

AOR® SPL-C1100

5~1100 MHz Wideband Antenna Splitter / Combiner

Built for serious wideband monitoring

The AOR SPL-C1100 is a premium 1-to-2 antenna splitter / combiner for demanding receiving applications. It allows one antenna to feed two receivers with minimal interaction, or two antennas to be combined into one receiver input. Designed for practical wideband use from 5 MHz to 1100 MHz, it is especially well suited to advanced communications receivers, wideband monitoring equipment, and PC-based SDR receivers.



Supplied accessory

50Ω BNC dummy load for unused-port termination. Helps maintain correct 50Ω impedance through the signal path for optimum performance.

Key specifications

Type	1-to-2 splitter / combiner
Frequency range	5 MHz to 1100 MHz
Isolation	20 dB typ.
Insertion loss	0.5 dB typ.
Impedance	50Ω
Connectors	BNC female x 3
Dimensions	69 x 64 x 21 mm
Weight	Approx. 70 g

Combiner mode note

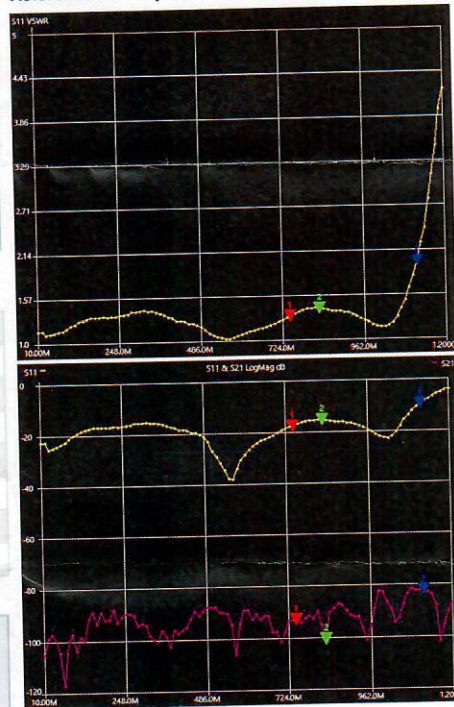
For best results in combiner mode, use antennas intended for different frequency ranges or applications, as combining two antennas with substantial band overlap may also increase received noise and unwanted signals.

RECEIVE ONLY! Not for transceivers.

Highlights

- One antenna to two receivers, or reverse combiner operation for two antennas to one receiver
- High isolation helps reduce interaction between connected receivers
- Very low insertion loss helps preserve weak-signal performance across a wide operating range
- A strong match for advanced wideband receivers, including PC-based SDR receivers

Reference development measurement



Wideband reference measurement showing VSWR and transmission characteristics. Markers shown at 747.8 MHz (SWR 1.3), 831.1 MHz (SWR 1.4), and 1116.7 MHz (SWR 1.9).

Graph shown as development sample reference data.