

# Lightweight portability. Heavyweight performance.

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. Motorola's XTS 2500 high-performance digital portable radio lets you respond immediately and interoperate effectively helping turn Mission Critical into mission complete. Our IP-enabled, digital Project 25 portable 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 and is an affordable way to migrate seamlessly to the Project 25 digital standard.

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

## P25 Digital Solution

Motorola's Project 25 solutions offer True Interoperability across jurisdictions and agencies. These solutions allow 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 will have 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

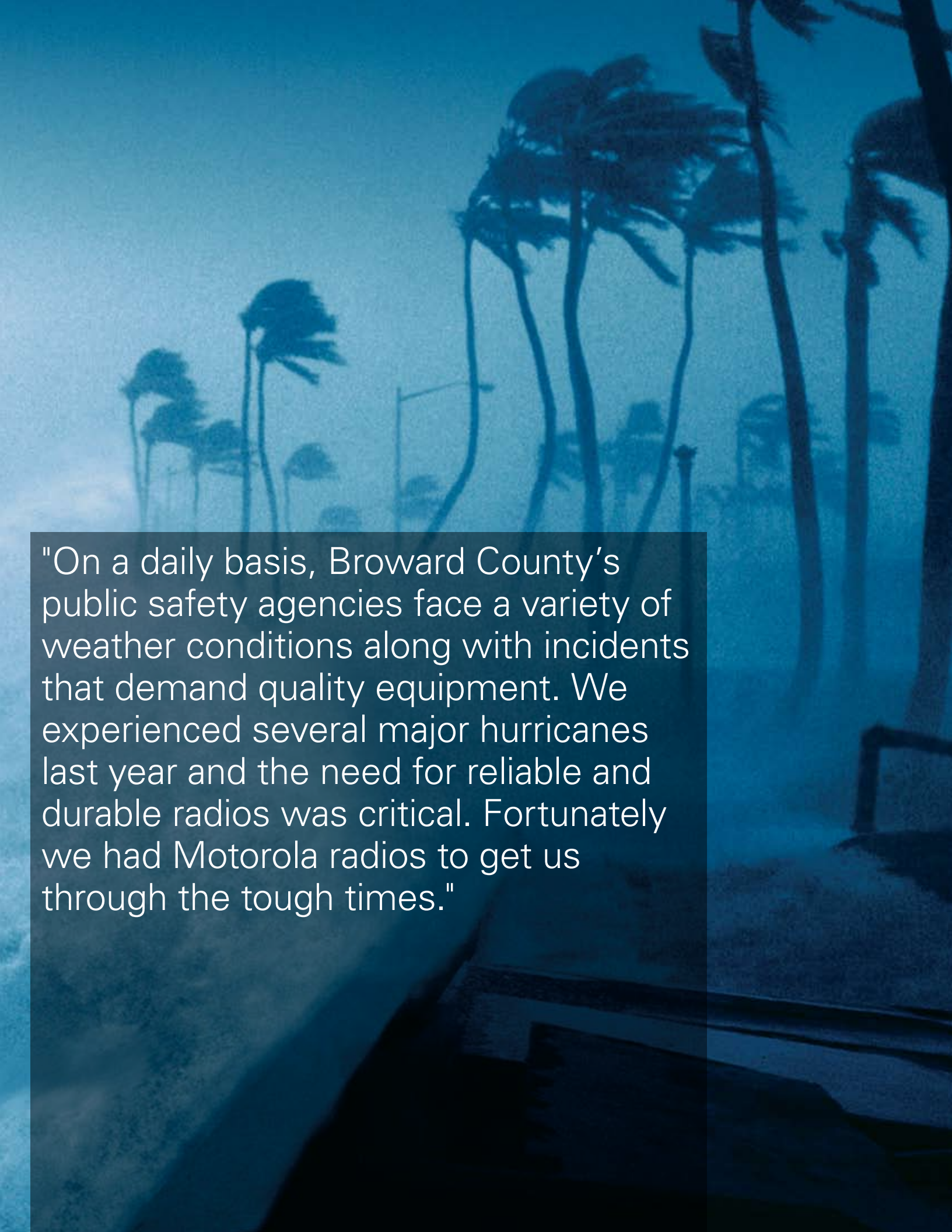
The XTS 2500 portable radio will offer single algorithm hardware encryption that supports DES, DES-OFB, DES-XL, AES, as well as Motorola's software encryption ADP (Advanced Digital Privacy) to help prevent scanners and unwanted listeners.

## XTS 2500 Portable Radio Features

- A. 16 – position easily selectable rotary knob
- B. Power On / Off volume control
- C. Ergonomically recessed PTT
- D. Three programmable side buttons for quick access to pre-programmed functions
- E. Home button
- F. Indentions 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



**Multiple silicon seals protect the radio from water and foreign particles.**



"On a daily basis, Broward County's public safety agencies face a variety of weather conditions along with incidents that demand quality equipment. We experienced several major hurricanes last year and the need for reliable and durable radios was critical. Fortunately we had Motorola radios to get us through the tough times."

# Why XTS 2500?

## Superior Audio Quality

The XTS 2500 portable radio incorporates Motorola's Noise Reduction Software (NRS) which virtually eliminates ambient background noise from radio transmissions. NRS improves user safety by making sure that transmissions are not only heard, but clearly understood.

## 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.

## 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

Numerous advanced emergency call/alert features are standard in the XTS 2500 portable radio. Emergency Keep Alive will ensure that your emergency call is not dropped even if the radio power switch is turned OFF, while emergency with voice to follow will allow you to communicate without having to press the PTT button. When operating in Digital mode, other users in your talk-group will hear an alert and see your ID in their display when an emergency call is initiated.

## Available in 4 Hardware Models

- Basic model (Model I)
- Model with a display (Model I.5)
- Model with display and navigation buttons (Model II)
- Model with display and full keypad (Model III)

## Advanced True Interoperability and Backward Compatibility

- Ability to communicate with many different systems using just one radio: P25 trunking and conventional, analog conventional, and Motorola legacy systems such as analog and digital SmartNet/SmartZone are all within reach.

## The Project 25 Solution

- The affordable answer to the digital standard for public safety.
- Operates on P25 Analog and Digital Trunked systems, with Mutual Aid functionality on both configurations.
- The complete line of XTS 2500 portable radio bands includes:
  - 700/800 MHz (764-870 MHz)
  - 900 MHz (896-941 MHz) - *Future Availability*
  - VHF (136-174 MHz)
  - UHF Range 1 (380-470 MHz)
  - UHF Range 2 (450-520 MHz)

## 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.



# The XTS 2500 portable radio assures crisp, clear communication with new audio enhancements.

It's easy to operate and integrate into any system, and works well with your current XTS and MTS accessories.



CommPort™ Integrated  
Microphone/Receiver



Temple Transducer Headset

## XTS 2500 Portable Radio Accessories

Pair your portable with a full line of Motorola Original Accessories including remote microphones, headsets, surveillance earpiece 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.

### Temple Transducer Headset

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

### CommPort™ Integrated Microphone/Receiver

Features the latest in voice processing technology. Listen and speak under the most adverse conditions. Miniaturized system fastens snugly to the ear.

### Public Safety Microphone *(Future Release)*

Public safety speaker microphones include straight cord assembly, 3.5mm ear jack, swivel clip quick disconnect latch, antenna connector, and receive audio high/low toggle switch. Antenna must be ordered separately.

## Motorola's Service Commitment

The XTS 2500 digital portable radio should offer years of trouble-free performance; however, sometimes unexpected things can happen. Your radios are covered with a standard one-year limited factory warranty. After the initial warranty, Motorola offers a variety of services to meet your repair needs; including Express Service Plus, Service Contracts and Flat Rate Repairs. With over 800 Motorola Authorized Service Repair facilities across the United States in addition to our repair depots, you can rest assured that your radio is restored and returned in peak performance.

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



Model I

Model I.5

Model II

Model III

## Over 65 years of understanding the needs of public safety.

In today's world you need a partner who understands what Mission Critical is all about: the lives and well being of your employees and the citizens they protect. That's why Motorola is a leading provider of interoperable communications systems for public safety, first responders, and government agencies. Our experience, along with our skills, people, partnerships and alliances allow us to build innovative, fully integrated technologies that help organizations like yours share vital information with ease and confidence. We've been doing it for 65 years and we'll be standing by our customers for years to come.

We are committed to bringing all of our knowledge and technical experience together so you can focus on what you do best...to serve and protect the public.

### Your Distributor/Dealer:



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