The ST7000 small TETRA radio combines a small and discreet form, simple user interface and clear audio. With a hybrid internal and external antenna system, the ST7000 fits easily in a pocket. The touch sensitive buttons, integrated Bluetooth® 4.1 wireless technology, reversible USB-C connector for charging, and 3.5mm audio connector make the ST7000 a flexible, modern TETRA radio.

**KEY FEATURES**

- Small and discreet design
- Simple and intuitive user interface
- Vibrate alert and haptic feedback for discreet use
- White OLED screen with touch UI for easy navigation
- Loud and clear audio
- 3.5 mm audio connector for maximum accessory compatibility
- Reversible USB-C connector for flexible charging and programming
- Enhanced coverage with 1.8W transmit power
- Durable with IP54 and MIL-STD 810 F/G rating
- Long-life battery with up to 20 hours of use
- Integrated Bluetooth 4.1 wireless technology
- GPS and GLONASS for location services
# ST7000 Specifications

## General
- **Dimensions H x W x D**: 107 x 60 x 19mm
- **Weight Including Battery and Antenna**: 173g
- **Battery**: Removable 2300 mAh IMPRES Li-Ion
- **Battery Performance**:
  - Duty Cycle 5/35/60 > 17 Hours
  - Duty Cycle 5/5/90 > 20 Hours (380-430MHz) / > 19 Hours (800MHz)
- **Audio**:
  - Speech Loudness at 30cm: 94 Phon
  - Audio Output Power at Rated / Max: 0.9 W
  - Audio Distortion at Rated: 1.0 %

## RF Specifications
- **Frequency Bands**: 380-430 MHz, 800 MHz
- **Transmitter RF**:
  - Power Class 3L (1.8W) & Class 4 (1W)
- **Receiver Class**: A and B
- **Rx Static Sensitivity (UHF)**:
  - UHF: -116dBm (min); -118dBm (typical)
  - 800 MHz: -114dBm (min); -116dBm (typical)
- **Rx Dynamic Sensitivity**:
  - UHF: -107 dBm (min); -109 dBm (typical)
  - 800 MHz: -105 dBm (min); -107 dBm (typical)

## Environmental Specifications
- **Operating Temperature °C**: -20 to +55
- **Storage Temperature °C**: -30 to +85
- **Humidity**: ETS 300-019-1-7 Class 7.3E, MIL STD 810 F, G
- **Dust and Water Ingress Protection**: IP54 (All Connectors are IP67 Rated)
- **Shock, Drop and Vibration**: ETS 300-019 1-7 class 5M3; MIL-STD 810 F/G

## Main Voice Services
- Full Duplex TMO Private, PABX, PSTN, Emergency
- Half Duplex TMO Private, Group, Emergency
- Half Duplex DMO Private, Group, Emergency
- Inter-MNI, Gateway, Repeater Compatible
- PTT Double Push
- Adaptive Audio Control (AGC)

## Emergency Call Management
- Tactical Emergency Group Call to ATTACHED Talkgroup
- Non-Tactical Emergency Group Call to DEDICATED Talkgroup
- HOT MIC Emergency - Hands Free in Moments That Matter
- Emergency Status Msg Sent to Dispatch Console
- Preemptive Priority Calls

## DMO Repeater and Gateway Services
- Works with DMO Repeaters and Gateways*

## Bluetooth Audio & Data Services
- **Bluetooth Versions Supported**: Bluetooth 2.1 +EDR, Bluetooth 4.1, Bluetooth Smart (BTLE)
- **Bluetooth Security**: Bluetooth 2.1 Introduces Mandatory Encryption with Secure Simple Pairing (SSP), Easier Pairing and Preventing Sniffing / Hacking
- **Bluetooth Audio**: HeadSet Profile, Fast PTT with Motorola Solutions Accessories
- **Bluetooth Data Services**: Serial Port Profile, Dial Up Networking Profile, Discovery Mode, Generic Access Profile, Generic Attributes Profile (GATT), Heart Rate Profile, Battery Service Profile, Devices Info Profile.

## Location Services
- **Constellations Supported**: GPS and GLONASS
- **Simultaneous Satellites**: 12
- **Tracking Sensitivity**: -163 dBm
- **Accuracy**: < 5 metre (50% probable) @ -130 dBm
- **Protocols**: ETSI UP, LRRP

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* Does not work as a DMO repeater.
## USER INTERFACE

### Hard Keys
- High Tactility PTT
- Power / Wakeup Button
- Talkgroup Change Rocker Switch
- Volume up / down
- 2 Configurable One Touch Buttons, Extensive List of Functions

### Touch User Interface
- Touch sensitive menu icons usable with gloves or in the rain
- Simplified user interface
- Menu editor, simplify and tailor to user needs

### Display
- PMOLED 128 x 64 pixels, white

### Simplified User Interface
- Favourite Talkgroups
- Favourite Contacts
- Bluetooth
- Radio Settings
- My Info
- Language Options

### Advanced User Interface
- Talkgroups – TMO Folders: 256, TMO Unique: 10,000
- Talkgroups – DMO Folders: 128, DMO Groups: 2,000
- Talkgroups – Extended Folders: 330, Mixed TMO/DMO Groups: up to 15 groups per folder
- Country/Network Code List - up to 100, by contact or talkgroup
- Scan Lists - 40 lists of up to 20 groups
- Contacts - up to 1000 with 6 numbers per contact (max 2000 unique numbers)
- Fast/Flexible Call Set Up / Answer
- Multiple Ring Tones possible

### Text & Status Messaging
- Status Messages sent from programmable button**

## SECURITY OPTIONS
- Enhanced Security - OTAR/DMO SCK
- Authentication (Mutual)
- Air Interface Encryption (ETSI / SFPG TEA Algorithms)
- Security Class 1, 2, 3 and 3G support
- End to End Encryption: Motorola CRYPTR micro Hardware Module
- BDS Smart Card support
- Permanent Disable (ETSI, V2-Customer Restore)
- Temporary Disable (Stun)

## DATA & MESSAGING SERVICES
- Secondary Control Channel
- ETSI and Enhanced AT Commands (including Voice Control and Short Data)
- TNP1 - Support simultaneous Packet Data and Short Data Services over PEI
- iTM Fleet Management (Remote Programming)

** SDS messaging, Call-out and Object-call features currently not supported.
SMALL AND DISCREET

The ST7000 small TETRA radio combines a discreet form, simple user interface and high quality audio.