

**Powers Up
Ok ?**



But It Works ?

12v POWER SOURCE

For starlink DC power supply.

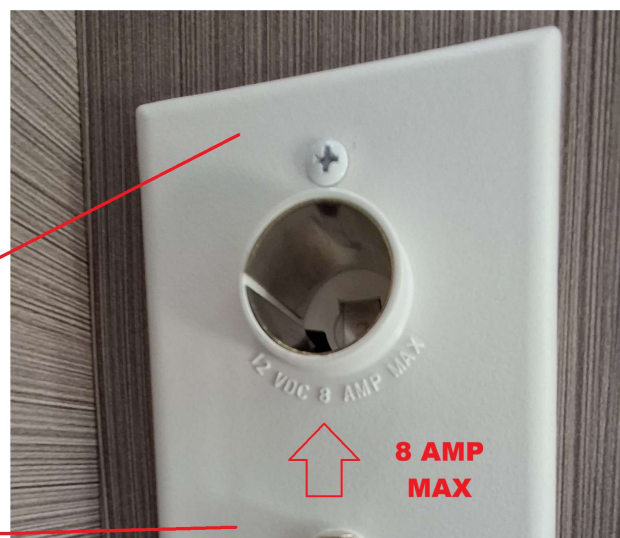
CAUTION

The starlink 12volt DC power supply requires up to 15 Amps on booting up before it settles down to around 4-6 amps whilst been used.

Therefore its important to note that some cars, caravans, motor-homes standard fitted 12v cigarette lighter sockets are only 8amps or 10 amps MAX (120watts = 10A)

Albeit the unit may still operate, it has been known that the socket and or the wires get extremely HOT and can melt the socket and or the plug so that it fails to operate and cause damage/fire.

Here is an example of some sockets that **may not be adequate enough** in case of melting. The appropriate FUSE in the vehicle should also align with the socket maximum AMPS, otherwise instead of the fuse blowing the wires or socket can overheat and possible fire/melt.





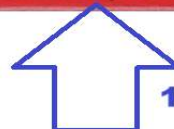
96 Watts max = NOT Suitable



Example - NOT Adequate

Socket Power Lead

Convenient 45cm lead
Includes Alligator battery clamps
Soldered connections to clamps
Rated to 12Amps at 12V



12 Amps !

Both Socket & wire must be adequate otherwise the wire can get hot and possibly melt causing damage.

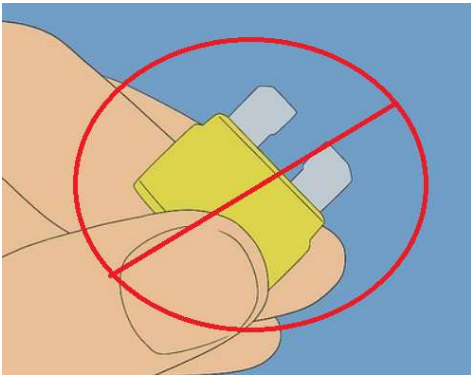


Wire MUST ALSO be able to handle up to 15 Amps+

Features

- Dustproof cover & stylish surface mount plastic housing.
- Moulded housing allows fitment to interior or exterior panels.
- Amperage rating 20A @ 12V.

FUSES.....



Do Not use a Higher AMP fuse if the socket / wire is not suitable, otherwise Fire/damage could happen.

Acceptable Sockets

EXAMPLE

Some sockets will state what the maximum is for that socket, an example of sockets that will be adequate for the starlink DC power supply is shown below.



Our 12v Cigarette Lighter Plug

provided for the Starlink DC
supply

We source a suitable 15A
12VDC with a 15A Fuse

Sourced from Altronics



The screenshot shows the Altronics website interface. At the top is the Altronics logo and a search bar. Below the logo is a navigation menu with categories: AUDIO VISUAL, PRO AUDIO, CABLING, CONNECTORS, POWER, TOOLS, and TECH & SECURITY. There are also links for 'What's New' and 'What's on Sale'. The breadcrumb trail indicates the product location: Home >> Connectors >> DC Power Connectors >> 12VDC Fused LED Male Line Car Accessory Plug. The product title '12VDC Fused LED Male Line Car Accessory Plug' is displayed in red. Below the title is a large image of the black cylindrical plug with a silver metal tip. Underneath the main image are two smaller images showing the plug from different angles. A tab labeled 'Overview' is visible, followed by the text: '15A rated 12VDC connector. Supplied with 10A replaceable mini blade fuse and power LED.'

WHY DID THE PLUG MELT ?

Please check your socket for any damage as well as the plug if you see any damage / melted plastic.

The plug is capable for handling up to 15 Amps at 12v DC. Therefore the cause would have to be the capabilities of the 12v socket.

The metal spring tip connects to the socket inside, if the socket is not capable or the tip is not secure and causes “ark” connection, this can cause the metal on both the socket and tip to get extremely hot and could melt and also lead to damage / fire.

Therefore this is why it is so important to make sure the socket is capable and in good condition.

If you feel the plug and its hot in one of the sockets, but not in a different socket, this might be a suggestion that socket causing to get hot is not suitable or in good condition.