

# HTT-500

TETRA handportable terminal

 **teltronic**  
professional personal communication



## **POWERFUL !!**

### **3W RF output power**

The RF output power can be adjusted from 15 mW up to 3 W to match different user requirements. When configured with 3 W maximum power, it provides significantly more coverage than typical 1 W units. When used with a lower power configuration, emergency calls will still keep 3 W.

### **1W Output Audio Power**

Provides a higher volume and quality of audio

### **Standard High capacity battery**

1800 mAh standard battery pack (Lithium Polymer technology which provides more power with less size)

## **POWERFUL & SECURE !!**

### **"Dead Man" Feature**

Dead Man standard feature, suitable for security and emergency applications.

### **Internal GPS option**

Latest generation, state-of-the-art, sensitive GPS. It enables sending location information either periodically or upon request.

### **Internal E2EE Encryption option**

High performance E2EE encryption hardware, tamperproof module. Several algorithms and market standards available.

## **POWERFUL & FRIENDLY !!**

### **High Quality colour display**

Features a modern user interface, based on a large graphical colour TFT display.

### **Mobile Use / Car Kit Available**

Its high 3 W power allows mobile operation with a Car Kit including cradle, external antenna, hands free kit & vehicle power supply.

### **Optional internal Bluetooth® connectivity**

The Bluetooth® enables more freedom for audio & data connectivity (without leads) , using different Bluetooth® accessories.

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# HTT-500 Main Services supported

## Mobility management:

- Registration / Deregistration, Cell Reselection (handover)
- AI Migration & Multiple MNC (Manual network Selection)

## Security Class 2 & 3:

- Authentication (terminal and mutual)
- Air Interface Encryption Security Class:
  - Class 1: Clear
  - Class 2: SCK
  - Class 3: DCK

- Algorithms: TEA1, TEA2 & TEA3

- OTAR (Over The Air Rekeying)
- Enable/Disable (Temporary and permanent)

## Voice services

- Individual / Group, Semiduplex / Duplex
- PABX / PSTN
- Normal / Priority / Emergency
- Call register

## Main supplementary services:

- Dynamic Group Number Assignment (DGNA)
- Late Entry (LE)
- Calling Line Identification (CLI)
- Talking Party Identification (TPI)
- Priority Call (PC)
- Preemptive Priority Call (PPC)
- Ambience Listening (AL)

## Data services:

- Status to Individual or Group address
- SDS (type 1, 2, 3 & 4) to individual or group address (with or without TL)
- Simultaneous Status & SDS Data on a Voice call
- Circuit Mode Data
- Packet Mode Data
- Inbox of up to 15 Status
- Inbox of up to 15 SDS
- 100 preprogrammed Status
- Outbox up to 15 SDS

## MMI Languages:

- Spanish, English, French, German, Catalan, Dutch, Polish, Portuguese, Russian, Chinese, Korean
- Others: To consult



## Configurations

- 1.- Basic.
- 2.- GPS
- 3.- Bluetooth®
- 4.- GPS + Bluetooth®
- 5.- E2EE (End to End Encryption) + GPS

## Environmental

### General

- Operating Temperature Range: -30°C to +60°C
- Conformance Testing: ETSI EN 300 394-1 (-20°C to +55°C)
- Storage Temperature: -40°C +85°C
- Dust and Water: IP54

### Classification according to ETSI EN 300 019 standard

- Storage. Class 1.3. Non-weather protected storage locations (class T1.3E).
- Transportation. Class 2.3. Public transportation (Class T2.3)
- Portable and non-stationary use.
  - Environmental Class 7.3. Partly weather protected and non-weather protected locations
  - Mechanical Class 7M3
- Mobile use Ground vehicle:
  - Environmental Class 5.2. Partly protected installations
  - Mechanical Class 5M3

## Wide range of accessories, including:

### Accessories

#### Chargers:

- Desktop Charger (1 slot + 1 battery)
- Desktop Charger (6 slot + 6 battery)
- Travel Charger
- Vehicle Lighter Charger
- Standard Li-Polymer Battery 1800mAh

#### Audio:

- Remote Speaker Microphone
- Bluetooth® Headset
- Standard Earhanger

#### Others

- Helical and 1/4 Wave antennas
- Nylon Case with belt clip
- Leather Case with belt swivel

## Technical Data

### General

- Dimensions (H x W x L): 144.2 x 59 x 37mm
- Weight: aprox 350gr.
- Audio output: 1W
- Battery Life 5/5/90 (1W): > 18h
- Battery Life 5/5/90 (3W): > 14h
- Display: Graphical Colour TFT 1,8" (128 x 160 pixels & 65.000 colours)

### RF Features

- TX output power: From 15mW to 3W (Class 3)
- Class A receiver
- Static Sensitivity: -112dBm
- Dynamic Sensitivity: -103dBm

### Frequency Bands

- 380-400 & 410-430 MHz
- 410-430 & 450-470 MHz
- 806-870 MHz

All Teltronic products are in continual research and development, for which we reserve the right to modify their characteristics. The availability of the accessories included in this document are subject to change without notice.



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