

## RF Network Repeater



The Tehama Wireless RF Network Repeater receives radio messages from MDTs and other repeaters then retransmits the message with its high power radio toward the data collecting DCAP. It implements a redundant and self-healing 2-way mesh network between MDTs and the DCAP.

Many repeaters are used at a site to form complete RF coverage over the entire property, or to connect separate buildings that may be up to ½ mile apart.

An internal backup battery allows for continued use after power has been removed, sending a status message to the DCAP when this happens. The DCAP then instantly generates an email indicating an unplugged repeater event, for proactive network maintenance. Power restored messages are also generated.

## Specifications

Radio	902 – 928 MHz; FCC Certified; Open field range of up to 0.75 miles*
LED	Indicates on/off and Network connection status.
Dimensions	4.3" x 2.2" x 1.2"
Operating Environment	-10 to 145 degree F, up to 90% RH, non-condensing.
Backup Battery	Li-ion battery, recharged by integrated power circuitry. Typically lasts 2 days, but is dependent on amount of radio traffic.
Power	5VDC, 1A via 120 VAC wall transformer

Continual product enhancements may cause specifications to change without notice.

\*Actual range may vary depending on installation location and topography.

## Models

Repeater, 5V input	TW-101R-5	Includes 5V DC, 1Amp power supply, internal backup battery.
Repeater, 12V input	TW-101R-12	Includes internal backup battery, 30 inch power leads. DC Power source (nominally 12V, range from 9V to 16V, 12 Watt minimum) sold separately.
Repeating MDT	TW-141LW-PL	Low RF powered Leaf Repeater with a single pulse input counter. Designed to be powered from the 12V output of an electric CT meter.

Contact us:

**Tehama Wireless**

2607 7th Street, Suite G

Berkeley, CA 94710

415.495.7344

[info@TehamaWireless.com](mailto:info@TehamaWireless.com)

[www.TehamaWireless.com](http://www.TehamaWireless.com)

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USA

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