge Time Estimate	2-3 hours

\*90/5/5 duty cycle with battery save

#### Approvals

TP-8102BT  
TP-8402BT

#### FCC

O25PZ-100  
O25PZ-400NW

#### Industry Canada

Pending  
5624A-PZ400CB

RoHS  
2002/95/EC



Manufactured to ISO-9002:2000 quality standard.

### Transmitter

Output Power	VHF 5/2 Watt, UHF 4/2 Watt
Frequency Stability	±2.5 ppm (-30° to 60° C)
Spurious/Harmonic	-65dB
FM Hum/Noise	40dB (12.5kHz), 45dB (25kHz)
Audio Distortion	5% maximum
Audio Response	+1, -3dB from 6dB per octave pre-emphasis Characteristic from 300 ~ 3000Hz

### Receiver

Sensitivity	.282uV 12dB SINAD
Squelch Sensitivity	.25uV 12dB SINAD
Selectivity	60dB (12.5kHz), 65dB (25kHz)
Spurious/Harmonic Rej.	70dB
Inter-modulation	60dB
FM Hum/Noise	40dB
Audio Output Power	1 Watt across 16-ohm load Audio
Distortion	Less than 5% at rated output
Audio Response	+1, -3dB from 6dB per octave pre-emphasis Characteristic from 300 ~ 3000Hz

## Standard Package

Radio, 2200 mAh Li-Ion battery, rapid rate desktop charger, antenna, belt clip and user manual.

## TP-8000BT Series

### Bluetooth Embedded Hand Held

## Accessories

- Bluetooth Speaker Mic (BT Radio)
- Bluetooth Earhook Speaker, Remote PTT (BT Radio)
- Earhook Speaker with Lapel Mic/PTT
- Clear Earbud Speaker with Lapel Mic/PTT
- Standard and Heavy Duty Speaker Microphones
- Rapid Rate Desktop Charger
- Six Unit Gang Charger
- Single Slot Vehicular Charger
- 2600 mAh Li-Ion Battery
- Nylon Carry Case
- Leather Carrying Case with Belt Loop Swivel
- Programming Software and Cable (USB)

### Bluetooth Options



TA-829BT

Lightweight headset with whisper mode, noise cancelling boom mic, volume control, pairing control, rechargeable batteries, and lapel clip PTT.



TA-850BT

Rugged speaker microphone with whisper mode, volume controls, pairing control, PTT and rechargeable battery.

#### Specifications TA-829BT - TA-850BT

Bluetooth	Class 2
Supported Profiles	HFP 1.5, HSP 1.2
Operation Range	10 Meters (32')
Speaker	8 Ω
Microphone	Noise Cancelling
Talk Time	5 hours
Standby Time	48 hours
Charging Time	2 hours
Operating Temperature	-20° to 70° C

## Contact Information



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