USB-HSD

QUICK START INSTALLATION GUIDE FOR HIGH SPEED DATA USB CHARGING PORT

Created: January 16, 2016
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Requirements:
MERCEDES WITH HIGH SPEED DATA USB PORT

Introduction

"The USB ports in your car seem like a convenient feature, but often don't provide enough power to charge your device while using it. Instead, they often only slow the speed at which your battery drains — your phone will use power faster than the car USB port can supply it,"

The USB port in most cars is designed to read multimedia files from USB data storage devices (e.g., Flash Drives etc.) and charging, but if streaming music, using Nav apps, or making phone calls while charging, the phone battery slowly dies. An effective phone charger is supposed to maintain a charge especially while in use. The USB-HSD supports "Fast charging" and delivers up to 24W and is optimally tuned depending on connected device. You always have the most optimal charging current for a **fast and safe charging process because the output adapts exactly to smartphone battery demands making the charging process particularly efficient.** Uses existing USB port and installs at ear of center console (Mercedes) or to HDS elsewhere. **After installation, the USB port can no longer be used to play Flash Drives etc. Use multimedia port for music playback.**

Installation

This install was performed in 2014 Mercedes C350 coupe and can be used guide for other vehicles with High-Speed Data USB terminal.
The C350 USB High Speed Data terminals is located at the rear of center armrest and installation requires removing air vents and cigar lighter panel at rear of center armrest.

1. Open center glovebox (armrest)
2. With your fingers or pry tool, pull upwards to release air vents — set aside. These are a tight fit and may require some force. **See Fig. 1**

Fig. 1

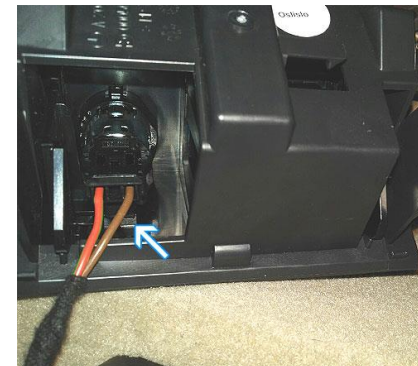3. Next, pull-out ashtray bezel to reveal cigar lighter wiring. See **Fig. 2**

Fig. 2

4. Tap ground (brown) and Red/Green (12V) with included yellow self-stripping connectors. See **Fig.3**

Fig. 3

5. Insert both Yellow (12V) and Black (Ground) spades to self-stripping connectors installed in step 4. See **Fig. 4**

Fig. 4

6. Locate and disconnect factory USB High Speed Data cables (white). Male plug is USB side, and foam-covered female is module side. Press release tab to disconnect.
See **Fig. 5**

Fig. 5

7. Connect adapter BLACK High-Speed Data plug (See **Fig. 6**) to car USB High Speed Data connector (See **Fig. 5**) as7 seen in **Fig. 7**

Fig. 6

Fig. 7

Note: Female connector "To Module" (See **Fig. 5**) remains disconnected. If equipped, use Mercedes Multimedia interface connector for music playback.

Operation

1. Turn ignition key to "ON".
2. Connect device charging cable to USB terminal in center armrest
3. Device should begin charging
4. If device does not charge, recheck wiring.
   If successful go ahead and reinstall cigar lighter panel and air vents.

Frequent ask questions

1. **My Mercedes has a USB port in glovebox. Will I be able to upgrade?**
   YES; but only with High-Speed Data connectors (See **Fig. 5**). Please check prior to ordering. **Please also note, power will need to be obtained from alternate 12V supply location.**
2. **Will this charger damage my device?**
   NO; the USB-HSD is a fast and safe charger because the output adapts exactly to smartphone battery demands making the charging process particularly efficient. Some devices use a higher current for initial charge and limit the amount of current required one device has reached a predetermined charge level
3. **Will I be able to connect and play thumb drives once USB port has been converted?**
   NO; once converted, Mercedes USB port in glovebox will no longer play or synch to multimedia system. Charging only.
4. **Is the USB-HSD compatible with all Mercedes?**
   NO; works only in Mercedes High Speed Data USB ports.