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BKR-HF

Quick Start Bluetooth Installation Guide for Becker Radios with Aux Menu Option

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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 BKR-HF kit is compatible with virtually all Bluetooth phones, and sounds great whether using it for mobile conversations, music streaming or listening to an audio device (e.g. Mp3 player, Sat Radio etc.) connected to the AUX input. In addition, a USB Charging port is included to keep your devices fully charged. One button with built-in microphone conveniently installed on the dash is used to launch Voice Recognition application (Siri, Google Now, Assistant etc.) and initiate phone calls and launch applications. Thanks to the BKR-HF Kit you **keep the radio and car you love** while enjoying Bluetooth features only available on newer vehicles.

Installation:



Most Becker radios are coded and will not operate without the code. Do not proceed to step 4 if radio code is not available otherwise radio will not operate upon reconnection.

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



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](#).

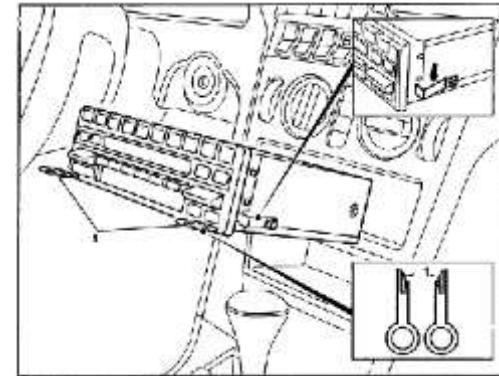


Fig. 2

2. Disconnect blue plug from radio **C-3** chamber (See **Fig. 3**) (pinch blue tab to release). **If vehicle has optional CD changer, ensure both blue and green plugs are disconnected.**

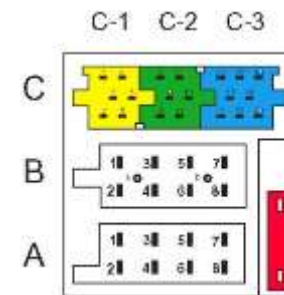


Fig. 3

Radio Connectors

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

4. Connect blue plug (See **Fig. 4**) from installation harness (See **Fig. 4**) to chamber C-3. Also ensure 3.5mm male plug from installation harness is mated with audio jack on module pigtail wire (See Fig. 4a)



Fig. 4
Audio harness



Fig. 4a
Audio out Jack

5. Disconnect factory 8-pin plug from radio chamber "A" (See **Fig. 3**)
6. Connect factory 8-pin plug to power supply harness 8-pin connector (See **Fig. 5**)



Fig. 5
Power harness

7. Connect power supply harness 8-pin plug to radio 8-pin connector (Chamber A)
8. Connect supplied 3.5mm male to male cable (See **Fig. 6**) to Module "AUX" input (See **Fig. 7**) and route other end to dash area or location where AUX device will reside (within 3ft.)



Fig. 6
3ft. Audio Cable



Fig. 7
Module

9. Connect control/mic (See **Fig. 8**) to Module blue jack (See **Fig. 7**)



Fig. 8
Control button/Microphone

10. Consider where to install control/microphone button. Control button must be within drivers reach and facing driver for voice commands

and phone dialog (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 no ventilation duct is pointed towards the mic.
It is best to mount button facing driver

See Optional visor Microphone kit at the end of this guide.

Bluetooth Module includes a USB Charging port. Should you decide to use it, we suggest one of 2 installation options:

- A. Flush to dash/panel requires drilling 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 (drilling required)

1. Drill a 3/4" hole in the dash or panel using a step drill bit or equivalent (See Fig. 11)



Fig. 11
Step drill bit

2. Insert 3ft. USB cable male terminal (See Fig. 12) through 3/4" hole created in step 1 and plug into USB port on Module (See Fig. 13)



Fig. 12
Flush mount 3 ft. USB cable



Fig. 13

Module USB port

3. Push USB head (See **Fig. 14**) until it snaps in place and flush with mounting surface (See **Fig. 15**)



Fig. 14

Flush mount USB Terminal



Fig. 15

Flush mounted to dash

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

B. Bracket Mount (No drilling)

1. Locate a flat surface at location of choice within 3.2 ft. of radio and mount USB support bracket (See **Fig. 16**) to surface using adhesive/tape or screws.



Fig. 16

USB mounting bracket

2. Insert USB male terminal through hole in bracket (See **Fig. 17**) and connect to USB port on Module (See **Fig. 13**)



Fig. 17

3. Push USB head until it snaps in place and flush (See **Fig. 18**)



Fig. 18

4. Tuck and secure any extra wire away from moving parts and test operation (*See Initial Radio Setup*)

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 flexibility.

9. Secure module and proceed to section "Initial Radio Setup".

CDR30/31 Installation

Remove CDR30/31 radio from the dashboard to gain access to the connectors. (Radio removal not covered in these instructions but may be available upon request)

1. With radio removed disconnect 12-pin green sub-plug from factory Quadlock (See Fig. 19)



Fig. 19

Factory Quadlock Plug and micro-Quadlock

Alert! Factory 12-pin micro Quadlock (**Green** for AUX and **Blue** for Bluetooth) are pictured above. The Green micro-Quadlock must be disconnected and replaced with **black** micro-Quadlock plug on adapter harness. (See Fig. 2) **On Vehicles with no options, both slots are vacant.**

2. Connect adapters black 12-pin micro-Quadlock plug to slot vacated in step 1 (See Fig. 2)



Fig. 20

Black micro-Quadlock plug from Adapter harness

Green micro-Quadlock plug remains disconnected (See Fig. 20)

3. Secure adapters **Black wire** to chassis ground. One option is to remove one of the radio chassis screws and secure black wire as seen in Fig. 21 or secure to any metal or ground wire.



Fig. 21

Ground wire to radio chassis

4. Route the adapters **Red wire** to suitable 12V Accessory supply source (e.g. fuse box etc.)

One option is to tap into fuse box in kick-panel at row C, fuse 1 (15A)

Warning: We highly recommend **against** connecting the Red wire to a **constant (battery) supply**. The Red wire must be connected to an **accessory supply wire** otherwise it will not work as intended.

5. Securely adapter with included wire ties and proceed to next section

Initial Radio Setup:

A very important step in this process is enabling AUX function within Becker radio menu.

Note: Becker CDR210, CR210, PCMI and others do not have an "AUX" function and not compatible with this part.

Enabling AUX function



Radios with TP button: (e.g. CDR-220)



1. Turn radio "ON"
2. Press and hold the "TP" button for about 8 seconds until Becker I is displayed.
3. Turn the Tuning Knob until AUX OFF is displayed.
4. Press either button located directly under the Arrows on the display to change the present setting from OFF to ON.
Turn radio OFF.
5. Turn Radio back "ON" Press "**S**" button to enter AUX Mode. This is the mode to use whenever you want to listen to the device connected to the adapter.

Radios with ⚙ button: (e.g. BE6104)



1. Turn Radio "ON"
2. Press and hold the ⚙ button for about 8 seconds.
3. Select AUX "ON/OFF" option.
4. Press either button located directly under the Arrows on the display to change the setting to ON.
5. Turn radio OFF.
6. Turn Radio back ON press the "⚙" button until "AUX" is displayed.

Other Radios with ⚙ button (e.g. BE4602)



1. Turn radio ON.
2. Press and hold the ⚙ button for 8 seconds, until Becker I is displayed.
3. Turn the Tuning Knob until AUX OFF is displayed.
4. Press either button located directly under the Arrows on the display to change the present setting from OFF to ON
5. Turn Radio back "ON" Press "CD" button to enter AUX Mode

Radios with 3 Function buttons (e.g. BE4527)



1. Turn radio ON.
2. Press and hold Function button #2 (center) for more than 4 seconds.
3. The accompanying menu appears on the display.
4. Press the multifunction button located directly under "AUX" on the display to change the present setting from OFF to ON.
5. The Setting is stored automatically.

Nav Traffic Radios



1. Press the "Radio" button to enter Radio mode.
2. Press the "Navi" and "FIO" simultaneously
3. Press "Next" until the AUX input, Changer Res screen
4. Press AUX to enable/disable.

Alternate method:

1. Press the "Sound" button for more than 2 seconds
2. To access user menu second level, press multifunction button →
3. With multifunction button "AUX" select either "AUX mode ON" or "AUX mode off"
4. The setting is stored automatically
5. In CD mode, multifunction button "AUX" must be pressed to select "AUX" mode.

Becker 4775 (Land Rover) & Traffic Pro



1. With the Radio "ON" press and hold the Tone button until the sub-menu comes up.
2. Press the soft-key labeled "Aux" until the screen displays "AUX Mode on".
3. Press the Tone button to exit the menu.
4. To enter "AUX" mode, press the "CD" button and select the "AUX" soft-key.

Sound 5 (BE7077 Sprinter Van)



1. Turn radio ON.
2. Press the **dp** repeatedly until EXT menu appear.
3. Turn Rotary control knob clockwise and select EXT AUX.
4. Press the CD button repeatedly until "AUX" is displayed

Cascade Pro (e.g. BE7941)



To activate the External Device mode

1. Turn radio ON.
2. Press the information button
3. Turn the rotary control/push (OK) button counterclockwise until System Settings appears at the top right of the display
4. Press the rotary control/push (OK) button
5. Turn the rotary control /push (OK) button to select External Device
6. Confirm selection by pressing the rotary control/push (OK) button
7. Select "AUX" from list and turn it "ON".
8. Exit menu
9. To listen to the "AUX" device, press the MEDIA button
10. Turn the rotary control /push (OK) button to "AUX" and press the rotary control/push (OK) button

Becker BE7801 Infotainment (Ferrari, Maserati)



1. Press the TP button for more than 2 seconds
2. Press multifunction button "AUX"
3. Select Ext audio source
4. press the right control knob to select "ON"
5. The setting is store automatically

Becker DTM /High speed (e.g. BE-7892, BE7920)



1. Press the **Sound** button for more than 2 seconds
2. Press multifunction button (→) to second level "AUX Mode"
3. With function button Select **Aux Mode on**
4. The setting is stored automatically

In CD Operation, the multifunction button AUX must be pressed to select AUX operation

CDR-30/31 Radios

Press the **CD/AUX** button on Radio repeatedly until "AUX Mode" is enabled.
Alternately: To switch from CD to AUX press the "AUX" Soft key)

Bluetooth Pairing/Connection

This process is required the first time you use the BKR-HF. After initial pairing, the BKR-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 and text display are **not possible in AUX mode**. Operating Bluetooth device is by pressing the control button and your Voice Recognition application. Use the Becker radio volume button to control playback level.

Bluetooth Operation

1. Set the radio to AUX 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 three times
Activate Aux input*	Press button four times
Activate Voice Control	Press/hold button for 2 seconds
Switch from Aux to Streaming Audio	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)
6. *Audio controls not applicable in Aux mode. Use the Aux device built-in control for music selection and controls.

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!

Bluetooth Adapter Comparison Chart:

Feature	BLU-BKR	A2D-BKR	BT45-BKR	A2DIY-BKR	BKR-HF
CD Changer Retention	x	x	x	x	x
3.5mm AUX input	x	x	x	✓	✓
USB Charging Port	x	x	x	✓**	✓
Mute Audio System	✓*	✓*	✓	✓*	✓*
Hands-Free Profile	x	x	✓	✓	✓
Streaming Audio	✓	✓	✓	✓	✓
Control button	x	x	✓	✓	✓
Plug-n-play	✓	✓	✓	✓	✓

* Radio must be in "AUX" Mode

** Optional

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. 22

Due to many customer request, we are not 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. 22**) 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. 23

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. 24) to splitter harness "Mic input" jack (See Fig. 24) – indicated with arrow.



Fig. 24

3. Connect push-to talk button (blue or green phone symbol) to splitter "Control button" jack as seen in Fig. 20 (smaller jack)
4. Connect splitter harness male plug to module "Mic" input (blue) as seen in Fig. 25



Fig. 25



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.**

Optional 3.5-USB adapter

Purchase optional [3.5-USB](#) cable to extend module USB and 3.5mm ports to a more convenient location on dashboard etc. This optional adapter kit serves the same purpose of the optional USB kit, but has both USB and AUX in one convenient location.



Frequent asked questions

1. **My vehicle has a CD Changer. Does it require disconnecting?**
YES; CD Changer must be disconnected
2. **Does the BKR-HF work on all Becker Radios?**
NO; the BKR-HF works only on Becker radios with "AUX" input capabilities. *CR-210, CDR-210, PCMI etc. with CD Changer requires the [BKRCD-HF](#)
3. **Can I control my Smartphone music from the radio buttons?**
NO; you must continue to use Phone built-in controls or control button and/or voice commands to operate the device.
4. **How to I reset the Module?**
Press and hold the control button for 5 seconds then release.
5. **How can I play a non-Bluetooth device (e.g. MP3 Player, Satellite Radio etc.) if the BKR-HF connects to the Radio AUX port?**
The BKR-HF includes a 3.5mm input jack for users to connect and play any audio device with a 3.5mm output. Press control button 4 times to activate AUX input
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 the user is left to find best location.
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 "AUX" 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 radio to "AUX" (Bluetooth Mode)
8. **My second phone can't pair or locate the Bluetooth device?**
In order to pair another phone make sure no other phone is currently paired.

Disclaimer

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