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## **BKRC-D-HF**

### **HANDS FREE, MUSIC STREAMING INSTALLATION GUIDE FOR BECKER RADIOS AND REMOTE CD CHANGER**

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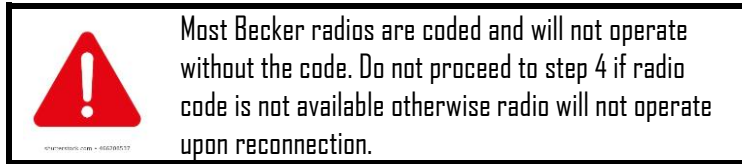
Revised: October 22, 2020

## Introduction:

Safety comes first when you're on the road, so having an intuitive and easy to use Bluetooth kit is essential to reducing driver distraction. The BKRCO-HF works with virtually all Bluetooth enabled phones and sounds great whether using it for mobile conversations, streaming music or listening to the CD changer via the "CD" input. One push button with built-in mic conveniently installed on the dash is used to launch VR application (Siri, Google Now, Assistant etc.), initiate phone calls, launch applications and switch sources. **Keep vehicle, radio and CD changer** while enjoying Bluetooth features only available on newer cars.

**Note:** A working CD changer required and at least one disc must be loaded to magazine for module to work as described.

## Installation:



Remove radio from dashboard to gain access to the connectors. Special removal tools (See Fig. 1) required to remove applicable Becker radios (except PCM)



Fig. 1

Radio removal Tools

1. Slide tools into slots on radio. (Straight edge facing away). Withdraw radio by pulling outwards. To release keys simply press retaining springs. See Fig. 2.

For a more detailed radio removal process, click [here](#).

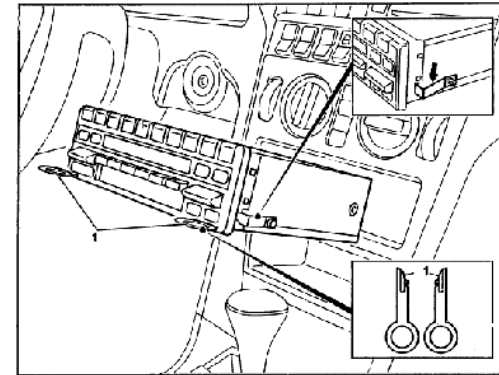


Fig. 2

2. Disconnect blue plug from C-3 chamber from radio (See Fig. 3) (pinch blue tab to release)

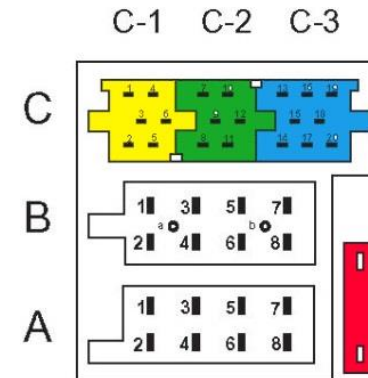


Fig. 3

Radio Connectors

3. Connect blue plug removed from radio in step 2 to audio harness black connector (See Fig. 4)



**Fig. 4**  
audio harness

4. Connect audio harness blue plug (See **Fig. 4**) to radio C-3 chamber vacated in step 2.
5. Disconnect 8-pin power plug from radio (chamber "A") (See **Fig. 3**)
6. Connect 8-pin power plug (from step 5) to power harness mating 8-pin connector (See **Fig. 5**)



**Fig. 5**  
Power harness

7. Connect power harness 8-pin plug (See **Fig. 5**) to radio 8-pin connector (chamber "A") vacated in step 5.
8. Connect installation harness 3.5mm right angled (See **Fig. 4**) to module pigtail jack (See **Fig. 6**)



**Fig. 6**  
Module

9. Connect installation harness 3.5mm straight plug (See **Fig. 4**) to Module "CD" input jack (See **Fig. 7**)



**Fig. 7**  
Audio output jack

10. Connect control button/microphone plug (See **Fig. 8**) to module "MIC" jack (See **Fig. 6**)



**Fig. 8**  
Control button/Microphone

11. Consider where to install control/mic button. Keep in mind the control button must be within reach and facing driver for voice commands and phone dialog (microphone/control cable is 6ft. long). **We recommend**

**completing the rest of the install prior to securing the control/mic button to the dash.** Once you decide on a location simply remove tape backing from control /mic button



Make sure there is no ventilation duct is pointed towards the mic.  
It is best to mount button facing driver

Bluetooth module built-in USB port if for charging only. It provides 2A charging current (See Fig. 11). **This may not be enough current to charge newer iPhones** which require more charging current. Should you decide to use it; we suggest one of 2 installation options:

- A. Flush to dash/panel which requires a 3/4" hole in the dash**
- B. Flush with Support bracket** (use this option to mount USB terminal wherever your installation demands without drilling)

**A. Flush to Dash or Panel (requires drilling)**

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



**Fig. 9**  
Step drill bit

2. Insert USB male terminal (See Fig. 10) through the 3/4" hole created in step 1 and connect to Module (See Fig. 11)



**Fig. 10**  
Flush mount 3 ft. USB cable



**Fig. 11**  
Module USB port

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



**Fig. 12**  
Flush mount USB Terminal



**Fig. 13**

Flush mounted to dash

4. Tuck and secure any extra wire from moving parts and test operation (See **Enabling the AUX** section below)

### **B. USB with Bracket Mount (No drilling)**

1. Locate a flat surface at location of choice to mount USB support bracket (See **Fig. 14**) to surface using adhesive/tape or screws.



**Fig. 14**

USB mounting bracket

2. Insert USB male terminal through hole in bracket (See **Fig. 15**) and connect to Module (See **Fig. 11**)



**Fig. 15**

3. Push USB head until it snaps in place and flush (See **Fig. 16**)



**Fig. 16**

4. Tuck and secure any extra wire away from moving parts and test operation (*See Bluetooth Pairing and Connection*)



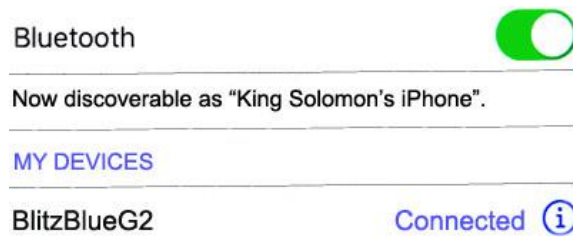
The radio cavity in most vehicles may lack extra room needed to fit aftermarket equipment and because of that you will have to be creative when fitting this part. Extra length cables are provided to allow for this flexibility

Secure module and proceed to section next section.

## Bluetooth Pairing and Connection

After initial pairing, the BKRCO-HF will automatically reconnect with the paired phone upon entering the vehicle.

1. Turn the vehicle ignition to "ON".
2. The Red LED inside module will begin to flash
3. Access your Smartphone Bluetooth menu settings, and search (scan) for devices.
4. Select the G2 and click "Connect"



**Note:** Supports multiple phones but connects to only one phone at a time.

**Warning!** Caller ID, text is **not displayed on radio screen**. Operating Bluetooth device with control button, or voice recognition application. Use Becker radio volume button to control playback level.

## Bluetooth Operation

1. Set the radio to **CD changer** mode
2. Adjust the radio volume

### Music Commands

To	Proceed this way
Pause a Song	Press and release button
Resume Play	Press and release button
Skip to next song	Press button twice
Skip to Previous Song	Press button 3 times
<b>Activate CD Changer Playback*</b>	<b>Press button 4 times</b>
Activate Voice Control	Press/hold button for 2 seconds
Switch out of CD Changer Mode	Press and release button

### Phone Commands

To	Proceed this way
Answer call	Press and release button
End call	Press and release button
Reject incoming call	Press button twice (call goes to VM)
Cancel outgoing call	Press button twice
Activate Voice Control	Press/hold button for 2 seconds

### Notes:

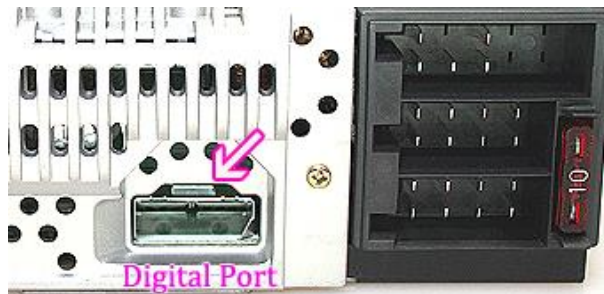
1. If playback is distorted, adjust volume on Bluetooth device.
2. **To reset Module press and Hold button for 5 seconds** (this will not un-pair phone or erase stored phones)
3. On incoming calls, ring tone will play on car speakers
4. Bluetooth range is approximately 30 ft. make sure device is within range of receiver

5. Voice command compatible with Apple (Siri), Android (Google Now), Blackberry (Assistant) etc.
6. At least one disc must remain in changer.
7. \* Control button does not control CD changer functions. Use radio control buttons for music selection and controls of the changer.
8. Upon ending call, audio streaming resumes playback, however to resume CD playback, pressed control button 4 times.

**If successful go ahead and Reinstall the Radio**

Congratulations, you've just updated your vehicle to support new technology while preserving the original radio and dash components.  
Enjoy!

**The BKRCO-HF is ideal for vehicles that include an analog CD Changer. Vehicles that include digital system (e.g. CR23/24, PCM2+) as seen in Fig. 17 are not supported.**



**Fig. 17**

**Optional visor mount microphone kit**

If you've installed or plan to install one of our "HF" (Hands-Free) kits, be aware the microphone is built into the push-control button (See **Fig. 18**) which means it must be mounted or installed in an area where it can be accessible to the driver which may work in some vehicle but may not be optimum for issuing voice commands or holding Bluetooth conversations in others.



**Fig. 18**

Due to many customer request, we are offering the G2-HF kit which allows for more installation flexibility by allowing control button to remain on the dash or within drivers reach and separate clip-on type microphone which would ideally mount to visor (See **Fig. 19**) from which driver can issue voice commands, hold Bluetooth conversations while also keeping eyes on the road.

**Package contents:**

- Microphone with visor clip on 10ft. cable x 1
- Push-to-talk button (green) x 1
- Splitter harness x 1



Fig. 19

## Installation:

1. Use clip to install microphone to visor or location of choice and route cable down pillar, under dashboard toward Bluetooth module location
2. Connect microphone right angle plug (See Fig. 20) to splitter harness "Mic input" jack (See Fig. 20) – indicated with arrow. (larger 3.5mm jack)



Fig. 20

3. Connect push-to talk button (blue or green phone icon) to splitter "Control button" jack as seen in Fig. 20 (smaller jack)
4. Connect splitter harness 4-pin male plug to module "Mic" input (blue) as seen in Fig. 21



Fig. 21



**Warning:** If clicking sound or no audio during playback, reverse connections to splitter harness.

Please also note, it is possible to connect original control button (blue phone symbol) or control button (green phone symbol) included in G2-HF kit to splitter harness. **When G2-HF kit is purchased along with Bluetooth kit "HF", the blue button control button is not included.**



## Frequent asked questions

1. **Do I require a working CD changer for this adapter to work?**  
**YES; CD changer is required and remain fully functional.**
2. **Does the BKRCO-HF work on all Becker radios?**  
**NO; For Becker analog radios with analog CD changers. Will not work in Digital systems (e.g. PCM2, CDR-23/24 etc.)**
3. **Can I control my Smartphone music from the radio buttons?**  
**NO; you must continue to use Phone built-in controls or the control button and/or voice commands to operate the device.**
4. **How to I reset Bluetooth Module?**  
Press and hold the control button for 5 seconds then release.
5. **How can I listen to my CD changer?**  
Hit CD button on the radio, then press control button 4 times.
6. **Where is the best place to install the control button/mic?**  
We found that having the control button/mic mounted higher on the dash worked best, but final location should be left to user.
7. **Will the stereo mute when I receive or make a phone call?**  
This system will not mute the stereo unless the radio is in "CD Changer" mode (Bluetooth mode). If you are in Radio Mode (AM/FM) and a call comes in, the radio will not mute. In addition, you must switch the radio to "CD Changer" (Bluetooth Mode)
8. **How to I pair a second phone to Bluetooth Module?**  
In order to pair another phone make sure no previously paired phone is connected. Once the device is free, it is ready for pairing.

### Disclaimer

- This product has no affiliation with Porsche, Becker or Apple
- We're not liable for misuse of this product.