



Guidelines for Installation Specialists

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Application:

**BMW / MINI – General System
Installation Notes**

As always, refer to the latest documents and versions on our website under Support at www.mobridge-usa.com

FAQ about BMW / MINI installations of mObridge Audio

1. Q: Does the customer lose the factory 6CD Changer (CDC) functionality?

A: Yes, for the time being, the existing factory CDC must be taken “out of the loop”. The BMW/MINI system does not allow for multiple instances (“nodes”) of the CDC on the MOST bus.

In no case is the in-dash single-CD playback lost.

2. Q: Does CDC need to be enabled/coded beforehand for mObridge to operate?

A: At this time, yes. If the vehicle is already equipped with a CDC (e.g., option SA 672), then it is ready for mObridge (although may not be MP3-text ready, see item #3). Although see item #1 about loss of the CDC functionality.

Though, if the vehicle is not already equipped with CDC, if the CDC interface is not already enabled in the head-unit, the vehicle must be “retrofit coded” (BMW/MINI technicians can be directed to procedure 01 29 0 415 098).

Some, if not most vehicles will be equipped with CDC preparation (e.g., option SA694). This means that the pre-wiring is present for CDC, but typically the MOST system is still not enabled (“coded”) for CDC.

If the vehicle is pre-wired for CDC, typically the harness supplied by mObridge is not needed and the existing wiring may be used. **THOUGH THE MOST BYPASS WIRING AND SWITCH SHOULD STILL BE INSTALLED.**

IMPORTANT: NOTES ABOUT RETROFIT CODING OF CDC:

This is NOT a procedure commonly performed outside of the dealership and requires highly-specialized BMW diagnostic tools or factory tools and knowledge. If attempting an installation of an aftermarket iPod adapter outside (not being performed by) of the authorized BMW or MINI outlet, please be aware of this and consult a BMW or MINI factory-authorized specialist with the correct tools. Enablement, or retrofit coding, of the CDC functionality is not a procedure that most general car audio installation shops or even most BMW independent repair facilities are equipped to handle. Therefore it is advisable to consult an expert before attempting installation.

It is preferable that installers/customers seek enablement (coding) by a specialist using the Autologic diagnostic tool for BMW / MINI (<http://www.autologic.us>, or <http://www.autologic-diagnos.co.uk/>).

BMW / MINI Installations of mObridge Audio – Location in Vehicle

BMW / MINI Model	Where to Install
<p>2002-2009 7-Series (E65, E66, E67, E68)</p>	<p>Location typically occupied by factory CD changer (CDC), behind the trim located above the factory glove compartment. Best place to mount iPod adapter is in place of the CDC, by removing the CDC.</p> <p>Note: consult your expert before applying iPod integration into 2006-2009 7-series.</p>
<p>2004-2010 5-Series 6-Series (E60, E61, E62, E63, E64)</p>	<p>Location typically occupied by factory CD changer (CDC), behind the trim located behind (at the rear of, behind trim panel at the back of the) factory glove compartment. Best place to mount iPod adapter is in place of the CDC, by removing the CDC. The iPod adapter can be safely mounted/strapped to the plastic housing the fuse block.</p>
<p>2006-current 3-series 1-series</p>	<p>The E9x 3-series can be highly variable in terms of installation location. This job is best left to an installer with significant BMW experience to determine the best location given the vehicle (sedan, wagon, coupe, cabriolet, etc), preference for iPod location, equipment level/prewiring, etc.</p> <p>There are many factors that can bear upon location and fiber routing in the 3-series vehicle. Also, the factory CDC location in the sedan, at the left rear behind the wheelhouse makes for a poor customer experience in terms of iPod placement and it is highly inadvisable to route the iPod cable from the factory CDC area to the front compartment.</p> <p>There is, however, a MOST routing block behind the flank of the left rear passenger seat that will allow a multitude of routing configurations and may make a good place to access for the iPod adapter into the MOST system.</p> <p>HOWEVER, the order of MOST ring components (ECUs) must never be altered. Any attempt at using this connector block is at the installer's own risk due to the skill and knowledge required to correctly route the fibers and maintain correct component order, and attempt at installing in this location is at installer's own risk (mObridge will not honor warranty support in this scenario).</p>
<p>MINI Hardtop + Clubman 2007-current</p> <p>MINI Convertible 2010-current</p> <p>2009-current (new) Z4</p>	<p>Consult your expert installer or mObridge for further indications.</p>

BMW Head Unit Types p.1/2



Head unit type:
iDrive CCC

Distinguishing Features:

8.8" widescreen
Two slots (DVD-Nav and single-CD)
Has Navigation
CCC2 – 2007+ models may have (6) preset keys

Application Started:

2004 5-series and 6-series.
Started applying in 7-series in late MY2005.
Started applying 3-series in MY2006.
Started applying 1-series in MY2008.

Supports CD/MP3 Text: YES (supports text browsing of iPod in CDC interface)



Head unit type:
iDrive M-ASK

Distinguishing Features:

6.3" standard screen
Single-CD slot

Application:

2004-2010 5-series and 6-series.
May be applied some (non-U.S.) market 3-series and 1-series starting MY2006.

Supports CD/MP3 Text: No (iPod is browsed by "Numbered Playlist" style through the CDC discs)



Head unit type:
7-series iDrive ASK

Distinguishing Features:

8.8" widescreen
Telephone keypad
Single slot, silver face
Has Navigation

Application:

MY2002-2005 7-series

Supports CD/MP3 Text: No (iPod is browsed by "Numbered Playlist" style through the CDC discs)

BMW / MINI Head Unit Types p.2/2

Head unit type:
7-series iDrive ASK2



Distinguishing Features:

8.8" Widescreen
Telephone keypad
Silver-face, single slot
Has Navigation
Mode / AM-FM buttons below slot (2002-2005 cars do not have)

Application Started:
MY2006-2009 7-series

Supports CD/MP3 Text: technically, yes, BUT it is strongly recommended to only run mObridge Audio (iPod/Aux) in "BMW non-MP3, numbered playlist" mode as MP3/Text Folders are not handled appropriately by this headunit system.



Note (if so equipped, as most U.S. models are)
BMW 7-series 6-CD changer (CDC) location in passenger side dash (behind concealing flap).

A "blanking plate" (seamless trim for models not equipped with CDC) is available from such BMW specialists as www.europeanautosource.com



Head unit type:
Professional Radio and MINI Radio

Distinguishing Features:
Single DIN (BMW Pro Radio)
Red LCD 2-line display

Application Started:
MY2006 3-Series
MY2008 1-Series
MY2009 (new) Z4
MY2007 MINI Hardtop and Clubman
MY2010 MINI Convertible

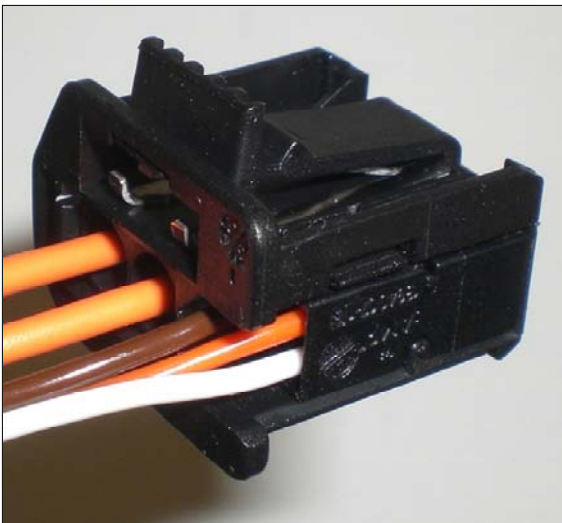


Supports CD/MP3 Text: YES (supports text browsing of iPod in CDC interface)

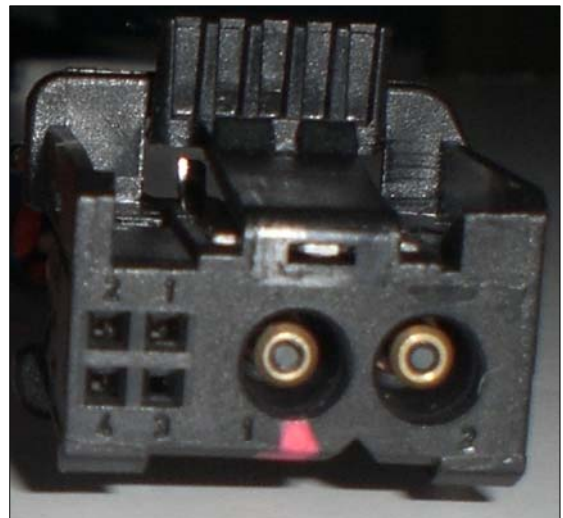
Details of the mObridge Audio Connector



View looking from the back of the 2+4 (Optical + Electrical) connector that plugs into mObridge.



"2+4" Connector to mObridge, assembled view.

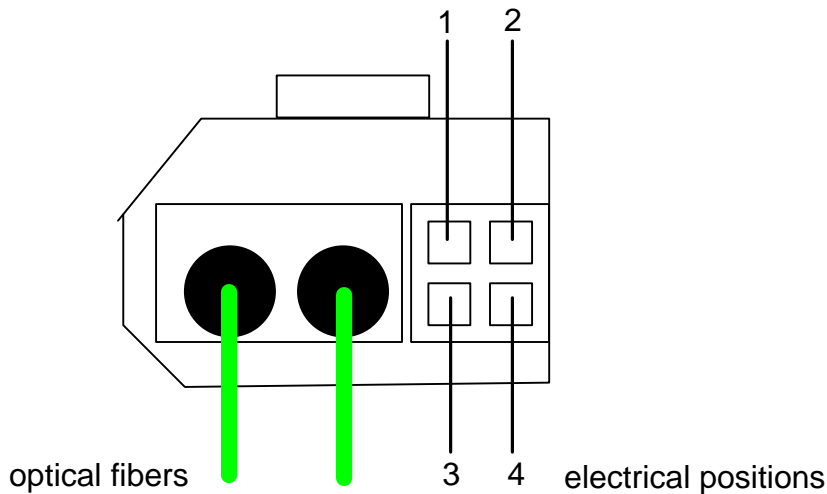


"2+4" Connector to mObridge, view looking into other side of connector.

IMPORTANT: Despite connector for optical and electrical for BMW factory units (such as 6-disc CD-changer) looking same as mObridge connector, factory power and ground in the 4-pin connector are in different locations from mObridge pinout and will likely blow the fuse if plugged as-is. Wires must be moved to correct pin locations per instructions below.

If you suspect (or test voltage and find) the mObridge unit does not have power, the best first practice is to examine the fuse for this circuit (audio system, CD changer, radio, SAT radio, etc).

CONNECTOR ELECTRICAL PINOUT DIFFERENCES, BMW / MINI factory CDC vs. mObridge, AS VIEWED FROM BACKSIDE OF CONNECTOR



Notice the B+ power and Ground must be relocated when switching from BMW factory unit connector configuration to mObridge configuration.

Any existing BMW wires in pins #3 and #4 must be removed and should be protected and taped aside. Location #4 is to be used for mObridge's MOST bypass input switch wire.

Pin No.	BMW Factory Unit Function	mObridge Function
1	+12V constant battery power (B+) (typically red with stripe)	Battery Ground (always brown)
2	Battery Ground (always brown)	+12V constant battery power (B+)
3	<i>other function</i>	none
4	<i>other function</i>	Bypass Switch (gets switched to B+ for putting mObridge into MOST bypass mode)

Other MOST System Standard Parts Available Through mObridge





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