

TC3000/3600 Applications

Public Safety

Compact and powerful, the TC3000S and TC3600S offers features that are perfect for this market.



Security

Selectable power output, signalling and voice operated transmission make the TC3000S and TC3600S radios excellent choices for security applications.





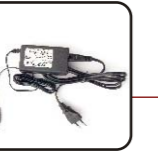
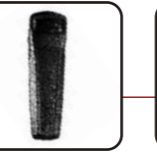



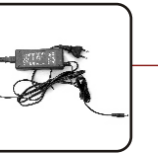
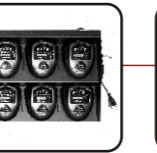










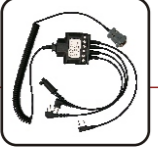


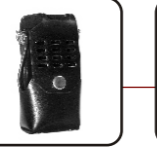



Management

Size and professional ergonomic design make the TC3000S and TC3600S radios easy to operate and easy to control work groups within your business.



Accessories

								
Standard Accessories								
Optional Accessories								
								

Applicable Military Standards 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	VHF: 136-162MHz 136-174MHz 145-175MHz UHF: 350-390MHz 400-430MHz 400-470MHz 440-470MHz 450-480MHz 480-520MHz
Channel Capacity	16 (TC3000) 512/256 (TC3600) *
Channel Spacing	25(20)/12.5 KHz *
Operating Voltage	7.5 V
Battery	1700mAh (Li-Ion)
Battery Life (5-5-90 duty cycle)	About 12 Hours
Frequency Stability	±2.5ppm
Operating Temperature	-25℃~+55℃
Antenna Impedance	50 Ω
Dimensions (L×W×H)(with battery, without antenna)	104.8 mm × 56.8mm × 36.6mm(TC3000) 104.8 mm × 56.8mm × 39mm(TC3600)
Weight (with antenna & battery)	289.5g (TC3000) 315.5g (TC3600)

Transmitter

RF Power Output	4W/2W (UHF) 5W/2W (VHF)
Modulation	16KΦ3E/11KΦF3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	40dB
Audio Distortion	≤5%

Receiver

Sensitivity	0.25/0.28 μV
Selectivity	70/60dB
Intermodulation	65dB
Spurious Response Rejection	70dB
S/N	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.

HYT
AMERICA, INC.



ISO9001:2000 Certificate NO:FM 61540

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2111003A

HYT
AMERICA, INC.

**Professional
Two-Way Radio**

TC3000S TC3600S



SUPER FUNCTIONS

Short Message*

The TC3600S allows the user to send an receive short messages from the radio.



Firmware Upgradeable

Allows the radio firmware to be upgraded to include the latest features.

Emergency /ANI

With a simple press of a button, an emergency signal with ANI will be transmitted.

Voice Recording (optional)

An optional feature of these radios is the ability to record voice transmissions.



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Technology Features

- The voice compander enables clear and crisp audio.
- Emergency ANI transmission allows for quick notification and identification during emergency situations.
- CTCSS, CDCSS, DTMF, 5 Tone, 2 Tone, HDC1200 allows for specific signalling functions *.
- The digital potentiometer controls radio specifications.
- Special ESD design insures static resistance.
- Flash memory and firmware upgradeable insures the most current features.
- Factory built in radio serial number protects the radio from unauthorized cloning.

Structure Features

- The radios are Military Standards and IP54 compliant for use in very demanding environments.
- The speaker design maximizes audio output and clarity.
- The radio housing is made of PC9330 for increased durability.
- The Push to talk switch is designed for ease of use and durability.
- The display lens is designed to withstand impacts, leading to a more durable product.
- The accessory jack is designed to insure a stronger, more reliable connection for accessories.

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Note: Functions marked with an asterisk may vary from different radio versions, please contact us for details.

TC3000/3600

Main Features

3 Programmable Function Buttons

Provide immediate access to your most often used features.

Signalling *

The TC3000S and TC3600S radios are built with 5-Tone, 2-Tone and HDC1200 signalling, which lets you send and receive a call from a specific individual.

CTCSS/CDCSS

Set up talkgroups/users with unique CTCSS/CDCSS to prevent unwanted conversations on the same frequency.

Switchable Output Power

By a simple press of a button the user can switch to low power for a small coverage area or to high power when additional range is required.

Time-Out Timer (TOT)

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

Priority Channel Scan

Priority scan permits the scanning of identified channels while monitoring more often your most important channel.

Nuisance Channel Delete

When a scan list member continually generates unwanted noise, this feature allows the radio user to temporarily remove the channel from the current scan list.

Busy Channel Lockout

A channel already in use is not available to other users.

Repeater/Talk Around

Users have the freedom to communicate through the repeater for wide area coverage or to talk directly to another radio without going through the repeater.

Voice Operated Transmit (VOX)

Hands free operation when used with VOX headset accessory.



TC3600S

MSK Wireless Cloning

The wireless transfer of programming parameters from one radio to another enabling time savings and efficiency.

Programmable 25(20)/12.5KHz Channel Spacing *

This capability enables flexibility and ease of migration when channel spacing requirements change.

TC3600S Additional Features

HYT

128 x 32 Dot Matrix Alphanumeric LCD

User-friendly icons provide clear, easy-to-read indicators, including: zone, talk group, and channel indicator, battery gauge, Radio Signal Strength Indicator (RSSI).

Password
12345678

Radio Password

This radio offers password protection to prevent unauthorized use.

z1 Lo
Channel 5

512/256 Channels *

512/256 Channels provides greater flexibility in organizing work groups.

z1 Lo
Mr. Right

Channel Alias

This allows for user friendly descriptions of channels, zones, work groups and numbers.

z1 Lo
Function

Menu Operation

The radio menu provides easy access to customize radio functions and features.

z1 Lo
Group 1

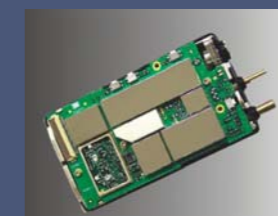
Radio Signal Strength Indicator (RSSI)

Displays the radio's signal and strength levels at a glance.

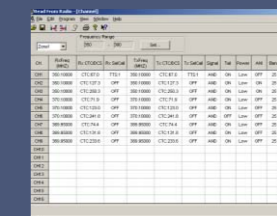
z1 Lo
Group 3

Battery Gauge

Indicates battery strength levels for more effective power management.



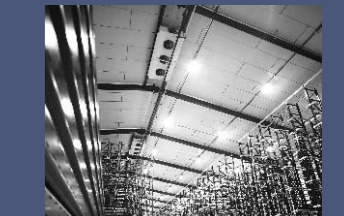
Shield Protection



Programming



Frost Test



Manufacture Application