



# USB-FD4

## Apple iPhone, iPod & iPad USB Adapter Installation Guide for Select 2004-10 FORD

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## Introduction:

Many Ford owners with multiple Apple devices are pleased to know that from a single USB terminal on or near the dash, they can connect, play and charge all Apple devices and the Galaxy S4 without sacrificing the look and feel of the dashboard components. The USB-FD4 works **on the AUX port of select 2004-10 Ford Radios which means that 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:

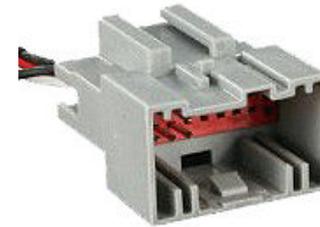
1. Remove the Ford Radio from dashboard to gain access to the connectors. (Vehicle specific radio removal instructions are not part of this guide, but available upon request)
2. Once radio has been removed, disconnect vehicles 16-way plug from Radio (See **Fig. 1**)

*Note: The 16-way Radio connector may be empty and if so proceed to step 4.*



**Fig. 1**  
Ford Radio connectors

3. Connect vehicles 16-way plug removed from radio to the 16-way connector on adapter harness (See **Fig. 2**).



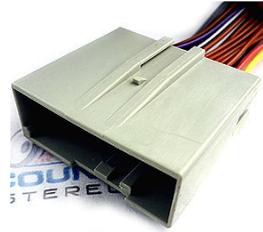
**Fig. 2**  
16-way connector on harness

4. Connect the 16-way plug on Adapter harness (See **Fig. 3**) to the 16-way connector on the Radio



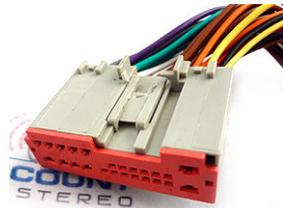
**Fig. 3**  
16-way plug on harness

5. Disconnect vehicles 24-way plug from Radio (See **Fig. 1**) and connect to the 24-way connector on harness (See **Fig. 4**)



**Fig. 4**  
24-way connector on harness

6. Connect the 24-way plug from harness (See **Fig. 5**) to the 24-way connector on Radio.



**Fig. 5**  
24-way plug on adapter harness

7. Connect the 10-way Molex plug on adapter to the 10-way connector on Main Module (See **Fig. 6 & 7**).



**Fig. 6**



**Fig. 7**

8. Connect the L&R Audio jacks from the adapter to input jacks on Main Module (See **Fig. 7 & 8**)



**Fig. 7**



**Fig. 8**

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

#### A. Flush Mounting the USB Terminal to the Dash

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



**Fig. 9**  
Step drill bit

2. Insert the male end of the short USB extension cable (See **Fig. 10**) through the  $\frac{3}{4}$ " hole created in step 1 and mate with the Female USB terminal from Converter (See **Fig. 11**)



**Fig. 10**  
dash mount USB cable



**Fig. 11**  
USB Male (left), Female (Right)

3. Push the USB terminal ( 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. Installing Mounting Bracket **without drilling**

1. Locate a flat surface at the location of choice that is within 6 ft. of radio to mount the USB support bracket using adhesive/tape or screws. (See **Fig. 14**)



**Fig. 14**  
Optional mounting bracket

2. Insert the male end of the 6ft USB cable through the hole in bracket (See **Fig. 15**) and mate with Female USB terminal from Converter (See **Fig. 16**)



**Fig. 15**



**Fig. 16**  
USB Male (left) USB Female (right)

3. Push the USB terminal through the hole in the mounting bracket until it snaps in place and flush (See **Fig 17**)



**Fig. 17**

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

### C. Un-Mounted USB Option

The converter comes with a USB terminal that can be used without mounting it to the dash. Simply route its USB terminal from behind the dash to location of choice within 6 ft. of radio and connect the Apple or Samsung\*\* charging cable for your device.



**Fig. 13**  
Un-mounted USB Terminal

## Test Operation:

1. Connect the audio device (iPod, iPhone, iPad or Galaxy S4) to the USB Terminal using their respective charging cables
2. The audio device will begin charging
3. Press the **AUX** button on Ford 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 and adjust the “input sensitivity” potentiometer on the adapter (between L&R RCA inputs **See Fig. 7**)
6. If successful go ahead and Reinstall the Radio

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

## Troubleshooting

Follow these steps if Ford Radio does not recognize the adapter

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

## Frequently asked questions

**1. Does it work with the 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. Why my Lenovo Miix 2 tablet will charge but not play**

**this adapter supports charging and playback of all Apple audio devices and Samsung Galaxy S4.** Devices such as the Lenovo Miix 2 and others do not play music on the USB port and is the reason it won't play on through this adapter

***Disclaimer***

- This product has no affiliation with Ford, Samsung 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

**\*\*Samsung Galaxy S4 must have Android Open Accessory included in Android 3.1 in order to play music through the USB port. No other Samsung phone is known to play audio from USB port which means this adapter can only be used to charge those devices.**

**Call 804-717-5717 or email [support@discountcarstereo.com](mailto:support@discountcarstereo.com)**

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