

M101-860-10TRM

LOW LOSS 800 MHz COMBINER

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

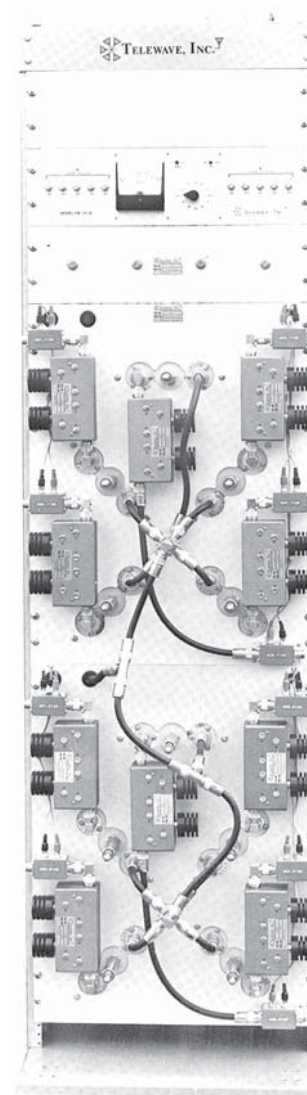
These trunking combiners are complete packages, including 19 inch rack or heavy duty steel cabinet with front and rear locking doors, receiver distribution system, preselector, and power monitoring package.

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 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 8-inch high "Q" cavities assures maximum long-term system performance. All cables are easily accessible from the front panel. There are no hidden cables.



TRANSMITTER COMBINER		RECEIVER SYSTEM (OPT.)	
Frequency	806-869 MHz	RX to RX isolation	25 dB (typ)
Frequency spacing (min)	250 KHz	System gain	+4 to +6 dB (typ)
Metering	All TX and antenna	Noise figure	2.5 dB (typ)
Temperature	-30°C to +60°C	3rd order intercept	+36 dB (typ)
TX to TX isolation	85 dB (min)	Power input	120 or 240 VAC / +15 VDC
Antenna to TX isolation	80 dB	Temperature	-40°C to +60°C
Insertion loss (typ)	2.2 dB - 5 ch. at 1 MHz	Connectors	N-Female
	3.2 dB - 10 ch. at 500 KHz	Receiver channels	8, 16 or 24
Power input / channel	150 watts	Mounting	19" rack mount
TX Input VSWR (max)	1.25:1	Test port	-20 dB