



USB-FRD04

Quick Start Installation Guide For Select 2004-10 Ford

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Introduction:

Many Ford owners with multiple Apple devices will be pleased to know that from a single USB terminal on or near the dash, they can connect, play and charge all Apple Lightning devices without sacrificing the look and feel of the dashboard components. The USB-FRD04 works **on the Radios AUX port which means Satellite Radio or Rear Seat Entertainment options will have to be disconnected**, but with the storage capacity of most portable devices sacrificing these options should be an easy decision.

Installation:

1. Remove Radio from dashboard to gain access to the connectors. (Vehicle specific radio removal instructions are not part of this guide, but are available upon request)
2. Once radio has been removed, disconnect factory 16-pin plug (See **Fig. 3**) from radio (See **Fig. 1**)

Note: 16-pin Radio connector may be empty, if so proceed to step 4.



Fig. 1

Ford Radio connectors

3. Connect factory 16-pin plug removed in step 2 to the 16-pin connector on adapter harness (See **Fig. 2**).



Fig. 2

16-pin connector on harness

4. Connect 16-pin plug on Adapter harness (See **Fig. 3**) to 16-way connector on Radio vacated in step 2

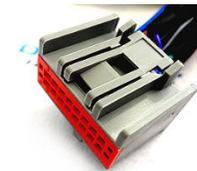


Fig. 3

16-pin plug on harness

5. Tap Purple/black wire from adapter to White/red* (PIN 1/BAT) on factory 24-pin plug (See **Fig. 4**) or anywhere 12V battery supply is available.



- Tap Green/Black wire to BLACK/VIOLET (PIN 13/Ground) of factory 24-pin plug (See **Fig. 4**)

***Note:** Wire color may vary, however pin location remain standard

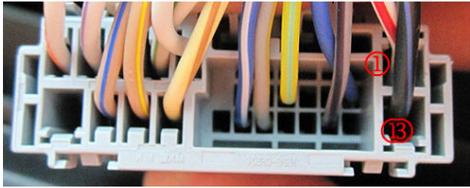


Fig. 4

Ford 24-pin Power/Speaker Plug

- Decide where and how to mount the USB terminal.
 - Flush requires drilling a 3/4" hole
 - Flush with USB mounting bracket **without drilling** (use this option to mount the USB terminal wherever your installation demands)
 - Un-mounted** (free standing usb terminal)

A. Flush Mounting to Dash

- Drill a 3/4" hole in the dash using a step drill bit or equivalent (See Fig. 9)



Fig. 9

Step drill bit

- Insert the male end of the 4ft. USB extension cable (See Fig. 10) through the 3/4" hole created in step 1 and mate with Female USB terminal from Adapter (See Fig. 11)



Fig. 10

dash mount USB cable



Fig. 11

USB Male (left), Female (Right)

- Push USB head (See **Fig. 12**) until it snaps in place and flush with mounting surface (See **Fig. 13**)



Fig. 12

USB Terminal



Fig. 13

Flush mounted USB terminal

4. Tuck and secure any extra wire from moving parts and proceed to test operation (See below)

B. Mounting Bracket (no drilling)

1. Locate a flat surface at location of choice that is within 7 ft. of radio to mount the USB support bracket using adhesive/tape or screws. (See **Fig. 14**)



Fig. 14

mounting bracket



C. Free Standing (no mount)

The adapters USB (See **Fig.18**) terminal can be used without mounting. Simply route to location of choice within 4 ft. of radio and connect your Apple Lightning cable.



Fig. 18

Un-mounted USB Terminal

2. Follow steps 1-3 from “Flush mount to dash”

Test Operation:

1. Connect Apple device to USB Terminal using respective charging cable
2. Apple device will begin charging
3. Press **AUX** button on Radio to enter AUX Mode.

If radio does not enter AUX mode, go to troubleshooting section below.



4. Select your favorite track using the devices built-in controls.

Warning! *Playlist and Track selection is *NOT* possible from the radio. You must use the iPod built-in controls to access music files.*

5. Use the radio volume control to set playback level
6. If successful go ahead and Reinstall Radio

Alert! *Apple authentic Lightning cable is required for proper operation. Knock-off Lightning cables will charge but may not play music.*

Troubleshooting

Follow these steps if Radio does not recognize the adapter

1. Turn Radio “OFF” and remove ignition Key
2. Disconnect factory 16-pin plug from adapter harness
3. Turn ignition and Radio “ON”
4. Press ‘AUX’ button to verify if Adapter is recognized
5. Reconnect factory 16-way plug to adapter harness while the radio is in “AUX” mode
6. Leave radio on for at least one minute

Frequent asked questions

1. **Does it work with Ford Navigation radio**
NO; this adapter does not work with Ford navigation radios
2. **Does it work with FORD Sync**
NO; this adapter does not work with Ford Sync
3. **Does it work with Ford Satellite Radio or Rear Seat DVD**
NO; this adapter works on the same port as these factory options so you must disconnect them for this adapter to work.
4. **I connected my iPod via the charging cable and it does charge but does not play, is this normal?**
This adapter will not play non-lightning devices. Use only with Apple Lightning devices.
5. **Can I control tracks or see track names on radio display?**
No, this adapter does not display track name and controls must be performed on audio device. Use radio volume control to set playback level.

Disclaimer

- This product has no affiliation with Ford or Apple
- There are no warranties expressed or implied by purchase of this product
- We're not liable for misuse of this product.
- We recommend professional installation

For help email support@discountcarstereo.com

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