

SPL-2 Two-Way Splitter

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SPL-2 Two-Way Splitter

Introduction:

The SPL-2 splitter provides an impedance matched coaxial connection when feeding two receivers from one antenna.

The splitter consists of a simple network of two precision matching resistors designed to maintain a low impedance signal split. Proper impedance matching is necessary for optimum performance especially when running feeder cable over long distances within a building.

Installation:

Connect the SPL-2 between the antenna coupler output and two receivers. Use RCA connections and RG-59/U or equivalent coax jumpers for runs of up to 50 feet to each receiver. The SPL-2 may be used in a parallel arrangement with two additional splitters.



SPL-2 Specifications

SPL-2 Size	2.87"L x 2.38"W x 1.00"H
Bandwidth	500 kHz to 2 MHz
Input Impedance	50 ohm
Output Impedance	300 ohm
Output Signal Loss	-6 dB typical (full load)
Connectors	RCA type

Notes on Loop Input Receivers:

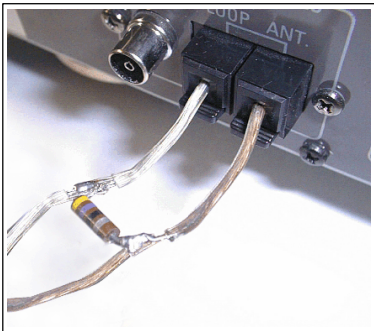
When using the M-601 with a receiver's loop antenna input, intermod and overload problems may occur. If the receiver does not have an alternate coaxial or long wire input, then a 22 ohm attenuation resistor should be added to the low impedance loop input of the receiver as shown in the illustration.

This modification may be added across the input terminals of the receiver or across the RCA terminals within the SPL-2 splitter box.

Notes on Jumper Cables:

The jumper cable supplied with the M-601 antenna should not be used with the SP-2 since it contains an impedance matching resistor which would be redundant to the 300 ohm splitter matching network.

Use coaxial jumpers in lengths up to fifty feet using RG-59/U or equivalent. The cumulative system loss is the total loss (in dB) of the jumper cable between M-601 coupler box and the SPL-2, the jumper between the receiver and the splitter, plus the -6 dB loss for the SPL-2 splitter itself.



22 ohm resistor across the loop antenna input of the receiver.

