

# Voice Recording Capability

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

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

*Playback Messages or Evaluate Responses from Any Event At Any Time.*



**Recording capability allows** all conversations to be recorded for instant playback or download. Each recording is date and time stamped. With 512 channels, display, multiple scan modes, and 2-tone decode, the TP-8000R 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
- 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
- 2/5 Tone Selcal and DTMF ANI
- 2 Tone Decode
- 10CharacterA/NDisplaywithFunctionIcons
- Voice Scrambler - Inversion
- 1 Watt Audio Output
- Priority and Conventional Scanning
- TOT/BCL/BCLO
- UserAdjustableSquelch(0-9levelsettings)
- VOX
- Wireless Cloning Capability
- 6 Programmable Buttons, 12 Functions
- Meets Mil Std 810F

#### Recording Features

- Recording Capability up to 100 hrs
- Date & Time Stamped
- Instant Playback
- MessagesareNon-Erasable
- TransferMessagestoaPC
- Automatic Formatting





# TP-8000R Series

## Recording Embedded Hand Held

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-8102R	136-174 MHz
TP-8402R	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 VHF (H/W/D)	4.37 x 2 x 1.45" (112 x 56 x 37 mm)
Dimensions UHF (H/W/D)	4.37 x 2 x 1.25" (112 x 56 x 33 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

<b>Approvals</b>	<b>FCC</b>	<b>Industry Canada</b>
TP-8102R	O25PZ-100	5624A-TP8102
TP-8402R	O25PZ-400NW	5624A-PZ400C

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

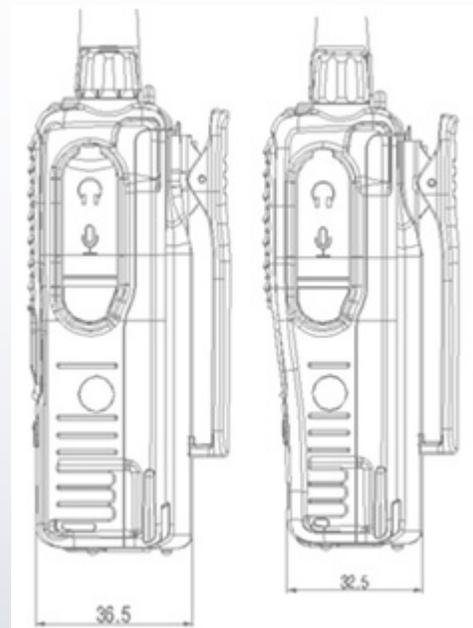
### Standard Package

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

### Accessories

- Earhook Speaker with Lapel Mic/PTT
- Clear Earbud Speaker with Lapel Mic/PTT
- Standard and Heavy Duty Speaker Microphones
- Dual Slot Rapid Rate Desktop Charger (VHF/TA-800LAR) - (UHF/TA-800LA)
- Six Unit Multi Charger (UHF Only)
- Single Slot Vehicular Charger (UHF Only)
- 2200 mAh Li-Ion Battery
- 2600 mAh Li-Ion Battery
- Nylon Carry Case
- Leather Carrying Case with Belt Loop Swivel
- Programming Software and Cable (USB)
- Audio Download Cable

#### Radio Size Specifications



TP-8102R

TP-8402R

### Contact Information



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