

Editor contact

Michael Abolfathi
(408)929-4400
mabolfathi@telewave.com

Telewave Launches Medium Powered Combiner Solution for Land Mobile Radio

SAN JOSE, CA (May 22, 2017) – [Telewave, Inc.](#), today introduced the **TW150-XHRB1M** Series transmitter combiners that deliver very high isolation, medium power loss, and high RF power handling capability for use in public safety and Land Mobile Radio applications operating between 148 to 174 MHz.

The trend toward narrower channel bandwidths has resulted in many cases where multiple transmitters that are closely spaced in frequency must be combined onto a shared antenna. This close, and sometime adjacent channel spacing, require high channel to channel isolation. Telewave's hybrid transmitter combiners are designed to meet these challenges using our balanced hybrid circuit and the company's **T-1560M** two-stage medium power isolators that provide extremely high transmitter-to-transmitter isolation of up to 100 dB and antenna-to-transmitter isolation of up to 70 dB.

The TW150-XHRB1M series combiners are designed to accommodate two, three, or four transmitters combined to a single transmit antenna. These combiners can handle up to 100 W CW per channel at 100 % duty cycle with a minimum channel separation of 0 kHz. They operate over a temperature range of -30°C to +60°, have a maximum VSWR of 1.3:1, and have female Type-N input and output connectors. Full-surface heat sinks ensure stable thermal management in any environment. All models in this series, can operate at altitudes up to 15,000 ft. while others are typically usable up to 10,000 ft.

“Due to densely packed spectrum in Land Mobile Radio, transmitters that are close in frequency sometimes need to be combined on one antenna. Telewave's new medium powered combiners allow closely spaced transmitters to share an antenna” said Robert Bagheri Chief Executive Officer of Telewave.

The TW150-XHRB1M can be factory mounted in an optional 19” rack, or it can be mounted in any existing 19” Telco style rack. The combiner can be paired with an optional power monitor or an alarm panel that can facilitate the remote indication of a local transmitter system fault. The combiner can also be paired with any of the Telewave receiver system components.

Like all Telewave products for land mobile and public safety applications, electrical and RF specifications of the TW150-XHRB1M Series combiners can be customized to meet specific customer requirements. More information is available by contacting Telewave Application Engineering Department.

Editors: Please direct readers to Telewave, Inc., 660 Giguere Court, San Jose, CA 95133, (408) 929-4400, email: sales@telewave.com, <http://www.telewave.com/>

About Telewave

Telewave designs and manufactures high quality RF system products. It serves wireless system operators, public safety providers, local and state governments, and federal agencies in the United States and internationally. The company was founded in 1972 and is based in San Jose, California. Telewave strives to be the premier supplier of seamless interoperable communication systems that provide security and reliability in mission critical eco-systems for both commercial and military applications worldwide. Telewave products are used by more than 7,500 equipment and network manufacturers and government agencies throughout the world.