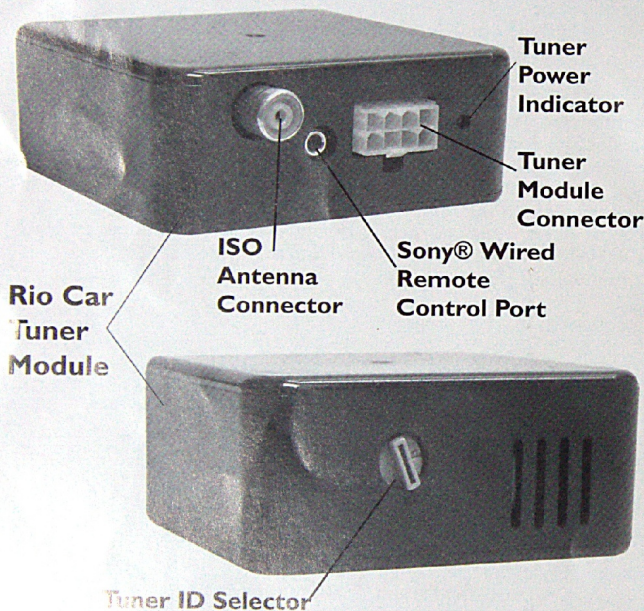


# Riō CAR™

## Getting Started

First Edition, July, 2001

Part Number 41000637-001



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### Package Contents

- Rio Car Tuner
- Motorola®-ISO Adapter
- Rio Car Firmware Updater CD
- Harness Extension Cable
- Rio Car Tuner Getting Started Guide

## Installation

### Tuner Module Connector

1. Connect the **Tuner Module Connector** to the **Tuner Connector** (white 8-way block connector) on the **Rio Car Docking Sled**. The two pieces connect only one way. Use the included **Harness Extension Cable** if there is insufficient space.
2. Check that all the connector wires are firmly crimped at both ends. If you have any loose wires, you can either remove the contact and solder them or email our Technical Support at [carsupport@riohome.com](mailto:carsupport@riohome.com).

### Harness Extension Cable

The **Harness Extension Cable** is provided so that you can mount the **Rio Car Tuner Module** somewhere other than directly behind the **Rio Car Player** in the dashboard of your car if there is insufficient space.

The **Harness Extension Cable** has an **Antenna Remote Control Line**, which you can use to control a powered antenna.

**NOTE: This is a bare wire, which should be properly insulated if it is not used.**

The **Antenna Remote Control Line** can be used as the control input to a powered antenna or antenna amplifier. You may need an antenna power feed adapter for some cars. Check with a car audio specialist if you get bad reception, particularly on AM frequencies.

### ISO Antenna Connector

Plug the car's antenna to the **ISO Antenna Connector**. This is a European ISO type connector, but a **Motorola®-ISO Adapter** for US type connectors is supplied with the **Rio Car Tuner Module**.

### Tuner ID Selector

The **Tuner ID Selector** feature will become available in an upcoming firmware release. It will allow a **Rio Car Player** to be shared between different vehicles while maintaining specific settings for the display dimmer, EQ, volume, and other sound settings for each vehicle.

If you are installing a **Rio Car Tuner Module** in more than one vehicle, set each **Tuner ID Selector** to a unique ID number/letter using a small screwdriver. There are 16 positions available, labeled 0-9 and A-F. If you only have one car, the ID should be set to zero.

### Sony Wired Remote Control Port

This port accepts **Sony® RM2XS** and **RM4XS** steering wheel stalk controls. If you have a factory-fitted or other brand steering wheel stalk control installed in your car, you may be able to purchase an adapter cable to convert it to use **Sony** compatible control codes and provide the appropriate connector (a 3.5 mm stereo headphone jack plug). Consult your local car audio specialist for more information.

**NOTE: Compatibility with other steering wheel stalk controls is not guaranteed.**

### Mounting the Rio Car Tuner Module

The **Tuner Module** should be located behind your car's dashboard, preferably behind the **Rio Car Docking Sled**. You do not need access to it when it is in use and it can be hidden from sight behind the **Docking Sled**. Use the included **Extension Cable** if you need to mount the **Tuner Module** somewhere else due to lack of space. The **Tuner Module** should only get slightly warm, but make sure to provide adequate ventilation.

Ensure that the **Tuner Module** is firmly mounted in position to prevent rattling or moving and possibly damaging the wiring. Cable ties are ideal for keeping the **Tuner Module** in place. Tape and adhesive pads are likely to fail with heat.

### Tuner Operation Indicator

The **Tuner Operation Indicator** is an LED that lights up when the player boots up before you hear any audio.

**NOTE: If your Rio Car Player does not have V1.03 or later firmware, the Tuner Module will not be recognized and the LED will not turn on. A firmware upgrade is available on the Rio Car Firmware Updater CD.**

## Region Settings

You need to set the Region Settings in the emplode™ PC software.

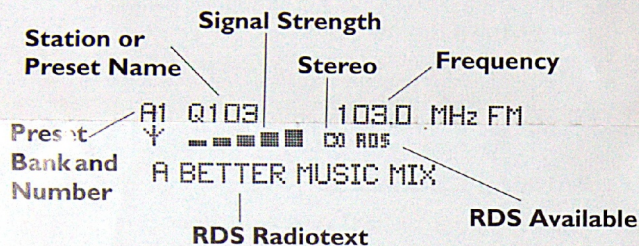
1. Connect your **Rio Car Player** to your **PC**.
2. Download the database from the Rio Car Player to emplode.
3. Click **File** and select **Configure Player**.
4. Click on the **Tuner** tab.

The Tuner pane allows you to choose either US or European frequencies. It is important to select the correct region because the US and Europe use different settings. Selecting the incorrect region may result in most AM stations and some FM stations being inaccessible, as well as the treble response on the FM stations sounding distorted.

5. Select the regional frequency appropriate to you.
6. Select whether the **Steering Wheel Stalk Control** is mounted on the **Left** or the **Right** hand side of the steering column.

## Using the Rio Car Tuner Module

Access the **Tuner Control** on the **Rio Car Player** by pressing the **Tuner** button on the remote control.



## Tuning

- To change between **AM** and **FM** stations, press the **Tuner** button on the remote control or use the **Menu** button on the front of the Rio Car Player. Select the **Radio** menu. Select **FM** or **AM**.
- To enter a specific radio station frequency, press **Search** on the remote control. This will bring up the **Frequency Input Box**.

Frequency
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Then enter the **Frequency** using the **Alphanumeric Keypad** on the remote control.

**NOTE:** Omit any decimal points as the Tuner Module will work them out for itself. For example, entering '1035' will automatically tune to '103.5'.

Press **Menu/OK** to confirm the selection and to tune to that frequency.

- To fine tune the radio station frequency, use the **Track Skip** buttons. Each short press of the buttons will fine tune the frequency in 0.2 MHz steps (0.1 MHz in the EU).
- To auto-scan for the next strong signal, press and hold the **Track Skip** button to tune in that direction.

## Presets

The Tuner Control has three banks (A-C) of ten presets (0-9). Presets can be named with up to eight (8) characters only. Any bank of presets can hold presets for both AM and FM stations.

- Move through the presets by pressing a number button on the remote control or using the **Track Skip** buttons.
- To skip through the three banks of presets, press and hold the **Tuner/Bank** button on the remote control or press the **Menu** button on the front of the Rio Car Player, go to the **Radio** menu, then **Bank**, and select **A**, **B** or **C**.
- To store a Preset:
  - Press and hold the **Menu/OK** button on the remote control.
  - Press the **Tuner/Bank** button to select the **Preset Bank** you want.
  - Select a **Preset Number**. This will bring up the **Preset Name Input Box**.

Name
Example FM1

- Enter a **Preset Name** using the **Alphanumeric Keypad** on the remote control.
- Press the **Menu/OK** button to confirm.

## WARNING

TO REDUCE THE CHANCE OF SHOCK OR INJURY, DO NOT USE OR OPERATE THIS DEVICE IN OR NEAR WATER OR WET LOCATIONS

## CAUTION

Be careful and attentive while driving. Stop operation of the player if you find it disruptive or distracting while operating any type of equipment. Listening to music at full power over extended periods of time can be damaging to the hearing of the user.

## FCC Statement

Changes or modifications not expressly approved by Sonicblue Inc. will void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial environment. 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.

## EU Declaration of Conformity

We: DIAMOND Multimedia Systems Vertriebs GmbH  
Moosstrasse 18b  
D-82319, Starnberg, Germany

On behalf of:  
SONIC | blue Incorporated  
2841 Mission College Blvd.  
Santa Clara, CA. 95054, U.S.A.

Hereby declare under our sole responsibility that the following product (s) conform to the requirements of the European Parliament Council Directive 1999/5/EC dated 9th March 1999. And to which this declaration is related the product (s) listed are in conformity with the following relevant harmonized European Standard(s) or other normative documents, the references of which have been published in the Official Journal of the European Communities / European Union.

Product (s):RIO FM Tuner

Harmonized Standards:  
EN 55013: 2000

Limits and methods of measurement for radio disturbance characteristics of Broadcast receivers and associated equipment. In accordance with the terms of Directives 1999/5/EC, 89/336/EEC, the original signed Declaration is retained by us in the product compliance folder. Upon request photocopies may be available.

Date: 02 June 2001  
Place: St. Ingbert, Germany  
Name of Authorizing Person: Scott Naccarato  
Regulatory Compliance Manager

CE

## Technical Support

### Telephone Hours of Operation

Mon.- Fri. 9:30am to 11:30pm UK GMT  
4:30am to 6:30pm EST  
1:30am to 3:30 US PST

### Telephone

United Kingdom 01223 576 123  
United States 1-877-259-5295 (Toll Free)  
International +44 1223 576 123

**Web** <http://www.riohome/products/riocar.htm>

### Email

General Inquiries [carinfo@riohome.com](mailto:carinfo@riohome.com)  
Sales Inquiries [carsales@riohome.com](mailto:carsales@riohome.com)  
After Sales Support [carsupport@riohome.com](mailto:carsupport@riohome.com)  
Bug Reporting [carbugs@riohome.com](mailto:carbugs@riohome.com)

### Fax

United Kingdom 01223 576 124  
International +44 1223 576 124