The SPL-2/50L VLF-HF Two-Way Splitter/Combiner provides an impedance matched 50 ohm coaxial connection for two receivers when feeding signal from one active antenna, or when combining two different antennas (L-400B and H-800), or combining an active antenna and a wire antenna into one receiver.

The splitter consists of a low loss torroid matching network designed to maintain a low impedance signal split with high isolation between ports. Proper impedance matching is necessary for optimum performance especially when running feeder cable over long distances within a building.

**Specifications - SPL-2/50L**

- SPL-2 Size: 2.87"L x 2.38"W x 1.00H"  
- Bandwidth: < 10 kHz to 30 MHz  
- Input Impedance: 50 ohms  
- Output Impedance: 50 ohms  
- Insertion Loss: < 1 dB above 6 dB splitter loss  
- Port Isolation: > 40 dB typical  
- Shorted Port Loss: < 1 dB  
- Connections: RCA
**In splitter configuration**, two receivers may be fed from one antenna. Shown below are four antenna configurations typically used with the SPL-2/50L. Use coaxial extensions in lengths up to 100 feet using 50 ohm 1/4 inch coaxial cable.

The cumulative system loss is the total loss (in dB) of all feeder and extension cables, and the splitter loss for the SPL-2/50L itself.

**In combiner configuration**, two different antennas may be used to feed one broadband receiver. Shown below are two suggested antenna configurations that may be used with the SPL-2/50L.

The cumulative system loss is the total loss (in dB) of all feeder and extension cables, and the splitter loss for the SPL-2/50L itself.