

The Most Slim and Light Weighted with Full Features
Plus Echo Function for Fun



TCB-H100

27 MHz CB Radio

This model supports the maximum mobility as hand-held use while offering almost the similar range to the normal mobile units when the battery eliminator is installed. The IP55 dust and water-proof level guarantees activities in any tough environment wherever you are.

Three
Color
Backlighting



Red



Yellow



Orange

ECHO



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GENERAL SPECIFICATIONS

	Battery Use	Battery Eliminator Use
• Channel	40(See the frequency band chart)	40(See the frequency band chart)
• Frequency Range	26.965 Mhz ~27.405 Mhz	26.965 Mhz ~27.405 Mhz
• Operating mode	F3E(FM), A3E(AM)	F3E(FM), A3E(AM)
• Frequency Control	PLL Synthesizer	PLL Synthesizer
• Frequency Tolerance	0.002%	0.002%
• Operating Temperature Range	-10 to + 55°C	-10 to + 55°C
• Input Voltage	7.4V DC	12V ~ 24V DC
• Size	57(W)*116(L) *39(H)	57(W)*116(L) *39(H)
• Weight	298g	317g
• Antenna Connector	SMA type	SO-239 type

FEATURES

- MULTIPLE BANDS
- 4 WATTS OUTPUT POWER
- AM/FM OPERATION
- EMERGENCY CHANNEL
- SCAN
- KEYPAD LOCK
- ACCESSORY JACK
- ECHO TX SOUND
- 3 COLOR BACKLIGHTING
- WATER PROOF(IP55)

TRANSMITTER SPECIFICATIONS

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

RECEIVER SPECIFICATIONS

	Battery Use	Battery Eliminator Use
Receiving system	Dual conversion superheterodyne	Dual conversion superheterodyne
IF Frequencies	Double Conversion 1st 10.695MHz 2nd 455KHz	Double Conversion 1st 10.695MHz 2nd 455KHz
Sensitivity	1.4 μ V for 10dB(S+N)N in AM Mode 0.8 μ V for 20dB SINAD in FM Mode	2.0 μ V for 10dB(S+N)N in Mode 1.0 μ V for 20dB SINAD in FM Mode
AudioOutput Power @10% THD	1.0W @ 16 Ohms	1.0W @ 16 Ohms
Audio Distortion	Less than 8% @ 1KHz	Less than 8% @ 1KHz
Image rejection	More than 60dB	More than 60dB
Adjacent Channel Rejection	More than 60dB	More than 60dB
Conducted Spurious	More than 57dB	More than 57dB
Frequency Response	300 to 2500Hz	300 to 2500Hz
Built-in Speaker	16 ohms, round	16 ohms, round

* Specification is subject to change without prior notice

