



TruLink

Wireless Intercommunication System



Telephonics' TruLink® Wireless Intercommunication System is the ideal choice for all of your untethered, hands-free communication needs. Whether on the land, sea or in the air, TruLink will provide flawless intercommunications coverage to ensure the reliability, safety and mobility of all users.

### Reliable Wireless Intercommunications

TruLink is a versatile full-duplex wireless intercom, operating reliably in high-noise environments while providing resistance to shock, vibration, moisture, sand, dust and extreme temperatures.

### Unparalleled Features

- Clear communications in high-ambient noise environments
- Hands-free, full-duplex operation
- Simple user controls
- Voice menus for ease of operation
- 100 channels, with 31 users per channel and 6 simultaneous speakers
- Can operate as a stand alone system or as a wireless extension to an existing Intercommunications System (ICS)
- Small size and lightweight



TruLink enhances operations and increases operator safety.

# Commercial Flightline Operations



## Wide Base of Deployed Systems

TruLink is proven in a variety of air, land and sea applications for commercial and military users with the most extensive set of aircraft certifications.

- Flightline operations
- Aircraft production
- Transport
- Rotary-wing
- Fighters
- Maritime
- Ground vehicles
- Unmanned systems

## Technical Specifications (Standard TPT)

- TruLink Portable Transceiver size (without antenna): 6.1 l x 2.9 w x 1.9 d (in.)
- TPT weight: 11 oz. (with 3 AA batteries)
- Operating time: 8 hours
- Frequency: 2.4 GHz
- Range: up to 2,500 ft. (line-of-sight)
- Operating temperature: -40°C to +55°C
- Spread spectrum: frequency hopping, 50 hops per sec.
- Number of channels: 100
- Number of users per channel: 31 (6 simultaneous speakers)
- MIL-STD-810F: Environmental Engineering and Laboratory Test



TruLink is a trusted, proven technology during search and rescue operations.

- MIL-STD-704A: Aircraft Electric Power Characteristics
- MIL-STD-464: Electromagnetic Environmental Effects Requirements
- MIL-STD-461E: Control of Electromagnetic Interference, Characteristics of Subsystems and Equipment
- Hazards of Electromagnetic Radiation to Ordnance (HERO approved)

# Ground Vehicle Systems



## TruLink Units

- **TruLink Portable Transceiver (TPT)** – Standard TruLink transceiver
- **Dual Portable Transceiver (DPT)** – Used as a portable interface to an existing wired ICS
- **Submersible Portable Transceiver (SPT)** – Used as a transceiver in maritime environments
- **TruLink Access Point (TAP)** – Permanent interface that can be wired into an existing ICS to extend communications to wireless users
- **Encryption Options**
  - **Wireless Encryption Device (WED)**  
NSA Type 1 Certified
  - Software-based, FIPS-140 encryption
  - Additional encryption options available



TruLink is trusted by military and commercial users.



TPT



DPT



SPT



TAP



WED

# TruLink Wireless Intercommunication System



## TruLink Accessories

- **Battery Chargers**
  - Telephonics offers different battery charging options for your TPT, SPT or DPT
- **Platform Interface Cable (PIC)**
  - Cables that create an interface from a DPT to a variety of air, land and sea platforms
- **TruLink Speaker Microphone (TSM)**
  - A small, portable speaker microphone that is connected to TruLink and worn by the user
- **TruLink Auxiliary Speaker System (TASS)**
  - Enables monitoring of TruLink system communications without a headset or handset
- **Headsets**
  - Multiple headsets are available for specific user applications
- **Software**
  - Tailors operation to specific user requirements via software
- **Pouches**
  - Military, OSHA-orange and custom colors available
  - DPT Nosewheel Bag with “Remove Before Flight” flag safely holds the DPT and PIC cable

For additional information, contact Telephonics at 631.755.7000 or visit [www.telephonics.com](http://www.telephonics.com).