

Applicable MIL-STD-810C/D/E/F

Applicable MIL-STD	810C		810D		810E		810F	
	Methods	Procedures	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	1,2	500.3	1,2	500.4	1
High Temperature	501.1	1,2	501.2	1,2	501.3	1,2	501.4	1,2
Low Temperature	502.1	1	502.2	1,2	502.3	1,2	502.4	1,2
Temp. Shock	503.1	1	503.2	1	503.3	1	503.4	1
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1,2
Rain	506.1	2	506.2	2	506.3	1,2	506.4	1,2
Humidity	507.1	2	507.2	2,3	507.3	2,3	507.4	1
Salt Fog	509.1	1	509.2	1	509.3	1	509.4	1
Dust	510.1	1	510.2	1	510.3	1	510.4	1
Vibration	514.2	8,10	514.3	1	514.4	1	514.5	1
Shock	516.2	1,2,5	516.3	1,4	516.4	1,4	516.5	1,4

General

Frequency Range (MHz)	VHF: 150-174 UHF: 350-370 370-390 400-420 450-470
Channel Capacity	16
Channel Spacing (KHz)	25 /12.5
Operating Voltage (V)	7.4
Battery	1250mAh (Li-ion)
Battery Life (5-5-90 duty cycle)	1250mAh Li-ion Battery - About 9 hours 1100mAh Ni-MH Battery - About 8 hours
Frequency Stability (ppm)	±2.5
Operating Temperature (°C)	-20~+50
Antenna Impedance (Ω)	50
Dimensions (L×W×H) (with battery, without antenna) (mm)	111×54×34
Weight (with antenna & battery) (g)	249

Transmitter

RF Power Output	5W (VHF) 4W (UHF)
Modulation	16KΦ F3E/8KΦ F3E
Spurious and Harmonics	≤-21dBm
FM Noise	≥40dB
Audio Distortion	≤5%

Receiver

Sensitivity	0.25/0.28 μV
Selectivity	55/50dB
Intermodulation	50dB
S/N	45/40dB
Rated Audio Power Output	500mW
Rated Audio Distortion	≤5%

All specifications are tested according to TIA/EIA-603, and subject to change without notice due to continuous development.



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TC-600

Professional Two-way Radio



- Wide Communication Range
- High-quality Audio
- Rugged and Durable
- Extended Operation Time

The combination of advanced performance and cost effective productivity make the TC-600 a strong option for growing organization, as well as any organization concerned with security and quick response. It has been ergonomically designed to handle easily, with bigger knobs and controls that can be easily operated even wearing heavy gloves. It offers a wide range of features and a rugged design, all in a surprisingly lightweight radio (249g with the standard Li-ion battery). Experienced users will appreciate many of the TC-600's enhancements and design features. The TC-600 also offers an extremely high level of sound clarity and dynamics for a professional radio at this price.

TC-600

Professional Two-way Radio

Key Features

Wide Communication Coverage

High transmit power accommodates wide communication coverage up to 6Km in open area.

High-quality Audio

Audio quality is critical for effective communications. The speaker delivers crisper, clearer and stronger audio because of improved acoustic mechanics, allowing users to continue communicating even in noisy and harsh conditions.

Rugged and Durable

With rugged and compact design, the TC-600 is durable enough to withstand 1.5m drop and meet MIL-STD-810 C/D/E/F.

Extended Operation Time

An extended life Li-ion battery provides 9hr talktime at a lighter weight, for greater productivity.

Main Features

High/Low Power Switchable

High/Low power is switchable via the programmed key at a per channel basis, tailored for user environment. Low output power preserves battery life when communication within limited range coverage; while high output power optimizes range coverage when further distance required.

Programmable 12.5kHz / 25kHz Channel Spacing

The feature enables flexibility and easy migration of channel spacing requirements when the need arises, with no need to buy new radios.

DTMF ANI Encode

DTMF ANI can be set on or off at a per channel basis.

2-Tone Encode and Decode

The 2-Tone encode and decode functions are assignable at a per channel basis. An incoming message is signaled with audio and visual alert.

Monitor

Allows continuous channel monitoring. The feature is especially helpful for adjusting volume or receiving a weak signal.

Battery Save

The Battery Save feature is automatically activated once no activity on the channel and no operation performed, for extended operation time.

Low Battery Alert

For extra convenience, the top-mounted LED flashes red to alert users to recharge the battery should the battery level run low.

Busy Channel Lockout

The feature further improves channel management by preventing transmission if another talk group is already on the air.

Time-out Timer

The feature allows for more efficient use of channels by limiting the amount of time of each transmission.

Wired Clone

Cloning enables duplication of radios in the field via a simple interface cable, without the use of a PC or special equipment.

PC Programming

Allows you to customize each radio to fit your needs.



Squelch Tail Elimination

The function will minimize the annoying audio outputs that occur at the receiver on completion of a transmission.

Selectable Squelch Level (0-9)

The purpose of squelch is to mute audio output from the speaker when no signals are present. The higher the squelch level selected, the stronger the signals must be to receive. The appropriate squelch level depends on ambient RF noise conditions.

Priority Channel Scan

Priority scan permits scanning of all channels while simultaneously monitoring a priority channel, allowing for activity even while receiving a call on another non-priority channel.

Recommended Applications

Construction, Transportation, Logistics and Warehousing

The speaker delivers crisper, clearer and stronger audio because of improved speaker mechanics. You will be assured of reliable communication even in noisy and harsh conditions, such as Construction, Transportation, Logistics and Warehousing applications.

Hospitality

The lightweight and compact TC-600 series allow you to serve your guests faster with increased mobility, without being weighed down by your communication tools. In a service business where customer satisfaction is critical, such as Hotels and Restaurants, Supermarkets and Retail, two-way radios are key to information sharing, staff redeployment and coordination services.

Accessories

Standard Accessories	Li-ion battery (1250mAh) BL1203 Switching Power Adapter(varies in different countries and areas) MCU rapid-rate charger for Li-ion battery CH10L03	Antenna	Belt clip BC11 Strap RO03
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Optional Accessories



Remote speaker microphone SM08M2
Receive-only Earpiece with Transparent Acoustic Tube (for SM08M2) ESS08
Receive-only Earpiece (for for SM08M2) ESS07



Earbud with in-Line PTT ESM02



Earbud with on-MIC PTT ESM08



Earset with in-line MIC EHM04



Earpiece with on-Mic PTT & Transparent Acoustic Tube EAM08



Six-unit switching power (for use with different power cords in different countries and areas)PS7002



Vehicle adapter for charger CHV09



MCU multi-unit rapid-rate charger (for Li-ion battery) MCL11



Leather carrying case (swivel) LCBN37