

Specifications

Dimensions	3" w x 1.5" d x 4" h	Output	50mV/m (FCC Part 15)
Weight	7.8 oz	Deviation	+/-7KHz
Modulation	Frequency modulation	Modular distortion	<5%
Tuning	PLL Frequency synthesizer	Spurious radiation	>50 dBC
Power	4.8V NiCad Battery, 700 mAH	Sensitivity	<-116dBm @ 12dB SINAD
Battery life	Standby(50mA)=12 hours Communication(140mA)=5 hrs	IF bandwidth	15KHz
Charging time	70mA/hour trickle, 12 hrs for full	Image rejection	>60 dB
Frequency range	902.6-904.55-925.6-927.55 MHz (40 channel combination)	Operating temp	-10 to +40°C
Antenna	.4" w x 2" h	Switches	Off/Vol, Channel Select, Full/Standby

Warranty

Eartec communication systems are warranted from malfunction due to manufacturing defects by the original purchaser for the following periods after date of purchase:

Transceivers

Digicom	1 year
MC-1000	1 year
TD900	6 months
Simultalk 24G	6 months

Headsets

Heavy Duty	1 year
Midweight	6 months
Lightweight	30 days

Rechargeable batteries

60 days

What is Covered

If you require warranty service for your product within the warranty period ship your product pre-paid only to Eartec. The end user is responsible for the initial shipping charges to our facility. Eartec will pay the return ground shipping charges if the product is covered under the warranty.

This warranty covers defects in materials and workmanship in all Eartec products excluding:

- (a) Damage from misuse, abuse, or general wear and tear.
- (b) Repairs or product modifications by anyone not authorized by Eartec Co.

General Service

All repair work due to general wear and tear will be performed for the cost of replacement parts, radio re-tuning and return shipping from the Eartec factory.

Service

Eartec Co.

145 Dean Knauss Drive
Narragansett, RI 02882

COD or Collect deliveries will not be accepted.

A letter explaining any problems and work to be performed must accompany each repair shipment with:

Name, Business, Complete Address, Telephone Number, Email Address


Returns

Eartec products may be returned for credit or refund only if received in the original packing and in "As New" condition within 30 days of date of purchase.

EARTEC Co.

145 Dean Knauss Drive
Narragansett, RI 02882
Tel: 1-800-399-5994
In RI: 401-782-4966
Fax: 401-789-7300





TD900
Full Duplex
Wireless
Communication
System

Eartec Co. TD900 Full Duplex Wireless



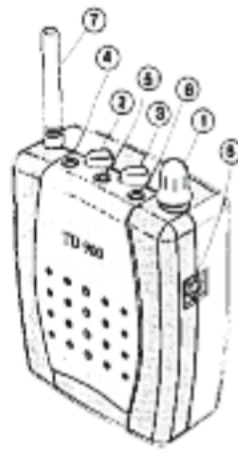
TD900 Wireless Features

Full duplex, two-way transceiver

Simultaneous talk - hands free communications

State of the art digital technology

1	On/Off, Volume knob
2	Talk button up=standby, down=talk mode
3	Channel selectivity button up=channel A, down=channel B
4,5	Channel and status indicators A and B startup mode=green standby mode=red communication mode=orange
6	Battery low / charge indicator
7	Antenna
8	Headset socket
9	Belt clip
10	Charger socket
11	Channel dip switch inside battery compartment



TD900 Wireless Instructions

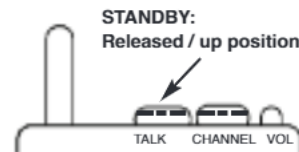
Charging the Radios

The batteries that provide power to your system must be "drained". Simply follow the procedure below within 48 hours before each use:

1. Turn ON all radios until LED lights turn OFF to drain battery power.
2. Turn power OFF to all radios.
3. Plug AC Charger/Adapter into a wall outlet and attach to radio charge socket.
4. Charge each radio for 10 - 12 hours.
5. The transceiver battery charges fully in 10 - 12 hours. To prevent overheating of the charger and to prevent damage to the charge circuit do not leave the charger plugged in for more than 24 hours. A fully charged battery will operate in full duplex up to 5 hours.

Start-up Your Radios

1. Batteries must be fully charged before first use.
2. Begin with radios in OFF position.
3. Turn radios ON by rotating VOLUME dial clockwise.
4. Using CHANNEL button, select the operating frequencies indicated by green light (A or B).
5. Set TALK button on each radio to STANDBY.



TD900 Wireless Instructions (cont.)

Using Your Radios & Headsets

1. Charge radios as indicated above.
2. Plug headset jack into headset socket marked MIC/EARPHONE.
3. Position headset microphone directly 1-2" in front of mouth.
4. See below for use with your specific system setup.



NOTE: To communicate properly, all radios in the group must be set to the same frequency. The dip switch channel programming feature is located inside the battery compartment. See page 5 for channel combinations.

For Systems with 2 Radios

1. Charge radios as indicated.
2. Identify MASTER radio, and turn it on.
3. Set MASTER radio to transmit: press the talk button once, and confirm orange LED light.
4. Turn on REMOTE radio. LED light should be red, indicating standby mode.
5. Switch REMOTE to transmit by pressing the talk button. Light will turn orange.

For Systems with 3 or More Radios

The TD904 Pro Series is a multi station team communication system. Each Pro Series intercom provides the master hands free voice contact with an unlimited number of remote stations. All remotes continuously monitor the master. One at a time, remote users can switch from standby (listen only) to continuous talk operation.

1. Charge radios as indicated above.
2. Identify MASTER radio, and turn it on.
3. Set MASTER radio to transmit: press the talk button once, and confirm orange LED light.
4. Turn on REMOTE radios. LED light should be red, indicating standby mode.
5. Any REMOTE user may switch to transmit by pressing the talk button. Light = orange.
6. REMOTE users should switch from transmit back to standby mode after conversation is complete. This allows another REMOTE user to switch to transmit mode.

