



Quick To Deploy Low Profile Relay Radio



TW GHOST 875 RADIO

LOW PROFILE, SMALL FORM FACTOR

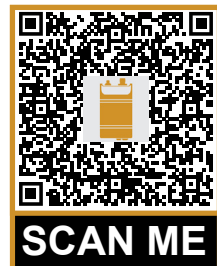
The TW Ghost 875 radio is highly portable and features a built-in battery that provides significant flexibility in deploying and enhancing TSM networks. The TSM network extends beyond dismounted users, where TW Ghost radios provide access to a wide range of platforms and can be deployed as network relays.

KEY FEATURES

- Ideal for network relay when a full-featured radio is not required
- Provides USB On The Go (OTG) data interface for Internet Protocol (IP) data, configuration, and network monitoring
- Shares common antennas and cabling with the TW-900/950 handheld radio to maximize flexibility and save life cycle cost
- Leave behind as an unattended relay device
- FCC/IC-certified configuration available

TRELLISWARE WAVEFORMS

TrellisWare's Barrage Relay technology provides proven network scalability and performance without compromising quality of service. The TSM waveform is a highly scalable and robust MANET waveform that supports over 800 nodes with simultaneous voice, data, video, and PLI operating in a single radio frequency channel. The optional Katana waveform combines resilient narrowband fast frequency hopping with tactical MANET, operating in highly contested radio frequency (RF) communication environments.

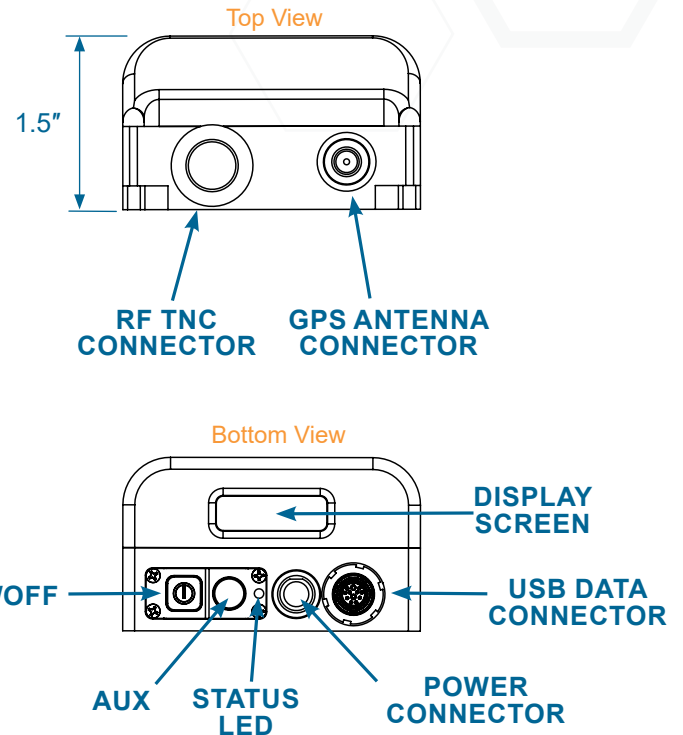
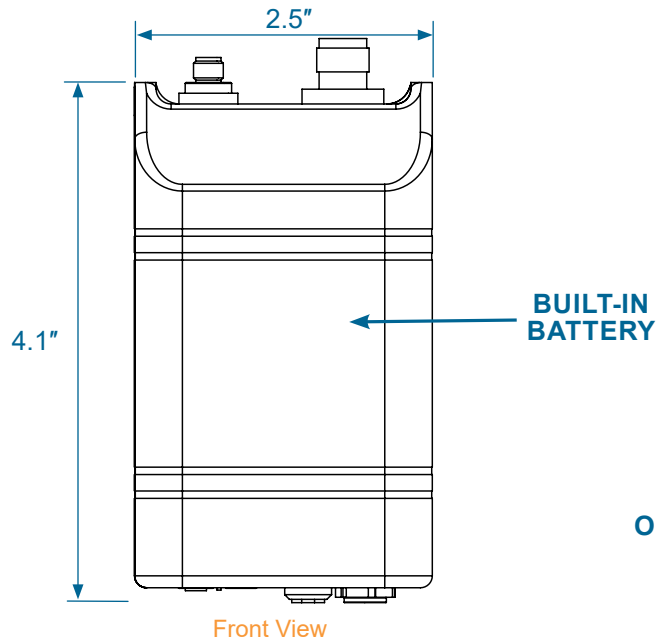


SCAN ME





COMPONENTS



SPECIFICATIONS

Physical	
Overall Size	4.1 L x 2.5 W x 1.5 H in (103 x 64 x 37 mm)
Weight	1.0 lbs (450 g)
Frequency Range	<ul style="list-style-type: none">• L-UHF: 225–450 MHz• U-UHF: 698–970 MHz• L/S Bands: 1250–2600 MHz
Bandwidth/Channel Spacing	Wideband: 1.2, 3.6, 10, 20 MHz Narrowband: 6.25, 8.33, 12.5, 20, 25, 50 kHz
Transmit Power	.001 mW, .01 mW, .1 mW, 10 mW, 100 mW, 250 mW, 500 mW, 1 W, 2 W
Input Power	5–20 VDC
Rechargeable Battery	32 Wh Built-In
Connectors	<ul style="list-style-type: none">• USB On-the-Go• RF TNC• GPS SMA
Environmental	MIL-STD-810G, IP68
Operating Temperature Range	-20°C to +55°C (-4°F to +131°F)
Audio Encoding	AMR 5.9, MELPe
Waveforms	<ul style="list-style-type: none">• TSM• NB LOS• Katana (optional)
GNSS	GPS

Networking Capabilities

Network Coverage	<ul style="list-style-type: none">• Barrage Relay• Multi-hop – Up to 8 Hops• 800 Nodes in a Single RF Channel• Robust in Harsh RF Environments• Up to 32 Mbps
Communication Services	<ul style="list-style-type: none">• Simultaneous Voice, Data, and PLI• IP Support – IPv4, IPv6; Unicast, Multicast, Broadcast; TCP, UDP
Security	<ul style="list-style-type: none">• AES-256 (FIPS 197)
Application Support	<ul style="list-style-type: none">• Built-in Web Applications• Over the Air Remote Control• TW Connect• ATAK support

Specifications subject to change without notice.

Note: For Military and Public Safety Use. Please contact TrellisWare Customer Support at support@trellisware.com for FCC/IC radio options, or EU and UK declarations.



When Nothing Else Works

TRELLISWARE.COM

To place an order, please contact your account manager.
For more information, email sales@trellisware.com

Please access the most recent digital version of this datasheet on the TrellisWare Customer Support Site (site registration required)

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