

# iSimple™

**Expand Your Factory Radio**

add

**iPod®**



**BMW / MINI**

**Owner's Manual  
iPod Interface**

**ISBM72**

Peripheral Electronics®,  
a division of AAMP of America™  
13160 56th Court Clearwater, Florida 33760  
Ph. 866-788-4237 or  
727-572-9255 ext. 262 (international)  
support@peripheraelectronics.com  
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# 1. Introduction

Thank you for purchasing the iSimple ISBM72. This interface is designed to provide endless hours of listening pleasure from your factory radio. To ensure that your iPod performs correctly with your radio, we recommend that you read this entire manual before attempting installation of the ISBM72.

The ISBM72 allows connectivity for iPod, enabling “CD style” control of the iPod from the factory installed radio.

## 2. Precautions

### UPDATING iPod FIRMWARE

For proper operation of the ISBM72, your iPod must be updated with the most recent version of firmware from Apple. This is done on your computer. To update the software on the iPod go to: **<http://www.apple.com/ipod/download/>**.

Follow the directions on the website to complete the download. There is no charge for this update.

### PREVENTING DAMAGE TO YOUR VEHICLE OR IPOD.

Some installations require you to make wiring connections. To eliminate the risk of an electrical short, we recommend disconnecting the vehicle's battery prior to installation. If you do not feel comfortable making these connections, we suggest you seek professional installation. We recommend that the iPod be disconnected from the interface when the vehicle is not in use.

### PROPER MOUNTING LOCATION

Securely install the interface in a location free from; heat, humidity, moving parts, sharp metal edges or direct sunlight. We recommend securing the interface to a suitable location using; double sided tape, Velcro™ or zip-ties.

## 3. Compatibility

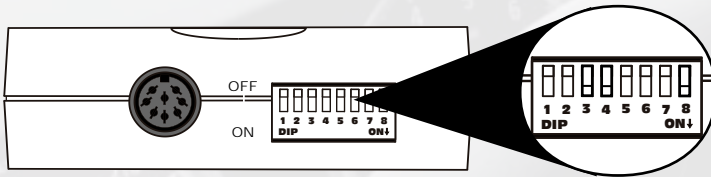
Please visit **[www.periphuralelectronics.com](http://www.periphuralelectronics.com)** to verify your vehicle's compatibility.

## 4. Programming the ISBM72

The ISBM72 may need to be programmed before installation. To program the interface you will need to set the dip switches located on the side of the interface (see Fig. 1 below) to the proper configuration listed below. Prior to installation the switches are in their default setting of “off” in the up position and are turned “on” when switched down. Refer to the chart below.

**Dip Switch Configuration Chart**

MAKE	1	2	3	4	5	6	7	8
BMW / MINI COOPER	off	off	ON	ON	off	off	off	ON



**Fig. 1** Side view of interface with dip switches in correct position

## 5. Installation

1. When making electrical connections it is always recommended that the vehicle's battery be disconnected from the electrical system before performing the installation.(see precautions in section 2)
2. Locate the Factory CD changer (reference the owners manual of your vehicle for this specific location.) If your vehicle is equipped with a factory CD changer, it must be disconnected in order to connect the iSimple BMW interface. If your vehicle is not equipped with a Factory CD changer you will need to locate the factory pre-run harness. This may involve the removal of the center console, glove box, or carpeted side panels in the trunk.
3. Program the ISBM72 interface by setting the Dip switches to the configuration for your vehicle (see section 4). Connect the vehicle adaptor harness into the factory pre-run CD changer cable(3-pin and 6-pin connectors.) Connect the 24-pin connector of the vehicle harness into the ISBM72.
4. Connect the iPod docking cable into the 8-pin port on the side of the ISBM72.
5. Before permanently routing the iPod docking cable through the vehicle to the desired mounting location, power on the factory radio and check for proper operation of the ISBM72.
6. The ISBM72 is designed to operate like a factory CD changer from your radio controls. Press the button that would access the factory CD changer, to select the iPod interface.

7. The first time the ISBM72 is accessed, it may take up to three minutes to fully initialize with the radio. Once the interface is recognized, and the radio enters CD changer mode, the iPod will be controllable using the radio's track forward, and track back buttons.

Note: it may be necessary to press the Play button on the iPod to begin playback.

8. After confirming the functionality of the ISBM72, finish the installation by securing the components and wiring in a location away from sharp metal edges, or moving parts that could damage the ISBM72.

9. Return all interior panels to their original configuration.

## 6. iPod Operation

To select the iPod from the radio, press the button that would normally activate the factory CD changer. Some radio models require pressing the "Seek >" button once, after pressing the CD button. Yet, it may also be necessary to press Play on the iPod itself to begin playback. In some cases, if it is the first time selecting the iPod from the radio it may take up to three minutes for the iSimple BMW interface to initialize.

### **CONTROLLING THE IPOD FROM THE RADIO**

With the iSimple BMW interface, the radio will control the iPod as if it were a factory CD changer. Therefore, operation will be done by using the same buttons you would use to control a factory CD changer. For more details on your particular radio, consult your vehicle's owner's manual.

The iSimple BMW interface allows you to skip songs forward and backwards and also to fast forward and rewind through a particular song. In general, most radios will utilize "seek" or "track" buttons to control these functions.

### **CONTROLLING THE IPOD FROM THE IPOD**

The iSimple BMW interface allows you to keep full control of the iPod from the click wheel. You can browse files and change Playlists on the iPod. You can also skip songs forward and backwards from the iPod. The iSimple BMW interface does not disable any functionality of the iPod!

### **RADIO DISPLAY DURING IPOD OPERATION**

Some factory radio's may show DISC and TRACK numbers on the display of the radio. The iSimple BMW interface does not send any information from the iPod to the radio. This means that the DISC and TRACK numbers shown on the display will not and can not reflect the song number on the iPod due to the complex nature of the music library. Some factory radio's may flash zeros on the display of the radio, or toggle back and forth between 1:00 and 2:00. All these are normal behaviors and do not represent a malfunction.

### **CONTROLLING THE IPOD FROM THE STEERING WHEEL CONTROLS**

If your vehicle's steering wheel controls have the ability to select track and control the forward and rewind functions of your factory CD changer, then they will also control these same functions on the iPod.

## 7. Troubleshooting

Symptom	Cause	Remedy
No Power	Blown fuse in vehicle fuse block.	Replace fuse with same amp rating. If the fuse blows again, call tech support.
No Power	Bad connection	Check cable and wiring connection.
Alternator noise is heard (Changes with Engine RPM)	Improper wiring creates a ground loop	Install a Ground loop isolator or seek professional service from a local car audio shop.
You can hear music from the iPod but you can't control it from the radio.	The Firmware on the iPod may not be updated.	Update the Firmware on the iPod. See section 2 of this manual.
Radio is not recognizing iSimple BMW interface	Bad cables or cables are not connected properly between converter box and car radio	Check connection and cables, push in firmly.
Radio is not recognizing iSimple BMW interface	Wrong configuration on the interface	Select the right configuration for your car. (See section 4)



**For Best Performance Have It Professionally Installed.**



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## 8. Warranty

### One Year Limited Warranty

The quality controls used in the manufacture of this product will ensure your satisfaction. This warranty applies only to the original purchaser of this product from an authorized Peripheral Electronics dealer. This warranty covers any supplied or manufactured parts of this product that, upon inspection by Peripheral Electronics authorized personnel, is found to have failed in normal use due to defects in material or workmanship. This warranty does not apply to installation expenses. Attempting to service or modify this unit, operating this unit under conditions other than the recommended voltage will render this WARRANTY VOID.

Unless otherwise prescribed by law, Peripheral Electronics shall not be liable for any personal injury, property damage and or any incidental or consequential damages of any kind (including water damage) resulting from malfunctions, defects, misuse, improper installation or alteration of this product. All parts of this Peripheral Electronics product are guaranteed for a period of 1 year as follows:

Within the first 12 months from date of purchase, subject to the conditions above, Peripheral Electronics will repair or replace the product at their discretion, if it is defective in material or workmanship providing it is returned to an Authorized Peripheral Electronic's dealer, with PROOF OF PURCHASE from an authorized Peripheral Electronics dealer.

### Warning:

This equipment may be reset by unintentional electrostatic discharge during operation. Exposure to direct sunlight or extreme heat may cause damage or malfunction.

### FCC Class B Radio Frequency

#### Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Re-orientate or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that of which the receiver is connected.
4. Consult the dealer or an experienced radio / television technical for help.

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.



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