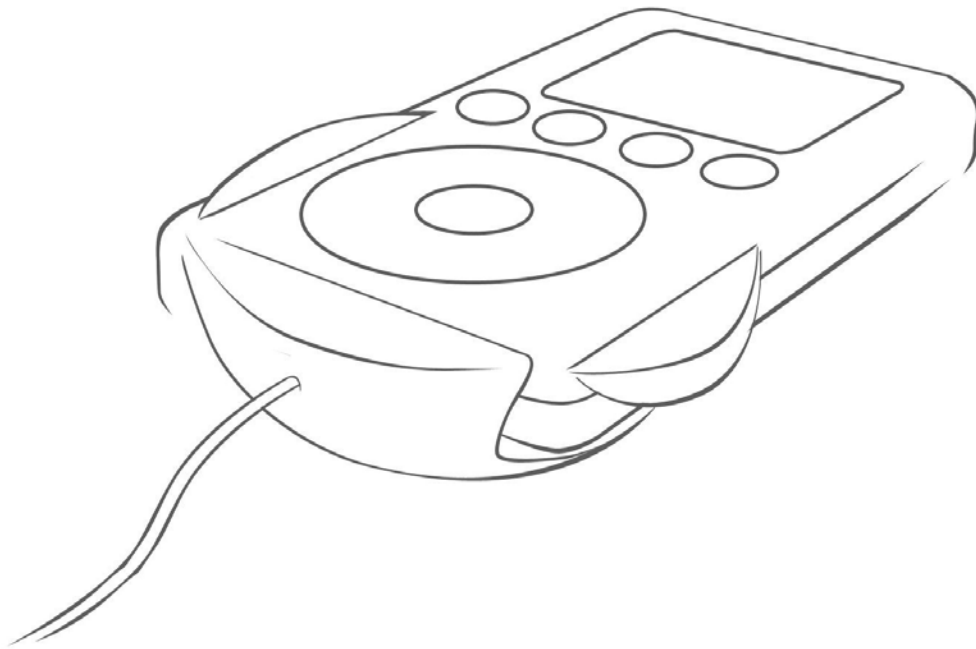


ice▶Link: iPod^{PLUS}

The Ultimate Car Integration Kit for the iPod.



DENSION

Apple approved car integration kit.

INSTALLATION SUPPLEMENT **for BMW**

page 1

Subject:

Dension ice>Link Plus for BMW, Trunk Mount Interface Kit



For select BMW Vehicles with cassette, BMW Business Radio, and vehicles equipped with Navigation (NAV). Not compatible with Digital Sound Processing (DSP) or Sirius/XM radio. Sirius and DSP Vehicles requires additional connection module.

Models Supported:

3-series [e36] *	MY1996-1998	Z4 [e85]	MY2003+
3-Series [e46]	MY1999+	M-Roadster/Coupe [e36/e38]	MY1999-2002
5-series [e39]	MY1997-2003	M3 [e36]	MY1996-1999
7-series [e38]	MY09/1998-2001	M3 [e46]	MY2000+
X3 [e83]	MY2004+	M5 [e39]	MY2000-2003
X5 [e53]	MY2000+	Z8 [e52]	MY2000-2003
Z3 [e36/e37]	MY1996-2002	Mini Cooper/Cooper S	MY2002+

* Not for use with 1996 318i vehicles

Recommended Installation Time:

All models (except X3 & Z4) – approximately 45 min X3 – approximately 90 min Z4 – approximately 60 min.

Included parts: (Please verify all parts before installation!)

Content of package depending on your purchase decision:



iPod Docking Cradle (1) with Spacer (1), Docking Cradle Mounting Base (1), screws (4), Wrench (1) and anti-scratch pads round (2) & square (2)

or



iPod Docking Cradle Mini (1) with Docking Cradle Mounting Base (1), screws (4) and Wrench (1)

or



iPod Docking Cable (1)

or



iPod Docking Cable Classic (1)

Content of package included in every package covered:



ice>Link Plus Adapter (1)



iceLink PLUS BMW interface Cable



maxxcount.de Service-CD

Optional Mounting Interfaces for Active iPod Cradle:

Vehicle Specific mounts can be purchased through a variety of resellers. Please visit ProClip, Panavise or Pro Fit for a complete selection of dashboard mounts.



Overview:

The ice>Link Plus for your iPod plays high quality music from your iPod through the existing BMW entertainment system's CD changer port. There is no need for cassette adaptors, cigarette lighter chargers or FM transmitters. You can start enjoying direct line-in audio quality with charging and iPod control from your existing car entertainment system. The ice>Link: iPod powers the iPod on and off as you enter/exit CD changer mode on your BMW's entertainment system. Fast Forward, Rewind, Search, & Seek are passed to the iPod too – this is really great for cars with steering wheel entertainment controls. The sleek design of the ICE>Link cradle will compliment most interiors as it were offered from the factory. The Cradle also acts as a charging source and will power down the iPod into a "sleep" mode when the iPod is not in use.

The following functions are available with the ice>Link Plus:

- Full integration of the iPod into the BMW. The ice>Link fully emulates the factory BMW CD Changer. Dual mode operation. Dension User Interface mode enables access to all iPod playlists through a combination of CD changer interfacing and the innovative Dension menu. iPod User Interface mode lets the user operate the iPod control surface and maps car controls to major iPod commands.
- ice>Link Plus works in conjunction with the display capabilities of the Apple iPod without the need for add-on display modules. At the same time, CD-text support has been introduced to display album / artist / song information on selected radios. Support for additional radios is currently underway, please inquire for more information.
- The ability to command playlist & track selection via the steering wheel controls and radio head unit. Fast Forward/Rewind and Advance/Preview Track commands are offered as the iPod was a CD Changer.
- Full ID3v2 text information is displayed on the factory BMW Radio
- Future-proof design. ice>Link Plus firmware can be upgraded directly from the iPod. Furthermore, the modular design enables the interface to be retained if the user changes vehicle with only a simple cable harness being required to adapt to a new vehicle application. This also enables the user to upgrade their iPod from one generation to the next and retain their interface.
- The "trademark" Dension active cradles securely hold Apple iPods that feature a dock connector.
- When switching from CD Changer (CDC) Mode to AM/FM, the iPod will power down to a "sleep" state and pause at that particular point in the current playing MP3 – only to resume when switching back to CDC mode.
- Whenever the iPod is connected, ice>Link Plus provides charging to ensure that your iPod is ready to go when you leave your car. ice>Link Plus is now featuring a smart charge control where you can select when your iPod should be charged. Reducing the daily charge cycles may extend the life of your battery.
- The iPod is in retained full-function mode, allowing for navigation via radio/steering wheel controls or via iPod. This allows for "On the Go" playlist creation on the iPod and ratings of MP3s that are playing. Random and Shuffle modes are also retained on the iPod.
- You can create any number of playlists and browse between them! Playlists generated by the Apple iTunes™ and on-the-go playlists are available as well! Even better, the first five playlists can be accessed directly by pressing just a single button Disk 1 - 5 on your radio. Of course, if you prefer the standard Apple iPod user interface, you can select it any time.
- Ice>Link Plus is now multi-platform compatible. When you lease or purchase a new vehicle, all you need is a new harness and a new configuration file. Imagine replacing your factory radio system to an aftermarket radio and being able to use the same ice>Link Plus interface!

Installation Instructions:



1. Pull vehicle into service bay and access trunk area.
2. Open Trunk and access boot area.
3. Disconnect **both** battery terminals in trunk area. Battery must be disconnected during installation in order to properly reinitialize when ice>Link is connected.

Make sure you have the vehicle's radio security code before disconnecting the battery cables!



4. CD changer interface will be on left hand side on most models in trunk.

Some models are different:

- X3 – CD Changer interface is located underneath carpeting under the center console.
- Z4 – CD Changer interface is located between seats, underneath subwoofer.
- Mini Cooper/Cooper S – CD Changer interface is located on right hand side of vehicle (Trunk area).



5. Remove carpet and side cover to gain access to CD Changer iBus harness. If CD Changer is present, it will need to be disconnected and/or removed at client's request. The CD Changer and ice>Link Plus cannot be used at the same time.

If vehicle is equipped with BMW Business CD, the in-dash CD player is retained.

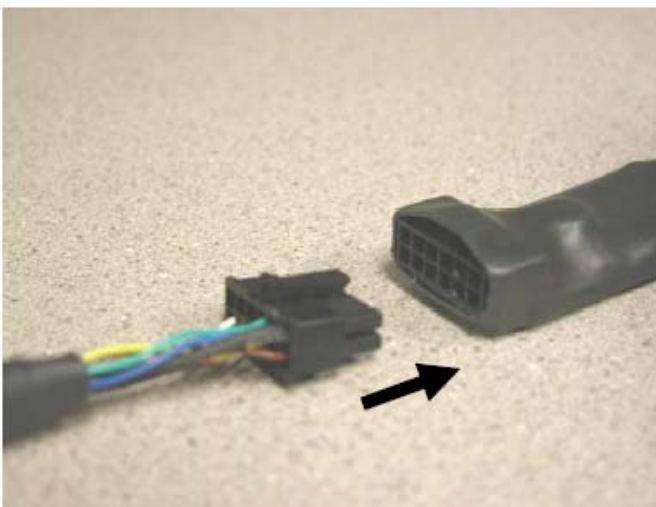


5. Locate both the 3-pin & 6-pin connectors in the trunk area. If the CD Changer is present, disconnect the cables and set aside. If no CD Changer is present, the cables will be bundled and tucked away in the rear trunk area.

Some vehicles will have the CD Changer wiring in a protective sheath.



6. Connect both 3-pin and 6-pin cables to the ice>Link Plus BMW Interface Cable.



7. Plus the ice>Link Plus BMW Interface Cable into the ice>Link Plus module. Temporarily Plug the Active Cradle connector into the ice>Link Plus Module.

This will be a good time to test functionality before running the cabling through the vehicle.



9. Fold down rear seats (if applicable) and route the 5m extension cable to the rear seat bottom cushion.

10. Remove bottom seat cushion by lifting up and route wiring underneath.



11. Remove Driver's Door sill. Tuck the 5m extension cable underneath carpet and door sill up to front seat area.

Using the e46 M3 as an example, the 5m extension cabling is able to route through the split in the carpeting underneath the front seat. After tucking in the cable, it will not be visible.

12. Route the ice>Link Plus BMW Interface Cable underneath the carpeting to the center console area and connect to ice>Link.



13. Connect Active Cradle or Docking cable to ice>Link.



Mounting Solutions:

If using Active Cradle, attach the cradle using the option ProClip mount specifically for the type of vehicle you are installing the ice>Link into.

Below are examples used in various e46 vehicles using the ProClip mount, other vehicle-specific mounts can be purchased through Panavise and Pro Fit as well.



Vehicle Coding:

None

BMW & Mini ice>Link Plus Troubleshooting Procedures:

1. Check the current software on your iPod - it should be at the current version, this can be found by going into the SETTINGS/ABOUT menu in your iPod. The firmware version will be the 4th line of text on the iPod.

Current iPod Firmware versions as of 02.15.05

- Classic (1st and 2nd Generation) iPod – version 1.4
- 3rd Generation iPod – version 2.2
- 4th Generation iPod – version 3.0.2
- 5th Generation iPod Photo – version 1.0
- mini iPod – version 1.2

*The iPod Intelligent Updater can be found at the following link:
<http://www.apple.com/ipod/download/>*

If the client's firmware revision is other than the current settings on their iPod or iPod mini, please advise to upgrade the iPod's software before connecting to the ice>Link.

Make sure you have the vehicle's radio security code before disconnecting the battery cables!

2. Disconnect **both** battery cables. While cables are disconnected, step on the brake and turn the key to the "start" position for a minimum of 10 seconds to ensure all power is drained from the Computer/Radio. With the key off and iPod removed, disconnect the ice>Link Plus interface to the radio.
3. Remove iPod from Active Cradle/Docking Cable.
4. While the ice>Link is powering down, reset your iPod while pressing and holding the MENU and PLAY/PAUSE buttons.
5. Reconnect battery cables and turn on the key to the "on" position but **do not** start the vehicle. Cycle through AM/FM/CD mode using the MODE button on the radio – you should **not** see a CD changer selection.
6. Connect the 3 & 6-pin adapters to the adapter while the key is in the "on" position - DO NOT install the iPod in the cradle yet!
7. Using the CDC button on the radio - try to select CD changer mode - you should see a NO DISK or NO CD message on the dot matrix display (emulating a CD Changer without CD magazine installed)
8. Select a song from your playlist on the iPod and play.
9. Insert the iPod into the ice>Link cradle while song is playing – Happy iPodding!