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## Multicoupler set-up FAQs

**Read this before using your Multicoupler!**

**What are the DC power requirements?**

The Multicoupler can be powered from a 7 to 24V DC supply.

**What are the polarity of the DC connections?**

The centre pin of the DC connector is positive. The negative is connected to the case and the BNC RF shields. Reverse polarity protection is built into the Multicoupler.

**Does it need a separate power supply?**

We would recommend the use of a separate DC power supply for the Multicoupler to reduce the possibility of earth loops inducing RF interference into the RF input especially so if the outputs to the receivers go to remote rooms or buildings.

**Do the unused receiver ports need terminating?**

For the best gain flatness we recommend terminating unused ports with a 50 ohm load. 50 ohm ethernet BNC plugs are ideal for use with the Multicoupler.

**Does the Multicoupler need connecting to earth/ground for the surge protection to work?**

Yes, the earth/ground terminal on the Multicoupler should be securely bonded to earth or ground so that the energy diverted by the surge arrestor can safely be routed to earth or ground.

**How much power can the over-power protection take?**

The over-power protection will protect from accidental over-power up to 100 W for 5 seconds. If excessive power is applied for a long period of time it may destroy the protection components on that receiver port but even then it will not send excess power to the other ports.

**Where can I get help or advice from other Multicoupler users?**

Join the Cross Country Wireless Groups.io group: <https://groups.io/g/CrossCountryWireless>

**Partners: Mr C.J.Moulding, Mrs S.M.Moulding**