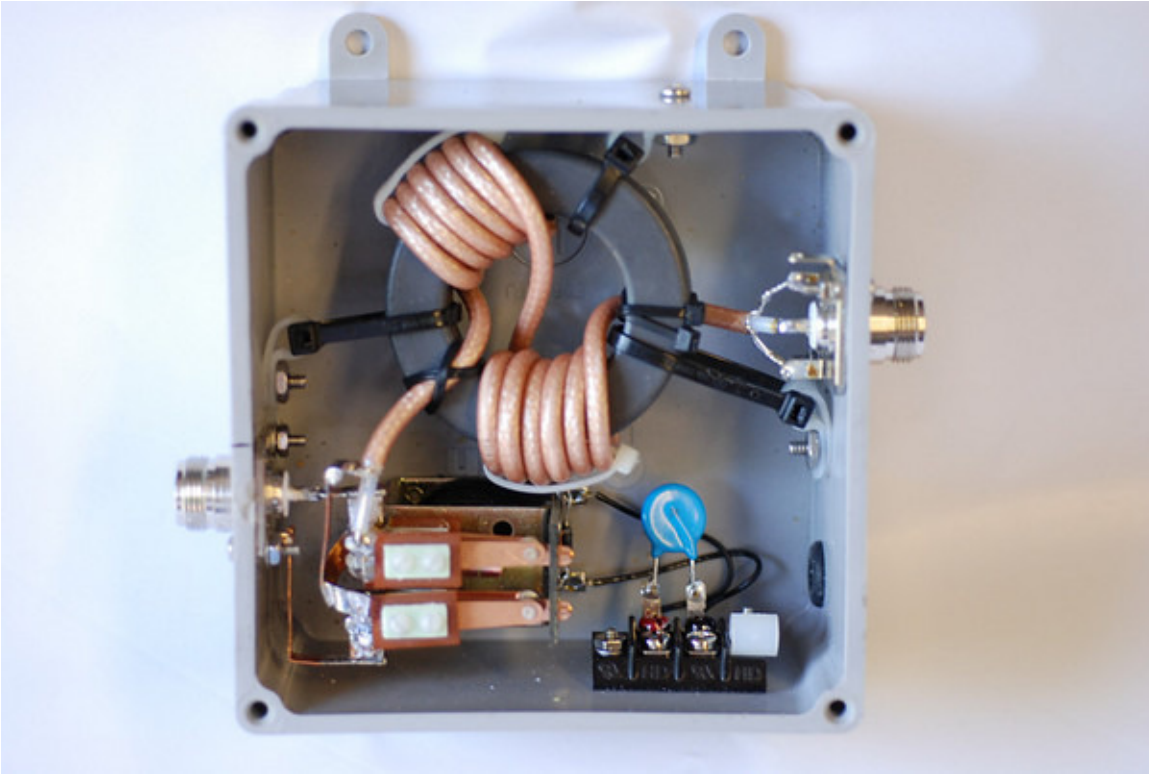


# Array Solutions Wideband 180 Deg Phase Shifter "Bip-Bop" User's Guide



You will need a small two-wire 12V DC line for power. A 13.8VDC 1/2 amp power supply should be ample. If you are using this phase shifter in conjunction with a StackMatch II, connect the positive terminal to the AUX position in the StackMatch II controller.

Either antenna connector can be the input or output.

Route the control cable through the rubber grommet hole in the relay box. Use a Ty-wrap™ as a strain relief. The relay box terminal strip is marked to indicate the connection to terminals. The relay is bypassed with MOVs, capacitors, and diodes for RF and lightning suppression.

Switching the array pattern is done with the control switch. With No DC power or off the controller will default to BIP or "Both In Phase". Apply 12v DC and the antennas are BOP (Out of Phase).



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