

**DICE iPod Integration Kit Installation Instructions for
BMW X3 04+ (E83)**

**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.
- **It is not necessary to disconnect your negative battery terminal if you make sure that the last thing you do is connect the 3 pin terminal of your trunk cable. This effectively simulates connecting the negative battery terminal.**

Tools Required for Installation:

- Panel Removal Tool
- Philips Head Screwdriver (if using 3 and 6 pin connectors in the hatch area)
- Brain

Please note – There are two installation procedures outlined in this guide. Identify your vehicle, and proceed as highlighted.

1. The first section covers vehicles that do not have factory Sirius Satellite Radio Installed. This is the majority of X3 models. There is also a supplemental video guide available on our website, www.bavsound.com. You will find this guide directly on the product listing for the X3 Dice iPod integration kit. There is a blue “Videos” tab atop the main product image. There is not a detailed .pdf guide covering this process, so watching the video is imperative!
2. The second section covers the installation process for vehicles equipped with factory satellite radio. In this case, you will simply plug in the extension cable and proceed to route the Dice trunk cable to the front of the vehicle.

Vehicles that DO NOT HAVE FACTORY SIRIUS SATELLITE RADIO

The wires we'll be working with are located directly underneath the center console. You will simply remove the pocket underneath your center armrest by pulling straight up on it, exposing the area beneath. The wires

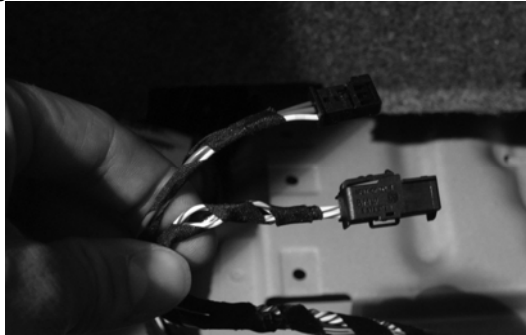


BAVARIAN SOUNDWERKS

are often times buried very deep in the console, underneath the carpet closest to the ashtray facing the rear seats. On rare occasion, they're readily visible once the pocket is removed.

Again, please see our installation videos on our website, www.bavsound.com or on www.youtube.com for a better understanding.

What do the wires I'm looking for look like?



We're looking for a 3 and 6 pin connector buried within the center console. They'll be wrapped together in foam padding and typically not readily visible. Once you've found them, the installation process can really begin. The video will really highlight the wires much better than the photo above. **Skip to the "Making the appropriate connections for your iPod" section.**

Vehicles that are equipped with factory Satellite Radio:

As we mentioned, if this is the case, you will not have to go digging through your center console looking for the 3 and 6 pin connectors, as they are already plugged into the factory Sirius module. The module is located in the hatch area behind the carpeted panel on the driver's side. The module will look like the photo below, but it will be mounted against the wall of your X3 in a factory bracket.



From this point, you'll just treat the 3 and 6 pin connectors on the end of the extension cable as if they were the factory connectors and proceed as highlighted below.

Note- We do not have visual representation of the routing of the Dice trunk cable from the hatch area to the front of the X3, as we have never come across an X3 with factory satellite radio at our installation facility.

However, the process is very similar to that of the X5, which has both a .pdf file and installation video covering the process on our website, www.bavsound.com. You will simply locate the Dice product listing for the X5, and click on the blue "Videos" tab or "Install Info" above the main product image.

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. **When installing a Dice module in your X3, 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.

Programming the Dice Module

- We have seen in some instances where the Satellite Radio (Sirius or XM) is no longer detected after the Dice module is connected. This situation is also caused by Dice's text scrolling locking up the head-unit.

Resolution: There are two possible resolutions to this issue: 1. On the Dice module itself, switch the car configuration dipswitch #1 into the down, or "on" position. 2. Insert a CD into the Business CD player. In doing this, your radio is given enough time to catch up to the commands without the text data interfering.

1. Plug your iPod into the Dice cable. **DO NOT** attempt to use the iPod at this time.
2. 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.
3. 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.
4. If your Z4 is a late '03 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 at least 30 seconds**.
5. 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 X3 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.
6. 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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the Dice unit, please call Dice technical support directly at 1.888.342.3999.

Using your DICE module in your BMW:

Please consult the included Dice instructions for a detailed operation guide of your new Dice module.

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.