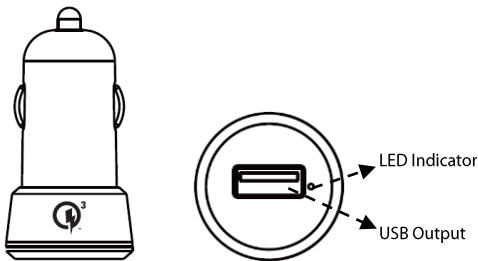


3A Qualcomm[®] Quick Charge 3.0[™] USB Car Charger

User Manual

MP-3680

Connection Diagram:



Operation:

1. Before use, check your USB device's input voltage and this USB car charger's output voltage to make sure the voltage matches. Make sure the total current does not exceed the rated output current of this USB charger.
2. Connect your USB device and the USB port of this charger with a suitable charging cable according to the type of device.
(To ensure complete safety and best performance, we strongly recommend using the original charging cable of your device)
3. Plug the cigarette lighter plug into the 12-24V car cigarette lighter socket and the LED power indicator will turn on.
4. This intelligent USB car charger will detect the best charging mode and start charging your device automatically.
5. Your USB device should indicate it is now in charging mode.
6. Please unplug this charger from car cigarette lighter socket when not in use.

Qualcomm[®] Quick Charge[™] 3.0 Technology

Qualcomm[®] Quick Charge[™] 3.0 is the next-generation fast-charging technology for devices powered by Qualcomm[®] Snapdragon[™] processors.

- ◆ Delivers power up to **4X faster** than conventional charging, up to 2X faster than Quick Charge 1.0
- ◆ Works up to 38% more efficiently than Quick Charge 2.0.

◆ Offers full backwards compatibility with Quick Charge 1.0 and 2.0, works with most USB chargers

In laboratory tests using a 2750mAh battery*, a Quick Charge[™] 3.0 enabled device went from 0% to 80% charge in 35 minutes, while a device without Quick Charge 3.0 using a conventional (5 volt, 1 amp) charger achieved just a 12% gain in the same 30 minutes.

*Based on internal tests charging a 2750mAh fast charge battery (1.5C charge rate) and using the maximum power for a thermal limit of 40C for all charging implementations. Charge time based on 0% to 50% (August 2015). Charge time and efficiency may vary depending on manufacturer implementation and specifications.

Please Note: A device requires a Qualcomm Snapdragon™ processor inside in order to charge using this fast charging technology, otherwise it will only charge up to 2.4A on 5VDC

*** Qualcomm does not support Apple® devices. The USB charger has built-in auto detection IC which enhances the fast charging for Apple devices as the original adaptor up to 2.4A on 5VDC.**

Qualcomm® Quick Charge™ 3.0 Compatible Devices:

Please see the link below to determine if your device is compatible with Quick Charge™ 3.0 technology:

www.qualcomm.com/products/snapdragon/quick-charge

Safety Instructions:

1. Do not short circuit the output terminals.
2. Ensure correct voltage is used as continuous excessive voltage could damage your equipment.
3. Do not try to use this power supply with appliance requiring more than 3000mA.
4. Do not attempt to open this unit.
5. Remove from car cigarette lighter socket when not in use.
6. Always turn off your digital device before you connect/disconnect from the USB charger.
7. Please do start the car engine first then plug in the USB charger.

Specifications:

Voltage Input: 12-24VDC (Supports 10-30VDC)

Voltage Output: 3.6-12VDC

Current Output: 3.6-6.5V @ 3A

6.5-9V @ 2A

9-12V @ 1.5A

Protection: Short Circuit, Overload

Dimensions: 51(L) x 28(Dia) mm

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