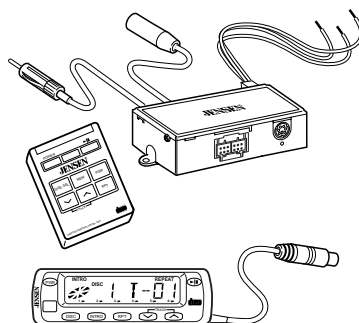




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How to Install and Operate the RF60U FM Stereo Modulator



Welcome!

What you're holding in your hands is no ordinary owner's manual. We've tried to make the instructions in this book clear and easy to follow.

For your Jensen FM stereo modulator to work right, it must be installed correctly. This manual will show you how to install your new FM stereo modulator like a pro. It's a good idea to read all of these instructions before you begin the installation. Most installations are straightforward and can be handled by a do-it-yourselfer with the right tools, patience, and the ability to follow instructions. But, do-it-yourself installation isn't for everyone. If you still don't feel confident after reading this book, consider turning the installation job over to someone better suited to it.

Warranty Service

If your Jensen FM stereo modulator should ever require service, you will need to have the original dated receipt. If you ever need to return the unit for any reason, always include the receipt with the product.



Technical Assistance

For technical assistance with the installation and operation of the RF60U, call 1-800-323-0221

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Installation

Before You Begin Installation

Before you begin, you will need tools, supplies and adapters. It is best to make sure you have everything you need before you begin.

The following items are included with the RF60U:

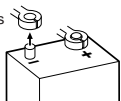
- Infrared (IR) remote control
- Wired remote controller
- FM modulator
- Velcro mounting strips
- Warranty card

Tools and Supplies Needed

- Hand tools
- Cordless drill/drill bit set
- 2 AA batteries for the infrared remote control

Disconnect Battery

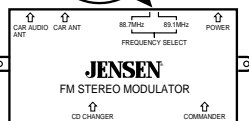
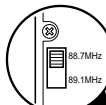
Before you begin, always disconnect the battery negative terminal.



Install FM Modulator

The FM Modulator creates FM signals and feeds them into the receiver through the antenna. The FM modulator works with all FM radios.

1. Find a location behind the dashboard near the receiver.
2. Disconnect the receiver antenna cable. Connect the FM Modulator antenna cables into the antenna cable and the antenna jack on the receiver.
3. Connect cable from the CD changer.
4. Connect the cable from the remote controller.
5. Connect the power and ground wires as indicated in the wiring connections.
6. Select the appropriate FM frequency. Select a frequency that no local radio stations are using.
7. Set the receiver (using a preset, if available) to receive the selected frequency.



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If wiring connections are made wrong, the unit will not operate properly and it could be damaged. Follow the installation instructions carefully, or have the installation handled by an experienced technician.

Wiring Diagram



Reconnect Battery



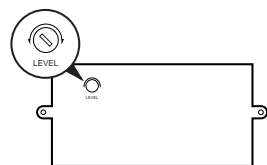
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FM Modulator Level Adjustment

The FM modulator level control is used to match the apparent volume settings between the FM tuner and the CD changer. The modulator output level is preset at the factory. Should it become necessary to adjust the output level, perform the following steps:

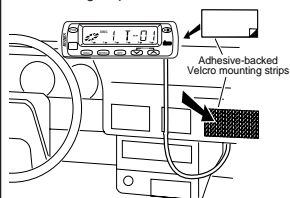
1. The modulator and CD changer must be installed and operating prior to making any level adjustments.
2. Turn the level control on the bottom of the modulator fully counterclockwise (turn fully left).
3. Turn the level control 1/4 turn at a time clockwise (right). Each time, check the volume difference between the FM tuner and the CD changer until the levels are matched.



Install Remote Controller

It is not necessary to permanently install the remote controller.

1. Find a convenient location for the remote controller.
2. Connect the remote controller cable to the FM modulator.
3. If desired, install the remote controller using adhesive-backed Velcro mounting strips.

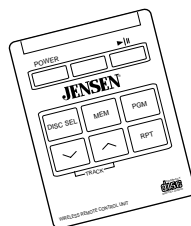
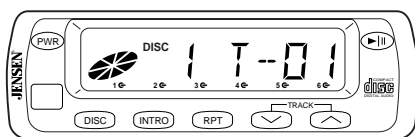




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Basic Operation



The compact disc changer connects to your radio receiver so it plays through your existing sound system.

Load up to six compact discs in the CD changer disc magazine.

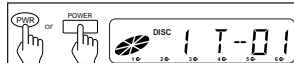
Turn on the vehicle's radio receiver and tune to 88.7 mHz or 89.1 mHz FM. The radio should be in stereo mode.

Play/Pause



Press **▶||** (Play/Pause) on the controller or the remote control to pause the disc play. The unit mutes during pause and "PAUS" appears in the display. Press again to resume disc play from the same track/location as before.

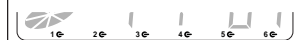
Power



Press **PWR** on the remote controller, or **POWER** on the infrared remote control to turn the changer on.

The display will indicate how many discs are loaded in the magazine.

The first track on disc number one (the



bottom disc in the magazine) will play. The compact disc changer plays all songs on a disc, then advances to the next disc in order (1-2-3-4-5-6).

Press **PWR** or **POWER** again to turn the changer off and return radio to normal operation.

Select Disc



Disc number

The magazine holds up to six compact discs, numbered 1 to 6 (starting at the bottom). Press **DISC** on the controller or **DISC SEL** on the remote control to select the next disc in order. The compact disc changer begins playing on track 1. The controller displays the current disc number (1-6). Disc 1 is the bottom of the magazine.

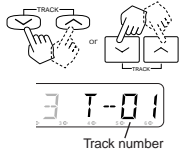
If you press **DISC** or **DISC SEL** while a disc is playing, the current disc stops immediately and the selected disc plays.



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Select Track



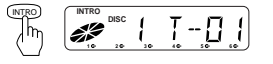
Use the **TRACK** or on the controller or the remote control to advance to the next track on the current disc.

Repeat Track



Press **RPT** on the controller or the remote control to select repeat operation. The compact disc changer plays the current track repeatedly. "REPEAT" appears on the display. Press **RPT** again to cancel repeat operation.

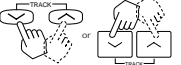
Intro



Press **INTRO** on the controller to select intro operation. The compact disc changer plays the first ten seconds of all tracks on the current disc. "INTRO" appears on the display. Press **INTRO** again to cancel intro operation and play the current track or disc.

Program CD Tracks

Use the program function on the remote control to select up to 32 tracks (from any disc, 1 through 6) to be played in the order you want.



To begin programming, press **TRACK** or to select the track to be programmed.

Press **MEM** (on the remote control) to enter the track into memory (track number will flash when **MEM** is pressed)

After all desired tracks are entered into memory, press the **PGM** button on the remote control to play CD's in programmed order.

To clear program from memory, CD magazine must be ejected from CD changer.

Note: CD tracks can only be programmed from the wireless remote control

Reset

The remote controller has a reset button located on the back of the unit.

Press **RESET** only when one of these conditions occur:

- The compact disc changer is first installed.
- There is an error in operation (E01 may appear on the controller display).
- Vehicle power is interrupted (as when replacing the battery).



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Troubleshooting

Problem	Cause	Correction
Disc is playing but there is no sound	Poor connections to FM modulator	Correct connections at modulator, CD changer, remote controller and receiver
	Bad ground on FM modulator	Locate and repair ground connection
	Fuse blown	Locate and replace fuse
	Receiver not tuned to correct station (88.7 or 89.1 FM)	Tune receiver
No display on remote control	Fuse blown	Locate and replace fuse
"E01" appears on remote control display	Abnormal disc change function	Press "RESET" (read instructions on page 6 before pressing RESET)
Can't find problem		Contact Jensen Technical Assistance (1-800-323-0221)



Specifications

Power supply	11 - 16 Vdc, negative ground
FM modulator frequencies	88.7Mhz/89.1Mhz
Weight (FM modulator and remote controller)	1 lb.
Dimensions: FM modulator	5" x 2.25" x 1.25" (W x H x D)
Remote controller	4.5" x 1.5" x .75" (W x H x D)

Specifications subject to change without notice.

Limited One Year Warranty-USA and Canada

Length of Warranty. This warranty from Recoton Audio Corporation shall be in effect for a period of one year from the date of the first consumer purchase.

Persons Protected. This warranty will be enforceable by the original owner and any subsequent owners during the warranty period so long as proof of date of purchase from an authorized Jensen dealer is presented whenever warranty service is required.

What is Covered. Except as otherwise specified below, this warranty covers all defects in material and workmanship in this product. The following are not covered: damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product; damage occurring during shipment (claims must be presented to the carrier); elimination of car static or other electrical interferences; any product purchased outside USA or Canada, or on which the serial number has been defaced, modified or removed.

How You Can Get Service.

U.S. Purchasers. Please telephone Jensen at 1-800-323-4815. We will either inform you of the name and address of an authorized Jensen repair station which will service the product or will advise you to send the product to a factory service center.

Canadian Purchasers. The product should be returned to the Jensen dealer from whom it was purchased and such dealer either will service or arrange for service of the product.

If shipment of the product is required, it should be packed securely. The original dated bill of sale must always be included with the product as proof of warranty coverage.

What We Will Pay For. We will pay for all labor and material expenses required to repair the product, but you must pay any labor costs for the removal and/or installation of the product. If the product is shipped for warranty service, you must prepay the initial shipping charges, but Jensen will pay the return shipping charges if the product is returned to an address inside the USA or Canada.

Limitation of Implied or Statutory Warranties and Conditions. All implied or statutory warranties and conditions, including warranties or conditions of merchantability, fitness for particular purposes and non-infringement, are limited in duration to the length of this warranty.

Exclusion of Certain Damages. Jensen's liability is limited to the repair or replacement, at our option, of any defective product and shall not include incidental or consequential economic damages of any kind.

Some states and/or provinces do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and province to province.



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