



HUGHES CAR ADAPTER

The Hughes Car Adapter, part number 3500099-0003, is designed to power your Hughes portable terminal and to charge its internal battery from an appropriate DC voltage power source (see adapter label for acceptable DC voltage ranges). The adapter supplies current and voltage levels as required by the terminal.

The adapter provides safe power to your terminal by protecting it from spikes and power surges which may occur in a DC voltage electrical system.

Use only with Hughes terminal equipment. Protection Class III.



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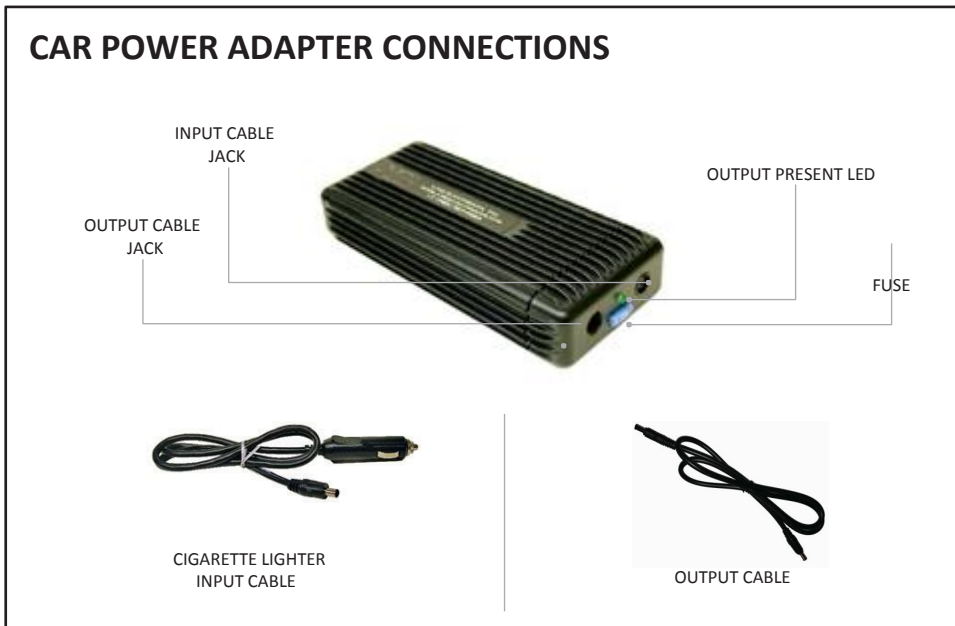
SPECIAL USE WARNING

Do not use this adapter with a lighter plug splitter or extender cable. These devices can cause the adapter cigarette lighter plug to become very hot. The plastic case of the splitter receptacle traps the heat in the plug and does not allow it to dissipate.

For assistance on the operation and maintenance of the adapter email Hughes technical support at MobileSatelliteSupport@hughes.com.

OPERATING INSTRUCTIONS

This Hughes adapter is supplied with an LED on the DC lighter plug to indicate that input power is present. The power brick also has an LED to show that output power is present.



TECHNICAL INFORMATION

Power Input	11-16VDC @ 15A (max)
Power Output	19VDC @ 3.6A
Input Fuse	Auto Mini - Noted on label (Replace with same fuse as in adapter)
Indicators	LED on lighter plug (Input power present) LED on adapter (Output power present)
Features	Output Short Circuit Protected Output Current Limit Internal Over-temperature Shut down Low Input Voltage Shut down High Input Voltage Shut down Automatic Reset of Safety Shut down

NOTE: This adapter utilizes components that may degrade if stored unused for several years. Apply power for several minutes yearly to avoid problems.

COMMON QUESTIONS FOR HUGHES CAR POWER ADAPTERS

What if the output LED on the adapter does not light when plugged in?

Some cars must have the engine running or have the ignition key to the ON position in order to have power occur at the lighter socket. It is also possible that one of the safety shut down circuits in the adapter has tripped. If so, allow the automatic reset to restore the output power for the adapter. Also check to see if the fuse on the adapter has blown.

Is it normal for the adapter to get warm during use?

Yes. Restricted air flow around the adapter may also cause the adapter to overheat and shut down. This is a safety feature and does not harm the adapter or your terminal. Do not place the adapter in a vehicle glove compartment or other restrictive area, or cover it with anything that prevents the heat from dissipating.

Does it matter whether the input cable or output cable gets plugged in first?

No, the order in which you plug in the cables to the adapter does not matter.

Can I plug the terminal into the adapter when it is running?

Yes, you may plug the terminal into the adapter when the terminal is running.

Can I start or stop the vehicle engine with the adapter plugged in?

You can start or stop the vehicle engine with the adapter plugged in; however, do not jump start the vehicle with the adapter plugged in. Many jump start systems use high voltages that will normally shut down the adapter output but extreme voltage spikes may damage the adapter circuitry. Also, starting the vehicle may turn the adapter off. After a ten second delay, the adapter will turn back on.

Can my Hughes adapter be used with a multi-output cigarette plug splitter?

No, do not use this Hughes adapter with multi-output cigarette plug splitters. These devices can cause the cigarette lighter plug on the adapter to become very hot. The plastic cases of multi-output cigarette plug splitters can trap the heat and not allow it to dissipate.

How often should I apply power to the adapter to keep its components from degrading?

The adapter must be powered for several minutes once a year to avoid the components from degrading.

Replacement fuses can be obtained from auto parts stores.