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A2DMP-BKR

QUICK START MUSIC STREAMING INSTALLATION GUIDE FOR BECKER CD CHANGER CONTROLLING 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.

Requirements:

BECKER CD changer controlling radio

Introduction

Becker radio was standard equipment in many European luxury cars (e.g., Porsche, BMW, Mercedes, Land Rover, Ferrari etc.), but unfortunately do not include many modern media format many would love to have in their cars. Upgrading these radios to integrate Bluetooth is a great way to bridge the gap by bringing you and your vehicles radio into the future. The A2DMP-BKR media adapter allows these owners to not only stream music application from smartphone without wires, but also connect and play their MP3/WMA files from a USB2.0 device such as USB card readers, etc. and able to control directly from Becker radio buttons "CD" controls or steering wheel controls.

Streaming device is not controlled by radio buttons. Use streaming device built-in control for track and music selection. This module does not support hands-free calls.

See **Frequently Asked question** at the end of this guide for more details.

Installation

Remove radio from dashboard to gain access to the connectors. A pair of [removal tools](#) (See **Fig. 1**) is required to remove all Becker radios.



Fig. 1
Radio removal Tools

1. Slide tools into slots to detent position. Withdraw radio by pulling outwards on the tools. See **Fig. 2**

Click [here](#) for more detailed radio removal instructions.

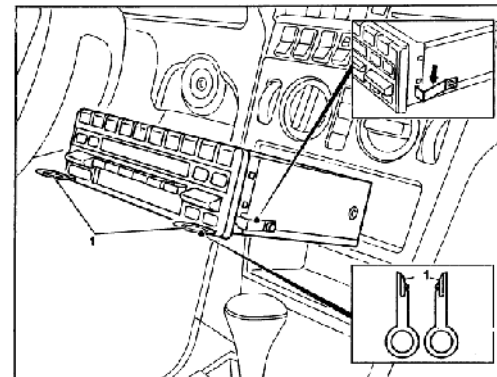


Fig. 2

2. If present, disconnect BLUE and GREEN plugs from radio (See **Fig. 3**)

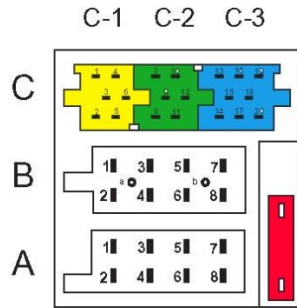


Fig. 3
Radio connectors

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

3. Connect harness BLUE and GREEN plugs (See Fig. 4) to C2 and C-3 slots vacated in step 2

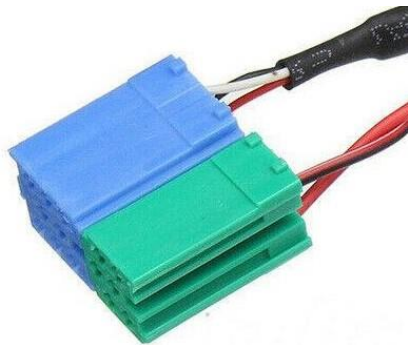


Fig. 4

Install notes for Cascade radios (e.g., BE6111, BE6112 etc.) and Ferrari with cluster display and/or factory Bluetooth Hands-Free

Optional T-harness (See Fig. 6) is required to retain cluster display (see Fig. 5) and/or factory hands-free. If purchased together (with this module); T-harness is prewired, however if purchased later, user must perform wiring.

To install:

1. Separate adapter BLUE/GREEN iso plugs (See Fig. 4)
2. Connect adapter BLU ISO plug to T-harness BLACK connector (See Fig. 6)
3. Merge T-harness BLUE plug with adapter GREEN plug (See Fig. 5) and connect to radio C-2 and C-3 slot vacated in step 2.
4. Proceed to next step (4).

T-harness (See Fig. 6) required only to retain cluster display and/or Bluetooth hands-free.



Fig. 5



Fig. 6
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.

4. Disconnect 8-pin BLACK plug from radio (See Fig. 7)



Fig. 7

5. Connect 8-pin BLACK plug (from step 4) to matting 8-pin connector on power supply harness (See Fig. 8)
6. Connect harness 8-pin plug (See Fig.8) to radio chamber vacated in step 4



Fig. 8
Power harness

BMW and Mercedes solid 16-pin plug

Warning: Mercedes and BMW unlike other Euro vehicles has the power and speaker plug molded into one solid plug (See Fig. 9) For these applications we are including harness seen in Fig. 10 instead of harness in Fig. 8

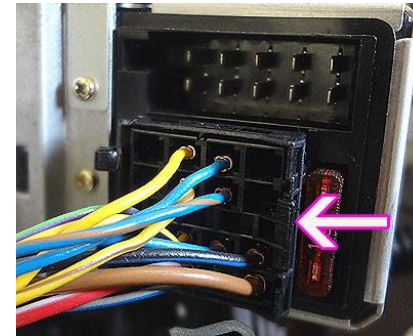


Fig. 9

7. Disconnect solid 16-pin plug from radio (See Fig. 9) and connect to matting 16-pin connector on harness (See Fig. 10)
8. Connect harness 8-pin plugs (brown and black) to radio chambers A and B (vacated in step 7)



Fig. 10

9. Install USB header to dashboard by drilling hole, or included mounting bracket (See Fig. 14) or leave freestanding.

Install USB terminal to dashboard or bracket

1. Drill a $\frac{3}{4}$ " hole to dash or panel using a step drill bit or equivalent (See Fig. 12)

Alert: Instead of drilling; secure included bracket (See Fig. 13) to dashboard and proceed to **step 2** or simply leave terminal freestanding.



Fig. 12



Fig. 13

2. Connect supplied 3ft. cable (See Fig. 14) to module USB port (See Fig. 15) by fishing cable through hole created in step 1



Fig. 14
3 ft. USB cable



Fig. 15
Module

3. Snap header (See Fig. 16) to surface until flush (See Fig. 17)



Fig. 16



Fig. 17

Tuck and secure any extra wire from moving parts and test operation

Pairing

Pairing process 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"
(The radio in many vehicles is able to be turned on without key in ignition; however, ignition must be turned "ON" for module to power)
BLUE LED within module will flash (pairing mode)
2. On A2DP device: go to **Settings, Wireless & Networks, Bluetooth Settings**
3. Select **Bluetooth** and turn on, select Bluetooth settings
4. Tap **Scan for devices**.
5. Wait for the Bluetooth device name (See below) to appear and select it.
Once paired, BLUE LED will glow steady

Bluetooth



Now discoverable as "King Solomon's iPhone".

MY DEVICES

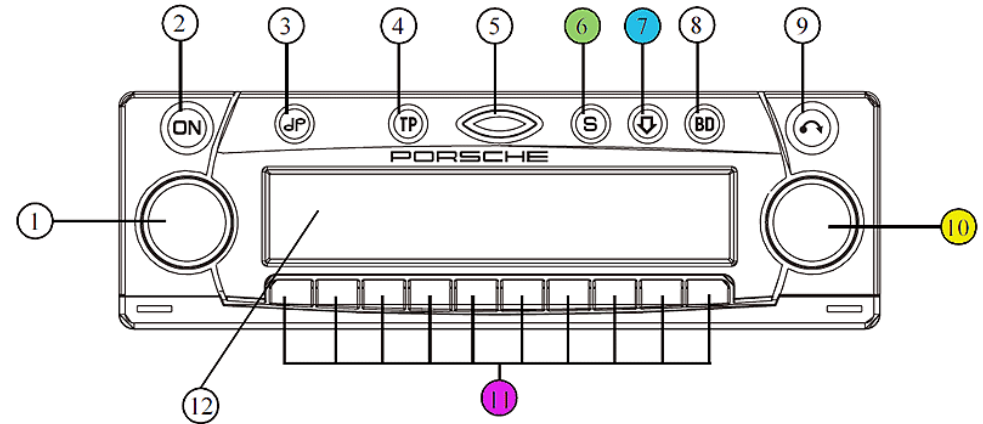
SKY International

Connected ⓘ

Note: Supports multiple phones but connect to one phone at a time.

Streaming operation

1. Ensure USB port is empty (See Fig. 17)
2. Press "ON" button ② to turn radio on
3. Cycle source button ⑥ until **CDC** is displayed
4. Launch streaming application from smartphone device
5. Set device volume to 85%-- adjust as needed based on playback quality (reduce if distorted). Use radio volume control button ① to set playback level.



- | | |
|--|----------------------------|
| 1 Volume control | 9 Tape/CD eject button (⏏) |
| 2 On / off switch (ON) | 10 Right rotary control |
| 3 Tone button (Ⓜ) | 11 Multifunction buttons |
| 4 Road traffic announcement button (TP) | 12 Display |
| 5 LED | |
| 6 Operating mode switching button (S Source) | |
| 7 Function button (F) | |
| 8 Waveband switching button (BD Band) | |

Warning: In streaming mode, Track selection is *NOT* possible from radio buttons. You must use audio devices built-in controls to access audio files.

USB media functions and operation

1. Formatting

Before loading files/folders we recommend formatting flash drive etc. to **FAT16 or FAT32** after which you may then save music files (MP3 or WMA) to designated folders as explained next.

2. Folder naming:

When flash driver etc. is first connected, the radio loads all available folders and provide direct access using multifunction buttons 1-6 as seen in **Fig. 18**

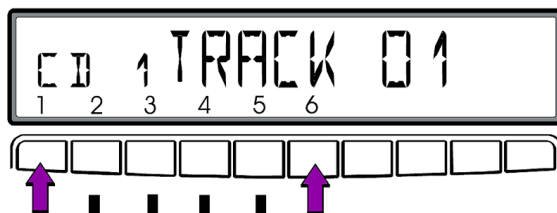
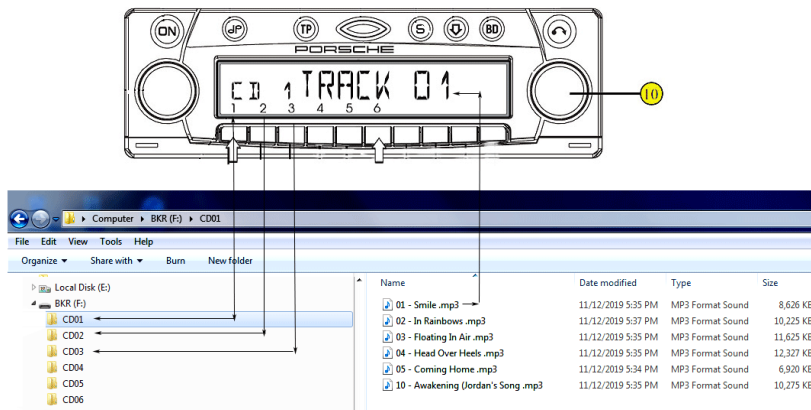


Fig. 18

The designated "CDOX" relates to multifunction button in the following manner:

CD01, CD02, CD03, CD04, CD05, CD06

Folder naming must be exactly as shown in capital letters and there can be no space between "CD" and folder number (01-06)

3. Playback functions:

The following playback functions are possible on most if not all Becker radios.

Please note function buttons/operation described in this guide are of Becker CDR-220 radio.

Scan

Press and hold the right rotary knob until "SC" appears on the display. (See Fig. 19) Each track in current folder plays for 8 seconds



Fig. 19

Fast Forward/Rewind

Fast forward and fast rewind is also possible. Simply press Function button then press and hold multifunction >> to fast forward current track or << to fast rewind current track.

Random play (Shuffle)

Random play is activated by pressing Function button and multifunction button "RP". (See Fig. 21) Tracks in current folder are then played in random order. Abbreviation "RP" appears on the display. Random play is terminated by repeat pressing of the multifunction button "RP".

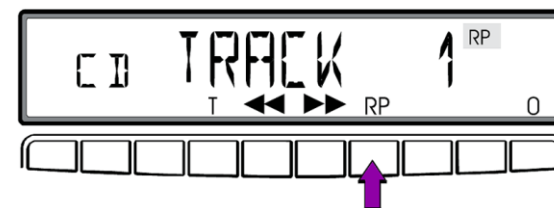


Fig. 21

Direct track selection

Press Function button then press multifunction button "0"

Digits 1-0 and Track __ are displayed.

A track can be selected directly by using multifunction 1-0 (See Fig. 22)



Fig. 22

Track Up/Down

Turn right rotary control Ⓜ right or left. If track has been playing for more than 10 seconds when turn function is triggered, a return to the beginning of the track takes place. Through further turning of the right rotary control, several tracks can be skipped over in forward or reverse directions.

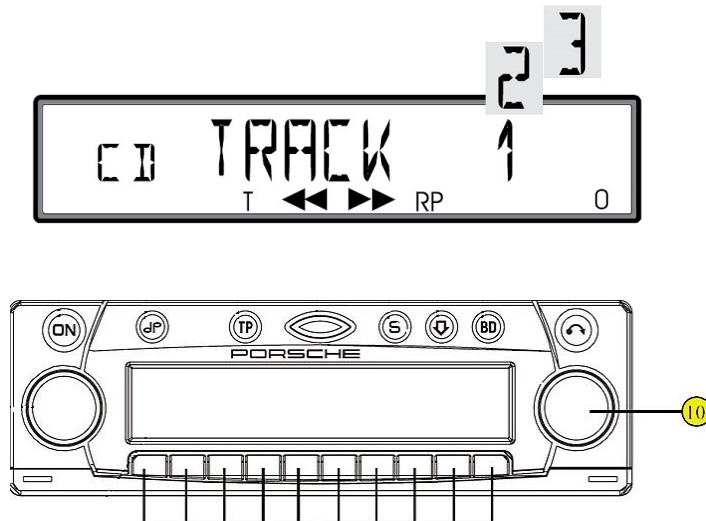


Fig. 23

Operation

1. Press radio "ON" button Ⓜ to turn on
2. Cycle **Source** button Ⓜ until **CDC** is displayed
3. Connect flash drive or adapter to USB port (See Fig. 24)



Fig. 24

4. "LOADING" shown on the radio display
5. After initial connection, **CD01, TRACK1** will begin playing otherwise playback will continue from last memory position
6. Use radio buttons to select folder/track as described on previous page.
7. If correct operation is confirmed, go ahead and secure module and re-install radio.

Important notes/caution:

Supports MP3 and WMA compression between 8Kbps and 320Kbps

MP3/WMA files over 320Kbps may not be recognized or played.

Not compatible with some new generation of high-speed USB sticks.

Recommended disk size: 16GB

Any number of songs can be stored in each folder, but Becker radio display supports 2 digits or up to track 99. Track 100 is displayed as 01

Any folder or file not in CDDX format (e.g. CDD1 etc.) will not be recognized or played.

Subfolders are not read

Streaming does not support last memory position or controls from radio buttons

We highly suggest formatting USB stick/card on windows PC

Saving files (over 50MB) in any folder may cause intermittent operation

Playback order based on how they were created

When last track in any given folder has finished, the first track in next folder will

start playing automatically.

If the track up or track down button is pressed quickly in repetition, track number displayed may change unevenly

If radio enters CDC mode but nothing plays, please change USB stick or cycle ignition

Frequent ask questions & troubleshooting

- 1. My vehicle has a CD changer. Will it still work?**
NO; CD changer, Aux or iPod adapter **must be disconnected.**
- 2. Does the A2DMP-BKR work on all Becker radios?**
NO; Works on Becker CD changer controlling radios (e.g., CR-210, CDR-210, CDR-220, Indianapolis 7920 etc.)
- 3. Will I be able to control music streaming from factory radio buttons?**
YES; Use familiar radio CD changer control buttons to select and play MP3/VWA files on flash drive. Radio buttons do not apply to streaming.
- 4. Can I pair or save more than one device to the A2DMP-BKR?**
YES; more than one device (slaves) can be paired however only one connection can be active at a time.
- 5. How do I switch from streaming to USB?**
Simply connect USB stick.
- 6. Can I use A2DMP-BKR to make/receive phone calls?**
NO; The A2DMP-BKR does not support Hands-free profile (HPF).
- 7. The A2DMP-BKR doesn't work after install. What should I do?**
Ensure ISO plugs are fit snug. Ensure USB stick is fully inserted and folders are properly named.
- 8. I've enabled "CDC" on radio but only one folder works, what should I do?**
This is likely because of improper folder naming or structure on USB stick
Please follow the rules as stated.
- 9. When streaming, I'm not able to control track selection from radio, what should I do?**
This is normal. Only streaming volume can be adjusted from radio when streaming. Track selection is only possible from audio device (e.g., Smartphone) built-in control or display.
- 10. When streaming, will I be alerted of incoming calls?**
YES. Handset ringtone and car speakers will play and call number announced.
Call must be answered on handset.
- 11. When listening to digital music (Flash drive etc.), will incoming call ring on car speakers?**
NO. Music will continue playing and handset will ring/beep etc. User required to stop play or lower radio volume and take call on handset. Alternatively, user may disconnect USB stick.

Disclaimer

- This product has no affiliation with Porsche, Becker etc.
- We're not liable for misuse of this product.
- We recommend professional installation.

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