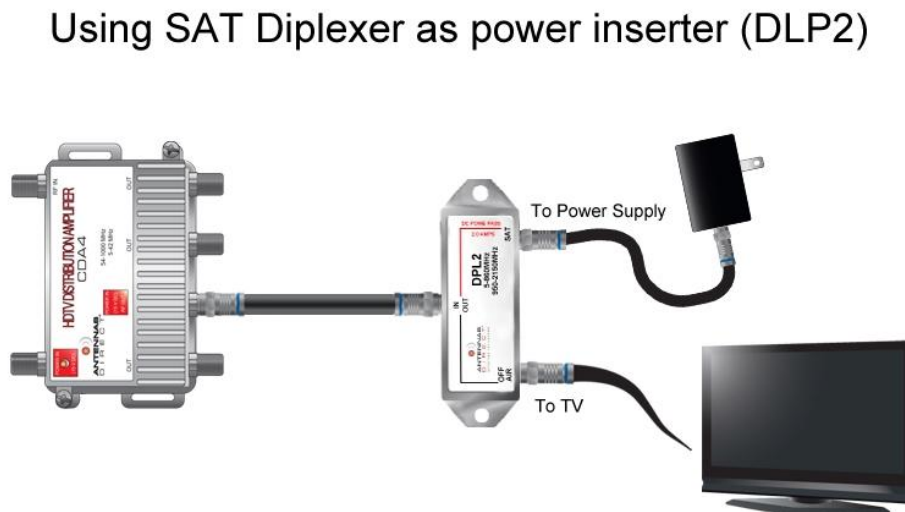


## Using Satellite Diplexer DPL2 as a Power Inserter for Remote Power Installations Applies to CDA4, CDA8, and Similar Competing Distribution Amplifiers

The CDA4 and CDA8 Distribution Amplifiers, as shipped, include a power supply and a 3' coaxial cable for powering the amplifier when it is near to a standard household power outlet. The instructions included with both products provide additional details regarding remote powering of the amplifier utilizing a "Power Inserter". Power inserters, as an individually purchasable product, are challenging to locate online and are non-existent in retail stores. However, a basic TV/Satellite diplexer such as the Antennas Direct DPL2 (or similar) works perfectly for this application.

Connection of the DPL2 is simple. Connect per diagram below:



### Questions:

Q. Can a splitter with a single DC pass-through port such as the SPT2, SPT3, or SPT4 be used?

A. Yes, but. There will be a corresponding attenuation of the amplifier's output signal equal to the splitter's insertion loss. Perhaps useful in a pinch, but the DPL2 will be a far better choice.

Q. Can an "all-port" DC pass-through splitter sold in retail stores labeled for TV/Cable/Satellite be used as a power inserter?

A. Yes, but. Most splitters of this type have internal "diode steering" of the DC power and the diodes are installed for use with older satellite hardware so that any receiver can power the circuitry at the dish. These splitters will indeed power the remote amplifier although with the same signal attenuation noted above. If a splitter is found that does not have the steering diodes, you'd need to install DC blocks on any other outputs to prevent damage to other receiving equipment.