



Driving without distraction is a necessity for a safer driving experience.

## BT3-LRDF

### QUICK START INSTALLATION GUIDE FOR SELECT 1987-06 LAND ROVER WITH VISTEON RADIO

Created: January 2011  
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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.
- Careless installation and operation can result in equipment damage.
- 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 adapter.

## Requirement: VISTEON radio (6500CD)

## Introduction:

Land Rover owners know how difficult it is to find accessories for vehicles fitted with Visteon radio. Most car stereo shops suggest an FM modulator, replacing radio or have no offering, but those adamant about keeping the original radio, we offer the BT3-LRDF Bluetooth module. The BT3-LRDF works on **Visteon 6500CD** (e.g. XQE 000170PMA, XQE 000160PMA, XQE 000161PMA etc.) in select 1987-06 Landrover (Discovery, Defender, Freelander) to provide hands-free calls (HFP), streaming (A2DP) and charging (5V/2.1A) allowing users to make/receive calls, stream favorite audio applications including Spotify, Deezer, YouTube, Pandora, SiriusXM etc.

Once installed, users pair their mobile device after which time the module pairs automatically after entering vehicle.

This BT3-LRDF provides the best possible sound on the car speakers all without the need to modify dashboard or invest in a new radio and replaces the remote CD changer (if present).

## Installation:

Remove radio from dashboard

1. To remove radio from dashboard a special tool (See **Fig. 1**) is required (Sold separately)



Fig. 1

2. Insert tools to radio keyholes until locked, then (a) move tools slightly sideways and (b) pull forward as illustrated in **Fig. 2**

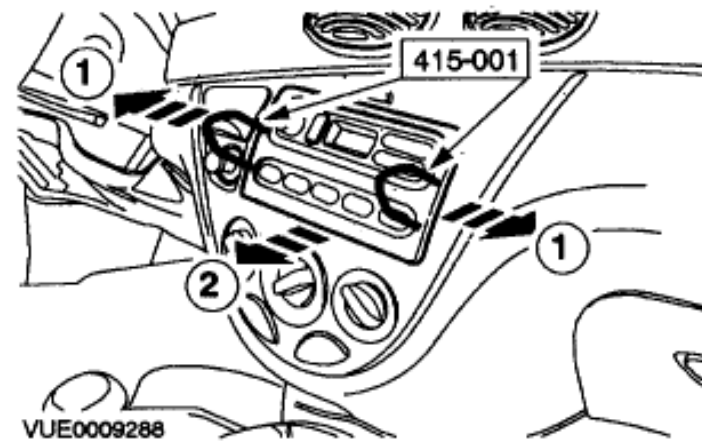
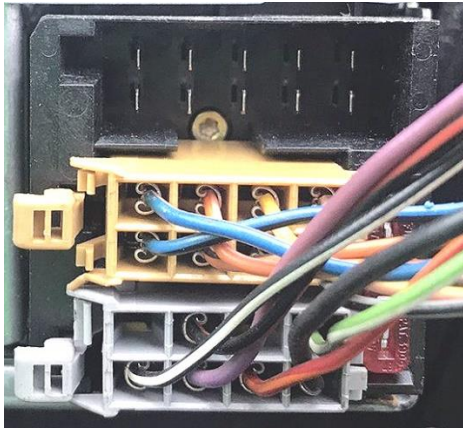


Fig. 2

3. If present; disconnect factory CD changer 10-pin plug from radio (See **Fig. 3**)



**Fig. 3**

4. Connect install harness 10-pin plug (See **Fig.4**) to radio 10-pin socket seen in **Fig. 3**.



**Fig. 4**

5. Tap/splice the installation harness red wire (See **Fig. 7**) to an accessory supply wire in vehicle. We recommend taping into the accessory wire on the radio gray plug @ pin 7 (Green/white) as seen in **Fig. 3** or any alternate switched supply wire in vehicle.
6. Secure microphone to headliner or visor using included clip (See **Fig. 5**)
7. Route microphone cable (10 ft. long) down side pillar, under steering column and into radio cavity,
8. Connect microphone right angle plug to module "MIC" input. (See **Fig. 6**)  
**Wind noise will negatively affect phone audio. Users are advised to install microphone away from wind/ventilation ducts etc.**



**Fig. 5**



**Fig. 6**

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



**Fig. 7**



**Fig. 8**

## Optional USB extension cable

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

2. **The USB port supports charging only**

1. Drill a  $\frac{3}{4}$ " hole to dash or panel using a step drill bit or equivalent (See **Fig. 10**)  
As an alternate, use the included bracket (See **Fig. 14a**) 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**  
USB cable



**Fig. 12**

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



**Fig. 13**



**Fig. 14**



**14a**

Tuck and secure any extra wires from moving parts and proceed to next step

## 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. On A2DP device: Go to *Settings, Wireless & Networks, Bluetooth Settings*
3. Toggle on Bluetooth to enable it.
4. Wait for search results to appear on the list of available devices
5. Tap on the name (See **Fig. 15**) to connect to it.
6. Once connected, (DisCarSt) should show up as "Connected" in the list of devices under Bluetooth settings.

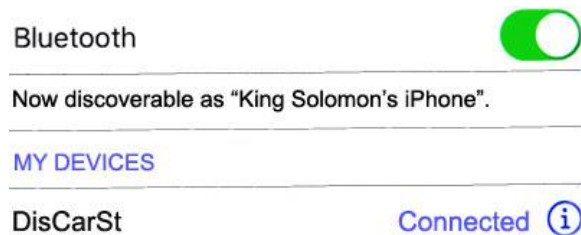


Fig. 15

**Note:** These steps are generally a one-time process as your Bluetooth device should connect automatically every time vehicle ignition is turned on.

## Bluetooth operation:

1. Turn ignition to ACC and radio "ON"
2. Press the "CD" button to enter CD changer (Bluetooth) mode.
3. Launch smartphone music streaming application
4. **To skip tracks:** Press the "SEEK UP" or "SEEK DOWN" buttons on radio or steering wheel (See **Fig.17**)

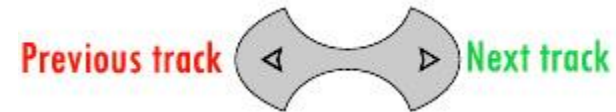


Fig. 17

5. Place test phone call or ask someone to call.  
**Alert:** Ensure radio is in "CD changer" mode otherwise press "CD" button
6. To accept, press "SEEK DOWN" on radio or steering wheel (See **Fig. 18**)
7. To reject, press "SEEK UP" on radio or steering wheel (See **Fig. 18**)

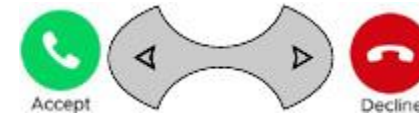


Fig. 18

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. is \*NOT\* displayed on Ford radio

### Notes:

Adding additional load to electrical system in older vehicles may result in alternator whine or similar noise. We recommend purchasing our [plug-n-play noise filter](#)

## Frequent ask questions & troubleshooting

1. **Does the BT3-LRDF work on all Land Rover radios?**  
**NO;** works only on Visteon 6500 CD model Visteon 6500CD (e.g. XQE 000170PMA, XQE 000160PMA, XQE 000161PMA etc.) found in vintage Discovery, Defender and Freelander.
2. **Can I control Smartphone from radio buttons?**  
**YES;** use radio seek buttons to change tracks and to accept/reject calls.
3. **Can I pair or save more than one device to the BT3-LRDF?**  
**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, tap Track back button to accept call. To end call tap, Track forward button. Streaming resumes.
5. **Can I connect module to the CD changer plug in remote area?**  
**NO;** Remote areas are not ideal for connecting this Hands-free kit in addition, the plug at the CD changer will not fit.
7. **After pressing the "CD" button, the radio does not switch into CD (Bluetooth mode). What can I do to resolve?**  
If the battery is ever disconnected; you will need to disconnect module 10-pin plug from radio for a few seconds. Doing so will re-initialize module after which the "CD" button should function.
6. **I'm experiencing annoying engine noise (alternator whine that increases with engine speed) Is there a fix for this?**  
We recommend installing our in-line BT63-NF (See **Fig. 19**) noise filter. This plug-n-play noise filter fits between the radio harness and module. [Click here](#) to purchase.



Fig. 19

### Disclaimer

- This product has no affiliation with Land Rover.
- We're not liable for misuse of this product.
- We recommend professional installation.

Email [support@discountcarstereo.com](mailto:support@discountcarstereo.com)

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