

Hughes 4510 Quick Start Guide

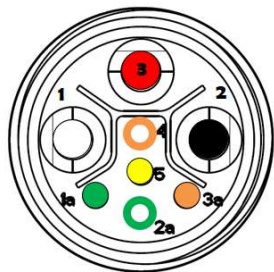
The intent of this guide is to acquaint the user with the Hughes 4510 terminal and power it up.

1. Unpack the box. Without tearing the plastic over the 4510, lift it out of the box, unfold the flaps, and slide it out of the sleeve. Save the box and packing material should you need to ship the 4510 at a later time.
2. Satellite and Cellular SIMs
 - a) Remove the SIM door
 - b) Insert the satellite SIM card supplied by your service provider in the SAT SIM slot
 - c) Most users will be using the integrated eSIM, so no further action**Note:** If using a third-party cellular service, the insertable cellular SIM should be used
 - Insert the cellular SIM card supplied by your service provider in the CELL SIM holder provided
 - Insert the CELL SIM holder into the CELL SIM slot. These slots can be seen in the graphic below

Hughes Terminal
SIM slots



3. Connect a Hughes cable (3501314-000x) from the barrel connector to power and Ethernet using the cable pinout table below.

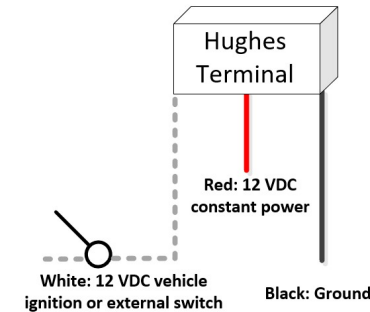


Hughes Terminal
Connector

Pin	Wire Color	Function
1	White	Remote Switch/Ignition
2	Black	Ground
3	Red	Power +12VDC
1a	Green	Ethernet RX-
2a	White/Green	Ethernet RX+
3a	Orange	Ethernet TX-
4	White/Orange	Ethernet TX+
5	Yellow	GPIO (for future use)

3. Ensure that the red wire is connected to always-on 12VDC and that the white wire is connected to switched power (e.g., vehicle ignition) to power the 4510 on and off automatically, there is no power button on the terminal.

Note: The power supply must be rated for a maximum peak current of 3.5 A at 12V.



5. After powering up the 4510 will attempt to establish a Cellular connection with the integrated Echostar Mobile eSIM. The LED states are provided in the table below.

State	LED
Powering up	Solid GREEN
Network acquisition	GREEN flashing
Registered and IP context active	Solid GREEN
Hardware fault	Solid RED

6. Connect the 4510 to your computer via Ethernet or the USB port under the SIM door. Open a web browser and enter the address 192.168.128.100 (Ethernet) or 169.254.1.1 (USB) to access the home page of the UT Web User Interface.
7. The many configuration options are documented in the 4510 User Guide which can be downloaded from <http://echostarmobile.com>.