Hilitand Hilitanddpw2f8n0cz

Hilitand DC 12V 5.5mm x 2.1mm Car Cigarette Lighter Power Cable User Manual

1. Introduction and Overview

This Hilitand DC 12V 5.5mm x 2.1mm Cigarette Lighter Cable is designed for powering 12V automotive electronic products. It features a durable 18AWG pure copper wire core and a 3-meter length for versatile use within your vehicle. The cigarette lighter plug includes an integrated fuse for overcurrent protection and an LED indicator to confirm power supply.

This cable is suitable for various applications, including car machinery, waxers, inflatable pumps, vacuum cleaners, car refrigerators, and other 12V high-power electrical appliances that utilize a 5.5mm x 2.1mm DC input.



Image 1.1: Overview of the Hilitand DC 12V 5.5mm x 2.1mm Car Cigarette Lighter Power Cable, showing both the cigarette lighter plug and the DC plug with the coiled cable.

2. Setup Instructions

Follow these steps to properly set up your Hilitand power cable:

1. **Verify Device Compatibility:** Ensure your electronic device requires a DC 12V power input and has a compatible 5.5mm x 2.1mm DC power jack. Refer to your device's manual for specific power requirements.
2. **Insert Cigarette Lighter Plug:** Firmly insert the cigarette lighter plug end of the cable into your vehicle's 12V cigarette lighter socket. Ensure a secure connection.
3. **Connect DC Plug:** Connect the 5.5mm x 2.1mm DC plug end of the cable to the power input port of your compatible automotive electronic device.
4. **Confirm Power:** Observe the LED indicator on the cigarette lighter plug. If it illuminates, power is being supplied to the cable.

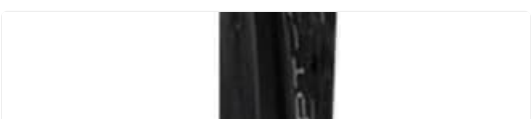



Image 2.1: Close-up view of the cigarette lighter plug, highlighting the red LED indicator which confirms power is active.



Image 2.2: Detailed view of the 5.5mm x 2.1mm DC plug, showing its dimensions and construction.

3. Operating Instructions

Once properly connected, the Hilitand DC 12V power cable will provide a stable 12V DC power supply to your electronic device. The integrated fuse offers protection against overcurrent situations, safeguarding both the cable and your connected device. The illuminated LED light on the cigarette lighter plug serves as a visual confirmation of power flow. The generous 3-meter cable length allows for flexible positioning of your device within the vehicle, enhancing convenience and usability.

Important: Always ensure that the total current draw of your connected device does not exceed the cable's maximum rated current of 10A. Exceeding this limit can lead to overheating, damage to the cable or device, and potential safety hazards.

4. Maintenance

Proper maintenance ensures the longevity and reliable performance of your power cable:

- **Cleaning:** Keep the cable and its connectors clean and free from dust, dirt, and moisture. Use a dry, soft cloth for cleaning.
- **Storage:** When not in use, store the cable in a dry place, away from direct sunlight, extreme temperatures, and corrosive substances. Avoid tightly coiling or kinking the cable sharply, as this can damage the internal wiring.
- **Inspection:** Periodically inspect the entire cable, including both plugs, for any signs of wear, cuts, fraying, or damage. If any damage is observed, discontinue use immediately to prevent electrical hazards.

5. Troubleshooting

If you encounter issues with your Hilitand power cable, refer to the following troubleshooting guide:

- **No Power / LED Not Lit:**
  - **Check Vehicle Socket:** Ensure the cigarette lighter socket in your vehicle is functioning correctly. Test it with another known working device.
  - **Inspect Fuse:** The cigarette lighter plug contains an internal fuse. If the LED is not lit, the fuse may be blown. Carefully unscrew the tip of the cigarette lighter plug to access and inspect the fuse. Replace it with a fuse of the same rating (10A).
  - **Secure Connection:** Verify that both the cigarette lighter plug and the DC plug are fully and securely inserted into their respective sockets.
- **Device Not Working:**
  - **Power Requirements:** Double-check that your device's power requirements (DC 12V, 5.5mm x 2.1mm plug, max 10A current) are compatible with this cable.
  - **Device Troubleshooting:** Refer to your device's own user manual for specific troubleshooting steps related to its power input.
- **Cable or Plugs Overheating:**
  - **Disconnect Immediately:** If you notice any part of the cable or plugs becoming excessively hot, disconnect it from both the vehicle and the device immediately.
  - **Check Current Draw:** Overheating is often caused by connecting a device that draws more than 10A of current. Ensure your device's current draw does not exceed the cable's maximum rating.

6. Specifications

Brand	Hilitand
Model Number	Hilitanddpw2f8n0cz
Color	Black
DC Plug Specification	5.5mm Outer Diameter (OD), 2.1mm Inner Diameter (ID)
Cable Length	3 meters (approximately 9.8 feet)
Wire Gauge	18AWG Pure Copper Wire

Current Output	10 Amperes (Max)
Voltage	12 Volts DC
Features	Integrated Fuse, LED Indicator, Overload Protection, Insulation, Fire Resistance
Connector Type	Cigarette Lighter Male to DC Male
Number of Pins	2



Image 6.1: The cable length is 3 meters, providing ample reach for various applications.

7. Warranty and Support

For product support, technical assistance, or any inquiries regarding your Hilitand DC 12V 5.5mm x 2.1mm Car Cigarette Lighter Power Cable, please contact Hilitand customer service through your original purchase platform or the official Hilitand website.

Please refer to your original purchase documentation or the product listing for any specific warranty details or return policies that may apply to your product.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question