COMPACT.
CAPABLE.
FUTURE READY.

ST7500 COMPACT TETRA RADIO

MOTOROLA SOLUTIONS

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COMPACT.
CAPABLE.
FUTURE READY.

BEING ON THE FRONTLINE DEMANDS A SPECIAL KIND OF COMMUNICATION DEVICE. ONE THAT IS EASY TO WEAR AND EASY TO CARRY WITH THE RUGGEDNESS AND FUNCTIONALITY REQUIRED TO GET THE JOB DONE IN ANY ENVIRONMENT.

Whether responding to crowd trouble at a demonstration or dealing with a traffic accident on a busy road, public safety officers need a device that is fully capable while being easy to use in the moments that matter. Police officers, emergency medical personnel and security staff have to communicate effortlessly so they can stay focused on the mission from the first call to the final resolution.

Working closely with our customers and listening to their challenges, we've developed a TETRA radio that offers public safety officers a smaller, lighter option to our proven TETRA radio range. The ST7500 is compact, capable and collaborative, a device that's ready for the

frontline and the future. It's our smallest and lightest TETRA radio designed specifically for tough and rugged use. At under 200g, it's easy to carry and easy to wear in a variety of belt or body-worn configurations. Yet despite its size, the ST7500 delivers mission-critical performance with leading-edge features such as Multi-Band Compression for loud and clear audio so users can hear clearly in noisy environments and a hybrid antenna for enhanced coverage. Featuring a MAC13 connector and Bluetooth® 4.1 LE, it's also ready to connect and collaborate with a range of complementary devices and wireless accessories.

MADE TO GET THE JOB DONE, THE ST7500 PROVIDES FRONTLINE PERSONNEL WITH AN INNOVATIVE, FULLY CAPABLE SOLUTION THAT'S DESIGNED TO MAXIMISE RESPONSE AND SAFETY IN THE MOMENTS THAT MATTER.

KEY BENEFITS

- Compact and lightweight
- Simple and intuitive user interface
- Bright OLED display
- Loud and clear audio
- Rugged and robust with IP65, IP67 and MIL-STD 810 D, E, F, G
- Hardware based end-to-end encryption
- Vibration alert

- MAC13 accessory connector
- Bluetooth 2.1 and 4.1 LE wireless technology
- GPS, BeiDou and GLONASS location services
- Up to 22 hours battery life
- Propriety hybrid antenna technology
- Wi-Fi ready

EASY TO CARRY, EASY TO WEAR

FOR MANY PUBLIC SAFETY TASKS, SMALL MAKES PERFECT SENSE.

With a compact form factor and low weight of less than 200g, the ST7500 redefines the rules for public safety radios – without compromising robustness or performance. It's easy to carry and wear without getting caught in cables or uniforms thanks to a very short external antenna, made possible by our proprietary internal hybrid antenna technology.

BUILT FOR THE FRONTLINE

DESIGNED FOR THE FRONTLINE WITH HIGH RECEIVER SENSITIVITY AND 1.8 WATT TRANSMISSION POWER, THE ST7500 PROVIDES UNCOMPROMISING COVERAGE SO PUBLIC SAFETY OFFICERS CAN STAY IN CONTACT DURING A MISSION.

It supports the Global Navigation Satellite Systems (GNSS) based location services for GPS and GLONASS or BeiDou, which allows the command and control to constantly track public safety responders. A simple but highly intuitive keypad enables core functions to be easily activated even while wearing gloves, while a bright, high contrast screen gives at-a-glance visibility of key information in any environment. This all helps responders react faster in the moments that matter.

MADE FOR THE MISSION

RESPOND WITH CONFIDENCE - THE ST7500 SUPPORTS EVERY MISSION AND PURSUIT.

Built to MIL STD 810 D, E, F, G standards, it's ready for use in extreme environments and withstands 1.2 metres drops to a hard floor and vibration shocks. An IP65 and IP67 rating protects against dust, dirt, heavy rain and submersion in up to 1 metre of water for 30 minutes. And with long battery life of up to 22 hours, public safety officers can stay on the street and see the mission through. There's also the option of an ultra reliable wired connection using the rugged MAC13 accessory port.

HEAR AND BE HEARD

LOUD AND CLEAR AUDIO IS A LIFELINE ON THE FRONTLINE.

Despite its small size, the ST7500 delivers mission-critical audio quality with low distortion and advanced noise cancelling so voice calls stay clear, even on busy streets. An open speaker design prevents muffled sound, while Automatic Gain Control ensures audio output is maintained at a defined level so users can consistently hear clearly without adjusting volume. Multi-Band Compression is another advanced audio feature that optimises the balance between loudness and clarity, increasing signal power with minimal distortion when a volume boost is required so you can hear clearly, all the time.

EASY TO USE

THE ST7500 HAS BEEN DESIGNED FOR SIMPLICITY SO USERS CAN FOCUS ON THE MISSION, NOT THE RADIO.

Tactile buttons for Push-to-Talk, volume control, and emergency plus three programmable buttons for most used functions, a talkgroup rocker and a simple keypad with well defined, fully protected keys and haptic feedback, allow responders to react fast in the heat of the moment – even while wearing gloves. One press of the power key lights up the white OLED display and illuminates the keypad for excellent visibility in any environment. And because the user interface has been preloaded with the most frequently used functions, only minimal training is required to use the radio.

CONNECT AND COLLABORATE

WE HAVE TAKEN AN INNOVATIVE AND USER FOCUSED APPROACH WITH THE ST7500 TO DELIVER A FUTURE READY RADIO THAT'S DESIGNED FOR COLLABORATIVE COMMUNICATIONS.

It includes a MAC13 accessory port as well as the latest Bluetooth® 4.1 LE technology to connect and collaborate with a range of complementary devices and wireless accessories, including the LEX L11 Mission Critical LTE Device, heart monitors and sensors for enhanced safety and Bluetooth beacons for indoor location tracking, giving public safety officers even more support on the frontline. With Wi-Fi capability, the ST7500 will also be able to provide seamless device management in the future.
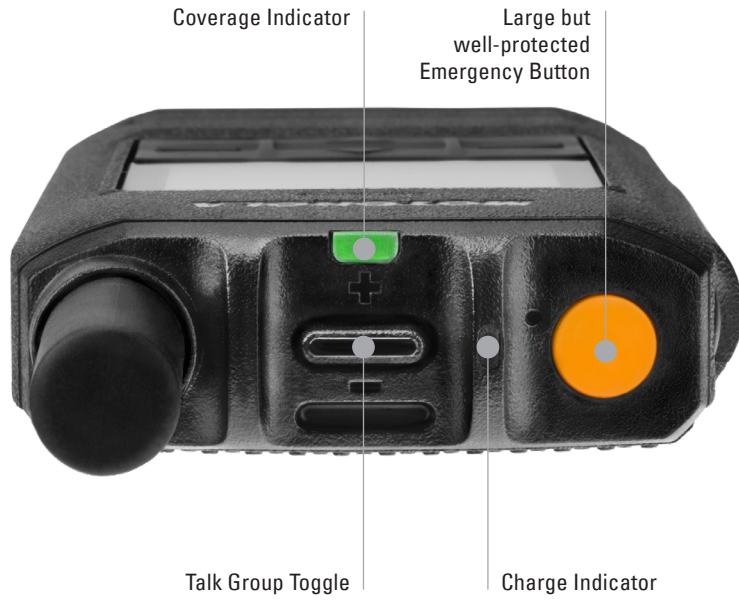
COMPACT.
CAPABLE.
FUTURE
READY.

Hybrid Internal and
28mm External Antenna

Programmable
Button 1

Full Duplex Earpiece

Large High-tactility
PTT Button

High-contrast Bright
White OLED Display

Group 1

Well-defined
Tactile Keypad

Volume Control
Buttons

Programmable
Button 3

Microphone

Open Speaker Port

Programmable
Button 2

MAC13 Robust Wired
Accessory Connector

Coverage Indicator

Large but
well-protected
Emergency Button

Talk Group Toggle

Charge Indicator

Hybrid Internal and 57mm
External Antenna

Removable 2300mAh
IMPRES2 Battery

Bluetooth 2.1 and 4.1 LE
Wireless Technology

Wi-Fi Ready

MOTOROLA

Group 1

FRONTLINE ACCESSORIES

TO OPTIMISE EFFICIENCY ON THE FRONTLINE, THE ST7500 LINKS SEAMLESSLY
WITH A RANGE OF PERFORMANCE ENHANCING ACCESSORIES.

Integrated Bluetooth® 4.1 technology allows users to benefit from wireless audio
headsets for hands-free communications and Push-to-Talk buttons. And with the
MAC13 GCAI port, connecting Motorola Solutions accessories is quick, easy and
secure – with no time wasted when ease of use and speed is of the essence.

AUDIO ACCESSORIES

PMMN4550
IMPRES Small Remote Speaker Microphone with 3.5mm Audio Jack and Emergency Button

PMLN7844
3.5mm Receive Only Earpiece with Translucent Tube (Secondary Audio Device for PMMN4550)

PMLN6900
1-Wire Receive Only Earpiece with Translucent Tube

PMLN6900

BLUETOOTH AUDIO ACCESSORIES

Our exclusive Operations Critical Wireless accessories handle loud environments,while an optional wireless PTT seamlessly links to any accessory. Just put the PTT in a pocket or on a lapel and connect instantly.

PMLN6463
Wireless Kit Includes a Receive-only Earpiece, Bluetooth Pod and Charging Cradle (use PTT on radio)

PMLN7181
Wireless Kit Includes a Swivel Earpiece with Boom Microphone, Bluetooth Pod and Charging Cradle (use PTT on radio)

PMLN7851
Operational Critical Wireless Earpiece Push-to-Talk

NTN2572
Earpiece with integrated microphone and 12-inch Cable (requires NNTN8191 PTT Pod)

NNTN8191
Wireless Bluetooth Push-to-Talk Pod

NNTN8294
Single Wire Earbud with Inline Microphone, 29cm Cord, Black (requires NNTN8191 PTT Pod)

NNTN8295
Single Wire Earbud with Inline Microphone, 114cm Cord, Black (requires NNTN8191 PTT Pod)

NNTN8433
Completely Discreet Wireless Surveillance Kit Includes: Wireless Neckloop Y Adapter and Retention Hook, Discreet Earpiece Kit and Wireless Push-to-Talk Pod (NNTN8191)

NNTN8191

CARRY ACCESSORIES

Our carry accessories keep your hands free so you can concentrate on the task ahead.

PMLN7841
Carry Holster with Swivel Clip

PMLN7842
Carry Holster with Peter Jones

MISCELLANEOUS

PMHN4389A
Battery Cover

PMLN7951A
Pack of 50 Identification Labels

HN001402A01
Dust Cover

PMKN4203A
Radio Programming

PMLN7841

BATTERIES AND CHARGERS

PMNN4510
IMPRES 2 Li-Ion 2300 mAh Battery

PMPN4373A
6-Battery Multi-Unit Charger with UK Plug

PMPN4393A
6-Device/Battery Multi-Unit Charger with UK Plug

PMPN4447A
IMPRES2 Battery Single-Unit Charger with UK Plug

PMNN4510

ANTENNAS   ## ANTENNA BANDS

AN000169A01
Antenna 380-430 MHz - 28mm

AN000262A01
Antenna 380-430 MHz - 57mm

PMLN7636
Pack of 10 gray antenna ID bands

PMLN7639
Pack of 10 blue antenna ID bands

PMLN7637
Pack of 10 yellow antenna ID bands

PMLN7640
Pack of 10 purple antenna ID bands

PMLN7638
Pack of 10 red antenna ID bands

AN000169A01   AN000262A01

For more information, please visit: **motorolasolutions.com/ST7500**

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