

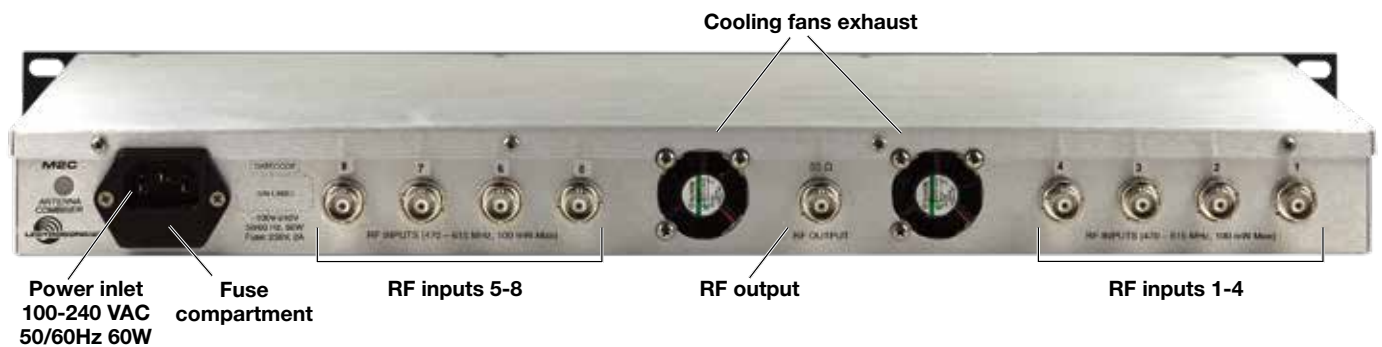
## Enhanced Bandwidth Active Antenna Combiner



- Combines up to eight transmitter RF output signals to feed a single antenna
- Frequency range 470.000 to 692.000 MHz; A1-B1-C1 coverage
- High overload components minimize intermodulation products
- Up to 100mW input on each port
- Efficient architecture for low power consumption
- USB port for firmware updates
- Front panel LEDs indicate active channel
- Made in the USA

The M2C active antenna combiner is designed as an ideal matching component to Lectrosonics digital transmitters. Up to eight transmitters can feed a single antenna to minimize cabling in multi-channel systems. The inputs are isolated to minimize crosstalk and IM (intermodulation) between RF channels.

The overall architecture of the design provides excellent performance with low power consumption and heat buildup. Front panel indicators display active status of RF inputs. A USB port on the front panel is provided for firmware updates.



# Specifications

<b>RF frequency range:</b>	470.000 to 692.000 MHz	<b>Power requirements:</b>	100-240 VAC; 50/60 Hz
<b>Input impedance:</b>	50 ohm	<b>Power consumption:</b>	60W maximum
<b>Output impedance:</b>	50 ohm	<b>Power inlet fuse:</b>	250 VAC, 2A
<b>Input connectors:</b>	(8) BNC; 50 ohm	<b>Dimensions:</b>	19.00 x 1.75 x 9.50 in. 483 x 45 x 241 mm.
<b>Output connector:</b>	BNC; 50 ohm	<b>Weight:</b>	5 lbs, 4 oz (2.381 kg)
<b>RF gain:</b>	0dB		
<b>Indicators:</b>	LEDs; glow green when signal present, glow yellow when input > 50 mW and limiter active, and blink red with fault		
<b>RF input threshold for LED indication:</b>	5dBm		
<b>Operating temperature range:</b>	-20 to +40°C (-4 to 104° F)		

*Specifications subject to change without notice.*

## M2C Combiner Block Diagram

