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BTH-BKR

HANDS FREE, MUSIC STREAMING INSTALLATION GUIDE FOR BECKER AUX READY RADIOS

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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.

Requirement

Becker radios with AUX menu option

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 BTH-BKR (formerly A2DIY-BKR) works with virtually all Bluetooth enabled phones and sounds great whether using for mobile conversations, streaming music, charging and AUX playback. **(CD changer if present must be disconnected)** To retain CD changer, purchase our [BTH-BKRCD](#).

Installation

Warning: 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.

1. Remove radio from dash to gain access to the connectors. A set of removal tools (See **Fig. 1**) is required.



Fig. 1
Radio removal tools

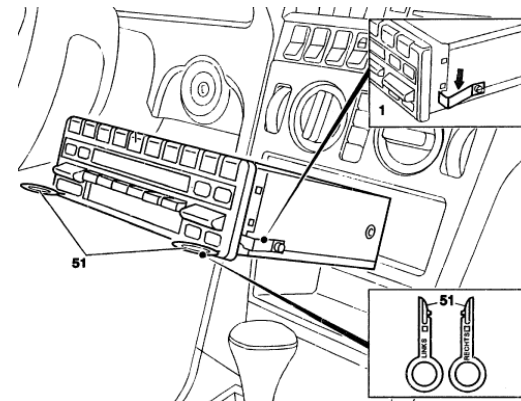


Fig. 2

2. Slide tools into radio slots (**51**) with straight edge facing away. Withdraw radio by pulling outwards. With radio removed, press retaining spring to release keys. See **Fig. 2**.
For detailed radio removal instructions, click [here](#).
3. If vehicle has optional CD changer, iPod adapter etc. disconnect both **BLUE** and **GREEN** plugs from radio (See **Fig. 3**)
Note: 6-pin GREEN plug (if present) must be disconnected otherwise radio will not retain AUX mode programming sequence on page 4-5.

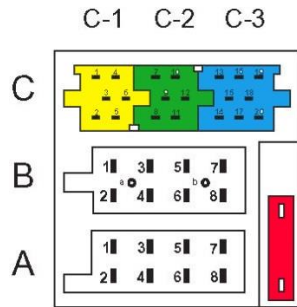


Fig. 3

Radio connectors

Warning: C2-C3 chambers are for optional CD changer and/or other accessories. C-1 chamber (YELLOW) is reserved for amplifier. **The A2D-BKR adapter replaces any accessory connected to C-2-3 slots.**

4. Connect BLUE ISO plug (See **Fig. 4**) to radio **C-3** slot vacated in step 2 (Skip if vehicle has factory Hands-free kit)



Fig. 4

8-pin ISO plug

5. **For Cascade radios (e.g., BE6111, BE6112, BE7941 etc.) with factory Hands-Free Kit and/or Ferrari with radio cluster display, otherwise proceed to step 6**
Optional [T-harness](#) (See **Fig. 4b**) required to retain factory Hands-free

kit and/or Ferrari digital radio cluster display (see **Fig. 4a**).

Without optional t-harness; Ferrari cluster display features will be lost, All others with Hands-free kits; callers will not hear your voice during phone call.

To install:

1. Connect T-harness BLUE plug (**Fig. 4b**) to radio C-3 slot.
2. Reconnect factory BLUE plug (from step 3) to BLACK iso socket on T-harness. (See **Fig. 4b**)

Note: T-harness only required to retain radio cluster display (e.g., Ferrari) and/or factory Hands-free option



Fig. 4a



Fig. 4b

optional T-harness

Warning: 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.

6. Disconnect factory 8-pin BLACK plug from radio (See Fig. 5)



Fig. 5



7. Connect factory 8-pin BLACK plug (from step 6) to matting 8-pin connector on power supply harness (See Fig. 6)
8. Connect 8-pin power harness plug (See Fig.6) to radio slot (vacated in step 6)



Fig. 6
Power harness

BMW and Mercedes solid 16-pin plug

Warning: BMW and Mercedes factory plug has a solid (molded) 16-pin speaker/power (A/B) plug. For these applications harness seen in Fig. 6a is included.

1. Disconnect factory 16-pin (solid plug) from radio (See Fig. 5) and connect to matting 16-pin connector on harness (See Fig. 6a)
2. Connect harness 8-pin **plugs** (brown and black) to radio chambers vacated in step 1



Fig. 6a

3. Test for engine noise. If present a noise filter (not included) may be added. We recommend our **BT63-NF noise filter**.
4. Secure microphone (See Fig. 7) to visor or headliner using included clip (See Fig. 7/7a)





Fig. 7

Microphone



Visor clip

Fig. .7a

5. Route microphone right angle plug (See **Fig. 7**) down pillar, under driver kick panel into radio cavity.
6. Connect microphone to module "MIC" input jack (See **Fig. 8**)



Fig. 8

Be cautious not to damage or cut microphone cable.

11. Route aux jack (See Fig. 10) to the front of the dash and secure or leave freestanding.



Fig. 9

Optional USB extension cable installation

Please note: Optional USB dash mount extension cable is not required for operation; however, it extends USB charging port (See **Fig. 11**) to dashboard, glovebox etc. and **USB port supports software updated and charging only**

1. Drill a $\frac{3}{4}$ " hole to dash or panel using a step drill bit or equivalent (See **Fig. 10**)



Fig.10

2. Fish USB cable terminal (See **Fig. 10**) through hole created in step 1 and plug into USB port on module (See **Fig. 11**)



Fig. 10
USB cable



Fig. 11

3. Snap header (See Fig. 12) to surface until flush (See Fig.13)



Fig. 12



Fig. 13

4. Secure module and proceed to pairing

Wireless remote control

Use included wireless remote control to track up/down, answer/reject calls, adjust device volume all while keeping eyes on the road.

Installation:

Attach button to steering wheel or dashboard using included double-sided tape. The 433 MHz frequency means the remote is ready for use once battery has been installed.

Note: For transport purposes, the battery has been installed upside down. Please re-install battery (CR2025) label side up as seen in Fig. 14



Fig. 14

Enable AUX menu option :

This important step (enabling AUX menu option) is required for the BTH-BKR to function. Most Becker radios are pre-programmed to recognize a CD changer connection and because of that you must perform the following steps to change this radio menu setting to "AUX".



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



1. Turn radio "ON"
2. Press and hold the "TP" (Traffic program) button for about 8 seconds until **Becker 1** is displayed.
3. Turn Tuning knob until AUX OFF is displayed.
4. Press button located directly under arrows on the display to change present setting from OFF to ON.
Turn radio OFF.
5. Turn radio back ON, press the "S" (Source) button to enter AUX Mode. This is the mode to use whenever you want to listen to device connected to adapter.

Radios with ☀ button: (i.e., 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 arrows on display to change setting to ON.
5. Turn radio OFF.
6. Turn radio back ON press the "☀" button until "AUX" is displayed.

Other radios with ☀ button (i.e., 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 (i.e., BE4527, BE6104)



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 multifunction button located directly under "AUX" on the display to change present setting from OFF to ON.
5. Setting is stored automatically.

Nav Traffic radios



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

Becker 4775 (Land Rover Traffic Pro)



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

Alternate Menu call up:

Press and hold "NAV" button and the last softkey selector (#10) at the same time.

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 CD button repeatedly until "AUX" is displayed

Cascade Pro (e.g., BE7941)



To activate the External Device mode

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

Becker BE6105, BE7801 (Ferrari, Maserati)



1. Press **TP** (Traffic program) button for more than 2 seconds
2. Press multifunction button "AUX"
3. Select Ext audio source
4. Press right control knob to select "ON"
5. Setting is stored automatically OR
1. Press and hold TP button to enter setup menu
2. Press **AUX** soft key 2 times
3. Select AUX using the right rotary control
4. Press right rotary control to save setting
5. Press **TP** button to exit setup

Becker DTM /High speed (e.g., BE-7892, BE7910)



1. Press **Sound** button for more than 2 seconds
 2. Press multifunction button "AUX"
 3. Select **Aux Mode on**
 4. Setting is stored automatically
- In CD Operation, the multifunction button AUX must be pressed to select AUX operation

Mercedes Sound 5

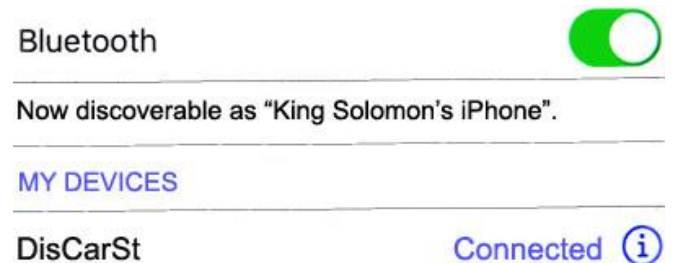


1. Press **Mode** button (indicated by arrow) repeatedly until AUX is displayed.

Bluetooth 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 ignition and radio "ON"
2. On A2DP device: go to **Bluetooth Settings**
3. Select **Bluetooth** and enable it
4. Tap **Scan for devices**.
5. Wait for Bluetooth device name (See below) to appear and tap it. *Once paired confirmation tone is heard on car speakers*



Noteworthy: On Androids it may be possible to change device name to something of your own liking. This may not be possible on newer iOS devices.

Bluetooth operation:

1. Turn ignition and radio "ON"
2. Press CD button or button combination to enter CD changer mode
(Ensure at least 1 disc is loaded and remains in changer magazine)
3. Launch smartphone music streaming application
4. Use remote control (See Fig. 15) or device built-in controls or touch screen to for track selection etc.
5. Place phone call or ask someone to call. To answer call; press **Previous track button on remote control.**
6. To end call press **Next track** button remote control.
7. To listen to switch over to AUX; press **Pause/Play** on remote control
8. To switch back to streaming; press **Pause/Play** on remote control
9. If correct operation is confirmed go ahead and reinstall radio.



Fig. 15

Comparison chart

FEATURES	A2DMP-BKR	BTH-BKR	BTSx-BKR	BTH-BKRCD
Changer retention	X	X	X	✓
3.5mm AUX input	X	✓	X	X
USB charging	X	**	**	✓
Mute function	X	*	*	*
Hands-Free calls	X	✓	✓	✓
Music streaming	✓	✓	✓	✓
Remote control	**	✓	✓	✓
Plug-n-play	✓	✓	✓	✓
Text display	X	X	X	X
Radio button control	X	X	X	X

* Radio must be in "AUX" Mode

** Optional

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

The BTH-BKR works in vehicles with analog radios. Newer vehicles with fiber optic digital systems (e.g., CR23/24, PCM2+) as seen in Fig. 16 are NOT supported.



Fig. 16

Frequent ask questions & Troubleshooting

- 1. Do I require a working CD changer for the BTH-BKR to work?**
NO; CD changer (if present), must be disconnected. To retain CD changer functionality, purchase our [BTH-BKRCD](#)
- 2. Does the BTH-BKR work on all Becker radios?**
NO; Works on Becker radios with AUX menu option and excludes digital systems (e.g., PCM2+, CDR-23/24 etc.) – See **Fig. 16**
- 3. Can I control Smartphone music from radio or remote control?**
Radios buttons (except for volume and tone controls) do not apply; however, the included remote control can be used for media and phone controls.
- 4. How do I listen to AUX device?**
If already in Bluetooth mode, press remote control **PAUSE/PLAY** otherwise Press CD or radio button combination used to access CD changer mode, then press **PAUSE/PLAY** on remote control. To return to streaming, press **PAUSE/PLAY** again.
- 5. Will stereo mute when I receive or make a phone call?**
This system will not mute unless radio is in “AUX” (Bluetooth) mode. If calls are initiated or received while listening to AM/FM; the radio will not mute. User must switch to “AUX” (Bluetooth) Mode in order to hear callers voice on car speakers and if necessary, switch back to AM/FM once call ends. If calls are initiated or received while streaming; playback is muted and resumes once call ends.
- 6. How do I pair a second phone with module?**
In order to pair a second device; verify no previously paired device is connected. Once module is free, it is ready to be paired.

Disclaimer

- This product has no affiliation with Porsche, Becker or Apple
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