

**DICE iPod Integration Kit Installation Instructions for BMW Z3, M  
Roadster '96-'02**

**IF THE BELOW STEPS AND  
SUBSEQUENT PROGRAMMING  
ARE NOT PERFORMED EXACTLY  
AS OUTLINED, YOUR DICE KIT  
WILL NOT FUNCTION PROPERLY.**

**If you have any technical or operational questions not related directly to the physical installation of the Dice unit, please call Dice technical support directly at 1.888.342.3999.**

**Before you begin the installation process, it is IMPERATIVE that you read and understand the following information.**

- The Dice module is a very complex piece of hardware that is responsible for very complicated communications between your iPod and your BMW. It will not just “work” once you plug it in. Much like a computer, it has to be precisely programmed in order to communicate with existing components in your BMW.
- Your iPod **MUST** be updated with the very latest firmware from Apple. This software is available through the iTunes website. Before you attempt to install your Dice Module, make **SURE** that your iPod has the latest

firmware installed.

- Also, it is **IMPERATIVE** that your iPod has a complete charge before you attempt to use it for the first time with your Dice module.
- Again, much like your computer, the Dice module requires a thorough initial programming sequence, as well as a great amount of **PATIENCE** during this initialization. Please perform these initial programming steps carefully and methodically.

#### Tools Required for Installation:

- Panel Removal Tool
- 10mm socket wrench (Disconnect negative battery terminal)

#### Accessing Factory CD Changer Wiring

- 1) **The wires we're looking for are located behind the passenger side carpeted panel.** To remove the carpeted panel, remove the trunk floor mat first, the passenger tail light cover, and plastic pins securing the carpeted panel.
- 2) Look to the floor on the passenger side, and you will see a black plastic tub, which is attached by a plastic fastener directly to the chassis. Loosen the knob by turning it counter clockwise, and remove the tub.
- 3) The carpeted panel is now free and can be removed, revealing the factory amplifier and all necessary wiring connections that we will need.



## Making the Appropriate Connections for your iPod

1. Having located the BMW CD Changer 3 and 6 pin connections, we'll go ahead and plug the 6 pin BMW connector into either our iPod cable.
2. **If installing a Dice module in your Z3, you *must have* the Dice module plugged in BEFORE you plug the BMW 3 pin connector into the trunk cable.**  
This means the 12 pin connector on the other end of the trunk cable must be plugged into the Dice module **along with** the cable going to the iPod before the BMW 3 pin connector is plugged into the 3 pin connector on the trunk cable. The iPod itself does not have to be plugged in at this point.
3. **With regards to the Dice iPod cable, due to the complexity of routing the cable from the trunk to the front of the car, we do not recommend that the novice attempt to perform this portion of the installation.** Your iPod can be controlled directly from the factory radio, so we recommend leaving the Dice module as well as your iPod in the trunk of your Z3.
4. **If you choose to route the cable to the front of the car, please be aware that we cannot support this process technically and will be unable to assist you with this portion of the installation.**

## Programming the Dice Module

Now we can begin the programming, which is super easy if you follow these steps:

In some 1999 - 2002 models with the CD43 head unit we have seen that once you go into Dice mode, the head-unit's controls become locked up due to the Dice's scrolling text.

**Resolution:** Flip the Car Configuration Switch #1 (far left switch) into the down, or "on", position. This slows text output and should unlock head-unit controls.

If this doesn't resolve the issue, then try going into simple mode and disabling all text (Disc 6, Track 99).

1. Turn the ignition on and **wait approximately 20 seconds before** beginning to use the Dice module. This is **VERY** important. **Do not** attempt to use the iPod during this time.
2. On your head unit, press the CD button twice until you see the Dice module appear on the screen. It will usually say "CD 01-01" at first, or "INIT" for initializing.
3. If your 3 Series is a late '00 model or newer, your radio is capable of supporting the text information from your iPod. To enable text, simply press button #6 on your radio and **wait a few seconds**.
4. The radio will automatically advance to track #1, which is where we want it to be. Once text appears, press button #1 on your radio. However, **If** your 3 Series has navigation, advance the radio to track 6, and once text appears, press button #1. This will allow the Dice to sync with the BMW system.
5. Again, **before** you attempt to control the iPod, **give it a few seconds** to sync up with the communication system in your BMW.

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### **Using your DICE module in your BMW:**

When changing tracks on your iPod using your steering wheel controls or radio controls, **do NOT press the button in rapid succession in an attempt to change songs faster.**

This will cause communication issues with the DICE module. Rather, press **the buttons one at a time**, to allow the radio and the iPod to change songs at the same time.

If you want to rapidly change tracks, do so directly through the iPod controls.

### **Troubleshooting Guide:**

If your Dice module begins acting up in **any** way, there are a few simple procedures that will most likely solve any issues that you may be having.

1. First and foremost, it is **imperative** that your iPod is up to date with the most current firmware. This firmware is available at the iTunes website. This solves most problems with the Dice modules.
2. Check to make sure that your iPod battery has enough of an initial charge to function properly. This is a very common reason we see the Dice modules not working as they should. If not, the iPod periodically needs to be charged via the AC adapter that came with it. USB charging will not work on an iPod that has completely lost its charge.
3. Reset both the iPod and the Dice module.

To reset the iPod, you will simultaneously hold down the center button and the menu button for approximately 10 seconds until you see an apple appear on the screen of the iPod.

To reset the Dice module, you will want to completely disconnect the module itself, meaning both the cable coming from the trunk and the cable going to the iPod. At this point, it is imperative to leave the module disconnected **for at least half an hour.**

Now, plug the iPod cable back into the Dice module, then plug the cable coming from the trunk back into the Dice module. Refer to the section above for the proper initialization programming sequence.