



Mercedes-Benz



## IP-CMD

**APPLE IPOD/IPHONE ADAPTER INSTALLATION GUIDE FOR MERCEDES COMAND 2.0 RADIOS**

**NOT FOR MCS & COMAND 2.5+**

Created: January 3, 2018

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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 document 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.

## Introduction:

Just because you drive an older car does not mean you have to get stuck with old technology. Mercedes Benz offers an optional 3.5mm AUX jack (in glove box) which may be satisfactory to some, but for those with iPads and iPhones we offer a better solution. IP-CMD users are **able to not only play but also charge** any Apple 30-pin dock device without sacrificing the look and feel of dashboard components.

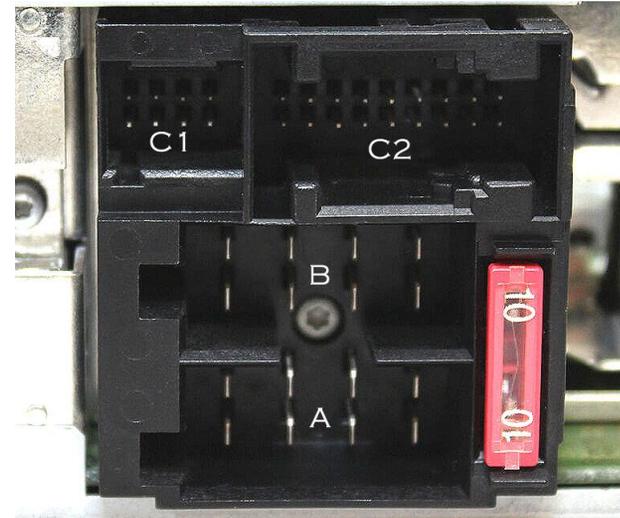
## Installation:



The IP-CMD works only on Mercedes Comand 2.0 radios and replaces optional AUX jack in glove box or AUX prewiring (passenger side pillar)

Remove radio from dashboard to gain access to connectors. (Vehicle specific radio removal instruction are not part of this guide, but may be available upon request)

1. Disconnect the 18-pin plug from **C2** radio chamber by pushing down on lock tab (See **Fig. 2**)

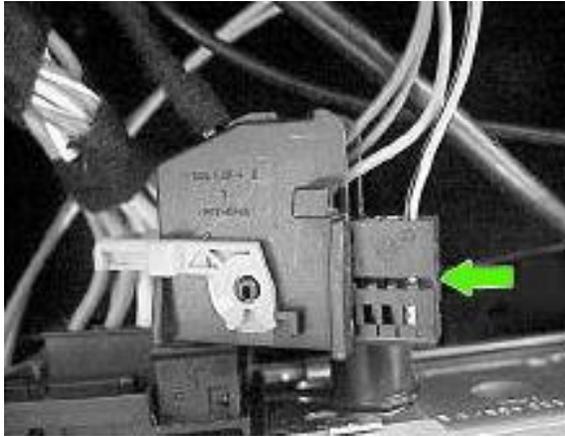


**Fig. 1**  
Radio connectors



**Fig. 2**  
C2 plug

2. Slide 18-pin contact carrier from housing (See **Fig. 3**)



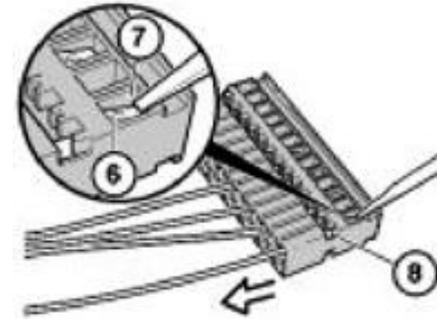
**Fig. 3**  
C2 connector

## Vehicles with factory AUX Jack or pre-wired

(Vehicles without AUX Jack skip to Step 3)

Factory AUX jack must be disconnected from 18-pin contact carrier by removing wires at position 4, 5, 13 & 14 and replaced with the 4 wires from the adapter (See Fig. 5).

1. **To remove wires:** With a small screwdriver or lock pick, press down the lock tab on pins to be removed (6) from housing (8). Pull wire (pins) from carrier. Repeat for 3 remaining wires (See Fig. 4)



**Fig. 4**

2. Insert the 4 wires from Adapter (See Fig. 5) into carrier slots vacated in step 1:
  - a) Red wire to **position 4** (See Fig. 6 red arrow)
  - b) White wire to **position 13** (See Fig. 6 white arrow)
  - c) Black wires to **position 5 and 14** (See Fig. 6 black arrows)

### Notes:

1. Black wires can be inserted in 5 or 14 (not critical)
2. Make sure pins are pushed all the way into carrier

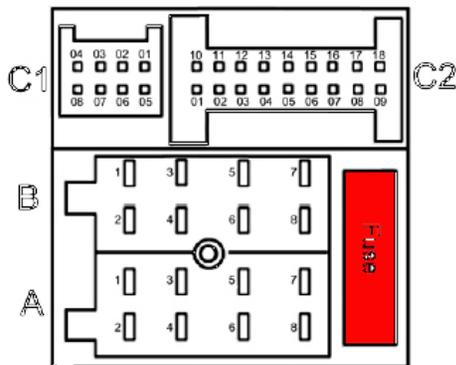


**Fig. 5**  
Wires from adapter



**Fig. 6**  
18-pin carrier

3. Re-install 18-pin contact carrier to housing. (Arrow on contact carrier points towards housing)
4. Reconnect 18-pin plug into radio **C2** slot – See **Fig. 7**
5. Disconnect factory **A** plug from radio. (See **Fig. 7**)



**Fig. 7**

6. Connect plug **A** removed in step 5 to mating connector on adapter power harness (See **Fig. 8**)

7. Connect female plug from adapter power to **A** slot on radio vacated in step 5.



**Fig. 8**  
Power Harness illustration

8. Carefully route dock connector (See **Fig. 8**) to desired mounting location on dashboard, glove box, console etc. within **4.5 ft.** of radio. Use caution to not cut, pinch or crimp the cable during this step.
9. Securely install cable in a location away from heat, humidity, moving parts, or sharp metal objects. **Damage to dock connector may occur if subject to abuse.**

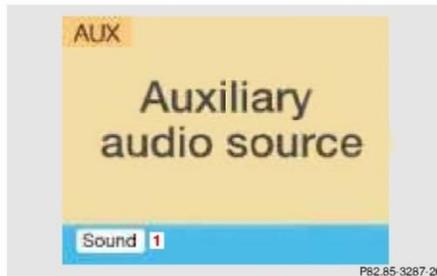


**Fig. 9**  
Apple 30-pin dock

## Test Operation:

1. Connect Apple device to dock connector
2. Turn COMAND2.0 Radio "ON"
3. Apple device will charge)
4. Switch COMAND2.0 Radio to "AUX" Mode

Switching on auxiliary audio source on/off



Turn the right hand rotary/pushbutton to highlight the "AUX" menu field in the main system settings and press to confirm.

**Alternate:** Press the **SYS** button to gain access to **AUX IN** menu field. From Navigation screen scroll to the AUX option.

5. Select favorite track using the controls on the device



Playlist and Track selection is **\*NOT\*** possible from the COMAND 2.0 Radio. You must use the Audio device built-in controls to access and select music files.

6. The selected track will be heard on car speakers.
7. If successful go ahead and reinstall radio.

## Frequently asked questions

1. **Does this work in Bose systems?**  
**YES;** works in Bose and non-Bose applications
2. **Does it require disconnecting the CD Changer?**  
**NO;** vehicles with CD Changer are not affected. CD Changer remains fully functional
3. **Can I control iPod device from COMAND buttons or steering wheel controls?**  
**NO;** control remains with the Apple device. Use the COMAND 2.0 Radio or steering wheel to adjust volume
4. **Which COMAND2.0 Radios were used during your test?**  
A 210 820 56 89, A 463 820 12 89, **A 208 820 31 89,** A 203 827 53 42, **A 210 820 49 89,** A 210 820 52 89, **A 210 820 55 89,** A203 820 92 89, **A203 820 38 89,**
5. **Will this adapter drain the battery?**  
**NO;** the adapter is powered only when the ignition is "ON".  
COMAND 2.0 Radio does not have to be "ON" for the adapter to charge. Once ignition is turned "OFF" the adapter will also turn "OFF"
6. **Why is playback level from audio device lower than radio or CD?**  
COMAND volume can be adjusted for AUX device as follows:
  - Turn on AM/FM Radio and adjust volume to a comfortable listening level.
  - Press "SVC" button on COMAND unit.
  - Select "AUX:" setting on COMAND unit.
  - Press play on AUX device
  - Adjust the volume on the Audio device (not applicable to Apple), so that the audio system output is at or near the same comfortable level previously set in radio mode.
  - Volume can now be adjusted using either COMAND or volume controls on multifunction steering wheel.
7. **My Mercedes has an MCS System. Does the IP-CMD compatible?**  
**NO;** MCS (Modular Control Systems) (See **Fig. 10**) available in US market will not work with this adapter



Mercedes MCS Radio

**Fig. 10**

**Disclaimer**

- This product has no affiliation with Mercedes Benz or Apple
- We're not liable for misuse of this product.
- We recommend professional installation.

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