

## M101-860-10TRM LOW LOSS 800 MHz COMBINER

The Telewave.io M101-860 Trunking Combiner is an industry leader in low-loss combiner technology. Ease of installation and maintenance is accomplished by front panel tuning.

These trunking combiners are complete packages, including 19" x 72" rack or heavy-duty steel cabinet with front and rear locking doors, receiver distribution system, preselector, and power monitoring system.

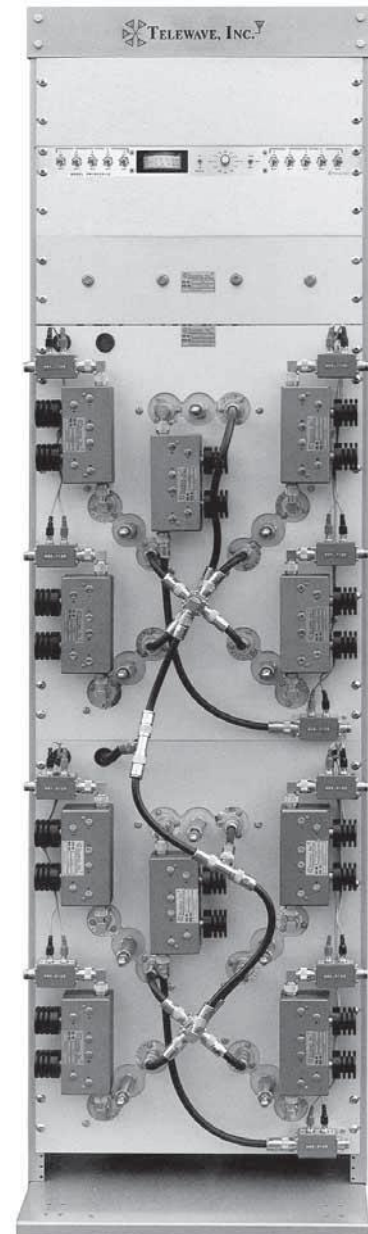
The completely passive combining technique allows for maintenance and addition of channels without disruption of the system.

Valuable site space is conserved when using efficient Telewave.io designed combiners, and RF power metering is a standard feature. All forward and reverse power measurements are switchable for each transmitter and antenna.

Convenient remote transmitter keying is included on the RF wattmeter panel.

All rack-mount five channel combiners are field expandable to 10 channels by the addition of pre-tuned combiner panels. The modular building-block construction means no specialized test equipment is required.

The advanced mechanical design of the Telewave.io 8-inch high "Q" cavities assures maximum long-term system performance. All cables are easily accessible from the front panel.



### SPECIFICATIONS

Frequency range	806-869 MHz
Channels	1-10 channels into 1 or 2 antennas
Channel separation (min)	500 KHz (250 KHz with 3Q cavities)
Input power (max)	150 watts per channel
Impedance / Input VSWR (typ.)	50 ohms / 1.25:1
Insertion loss per ch. (typ.)	2.0 dB - 5 ch. at 1 MHz spacing 3.2 dB - 10 ch. at 500 KHz spacing
TX-to-TX isolation (typ.)	85 dB
Antenna to TX isolation (typ.)	80 dB
2nd harmonic suppression (typ.)	90 dB
Cavity size	8" diameter / 1/4 wave
Operating temperature	-30°C to +60°C
Mounting / Connectors	19" rack mount / N Female
Panel dimensions (HWD) in. (cm)	24.5 x 19 x 16 (62 x 48.3 x 40.6)
Weight lb. (kg)	75 (34) 5 ch.