



TCB-H100 is compact Handheld CB radio with ECHO function, VOX function, three display colors and many more functions. Optional power supplies are Battery and Battery Eliminator.

- Multiple Bands
- 4 Watts Output Power
- AM/FM Operation
- Emergency Channel
- Scan
- Keypad Lock
- Accessory Jack
- ECHO TX Sound
- 3 Color Backlighting
- Waterproof (IP55)

<General Specifications>

Channel	40 ch. (See the frequency band chart)
Frequency Range	26.965 MHz - 27.405 MHz
Operating Mode	F3E (FM), A3E (AM)
Frequency Control	PLL Synthesizer
Frequency Tolerance	0.002%
Operating Temperature Range	-10 to 55°C
Input Voltage	7.4V DC (Battery use) 12/24V DC (Battery Eliminator use)
Dimension	57(W)*116(H)*39(D)
Weight	298 grams (with Battery Pack) 190 grams (with Battery Eliminator)
Antenna Connector	SMA Type (Battery use) SO-239 Type (Battery Eliminator use)

<Transmitter Specifications>

Power Output	Duty cycle 10% 4watts @7.4V DC (Battery use)
	Duty cycle 10% 4watts @13.2V DC (Battery Eliminator use)
Modulation	AM : from 85% to 95% / FM : 1.8KHz $\pm$ 0.2KHz
Frequency Response	300Hz to 3000Hz
Output Impedance	50ohms, Unbalanced
Harmonic Suppression	Less then -54
Current Drain	AM Full Mod. 1.6A Max.

<Receiver Specifications>

Receiving System	Dual Conversion Superheterodyne
IF Frequencies	Double Conversion 1st 10.695MHz, 2nd 455KHz
Sensitivity	1.4 μ V for 10dB(S+N)N in AM Mode (Battery use)
	0.8 μ V for 20dB SINAD in FM Mode

	2.0 μ V for 10dB(S+N)N in Mode (Battery Eliminator use)
	1.0 μ V for 20dB SINAD in FM Mode
Audio Output Power @10%THD	1.0W @16ohms
Audio Distortion	Less than 8% @1KHz
Image Rejection	More than 60dB
Adjacent Channel Rejection	More than 60dB
Conducted Spurious	More than 57dB
Frequency Response	300Hz to 2500Hz
Built-in Speaker	16ohms, Round