



# USBC-DM

## QUICK START INSTALLATION GUIDE FOR SMART CHARGING PORT

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## Introduction

Your vehicle may already have a charging port, but unfortunately many are anemic when it comes to charging power (5W). This compact "Smart charger" is optimally tuned depending on the connected device. You always have the most optimal charging current for a fast and safe charging process because the output adapts exactly to the demand of the device battery making the charging process particularly efficient. Supports BC1.2, QC2.0, QC3.0, PE1.1, PE2.0, FCP, SFCP fast charge protocols (Apple, Samsung, Huawei\* etc.) Custom install in a convenient location and discover how this USB Type-C charger is a massive improvement over the cars built-in charging ports or anemic aftermarket charging port.

## Installation

Requires only a 2-wire connection. Remove radio or access panel to car wiring.

### To operate only when car is running:

Tap RED wire to vehicle 12V ACC supply

### To operate at all times:

Tap RED wire to vehicle 12V Battery supply

Connect BLACK wire to vehicle ground or to radio chassis.

1. USB-C Flush mounting options:
  - A. **Flush - requires drilling a 13/16" hole**
  - B. With **Support bracket** (mount USB-C terminal wherever convenient without drilling)
  - C. **No Mount**-free standing

***Noteworthy:** It may be possible to remove cigar lighter and install USB-C head in its place (requires a 20.6mm (13/16) hole).*

## A. Flush with Dash or Panel (requires drilling)

1. Drill a 13/16" hole to dash or panel using a step drill bit or equivalent (See Fig. 1)



**Fig. 1**  
Step drill bit

2. Insert USB-C male terminal through 13/16 hole created in step 1 and mate to charging module (See Fig. 2)



**Fig. 2**  
module on right

3. Snap USB Type-C header to mounting surface (See Fig. 3)



**Fig. 3**  
Flush mounted to panel

## B. With support bracket (No drilling)

1. Locate a flat surface at location of choice that within 3 ft. of radio to mount support bracket using supplied screws. (See **Fig. 4**)



**Fig. 4**  
mounting bracket

2. Follow steps 2-3 from “Flush mount to dash”
3. Tuck and secure any extra wire from moving parts and test operation

## C. Free standing (Un-Mounted)

Connect your own USB Type-C charging cable to USB-C header and route other end from behind the dash to location of choice.

## Operation

1. Turn Ignition “ON” (if RED wire was connected to vehicle ACC supply), otherwise proceed to next step.
2. Connect your USB Type-C charging cable to header
3. Device should begin charging
  1. If device does not charge, recheck wiring.If successful go ahead and reinstall radio and or access panels

Special note regarding Apple devices:

iPhone will delay charging past 80% in certain situations

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