

**DICE iPod Integration Kit Installation Instructions for Mini
Cooper /Cooper S Coupe**

**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.

- The Dice module is a very complex piece of hardware that is responsible for very complicated communications between your iPod and your Mini. 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
- Brain

Accessing Factory CD Changer Wiring

- 1) **The wires we're looking for are located behind the plastic panel on the right (passenger) side panel of the trunk.** To remove the panel, simply depress the two tabs on the top downward and pull inward toward the center of the hatch.



- 2) **Both the 3 and 6 pin connectors will be found tucked along the bottom edge, often times in a black padded wrap tied to the factory harness shown above.** They can be tucked quite tightly in here, so you may have to fish around a bit to release them. They may also be simply taped to the main factory harness, which is most oftentimes the case. Once located, free up the harness containing the two connectors by carefully pulling on the wires until you have about 10 - 12" of harness to work with.



- 3) With the harness free, it is now a good time to perform a "dry run", where you simply test the functionality of the Dice kit before you route the cable up to the front of the car.

The following steps must be followed EXACTLY as outlined, or your Dice kit will NOT function properly and may require you to send your unit back to Dice electronics for a swap. This will set your installation back at least 1 week, likely longer.

- 4) Plug the male 6 pin connector from the Mini side of the car into the female 6 pin connector at the end of the Dice trunk harness. **Do not plug the 3 pin connectors together at this time.**
- 5) At the other end of the Dice trunk harness we will connect the single plug directly to the Dice module. At this time we will also go ahead and connect the iPod cable from the Dice module to the iPod (iPhone) itself.
- 6) **Now, it is safe to plug the male 3 pin connector from the Mini side of the car into the female 3 pin connector on the Dice trunk harness.**
- 7) **Please proceed to the programming/initialization guide at the end of the physical instruction guide so that you can test the functionality of the Dice kit before proceeding with the installation. Once confirmed, come back to Step #8 below.**
- 8) Now that we've confirmed operation, we can proceed to route the trunk cable to the front of the car. Go ahead and unplug the trunk harness from the Dice module and the Mini 3 and 6 pin connectors. Let's pop out the flooring of the hatch, and move on.
- 9) We're going to snake the Dice trunk harness up into the side panel from the floor. First, we need to remove the Philips head screw from the side panel, shown below on the left. Next using your panel removal tool, pry out the plastic fastener securing the carpet to the rear subfloor.



- 10) We can now begin snaking the cable up into the area where the factory 3 and 6 pin connectors are located. You'll need to move the carpet out of your way in order to effectively tuck the Dice trunk harness up into the area. Notice how the cable has already been routed underneath the top portion of the backseat in the photo above on the left. This just makes it a bit easier when determining how much length you'll need as you tuck the cable underneath the carpet and up into the side panel.
- 11) Below is a rough sequence highlighting the routing of the cable up into the side panel. The bottom right photo shows the Dice trunk harness as it comes into the backseat. There is no

need to remove the bottom portion of the backseat, as we can tuck the cable along the outer edge of the seat where it meets with the plastic side panel.



12) At this point, we're simply going to use a combination of the panel removal tools and your fingers to route the cable along the bottom edge of the door sills and up into the front of the Mini.





Programming the Dice Module – *Please Read Very Carefully*

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

1. Turn the ignition on and **wait approximately 1 minute 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. **Give the unit at least a minute before you attempt to control the iPod in any way.**
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 Mini has navigation, advance the radio to track 6, and once text appears, press button #1. This will allow the Dice to sync with the Mini system.
5. Again, **before** you attempt to control the iPod, **give it at least a minute** to sync up with the communication system in your Mini.

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Using your DICE module in your Mini:

Please note that the text function will only work in Mini Cooper models built in 03/05 or later. For detailed Dice operation, please see the included Dice User's guide.

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 as this will lock up the bus system and result in your Dice kit not functioning properly.**

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.



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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.