

Lightweight Portability. Heavyweight Performance.

Motorola XTS® 2500 Digital Portable Radio



You can't predict the unexpected, but you can prepare for it.

Motorola XTS 2500 Digital Portable Radio

When lives are at stake, a rapid, coordinated response is imperative. The XTS 2500 radio meets the Project 25 standard and works on the ASTRO® 25 Network. This high-performance radio delivers sophisticated features and advanced technology in a light, compact design. Whether en route or on site, this robust radio assures crisp, continuous, high-quality communication.

ASTRO 25 Network

Motorola's ASTRO 25 Integrated Voice and Data Network provides an interoperable, Project 25 mission critical network that meets and exceeds public safety agency requirements for voice and data emergency response. This solution allows for efficient and reliable inter-agency communications helping responders to communicate, coordinate and interoperate together as one.

Uncompromising Durability

- + Meets applicable Military Specifications 810, C, D, E and F.
- + Offered with an intrinsically safety option certified by Factory Mutual Approvals (FM) for use in hazardous classified areas.
- + Advanced elements borrowed from top of the line XTS® 5000 portable radio provide optimal protection against water intrusion from blowing rain by taking advantage of redundant seals.
- + With the MacroBlend housing material, it's designed to survive severe shock and vibration, exposure to damaging environments such as salt fog, UV radiation, dust and electrostatic discharge making your radio one tough performer.

Immersible Option

The XTS 2500I portable radio has an IP67 rating making the radio dust proof and temporarily immersible to a depth of up to 1 meter for 30 minutes without ingress of water, helping to ensure your radio operates under adverse conditions.

Encryption Capability

The XTS 2500 portable radio offers single algorithm hardware encryption that supports DES, DES-OFB, DES-XL, AES, as well as Motorola's software encryption ADP (Advanced Digital Privacy) to help prevent scanners and unwanted listeners.

Compare the XTS 2500I Immersible and the XTS 5000R Rugged

Specification

XTS 2500I	IP 67
XTS 5000R	Mil Std 810C/D/E/F Method 512.X

Water Submersion

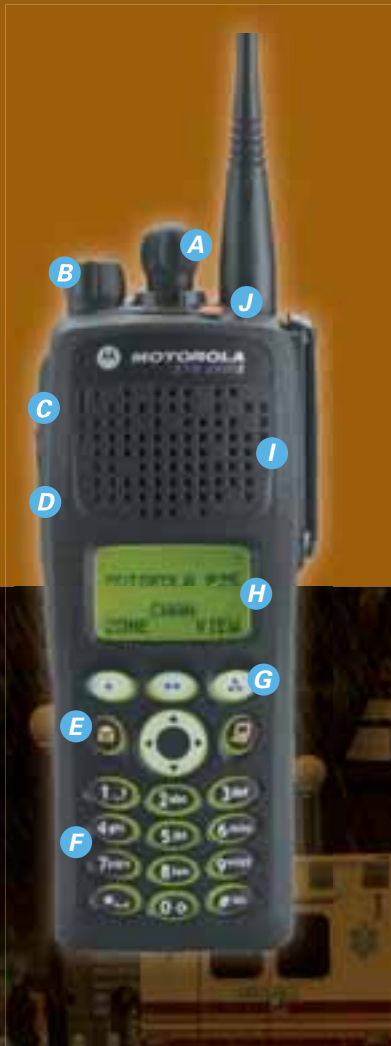
XTS 2500I	1 meter for 30 minutes
XTS 5000R	1 meter for 2 hours

Testing Temperature

XTS 2500I	Room Temperature
XTS 5000R	+27°C

XTS 2500 PORTABLE RADIO FEATURES

- A. 16-position easily selectable rotary knob
- B. Power On / Off volume control
- C. Three programmable side buttons for quick access to pre-programmed functions
- D. Ergonomically recessed PTT
- E. Home button
- F. Indentations for grip assistance
- G. Three software programmable menu buttons
- H. Six line twelve character full bitmap high resolution display. Two lines of icons including: RSSI, battery gauge, user time clock
- I. Top mounted speaker so not to muffle the audio integrity of the radio in holster
- J. Emergency top button – easy to locate by following antenna



Why XTS 2500?

Superior Audio Quality

The XTS 2500 portable radio incorporates Motorola's Noise Shield analog and digital noise reduction technology to accurately filter out the caller's voice from background noise. Virtually eliminating ambient background noise from radio transmissions* and improving user safety by making sure transmissions are not only heard, but clearly understood.

Status / Message Capabilities

Use the XTS 2500 portable radio models with display and keypad to send pre-programmed messages back to the dispatcher without having to use voice communication.

Advanced Emergency Functionality

- + Emergency Keep Alive ensures your emergency call is not dropped even if the radio power switches OFF.
- + Emergency with voice to follow will allow you to communicate without having to press the PTT button.
- + In Digital mode, other users in your talk group hear an alert and see your ID in their display when an emergency call is initiated.

Available in 4 Hardware Models With Increased Channel Capacity

- + Basic model (Model I) – 48 channels.
- + Model with a display (Model I.5) – 96 channels.
- + Model with display and navigation buttons (Model II) – 870 channels.
- + Model with display and full keypad (Model III) – 870 channels.

Motorola System Interoperability

Ability to communicate with many different systems using just one radio: Motorola's SMARTNET®, SmartZone™, and ASTRO 25 systems are all within reach.

Audible Channel Announcement

Channel Announcement allows the user to navigate through channels/talk-groups in the radio while an audible, pre-recorded voice file provides a description of the selected channel or talk-group.

* Recent studies have shown communication systems can be affected by certain high noise sources such as alarm systems in self-contained breathing apparatus or chainsaws in fireground environments.



The Project 25 Solution

- + The affordable answer to the digital standard for public safety.
- + Operates on ASTRO 25 systems, with Mutual Aid functionality on both configurations.

Data Capability

- + Use it as a modem as well as send and receive data through your trunking or conventional system infrastructure.
- + No system – No problem! Use IP packet data capabilities to send data directly to other radios.
- + ASTRO 25 Text messaging Service is a data application through which subscriber radios can send and receive text messages to other subscribers or dispatch operators.

GPS Outdoor Location

The XTS 2500 with the GPS RSM enables a dispatcher to locate on-foot patrol officers who are involved in life threatening situations. Available on ASTRO 25 Integrated Voice and Data systems.

Programming Over Project 25

Motorola's POP25 solution allows subscriber radios to be programmed over the air via the ASTRO 25 systems while remaining in the field.

Easily Adaptable and Fully Expandable

- + Built-in FLASHport™ support lets you customize the radio with new software.
- + Customer Programming Software (CPS) advanced functionality such as Drag and Drop and Programming Over IP allows you to customize your radio while saving time.
- + Ensures future enhancements can be added as you migrate to more sophisticated features and technologies.



“Public safety agencies face a variety of weather conditions along with incidents that demand quality equipment. The need for reliable and durable radios is critical. Fortunately we have Motorola radios to get us through the tough times.”

– Eugene Vardaman, Executive Director
North Carolina Criminal Justice
Information Network

Motorola Original® Accessories offer the quality you expect from Motorola along with exceptional dependability.

Pair your portable with a full line of Motorola Original Accessories including remote speaker microphones, headsets, surveillance kits, carry cases, antennas, batteries and charging systems for your every need.

Motorola Original Accessories are performance matched to guarantee the same high standards of quality that you enjoy with your Motorola two-way radio. When you see the Motorola Original logo, you know the accessories are built and tested to meet the highest standards that you expect. Motorola Original Accessories turn your communication system into a personal communication solution for your everyday needs.

XTS 2500 PORTABLE RADIO ACCESSORIES

Temple Transducer Headset

Lightweight, behind-the-head headset with noise-canceling boom microphone. Innovative design lets you clearly receive audio without covering the ear.

Bluetooth® Wireless Adapter

A compact adapter quickly connects to the XTS 2500 accessory connector and allowing you to use the Motorola H300 Bluetooth headset. Bluetooth cuts the cords, bringing simplicity and efficiency to almost any situation.

GPS Remote Speaker Microphone

The GPS Remote Speaker Microphone allows users in outdoor locations to be automatically tracked by satellite for enhanced personnel safety.

Clamshell Battery

The Clamshell Battery allows you to operate off of 12 AA Alkaline batteries. This solution is ideal in emergency situations when you do not have access to a power source to charge your batteries.

Public Safety Microphone

Includes an antenna for increased coverage, 3.5mm audio jack for additional discreteness and volume switch and emergency button for ease of use.



Model I

Model I.5

Model II

Model III

Both the XTS 2500 and XTS 2500I digital radios are available in four hardware models.

Temple Transducer Headset



Bluetooth® Wireless Adapter



GPS Remote Speaker Microphone



Public Safety Microphone



MOTOA⁴™

Mission Critical Portfolio

Technology That's Second Nature™

The XTS 2500 Portable Digital Radios are part of the MOTOA4 Mission Critical Portfolio of products that offer seamless connectivity between first responders. Motorola puts real-time information in the hands of public safety personnel to provide better information that enables better decisions for better outcomes. It's Technology That's Second Nature. motorola.com/secondnature

XTS Digital Portable Radio Series

A full range of Motorola two-way radio public safety solutions are available to meet the demanding needs of mission critical users. For more information go to:

> motorola.com/xts2500



MOTOROLA

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