KEEPING THE FRONTLINE SAFE

ST7500 NEXT GENERATION TETRA RADIOS
THE FACTS

MOTOROLA SOLUTIONS

AT MOTOROLA SOLUTIONS WE KNOW THAT THE PORTABLE TETRA RADIO HAS BECOME THE COMMUNICATIONS LIFELINE FOR THE EMERGENCY SERVICES. TODAY IN THE UK THE EMERGENCY BUTTON IS PRESSED EVERY 6 MINUTES AND THE FRONTLINE OFFICER NEEDS TO BE CONFIDENT THAT THE MESSAGE WILL GET THROUGH.

The ST7500 is a compact radio that improves officer safety through optimised ergonomics and performance. Weighing less than 200g, it is easy to carry, yet rugged and capable enough for any operational environment.

Check out the facts on why the ST7500 is the right choice when you are looking for the next generation of TETRA radios that deliver outstanding performance in a small and light form factor.

FACT ONE: COMPACT AND LIGHTWEIGHT: EASY TO CARRY AND EASY TO WEAR

ST7500 is one of the slimmest rugged TETRA radios on the market

- Weighing less than 200g and only 22mm thick, the ST7500 is one of the slimmest rugged TETRA radios on the market. Despite its small and light form factor, the ST7500 delivers public safety performance through a number of design innovations, notably a hybrid antenna. This 28mm **hybrid antenna** delivers equivalent performance to a 56mm stubby antenna.

FACT TWO: RUGGED WITH NO COMPROMISE ON BATTERY LIFE

The ST7500 offers twice as much battery life in a smaller form factor than alternative radios

- Built to MIL-STD-810 D/E/F/G standards and exceeding all 11 categories, with IP65 and IP67 ratings, the ST7500 is ready for the mission, pursuit or call-out. When compared with similar alternative offerings the ST7500 is up to 13% smaller while packing up to twice the battery life.

FACT THREE: LOCATE THE NEAREST, MOST APPROPRIATE RESOURCE FOR INCIDENT RESPONSE

The ST7500 delivers improved officer safety through automatic and more accurate location-based alerts when the emergency button is pressed

- The GPS-GLONASS* dual-GNSS (Global Navigation Satellite System) receiver offers a horizontal positioning accuracy of less than 2 metres, allowing teams closest to an incident to be mobilised, ensuring that critical messages get to the right people, and shortening response times.
- Alternative legacy radios, which rely on GPS alone, only achieve typical accuracy of 10 metres.

FACT FOUR: HEAR AND BE HEARD WITH CRYSTAL CLEAR AUDIO

The ST7500 does not compromise on speaker positioning and audio quality

- To achieve a small form factor, alternative offerings compromise by facing the speaker to the rear - this may result in a poor audio experience with lower perceived loudness, especially when in handheld use. The situation is worsened by carry accessories which muffle the audio from the rear facing speaker.
- The ST7500 achieves high quality, loud and clear audio through multi-band compressor technology. This boosts the audio signal by up to 8dB while maintaining less than 1% distortion.

*Multiple GNSS support provides access to global services such as GPS, GLONASS and BeiDou.

FACT FIVE: ENHANCED FUNCTIONALITY THROUGH SMARTPHONE COLLABORATION

The ST7500 is Bluetooth® enabled to connect to a smartphone and a range of devices and accessories

- With the increasing adoption of smartphones and body-worn devices by frontline teams, a simplified approach to operating multiple devices is now critical. The ST7500 allows frontline officers to connect and collaborate via a unique to Motorola Solutions MAC13 GCAI connector or integrated Bluetooth® 4.1 LE to a range of devices and accessories. This capability enables a smartphone user to control the radio.
- The keypad enables multiple functions such as number dialling and text entry. For enhanced capabilities, a collaborative smartphone app provides support for a wide range of functionality that leverages the Enhanced Control Interface – these include full keypad radio emulation, PTT, Emergency activation, Status, SDS, talkgroup, volume changes and more.

FACT SIX: EXPANDED PORTABLE COVERAGE IN RURAL AREAS

The ST7500 delivers greater area coverage and enhanced in-building connectivity

- In rural environments, officers will experience greater portable radio coverage, when operating with Class 3L transmit power level options.
- Class 3L transmit capability combined with exceptional receiver sensitivity, expands portable coverage in rural environments and also enhances in-building connectivity.

FACT SEVEN: OPTIMISED ERGONOMICS ESPECIALLY FOR HIGH STRESS SITUATIONS

The ST7500 is designed for use in high stress situations whilst remaining compact and lightweight

- **TALK GROUP ROCKER BUTTON.** This dedicated TG button can be activated easily with one finger, even when wearing gloves. Well protected by side walls to prevent accidental activation.
- **EMERGENCY BUTTON.** Large and accessible but well protected.
- **PTT.** Isolated by ridges and designed to be located without visual assistance.
- **VOLUME.** Dedicated button and easily accessed.
- **KEYPAD.** Large well isolated keys for 'with or without' glove operation.

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

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