



CSA121X PASSIVE WIDEBAND SPLITTER COMBINERS

The **CSA121** series of compact, passive wideband splitter / combiners is designed to function as:

- PASSIVE WIDEBAND COMBINER →1 x 2:1
- PASSIVE WIDEBAND SPLITTER →1 x 1:2

Each available model has unique, differentiating functions:

CSA121A



- DC-coupled for use with antenna booster/ active antennas.
- Handles up to 1.5 Amps without saturation for high power IP3 booster driving (i.e. Wisycocom BAW booster driving)
- Supplied with 230/110 Vac power supply with locking connector

CSA121B



- Works with input power up to 2W
- DC pass-through for antenna booster powering

CSA121T



- Works with high input power – up to 3W
- Becomes a smart combiner when used with Wisycocom MTK952N (2W0) Transmitter
- Recovers combiner loss as MTK952N increases output power as needed

Note: the CSA121T does not have booster pass-through capabilities

Combining instructions: Use [1] & [2] for input signals. Combined signals are available at [C].

Splitter instructions: Use [C] for input signal. Split signal is available at [1] & [2].

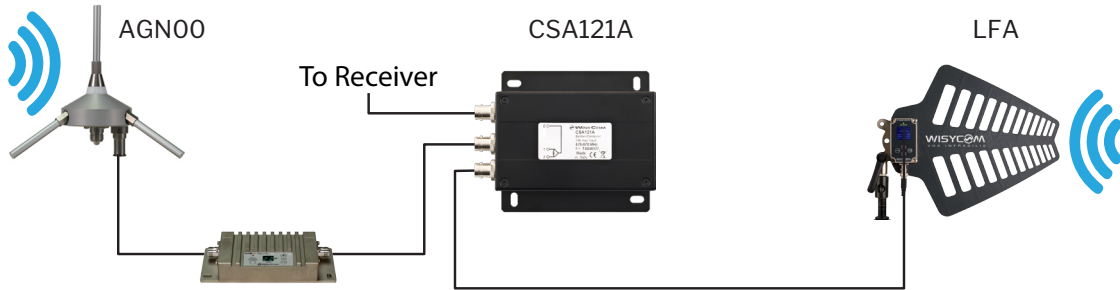
TECH SPECS

Frequency range:	470 - 870 MHz
Splitter/Combiner loss:	4dB
Max Input power:	125mW (CSA121A) 2W (CSA121B) 3W (CSA121T)
Connector:	3 BNC-F
Impedance:	50 Ω
Power supply:	230/110 Vac (CSA121A)
Max current thru port:	1.5A (CSA121A)
Material:	aluminum
Finishing:	black varnish
Mounting:	mounting plate holes (M5 screw type)
Dimensions:	20 x 100 x 125 mm (HxWxD)
Weight:	170 g (CSA121A), 220g (CSA121B), 235g (CSA121T)

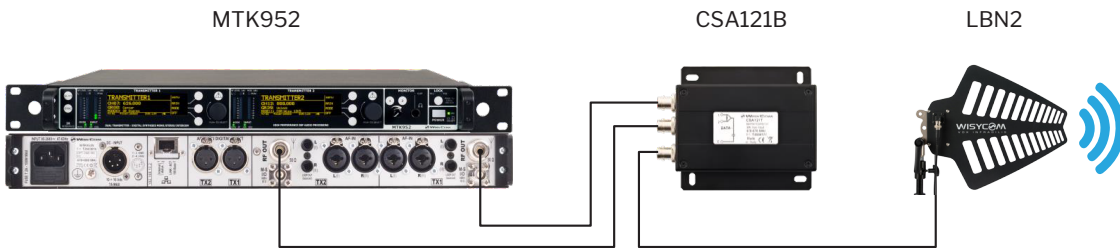
Subject to change without notice 

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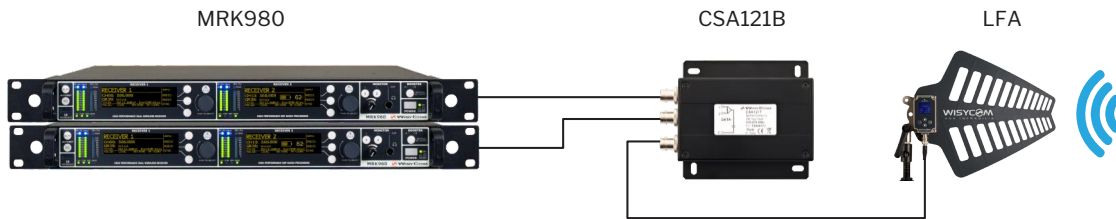
Example: CSA121A in combiner configuration with high-current boosters



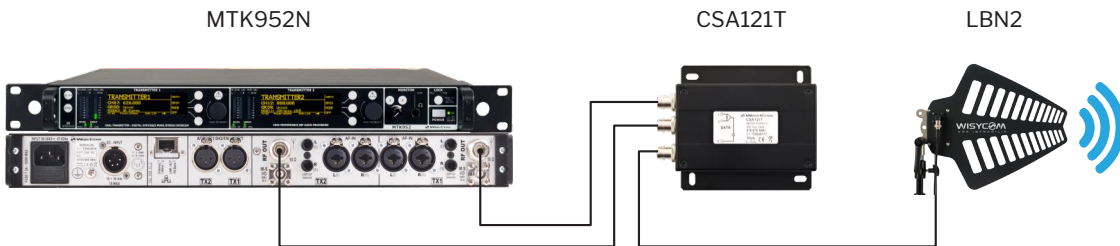
Example: CSA121B in combiner configuration with high power transmitters



Example: CSA121B in splitter configuration with DC pass through



Example: CSA121T in combiner configuration with high power transmitters



Connecting CSA121T, MTK952N automatically recovers the combiner loss increasing the output power of the transmitter.

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