BT3-FRD04

QUICK START BLUETOOTH INSTALLATION GUIDE FOR SELECT 2004-10 FORD, LINCOLN, MERCURY

Created, June 20, 2024
Revised February 22, 2025

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 CAN-BUS RADIOS (AUX BUTTON ON FACEPLATE)

Introduction

Ford CAN-BUS radio owners will be pleased to find they are now able have not only hold hands-free calls but also stream their favorite applications without changing the original radio or dashboard components. The BT3-FRD04 features **Bluetooth Hands-Free, music streaming and charging** and best of all users are able to track up/down, answer/end calls using the radio and/or steering wheel "SEEK" buttons. A direct connection guarantees the best possible sound on car speakers and replaces satellite radio and/or RSE options. **Keep the radio and car you love** while enjoying audio device on your way to work or leisure drive.
For more see Frequent Asked question at the end of this guide.

Introduction

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. Remove radio to gain access to the connector – Vehicle specific radio removal is not part of this guide but available upon request.
2. With radio out; locate and unplug the factory 16-pin cable (See **Fig. 1**) from radio (See **Fig. 2**)

Fig. 1

3. Plug the installation harness 16-pin male terminal to the matching 16-pin port on radio (vacated in step 2) See **Fig. 2**

Fig. 2

4. Take the 16-pin factory terminal (See **Fig. 1**) and connect to installation harness matching 16-pin female terminal **Fig. 3**
5. Connect adapter harness 16-pin plug (See **Fig. 1**) to 16-pin slot on radio vacated in step 1
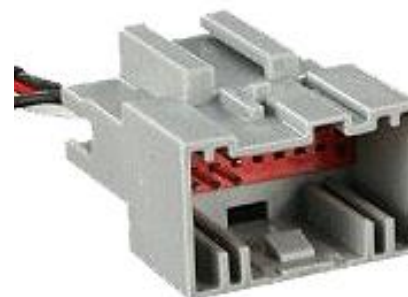6. Connect factory 16-pin plug (from step 1) to adapter harness 16-pin socket see in **Fig. 3**

Fig. 3

7. Tap/splice/solder adapter harness red wire to Purple/black* (PIN 2) on factory 24-pin plug (See **Fig. 4**)
8. Tap/splice/solder adapter harness **Black** wire to Black/Violet (PIN 13) of factory 24-pin plug (See **Fig. 4**)

   *Note: Ford OEM wire colors may vary, however pin locations for Accessory power (pin 2) and Ground (pin 13) remain standard

Fig. 4
Ford 24-pin Power/Speaker plug

9. Secure microphone to headliner or visor using included clip (See **Fig. 5**)
10. Route microphone cable (10 ft. long) down side pillar, under steering column and into radio cavity,
11. Connect microphone plug to module "MIC" input. (See **Fig. 7**)

    Wind noise will negatively affect phone audio. Users are advised to install microphone away from wind/ventilation ducts etc.

Fig. 5

Fig. 7

12. Connect installation harness 16-pin plug (See **Fig. 8**) to module 16-pin connector (See **Fig. 9**)

Fig, 8

Fig. 9

Optional USB extension cable installation

Note: 1. Optional 6 ft. USB dash mount extension cable is not required for operation, however it extends USB charging port (See **Fig. 12**) to dashboard, glovebox etc.

2. The USB port (See Fig. 12), supports charging and software updates only

1. Drill a ¾" hole to dash or panel using a step drill bit or equivalent (See **Fig. 10**) As an alternate, use the included bracket (See Fig. **15**) to mount USB without drilling.

Fig. 10

2. Fish USB cable terminal (See Fig. **11**) through hole created in step 1 and plug into USB port on module (See **Fig. 12**)

Fig. 11

Fig. 12

3. Snap header (See **Fig. 13**) to surface until flush (See **Fig.14**)

Fig. 13

Fig. 14

Fig. 15

Pairing module

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 ignition and radio "ON"
2. From your 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. 16**)
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"
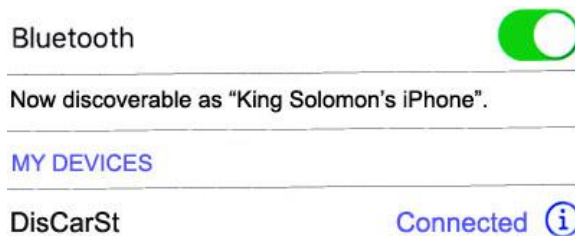

Fig. 16

Bluetooth operation:

1. Turn ignition to ACC and radio "ON"
2. Press the **"AUX"** button to enter Bluetooth mode. See **Fig. 17**

Fig. 17

3. Launch music streaming application
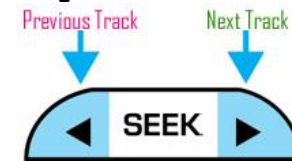4. **To skip tracks**: Tap the "SEEK UP" or "SEEK DOWN" buttons on radio or steering wheel (See **Fig. 18**)

Fig. 18

5. Place test phone call or ask someone to call.
   Alert: Ensure radio is in "Bluetooth" mode otherwise press "AUX" button
6. To accept, tap "**SEEK DOWN**" on radio or steering wheel (See **Fig. 19**)
7. To reject, tap "**SEEK UP**" on radio or steering wheel (See **Fig. 19**)

Fig. 19

8. Adjust call volume with radio VOL knob or steering wheel control.
9. If correct operation is confirmed go ahead and reinstall radio.

Warning: Playlist, Artist, caller ID etc. *NOT* displayed on Ford radio

Frequently asked questions

1. **Does the BT3-FRD04 work on all Ford radios?**
    NO; works only on Ford, Lincoln, Mercury radios with 16-pin port and AUX button on faceplate (See **Fig. 20)**

Fig. 20

2. **Can I control Smartphone from radio buttons?**
    YES; use radio seek buttons to change tracks and to accept/reject phone call.
3. **Can I pair or save more than one device to the BT3-FRD04?**
    YES; supports more than one device, but only pair to one device at a time.
4. **What happens if I receive a call while streaming?**
    Streaming will mute; press **SEEK** button to accept call. To end call press, **SEEK** button. Streaming resumes. (radio must be in Bluetooth mode)
5. **Pressing "AUX" button on radio does not switch radio to Bluetooth mode. What can I do to resolve?**
    If vehicle battery is ever disconnected; you will need to disconnect 16-pin module plug from radio for 2-3 seconds. Doing so will re-initialize module after which the "AUX" button should function.
6. **How good is streaming sound quality?**
    Sound quality is very good and without static or interference provided vehicles electrical systems are up to standard.
7. **Can I use the BT3-FRD04 to make/receive phone calls?**
    YES; the BT3-FRD04 supports Hands-free calls as well as audio streaming (A2DP)
8. **My Ford has satellite radio, will It still work?**
    Unfortunately the BT3-FRD04 replaces the satellite radio/RSE option.
9. **I'm experimenting annoying engine noise (alternator whine that increases with engine speed) Is there a fix for this?**
    First, ensure battery terminals are clean verify ground wire is connected to the radio chassis or a known good ground.

If that fails, consider installing our in-line noise filter (See **Fig. 21**).
This plug-n-play noise filter fits between the installation harness and module. Click here to purchase.

Fig. 21

10. **Does the BT3-FRD04 work in vehicles with Ford Navigation radios**
    NO. This adapter does not work in vehicles with **Navigation, Satellite radio, SYNC or RSE. These factory options may have to be disconnected.**

Disclaimer
- This product has no affiliation with Ford
- 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

Email support@discountcarstereo.com