Ford

Bluetooth 4.2

FORD SATELLITE RADIO TUNER MODULE

BTA-FRD04

QUICK START INSTALLATION GUIDE FOR SELECT 2004-13 FORD WITH SATELLITE RADIO TUNER AND/OR RSE

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PRODUCT SAFETY & DISCLAIMER
READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING, FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY

- This installation guide is provided as a GENERAL installation guide, some vehicles vary and may require additional steps. We do not accept responsibility for third party labor charges or modifications. Exercise due-diligence when installing this product.
- We do not accept any responsibility for vehicle damage or personal injury resulting from the installation of this product.
- Take the time to read through this installation guide. Familiarity with installation and operation procedures will help you obtain the best performance from your new aux adapter.

Careless installation and operation can result in equipment damage

Requirements:
FORD FACTORY SATELLITE RADIO TUNER AND/OR RSE (DVD)

Introduction

Ford CAN-BUS radio owners with factory Satellite radio tuner and/or Rear Seat Entertainment (RSE) factory options will be pleased to know that they no longer have to disconnect these options in order to connect an audio device. The BTA-FRD4 retains the factory remote player option (Satellite radio and/or RSE**) to allow users to stream application from Smart devices on the car system without sacrificing the factory option. When in the mood for Satellite radio (if subscribed) or RSE; simply press the "PLAY/PAUSE" button on the remote controls and operate factory option as customary. It's that simple--- no complicated setup or wiring. If Satellite radio subscription has expired (no plan to renew in the future), and vehicle does not have RSE; an aux input jack is provided to which users may connect and play any portable audio device designed to be used with headphones including MP3 players, satellite radio kits, car play etc.
The BTA-FRD04 provides an easy, inexpensive and flexible method of streaming important applications while on the road without compromising the factory option. If a wired solution is preferred, see our AUX-FRD04 instead.
For more see Frequent Asked question at the end of this guide.

Installation

Remove radio from dashboard to gain access to the connectors. (Vehicle specific radio removal instructions are not part of this guide, but available upon request)

1. Once radio has been removed; disconnect factory 16-pin plug (See **Fig. 1**) from radio 16-pin connector (See **Fig. 2**)
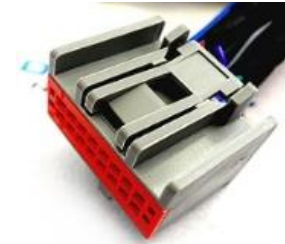

Fig. 1

Alert: If radio 16-pin connector is empty; your vehicle does not have the required factory option and there is no need to proceed with the install.

2. Connect factory 16-pin plug (from step 1) to 16-pin connector on installation harness (See **Fig. 3**).

Fig. 2

3. Connect installation harness 16-pin plug (See **Fig. 3**) to the 16-pin slot on radio vacated in step 1 (See **Fig. 2**)
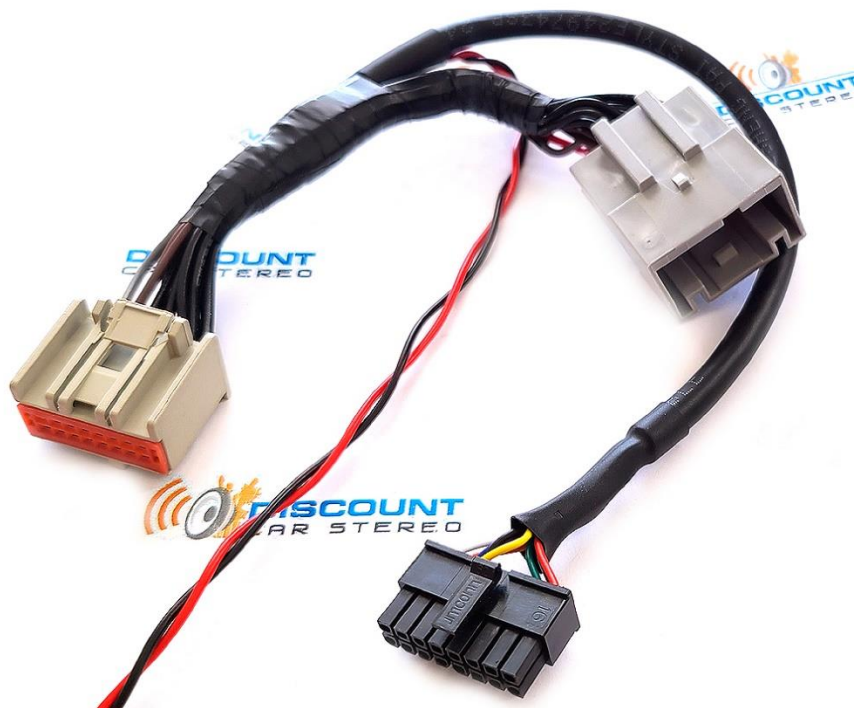
Fig. 3

4. Tap/splice/solder installation harness RED wire to Purple/black* (PIN 2) on factory 24-pin plug (See **Fig. 4**) or any switched 12V supply.
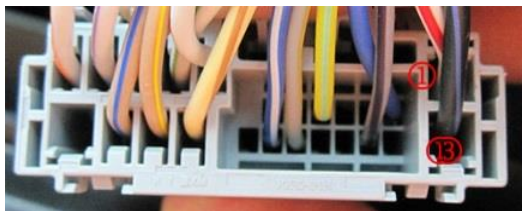

Fig. 4

Ford 24-pin Power/Speaker plug

*Note: Ford OEM wire colors may vary, however pin location for Accessory power (pin 2) and Ground (pin 13) remains the same.

5. Tap/splice/solder installation harness **Black** wire to Black/Violet (PIN 13) of factory 24-pin plug (See **Fig. 4**) or attach to the radio using one of the Torx screws.

Fig. 5

AUX JACK installation (For vehicles without DVD and/or expired Satellite radio subscription) otherwise skip to step 8

6. Carefully route aux jack (See **Fig. 4**) to location on dash or nearby panel where it will be mounted (within 3 ft.) final location will vary based on vehicle and customer's preference.
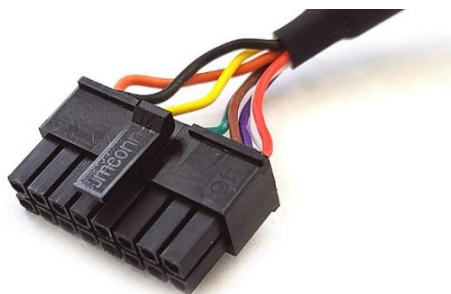

AUX jack
Fig. 4

7. **Optional:** Drill a 15/64 or 1/4" hole in dash or panel, push aux jack shaft through and secure with nut (See **Fig. 5**)

Fig. 5

8. Connect installation harness 16-pin plug (See **Fig. 6**) to module 16-pin connector (See **Fig. 7**)

Fig, 6

Fig. 7

Optional USB extension cable installation

Please note: Optional USB dash mount extension cable is not required for operation; however, it extends the module USB port (See **Fig. 10**) to dashboard, glovebox etc. and **USB port supports software updated and charging only**

1. Drill a ¾" hole to dash or panel using a step drill bit or equivalent (See **Fig. 8**) As an alternative; use the included bracket (See Fig. **12A**) to mount USB without drilling.

Fig.8

2. Fish USB cable terminal (See **Fig. 9**) through hole created in step 1 and plug into USB port on module (See **Fig. 10**)

Fig. 9
USB cable

Fig. 10

3. Snap header (See **Fig. 11**) to surface until flush (See **Fig.12**)

Fig. 11

Fig. 12

Fig. 13

4. Secure module and proceed to pairing

Pairing

Pairing varies among devices but basic steps are the same. This process is done upon initial install and will not have to be repeated

1. Turn on the ignition and radio
2. From Bluetooth enabled device, turn the Bluetooth ON and search for Bluetooth devices.
3. When a list of available Bluetooth devices appears on your Bluetooth device, select "DisCarSt" (See **Fig. 14**)
4. Confirmation "tone" is heard on car speakers.
5. The unit will automatically enter the BT Audio source and you can now start streaming audio from your Bluetooth enabled device.
   Note: If the mobile phone doesn't support SSP (Simple Secure Pairing) Profile, please enter the pass code of "0000"
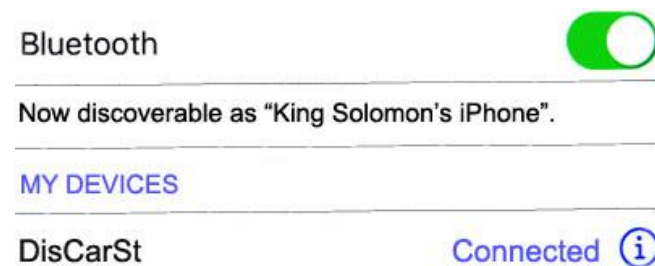

Fig. 14

Operation

1. Turn on ignition and radio
2. Press the radio "AUX" button repeatedly to cycle through FES/DVD (if equipped), SAT1, SAT2 and SAT3 modes (satellite radio, if equipped).
3. Turn the radio volume button to ¾ or 75%
4. Turn audio device volume setting to zero
5. On audio device; launch streaming application of choice
6. Increase volume on audio device until playback begins to distort
7. Decrease audio device volume until no longer distorts
8. Use wireless remote control buttons or device built-in controls to change tracks, adjust device volume, pause etc. (See **Fig. 15**)
9. To switch to Satellite radio (if subscribed) or RSE; press **Pause/Play** on remote control.
10. To switch back to streaming, press **Pause/Play** button on remote control
11. To listen to "AUX" device (if not subscribed/no DVD), press Pause/Play button on remote control
12. To listen to RSE (DVD) audio on car speakers, press Pause/Play on remote control: **Note:** DVD audio will play on headphone regardless.
    Note: To adjust volume (+/-) use tapping action instead of tap and hold

Fig. 15

13. If correct operation is confirmed go ahead and reinstall radio.

Frequently asked questions

1. **Does the BT2-FRD04 work in vehicles with Ford Navigation radios**
   YES; this adapter works in 2004-Up vehicles with Ford navigation radios **except 2003-2006 Expedition.**
2. **Does the BT2-FRD04 work in vehicles with FORD Sync**
   YES; the BT2-FRD04 also works in vehicles with Ford Sync so long vehicle also has an external device (Satellite radio tuner or RSE).
3. **Does the BT2-FRD04 work with the Ford 6-CD Changer radio?**
   YES; but vehicle must have factory Satellite radio or RSE.
4. **How to I switch from streaming to listening to Satellite radio or DVD player?**
   In order to listen factory RSE or Satellite radio (if subscribed), tap the PAUSE/PLAY button on remote control or pause streaming application.
5. **Does the remote also control CD changer or radio functions?**
   NO. The included remote is only able to control the select Bluetooth functions shown in **Fig. 15.** Does not apply to radio, Sat or DVD functions.
6. **How do I insert or change battery in the remote-control?**
   Pull battery tab from remote and insert the CR2025 battery to holder with label side up or as seen in **Fig. 16**

Fig. 16

7. **I'm experimenting annoying engine noise (alternator whine that increases with engine speed) Is there a fix for this?**
If experimenting alternator whine (engine on); we recommend checking the fuse box for an alternate switch supply fuse (circuit). If this fails, we recommend buying and installing our plug-n-play in-line BT63-NF (See **Fig. 17)** noise filter. This plug-n-play noise filter fits between the radio harness and module. Click here to purchase.

Fig. 17

Disclaimer

• This product has no affiliation with Ford, SiriusXM

• We're not liable for misuse of this product.

•We recommend professional installation

Email support@discountcarstereo.com