

M101-450-8TRM LOW LOSS UHF COMBINER

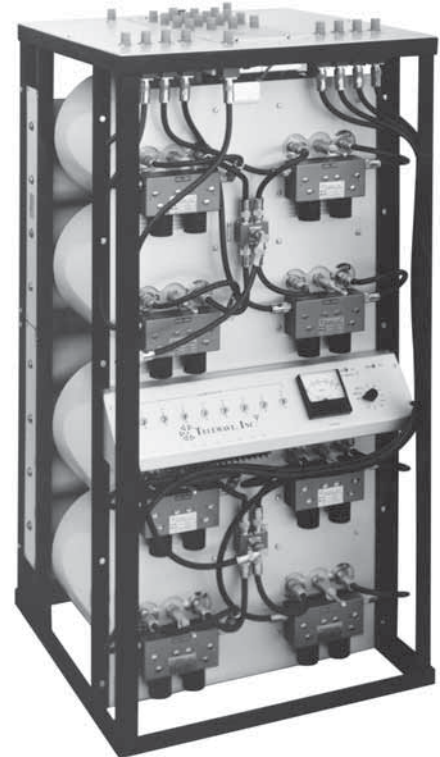
The Telewave M101-450 Low Loss UHF Combiner is a unique, fully self-contained transmitter and receiver combining system. The custom welded 24" steel frame provides a rugged enclosure for all system components. This integrated design allows channels to be added, retuned, or removed in the field at any time, without disrupting other active channels. The 24" x 48" rack handles up to 8 channels and 1 or 2 antennas.

With new narrowband channel assignments, proper filtering is even more critical. 10-inch High-"Q" cavities with dual isolators provide 80 dB isolation between channels, and the optional receiver panel drives multiple receivers from a single antenna. The PM8C2S wattmeter panel allows forward or reverse power monitoring for each channel, or total power to each antenna. The M101-450 series allows system operators to take advantage of new technology,

and enhance the performance of existing systems.

FEATURES

- ALL TUNING FROM FRONT
- 8 TRANSMITTERS INTO ONE ANTENNA
- INTEGRATED RCVR PANEL
- SELF-CONTAINED, BUILDING BLOCK CONCEPT
- LESS THAN 3 dB INSERTION LOSS WITH PROPER FREQUENCY SELECTION
- ALL CONNECTIONS AT TOP OF RACK
- 80 dB TX TO TX PROTECTION
- 130 dB RX INTERMOD PROTECTION WITH RX PNL.
- RF POWER MONITORING FOR ALL CHANNELS AND ANTENNA
- REMOTE TX KEYING
- FIELD TUNABLE



M101-450-8TRM-8R
(with optional preselector and receiver panel)

SPECIFICATIONS	
Frequency range	400-512 MHz
Channels	1-8 channels into 1 or 2 antennas
Channel separation (min)	250 KHz
Input power (max)	150 watts per channel
Impedance / Input VSWR (typ.)	50 ohms / 1.25:1
Insertion loss per ch. (typ.)	2.8 dB at 275 KHz spacing
TX-to-TX isolation (typ.)	80 dB
Antenna to TX isolation (typ.)	75 dB
2nd harmonic suppression (typ.)	90 dB
Cavity size	10" diameter / 1/4 wave
Operating temperature	-30°C to +60°C
Mounting / Connectors	24" rack mount / N Female
Dimensions (HWD) in. (cm)	48 x 24 x 24 (122 x 61 x 61)
Weight lb. (kg)	150 (68.1)