

RFX



am/fm cd players
AFX-8115/8120/8130/8140
operation & installation

Dear Customer,

Congratulations on your purchase of the world's finest brand of car audio source units. At Rockford Fosgate we are committed to musical reproduction at its best, and we are pleased you chose our product. Through years of engineering expertise, hand craftsmanship and critical testing procedures, we have created a wide range of products that reproduce music with all the clarity and richness you deserve.

For maximum performance we recommend you have your new Rockford Fosgate product installed by an Authorized Rockford Fosgate Dealer, as we provide specialized training through Rockford Technical Training Institute (RTTI). Please read your warranty and retain your receipt and original carton for possible future use.

To add the finishing touch to your new Rockford Fosgate image order your Rockford accessories, which include everything from T-shirts and jackets to hats and sunglasses.

To get a free brochure on Rockford Fosgate products and Rockford accessories, in the U.S. call 602-967-3565 or FAX 602-967-8132. For all other countries, call +001-602-967-3565 or FAX +001-602-967-8132.

PRACTICE SAFE SOUND™

CONTINUOUS EXPOSURE TO SOUND PRESSURE LEVELS OVER 100dB MAY CAUSE PERMANENT HEARING LOSS. HIGH POWERED AUTOSOUND SYSTEMS MAY PRODUCE SOUND PRESSURE LEVELS WELL OVER 130dB. USE COMMON SENSE AND PRACTICE SAFE SOUND.

If, after reading your manual, you still have questions regarding this product, we recommend that you see your Rockford Fosgate dealer. If you need further assistance, you can call us direct at 1-800-795-2385. Be sure to have your serial number, model number and date of purchase available when you call.

The serial number can be found on the outside of the box. Please record it in the space provided below as your permanent record. This will serve as verification of your factory warranty and may become useful in recovering your source unit if it is ever stolen.

Serial Number: _____

Model Number: _____

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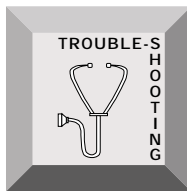
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GETTING STARTED

Welcome to Rockford Fosgate! This manual is designed to provide information for the owner, salesperson and installer. For those of you who want quick information on how to install this product, please turn to the **Installation Section** of this manual or refer to the icons listed below. Other information can be located by using the Table of Contents. We, at Rockford Fosgate, have worked very hard to make sure all the information in this manual is current. But, as we are constantly finding new ways to improve our product, this information is subject to change without notice.



Sections marked **INSTALLATION** include "slam dunk" wiring connections



Sections marked **TROUBLESHOOTING** include recommendations for curing installation problems

INTRODUCTION

Rockford Fosgate optimized *usable* features in the RFX source units for use in high performance car audio systems. The “world's best tuner,” a high performance CD player, and controls pioneered by Rockford Fosgate offer unmatched performance in the aftermarket world.

The following sections contain information on the features, installation, and operation for the 8115, 8120, 8130, and “competition” 8140 source units. The Technical Design Features section explains the features common to all four source units, as well as a chart listing features dependent on each model.

ACCESSORY PACK

RFX-8115

Installation & Operation Manual
(1) Mounting Sleeve
(1) Backstrap
(1) Left Chassis Release Key
(1) Right Chassis Release Key
(5) Mounting Screws
(m5 x 0.88mm x 4mm)
(1) Faceplate Case
(1) 8115 Power Harness (22-pin)
(1) 2-Channel RCA Harness (10-pin)

RFX-8120

Installation & Operation Manual
(1) Mounting Sleeve
(1) Backstrap
(1) Left Chassis Release Key
(1) Right Chassis Release Key
(5) Mounting Screws
(m5 x 0.88mm x 4mm)
(1) Faceplate Case
(1) Power Harness (22-pin)
(1) 4-Channel RCA Harness (10-pin)

RFX-8130

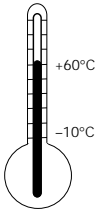
Installation & Operation Manual
(1) Mounting Sleeve
(1) Backstrap
(1) Left Chassis Release Key
(1) Right Chassis Release Key
(5) Mounting Screws
(m5 x 0.88mm x 4mm)
(1) Faceplate Case
(1) Power Harness (22-pin)
(1) 5-Channel RCA Harness (10-pin)
(1) IR Remote Control

RFX-8140

Installation & Operation Manual
(1) Mounting Sleeve
(1) Backstrap
(1) Left Chassis Release Key
(1) Right Chassis Release Key
(5) Mounting Screws
(m5 x 0.88mm x 4mm)
(1) Faceplate Case
(1) 8140 Power Harness (22-pin)
(1) 2-Channel RCA Harness (10-pin)
(1) 2-Channel BAL Harness (10-pin)
(1) IR Remote Control

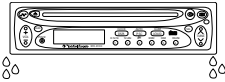
PRECAUTIONS

SOURCE UNIT & OPTIONAL CD CHANGER



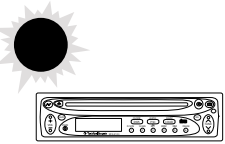
Operating Temperature

Be sure the temperature inside the vehicle is between -10°C and $+60^{\circ}\text{C}$ ($+14^{\circ}\text{F}$ and $+140^{\circ}\text{F}$). **DO NOT** play a disc if the temperature is higher or lower than the operating range.



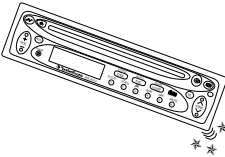
Moisture Condensation

The CD playback may waver due to condensation. If this occurs, remove the disc from the source unit and wait for approximately an hour for the moisture to evaporate.



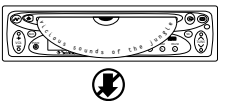
Environment Exposure

DO NOT expose the Source Unit or optional CD Changer to any of the following: direct sun and heat, high humidity, excessive dust, excessive vibration and rain or water.



Handling the Detachable Faceplate

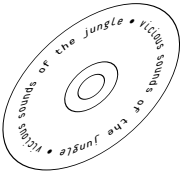
DO NOT drop or cause shock to the faceplate as serious damage may occur. Protect the faceplate by storing it in the supplied carrying case.



Avoid Mechanical Malfunction

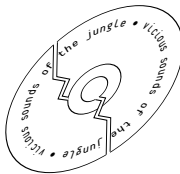
DO NOT grab a disc while it is being automatically loaded into the source unit. Doing this may cause serious damage to the source unit.

COMPACT DISCS



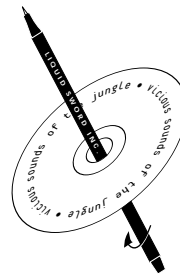
Disc Handling and Care

DO NOT touch the playing side (opposite of label side) of the disc. When handling the disc, only the outer edges or center hole of the disc should be touched. **DO NOT** affix any sticker or label on the disc. **DO NOT** apply vinyl record spray, anti-static agent, acetone, or any other volatile chemicals to the disc.



Damaged Disc

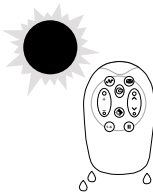
DO NOT play a cracked, warped or damaged disc. Doing this may cause serious damage to the playback mechanism.



New Discs

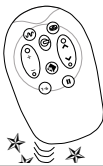
The CD player will eject discs that have either been inserted incorrectly or have irregular surfaces. If a new disc is ejected after loading, feel around the **outer edge** of the CD and its center hole. Any small burrs or irregularities could inhibit proper loading of the disc. To remove the burrs, rub the inside edge of the hole and outside edge of the disc with an object such as a ball point pen.

IR REMOTE (8115/8120 OPTION)



Environment Exposure

DO NOT expose the IR Remote to any of the following: direct sun and heat, high humidity and rain or water.



Handling the IR Remote

DO NOT drop or cause shock to the IR Remote as serious damage may occur.

FEATURE	RFX-8115	RFX-8120	RFX-8130	RFX-8140
General				
Detachable Faceplate	X	X	X	X
Any Button Wake-Up	X	X	X	X
SMART-On	X	X	X	X
Green/Amber Illumination		X	X	X
Green Illumination	X			
Illumination Dimmer		X	X	X
Clock	X	X	X	X
Display Recall	X	X	X	X
Default Display	X	X	X	X
Tuner				
AM/FM Stereo (6AM/18FM Presets)	X	X	X	X
Preset Scan	X	X	X	X
Auto Store	X	X	X	X
AM/FM Tune/Seek	X	X	X	X
AM/FM Scan	X	X		
Mute*	X	X	X	X
World Wide Tuner	X	X	X	X
Power Antenna			X	X
CD Player				
Next/Previous Track	X	X	X	X
Fast Forward/Reverse	X	X	X	X
Repeat	X	X	X	X
Random	X	X	X	X
Pause	X	X	X	X
Scan	X	X	X	X
Insert CD & Power Up	X	X	X	X
CD Changer Controller				
Next/Previous Track		X	X	X
Fast Forward/Reverse		X	X	X
Repeat		X	X	X
Random Track		X	X	X
Pause		X	X	X
Track Scan		X	X	X
Disc Scan		X	X	X
Audio				
Source Tone Memory		X	X	X
Switchable Loudness	X	X	X	X
Cell Phone Mute	X	X	X	X
Internal Amp	X	X	X	
Preamp Output	2-Ch RCA	4-Ch RCA	5-Ch RCA	2-Ch RCA or BAL
Adjustable Sub Level			X	
Preamp Output Voltage	2.4 Vrms	2.4 Vrms	2.4 Vrms	8.5 Vrms RCA 17 Vrms BAL
External Audio Input(s)			1	2
Signal Processor Loop				X
IR Remote Compatible				
Tuner Mode	X	X	X	X
CD Player Mode	X	X	X	X
CD Changer Mode	X	X	X	X
Volume Up/Dn	X	X	X	X
Track Seek Up/Dn	X	X	X	X
Tuner Preset Select	X	X	X	X
Any Button Wake-Up	X	X	X	X
◆ Pulse	X	X	X	X

* Accessible through IR Remote

TECHNICAL DESIGN FEATURES

TUNER

◆ Patented Tuner

The Source Units utilize a refined high performance tuner for providing unmatched tuning range. The tuner uses a patented Digital Automatic Alignment (a mini pre-programmed computer) to precisely target and “tune in” FM radio stations. The aftermarket standard is done by mechanical alignment which relies on not-so-precise tunable inductors to “get within the ballpark” of a radio station. The tuner is also refined with Dual FM Conversion and Dual AM Up-Convert schemes to create a tuner that is capable of receiving radio signals better.

THE RESULT: Absolutely the “world's best tuner”

◆ MIR Circuit

The MIR (**M**ultipath **I**nterference **R**ejection) Circuit improves audio performance under difficult reception conditions. The tuner slowly tapers from stereo to monaural when excessive static is produced due to poor radio reception in fringe areas. This feature is virtually undetectable by the listener due to its smooth transition from monaural back to stereo. The MIR circuit improves audio quality by reducing multipath effects in both weak and strong signal conditions.

THE RESULT: Improves audio performance when radio reception is poor

PREAMP/AMPLIFIER

◆ High Output Voltage/ Low Source Impedance

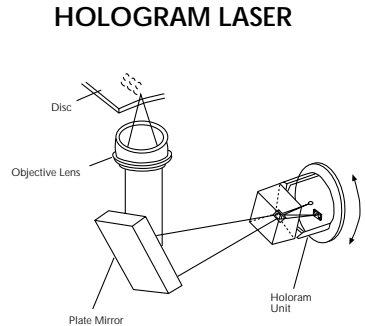
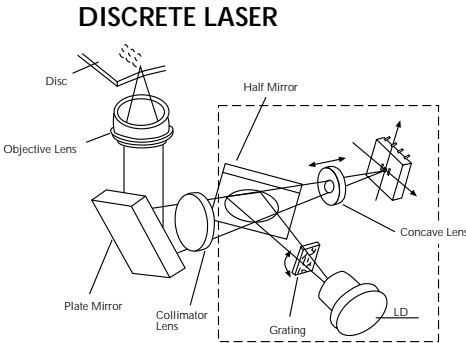
A high preamp output voltage allows a cleaner signal to be driven to the amplifier. A low source impedance (50Ω) enables the preamp to drive multiple amplifiers without signal loss. It is not enough to have only a high voltage output; to take full advantage of the extra voltage, a low source impedance is essential. These two features are an important combination for a preamp that truly delivers a *Punch!*

THE RESULT: Resists noise and enables multiple amplifiers to be driven without signal loss

CD PLAYER

◆ Hologram Laser w/multi-damping

The Rockford Fosgate CD Players feature high reliability and accuracy with the use of a Hologram Laser. The Hologram laser uses a sophisticated one-piece assembly versus conventional discrete type lasers that use several mechanical parts. In addition, the multi-damping system for the CD mechanism acts like rubber shock absorbers to prevent skipping under rough conditions.



THE RESULT: High reliability and tracking

◆ Dual 1 Bit D/A Converters with 8x Oversampling

The Digital to Analog (D/A) converter determines the sound quality of the source unit. 8x oversampling ensures the D/A conversion occurs at a frequency high enough so information from the digital conversion is not affected by noise. This enables the sound quality to remain the same as it was in the recording studio.

THE RESULT: Maintains sound quality of CDs

◆ Digital Servo Control w/Auto Focus

The Source Unit incorporates a Digital Servo Control to ensure accurate disc tracking for optimum CD playback. The Auto Focus feature actually adjusts the laser optics to manufacturing tolerances of CDs. Imagine a CD player that thinks for itself? That's why the faceplate says Rockford Fosgate!

THE RESULT: Adjusts to CD manufacturing tolerances for accurate tracking

CONTROLS/SECURITY

◆ Detachable Faceplate

No need to haul around a five pound source unit wherever you go. A Detachable Faceplate is a lot easier to remove and carry around with you. Just press the faceplate release button, drop the faceplate in its carrying case, and put it in your shirt pocket. Now, you're ready to roll. The Detachable Faceplate is a great deterrent to theft and helps to ensure your CD player is safe ...just make sure to remove it.

THE RESULT: Deters source unit theft

◆ SMART On (Outputs A & B)

The **SMART On (Sequentially Managed Accessory Remote Turn-On)** outputs supply sequential on/off auto power for external components. After the radio is powered on, output "A" will immediately supply turn-on voltage to its output. A half second later, output "B" supplies turn-on voltage to its output. After the radio is powered down, output "B" will immediately turn off, then a half second later, output "A" will turn off. The SMART On circuitry eliminates turn on/off transients for components with various power on/off cycles.

THE RESULT: Protects speakers and electronics from damaging transients

◆ Any Button Wake Up

The Any Button Wake Up feature allows the receiver to power-up by pressing any button on the faceplate or IR remote. If the receiver is manually powered down while ignition power is on, the receiver will "wake up" when any button on the faceplate is depressed. This allows the user to easily turn on the source unit while simultaneously demonstrating his/her street racing skills.

THE RESULT: Power-up the receiver without fumbling for the PWR button

◆ Source Tone Memory (RFX-8120/8130/8140)

The Source Tone Memory function memorizes the bass and treble setting between AM, FM, CD, CD Changer and External Audio modes. This enables the user to customize or compensate for the difference in sound between multiple source modes.

THE RESULT: Separate Bass and Treble memory for different modes

◆ Cell Phone Mute

The Cell Phone Mute feature automatically mutes the audio system when the in-car cellular phone rings. A sensor wire on the source unit detects a signal from the cell phone ringer and triggers audio mute function. No more missed calls from the office or "significant other" when cranking up your audio system to escape the pressures of life.



THE RESULT: Never miss a phone call while listening to your system

◆ IR Remote Compatible (Remote available separately for RFX-8115/8120)

The source unit can be controlled through the use of an IR Remote Control (RFX-1110). The infrared receiver eye, located inside the anti-theft faceplate, accepts infrared encoded data from the remote control. This feature allows various functions of the Tuner, CD Player and CD Changer to be conveniently operated which will not only impress your friends but also your favorite car audio judge.

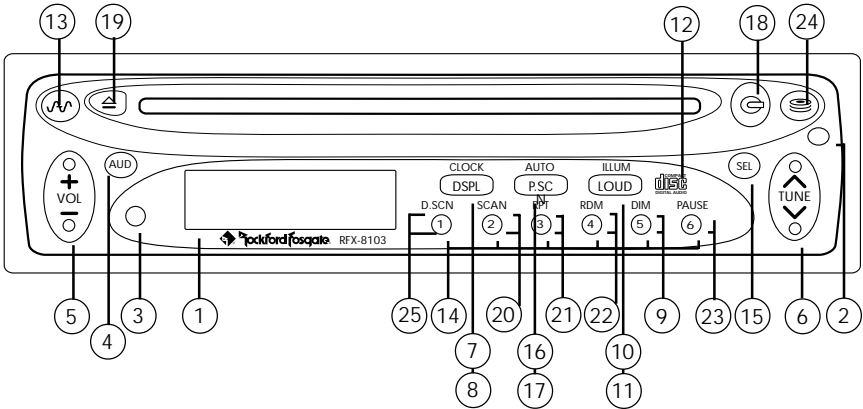
THE RESULT: Ability to operate functions via remote control

◆ ◆ Pulse

The  Pulse provides a momentary +12V to "Output C" of the source unit. The  Pulse is accessible through the "Diamond R" button on the IR Remote Control (RFX-1110). This function enables the user to switch on or off additional components connected to the system.

THE RESULT: Ability to trigger amp racks, neon lights, etc. via remote control

SOURCE UNIT DESIGN FEATURES

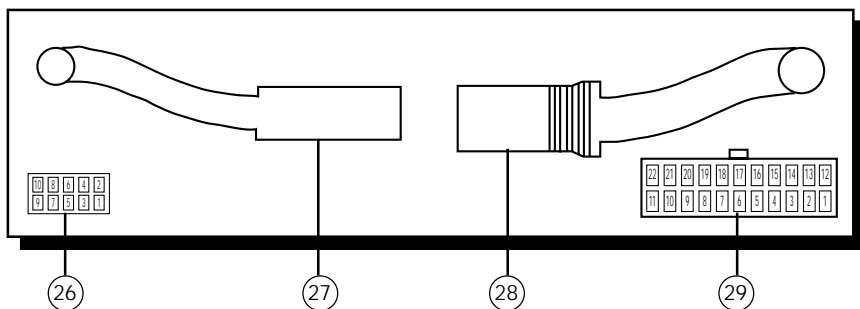


1. **LC Display** – The positive image LCD (Liquid Crystal Display) contains visual indicators for the operation of Tuner, CD Player, CD Changer* and IR Remote.
2. **Release Button** – Pressing the Release button will detach the faceplate from the main housing for theft prevention.
3. **PWR Button** – The PWR (power) button turns power on and off for the source unit.
4. **AUD Button** – The AUD (audio adjustment) button cycles through Bass, Treble, Fade*, Balance, Sub*, and Volume controls.
5. **VOL +/- Rocker** – The VOL +/- (volume up/down) rocker adjusts the audio level of the Bass, Treble, Fade*, Balance, Sub*, and Volume.
6. **TUNE ^v Rocker** – The TUNE ^v (tune up/down) rocker selects radio frequencies when in tuner mode and selects CD tracks when in CD mode.
7. **CLOCK Button** – The CLOCK button controls the functions of the 12 hour time-of-day clock.
8. **DSPL Button** – The DSPL (display) button allows the LCD to toggle between functions of the Clock, Tuner, CD Player or CD Changer.
9. ***DIM Button** – Pressing the DIM (dimmer) button (in conjunction with another function explained in Operations section) will adjust the intensity of the backlighting display.
10. ***ILLUM Button** – The ILLUM (illumination) button allows the display to toggle between amber and green.

* Feature available on select models.

11. **LOUD Button** – The LOUD (loudness) button enables the bass response to be boosted at low listening levels.
12. **IR Eye** – The IR (infrared receiver) Eye accepts infrared encoded data from the IR Remote Control. (IR Remote Control is available separately for the RFX-8115/8120.)
13. **Sine Wave Button** – The SINE WAVE (tuner) button switches the source unit to Tuner (AM/FM) Mode.
14. **1-2-3-4-5-6 Buttons** – The 1-2-3-4-5-6 (channel preset) buttons select radio frequencies stored in presets #1 through #6 of the tuner.
15. **SEL Button** – The SEL (select) button cycles through Seek, Tune and Scan functions of the Tuner (8115/8120) or selects the external Audio Inputs (8130/8140).
16. **AUTO Button** – The AUTO (auto store) button allows a new group of tuner stations to be temporarily programmed in memory for traveling purposes.
17. **P.SCN Button** – The P.SCN (preset scan) button will scan and play each preset tuner frequency for approximately 5 seconds each.
18. **CD Player Button** – The CD PLAYER (single disc) button switches the receiver to CD player mode if a disc has been previously loaded into the housing.
19. **CD Eject Button** – Pressing the EJECT button will eject the CD and re-initialize Tuner Mode.
20. **SCAN Button** – Pressing the SCAN button will cycle and play each track in the CD Player for 10 seconds.
21. **RPT Button** – Pressing the RPT (repeat play) button will replay the current track when in CD Player mode and current track/disc when in CD Changer* mode.
22. **RDM Button** – Pressing the RDM (random play) button will randomly select and play tracks when in CD player mode and randomly select discs/tracks when in CD Changer* mode.
23. **Pause Button** – Pressing the Pause button will pause the current playing CD track and reduce the volume to minimum.
24. ***CDX Button** – The CDX (stack of discs) button selects operation of an optional Rockford Fosgate CD Changer.
25. ***D.SCN Button** – Pressing the D.SCN button (disc scan) will play the first track of each CD in the CD Changer for 10 seconds, after which the first CD will begin playing.

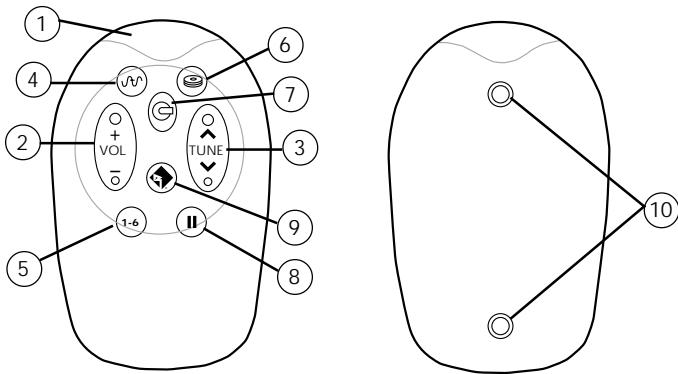
** Feature available on select models.*



26. **10 Pin Connector** – The 10 Pin Connector (pre-amp output) is used for the connection of external amplifiers. (External Audio for 8140)
27. **Antenna Connector** – The Antenna Connector is a pigtail socket used for connection of a standard male JASCO coaxial connector for RF (radio frequency) input.
28. ***13 Pin Din Connector** – The 13 Pin Din Connector (CDX cable) provides an easy connection for an optional Rockford Fosgate CD Changer or External Audio Input*.
29. **22 Pin Connector** – The 22 Pin Connector (power harness) is used for battery, power, speaker*, accessory wire, and processor* connections.

** Feature available on select models.*

IR REMOTE DESIGN FEATURES (RFX-8115/8120 option)



1. **IR Remote Control** – The IR Remote Control transmits infrared encoded data to the receiver eye. The IR Remote has a range of 15 feet and is capable of transmitting through tinted auto glass.
2. **Volume +/- Rocker** – The VOLUME +/- (volume up/down) rocker adjusts the audio level.
3. **Tune ^v Rocker** – The TUNE ^v (tune up/down) rocker selects radio frequency bands when in tuner mode and selects CD tracks when in CD player mode.
4. **Sine Wave Button** – The SINE WAVE (tuner) button switches the source unit to Tuner (AM/FM) Mode.
5. **1-6 Button** – The 1-6 (channel preset) button selects radio frequencies stored in presets #1 through #6 of the tuner.
6. **CDX Button** – The CDX (stack of discs) button selects the operation of an optional Rockford Fosgate CD Changer.
7. **CD Player Button** – The CD PLAYER (single disc) button switches the source unit to CD player mode if a disc has been previously loaded into the housing.
8. **II Button** – Pressing the II (pause) button will pause the current playing CD track in CD mode or mute the radio when in tuner mode.
9. **“Diamond R” Button** – Pressing the “DIAMOND R” button provides a momentary +12V to “Output C” of the source unit.
10. **Battery Housing** – The Battery Housing holds batteries for the remote control power source.

INSTALLATION CONSIDERATIONS

The following is a list of tools you will need for installing your Source Unit:

Volt/Ohm Meter	#2 Phillips screwdriver
Wire strippers	Battery post wrench
Wire crimpers	Soldering iron
Wire cutters	Solder
1/8" diameter heatshrink tubing	Heat gun

This section focuses on some of the vehicle considerations for installing your new Source Unit. Pre-planning your system layout and best wiring routes will save installation time. When deciding on the layout of your new system, be sure that each component will be easily accessible for making adjustments.

Before beginning any installation, be sure to follow these simple rules:

1. Be sure to carefully read and understand the instructions before attempting to install the Source Unit.
2. **For safety**, disconnect the negative lead from the battery prior to beginning the installation.
3. For easier assembly, we suggest you run all wires prior to mounting your Source Unit in place.
4. Route all of the RCA cables close together and away from any high current wires.
5. Use high quality connectors for a reliable installation and to minimize signal or power loss.
6. **Think before you drill!** Be careful not to cut or drill into gas tanks, fuel lines, brake or hydraulic lines, vacuum lines or electrical wiring when working on any vehicle.
7. Never run wires underneath the vehicle. Running the wires inside the vehicle provides the best protection.
8. Avoid running wires over or through sharp edges. Use rubber or plastic grommets to protect any wires routed through metal, especially the firewall.
9. **ALWAYS** protect the battery and electrical system from damage with proper fusing. Install the appropriate fuseholder and fuse on the +12V power wire within 18" (45.7 cm) of the battery terminal.
10. When grounding to the chassis of the vehicle, scrape all paint from the metal to ensure a good, clean ground connection. Grounding connections should be as short as possible and always be connected to metal that is welded to the main body, or chassis, of the vehicle.

SOURCE UNIT MOUNTING LOCATIONS

The mounting position of your source unit will have a great effect on the performance of your CD Player. The source unit can be installed in a wide range of operating locations. However, care should be taken to ensure optimum performance.

Engine Compartment

Mounting the source unit in the engine compartment will **void your warranty**. The only thing that should be mounted in the engine compartment is that big metal thing that makes the vehicle go fast.

Instrument Panel

Mounting the source unit in the **instrument panel provides optimum access**. The source unit should be securely mounted using the "Standard Mount" or "ISO Mount" method to ensure optimum CD Player performance.

Center Console

Mounting the source unit in the **center console provides optimum access**. Be sure the installation does not interfere with the operation of the gear shift or parking brake. **The source unit should have a mounting angle within $\pm 20^\circ$ from horizontal.**

Glove Box

Mounting the source unit in the **glove box is adequate**, but does not provide easy access. Glove box mounting should only be done if "Instrument Panel" or "Center Console," mounting is not acceptable (i.e., maintaining integrity of older vehicles with metal dashboards.) **The source unit should be mounted within $\pm 20^\circ$ from horizontal.**

Under Dash

Mounting the source unit **under the dash is adequate**, but does not provide easy access. Under dash mounting should only be done if "Instrument Panel," "Center Console" or "Glove Box" mounting is not acceptable. Mount the source unit off to the side of the driver's area to reduce interference with the parking brake, gear shift, or operating pedals. **The source unit should be mounted within $\pm 20^\circ$ from horizontal.**

WIRING THE SYSTEM

NOTICE: If you do not feel comfortable with wiring your new source unit, please see your local Authorized Rockford Fosgate Dealer for assistance.

- **For safety**, disconnect the negative lead from the battery prior to beginning the installation.
1. **Install the 22-Pin/Power Harness** by connecting the corresponding wires to the electrical and audio system. Solder and heat shrink all connections for a reliable installation. For each connection, cut a 1" piece of heat shrink tubing and slide over one of the wires. Strip each wire 3/8" then twist together and solder. Slide the tubing over the connection and shrink the tubing with a hot air gun until no bare wire is exposed.

The BLACK Wire (Chassis Ground) supplies power ground for the source unit. Prepare the chassis ground by scraping any paint from the metal surface and thoroughly clean the area of all dirt and grease. Strip the end of the wire and attach a ring connector. Fasten the wire to the chassis using a non-anodized screw and star washer.

The RED Wire (Ignition) allows the source unit to turn on only when the ignition key is in the "accessory" or "run" position. Connect the RED wire to a *switched 12 volt positive source*. The switched signal is usually taken from the ACC (accessory) position of the ignition. If the vehicle does not have an ACC position, connect the wire to the switched ON position of the ignition. The current consumption through this wire is negligible.

The YELLOW Wire (Battery) is the main power wire and retains memory for user-programmed functions. Connect the Yellow wire to a *constant 12 volt positive source*. The source should always have +12V, even when the ignition is off and the car is not running.

The LT. BLUE Wire (Turn-On "A") is the primary accessory turn-on wire which provides immediate turn-on and .5 sec delayed turn-off. Connect the Lt. Blue wire to the "Remote Turn-On" leads of any external equalizers or crossovers which cause on/off transients (pops or thumps) in the system. The maximum current available from this lead is 2 Amps.

The BLUE/WHITE (Turn-On "B") is the secondary accessory turn-on wire which provides a .5 sec delayed turn-on and immediate turn-off. Connect the Blue/White wire to the "Remote Turn-On" leads of the amplifiers. The maximum current available from this lead is 300mA.

The BLUE/RED Wire (Turn-On "C") is the pulsed 500ms output accessible through the "Diamond R" button on the IR Remote. Connect the Blue/Red wire to a latching relay or circuit which will be used to turn on and off accessories such as neon lights, amp racks, etc. The maximum current available from this lead is 300mA.

The BROWN Wire (Audio Mute) mutes the audio for cellular phone use. Most cellular phones provide an output which is used to beep-beep the vehicle's horn or mute the audio system. Connect the Brown wire to the cellular phone's "-" output. If the cellular phone is a "+" trigger output, use a relay to "chassis ground" the Brown wire.

***The GREEN/WHITE Wire (External Audio Control) triggers the selection of the External Audio Input (External Audio Input #2 for 8140).** Connect the Green/White wire to a relay or switch that will provide a constant "chassis ground" when selected. The External audio Input will continue to override all other functions (Tuner, CD, CD Changer) for the duration that the Green/White wire is connected to "chassis ground."

NOTE: Since the External Audio Input and the CD Changer use the same 13-pin DIN connector, only one component can be supported at a time.

***The ORANGE Wire (Dimmer) is used for the source unit's illumination dimmer.** Connect the Orange wire to the "parking light" or a switched 12 volt positive source. The current consumption through this wire is negligible. Refer to the "Basic Operation" section of this manual for further information.

** Feature available on select models.*

***The ORANGE/WHITE Wire (External Dimmer) allows the source unit to control the illumination level of compatible Rockford Fosgate components.** Connect the Orange/White wire to the dimmer input (typically orange wire) of the additional Rockford Fosgate component.

CAUTION! The Orange/White wire uses Pulse Width Modulation (not rheostat design) to control the level of illumination for RF components only.

***The BLUE Wire (Power Antenna) is used to control only fully automatic antennas.** Since the antenna is specially controlled throughout the different operating conditions of the source unit, it is recommended to use the Blue wire from the source unit instead of the factory power antenna control wire. If this is desired, disconnect the "+" control lead from the power antenna and heatshrink it to prevent it from shorting out. Then connect the Blue wire to the "+" control lead of the power antenna.

***The Signal Processor Loop is used to insert a signal processor before the volume control on the source unit.** The **GREEN** marked RCAs are the SPL input – the output of the signal processor should connect to these inputs. The **GRAY** marked RCAs are the SPL output – the input of the signal processor should connect to these outputs.

2. ***Connect the Speaker Wires** (if external amplifiers are not used) to the corresponding speaker leads by soldering and heat shrinking all connections for a reliable installation. If only one pair of speakers is utilized in the system, use only the FRONT speaker leads and heat shrink the unused REAR leads to prevent from shorting out. Be sure to maintain speaker polarity. **DO NOT chassis ground any speaker leads as unstable operation may result.**
3. **Take a break!** You deserve a nice cold one after wiring that 22-pin harness.

** Feature available on select models.*

4. **Install the Preamp Harness** (if external amplifiers will be used) by plugging the RCA/Balanced cable(s) into the corresponding output jacks from the source unit. Be sure to route the signal level cables away from any high current wires to prevent coupling noise from radiated electrical fields into the audio signal.

The **GREEN** marked RCAs connect to the **Front speaker's amplifier**.

The **GRAY** marked RCAs connect to the **Rear speaker's amplifier**.

The **RED** marked RCAs connect to the **Subwoofer amplifier**.

5. **Connect the Antenna** by plugging the antenna cable into the connector located at the rear of the source unit. Be sure the antenna is securely grounded to the vehicle for proper radio reception.

6. ***Connect the 13-pin DIN**
Optional CD Changer. Connect the CD Changer's CDX cable to the 13-pin DIN located at the rear of the source unit. Be sure to route the CD cable away from any high current wires to prevent coupling noise from radiated electrical fields into the audio signal.

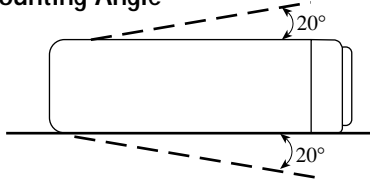
* **External Audio Input.** Connect the component used for the external audio source to the corresponding terminals of the 13-pin DIN located at the rear of the source unit (refer to the *Installation Reference Sheet* for the pin-out of the 13-pin DIN). Be sure to route the signal cables away from any high current wires to prevent coupling noise from radiated electrical fields into the audio signal.

* *Feature available on select models.*

SOURCE UNIT INSTALLATION



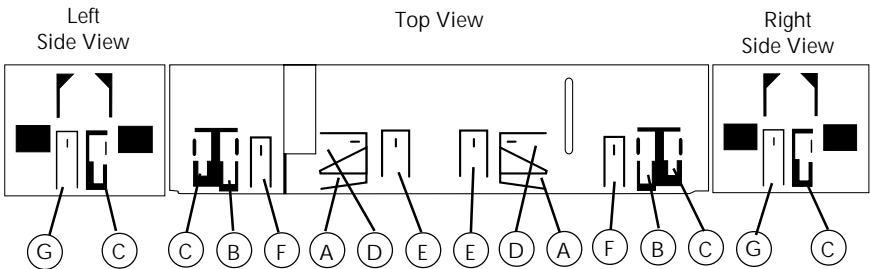
Source Unit Mounting Angle



- **Mount the Source Unit** as close to horizontal as possible for optimum CD Player performance
- **Mounting Angles** up to $\pm 20^\circ$ from horizontal can be accommodated

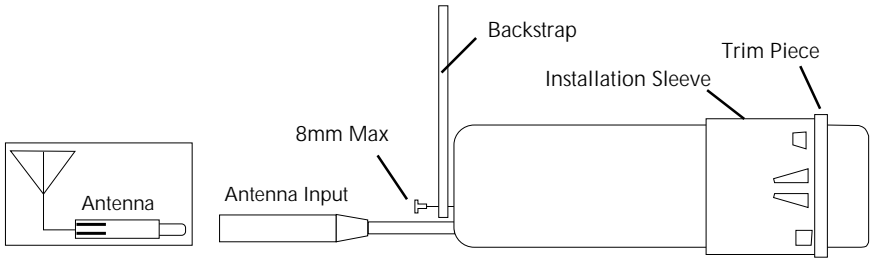
Mounting the Installation Sleeve

Instrument Panel Thickness	Tabs to Bend						
	A	B	C	D	E	F	G
1.2mm to 2.5mm	x					x	x
2.4mm to 3.5mm		x				x	x
3.6mm to 4.5mm						x	x
4.6mm to 5.5mm			x			x	x
5.6mm to 7.0mm						x	x
7.0mm to 12mm				x		x	x
12.0mm to 15mm					x		x



- **Mount the Installation Sleeve** into a secure instrument panel
- **Bend Tabs** on the installation sleeve which correspond to the chart above
- **Bend Appropriate Tabs** on all sides of the mounting sleeve (Top, Bottom, Left & Right)

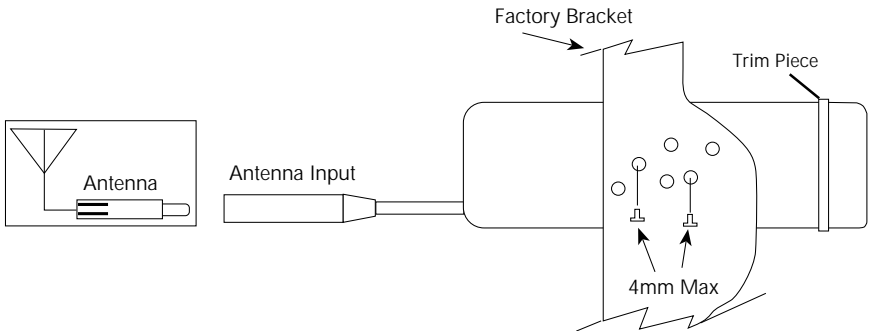
Installing the Source Unit – Standard Mount



CAUTION: Installation sleeve should be installed using the appropriate tabs (refer to page 19)

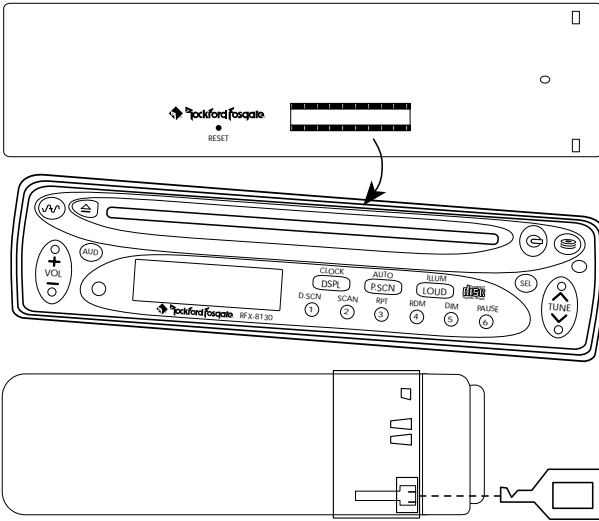
- **Install Source Unit** by sliding unit into installation sleeve until it clicks into place
- **Mount Backstrap** securely behind the instrument panel to prevent source unit vibration
- **Backstrap Screw** should be *8mm max* (use supplied screw)
- **Connect Antenna** to antenna jack on rear of source unit
- **Antenna Ground** should read *less than 0.05Ω* between antenna and chassis ground

Installing the Source Unit – ISO Mount



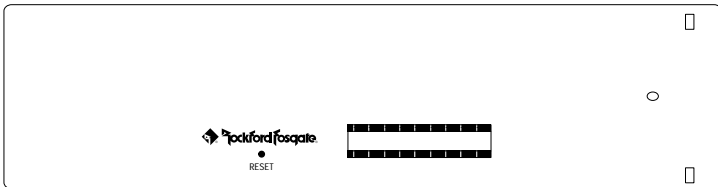
- **Remove Trim Piece and Installation Sleeve** from source unit
- **Factory Bracket** should align with *two mounting holes* on each side of source unit
- **ISO Screws** should be *8mm max* (use supplied screw)
- **Connect Antenna** to antenna jack on rear of source unit
- **Antenna Ground** should read *less than 0.05Ω* between antenna and chassis ground
- **Install Source Unit** into instrument panel
- **Replace Trim Piece** on source unit if needed

Un-installing the Source Unit – Standard Mount



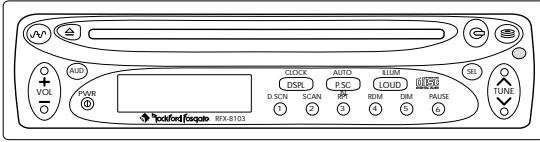
- **Remove Faceplate and Trim Piece** from source unit to *access chassis release holes*
- **Disconnect Backstrap** from rear of radio (if used)
- **Insert Release Keys** into left and right sides of source unit to disengage locks
- **Remove Source Unit** from installation sleeve with release keys

Reset Button



- **Press Reset Button** if source unit gets jammed during operation

BASIC OPERATION



DETACHABLE FACEPLATE



Removing the Faceplate

1. Press the Release button to release the faceplate from the main housing.
2. Grasp the right side of the faceplate and pull it out.

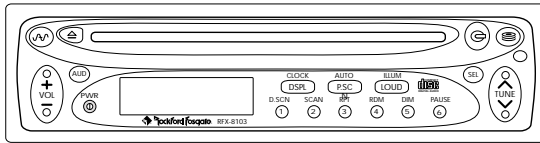
Installing the Faceplate

1. Insert the left side of the faceplate into the main housing.
2. Push the right side of the faceplate until it locks firmly into place.

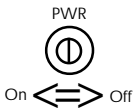
Considerations

Make sure there is no dirt or dust on the connector terminals and no foreign objects between the front panel and the main housing.

NOTE: To prevent damage to the faceplate, protect it by storing it in the supplied carrying case.



POWER SWITCH



Power On/Off

Press the PWR button to turn the source unit on and off. This switch has operating priority over all other switches.

“Wake Up” Feature

Pressing any button except for the DSPL and EJECT buttons will turn the source unit on if it has been previously powered off.

Display

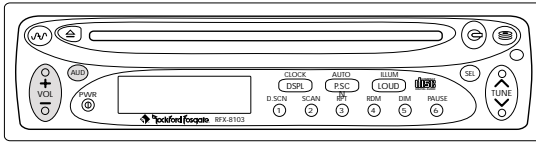
The display will turn on whenever ignition voltage is applied, without regard to the radio power switch. If the ignition power is on, and radio is off, only the clock will be displayed.

Considerations

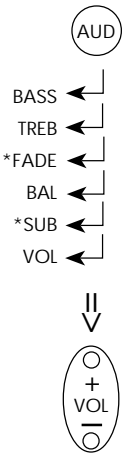
Removing the faceplate will turn the unit off.

Initial Power-Up Defaults

Preset Scan	Off
Auto Store	Off
CD Random Mode	Off
CD Repeat Mode	Off
CD Disc Scan	Off
CD Scan	Off
Loudness	On
Backlighting Color	Green
Backlighting Dim Level	4 (max)
Volume Level	10
Default Display	Clock
CD Mode Default Display	Track# & Elapsed Time
Frequency Range	Americas



BASS>TREBLE>FADE>BALANCE>SUB>VOLUME



Audio Adjustment

1. Press the AUD button to cycle the radio through BASS>TREB>FADE*>BAL>SUB*>VOL. Volume is always the default audio adjustment.
2. Press the VOL (+) rocker to increase the selection.
3. Press the VOL (-) rocker to decrease the selection.

Display

The display will indicate the selected function and the corresponding level.

Function	Display	Range	Default
Volume:	Vol	0 to 38	10
Bass:	Bass	-8 to +8	0
Treble:	Treb	-8 to +8	0
* Fade:	Fade	B15 to F15	0
Balance:	Bal	L15 to R15	0
* Subwoofer:	Sub	0 to 32	32

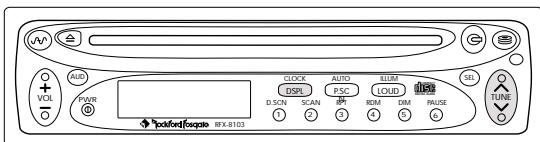
After five seconds of Bass, Treble, Balance, Fader, or Subwoofer, the display will revert to its default (Tuner/CD or Clock).

Considerations

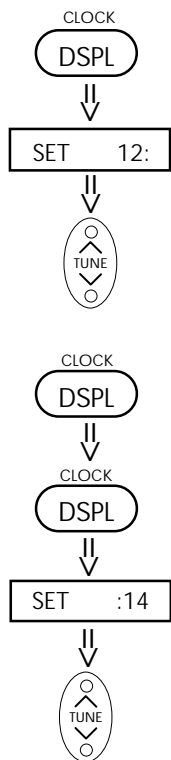
Separate Bass and Treble settings are retained for AM, FM, CD Player, CD Changer and External Audio* Modes.

After five seconds of Bass, Treble, Fader, Balance or Subwoofer, the +/- rocker will revert to volume adjustment. Any tuner function will cancel the selected audio adjustment mode and default the +/- rocker to volume adjustment.

**Feature available on select models*



CLOCK OPERATION



Set the Clock Hours

1. Press and hold the CLOCK (DSPL) button for two seconds. The display will indicate "SET" and the hour digit(s) will flash.
2. Press the up arrow (^) to increase hours.
3. Press the down arrow (v) to decrease hours.

Set the Clock Minutes

1. Push the Clock (DSPL) button a second time. The minute digits will begin to flash.
2. Press the up arrow (^) to increase minutes.
3. Press the down arrow (v) to decrease minutes. The seconds will automatically reset to zero.

Display

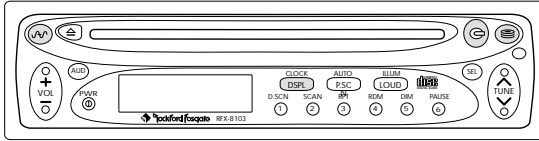
On initial power-up, the clock will indicate 1:00. The clock is displayed when the radio is off and ignition voltage is on.

Considerations

Momentarily pushing the Clock (DSPL) button while in Clock mode will toggle between hours and minutes.

After five seconds, the Clock function will time out and revert to its default display (Tuner/CD or Clock). Pushing any button except the Clock and PRESET 5 will cancel this mode before the five second time out. In addition, PRESET 6 will not cancel time set mode if the radio is turned off.

The clock may be set with the ignition on and radio power on or off.



DISPLAY RECALL



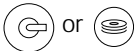
CLOCK



100.3



12:14



CLOCK



T2 1:34



12:14

EX AUD



CLOCK



EX AUD



12:14

Tuner Mode Display Recall

Press the DSPL (display) button to toggle the display between Tuner frequency and Clock.

CD/CDX Mode Display Recall

Press the DSPL (display) button to toggle the display between CD/CDX and Clock.

*External Audio Mode Display Recall

In External Audio Mode, press the DSPL (display) button to toggle the display between EX AUD and Clock.

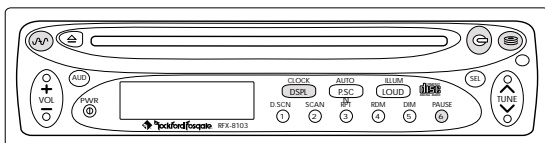
Ignition Off Display Recall

With ignition off, press the DSPL (display) button to display the Clock for five seconds.

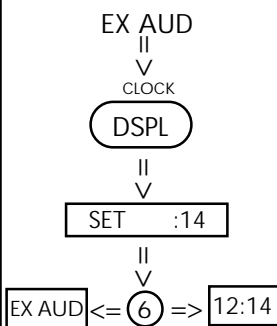
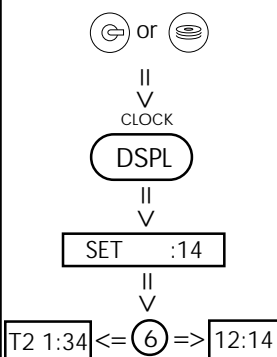
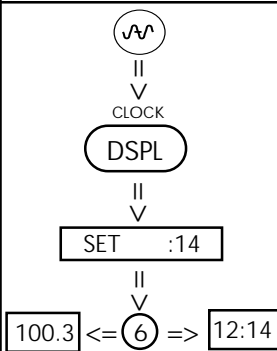
Considerations

After five seconds, the display will revert to its default.

**Feature available on select models*



DEFAULT DISPLAY



Operation

The display can be set to default to the operating mode (Tuner, CD Player, CD Changer, External Audio) or Clock.

Set Tuner Mode Default Display

1. Press the SINE WAVE (Tuner) button to select Tuner mode.
2. Press and hold the DSPL (display) button for two seconds to enter Clock mode.
3. Press PRESET 6 to select Tuner Frequency or Clock.

Set CD Player/Changer Mode Default Display

1. Press the CD Player/Changer button to select CD Player/Changer mode.
2. Press and hold the DSPL (display) button for two seconds to enter Clock mode.
3. Press PRESET 6 to select Track # & Elapsed Time or Clock.

*Set External Audio Default Display

1. Select the External Audio Input mode.
2. Press and hold the DSPL (display) button for two seconds to enter Clock mode.
3. Press PRESET 6 to select EX AUD or Clock.

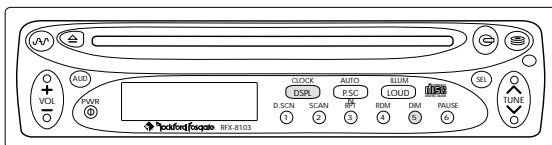
Considerations

After five seconds, the new default display will appear.

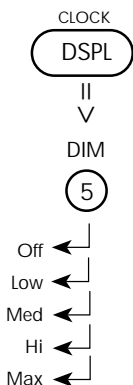
Initial Power Up Defaults

Operating Mode	Default Display
Ignition Off	Clock
Tuner Mode	Clock
CD Player Mode	Track # & Elapsed Time
CD Changer Mode	Disc #, Track # & Elapsed Time
Ex. Audio Mode	Clock

*Feature available on select models



* ILLUMINATION DIMMER



Operation

The backlight illumination is turned on by applying +12 volts to the Dimmer input (orange wire) at the rear of the source unit.

Dimmer Program

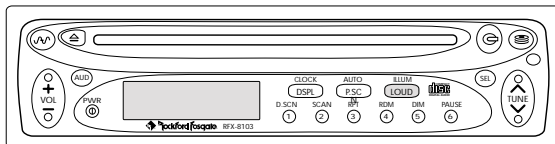
1. Press and hold the DSPL button for two seconds.
2. Press the DIM (PRESET 5) button to adjust the intensity from 0 (off) to 4 (max).

Considerations

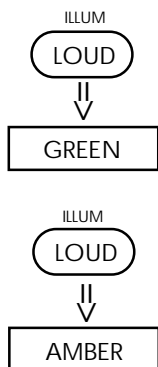
Once 4 is reached, the intensity setting will start over at 0.

Initial Power Up Defaults

On initial power-up, the backlight Dim Level will default to 4 (max.).



* ILLUMINATION COLOR

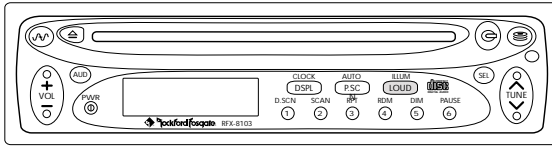


Change Color

1. Press and hold the ILLUM (LOUD) button for two seconds to toggle between Green and Amber back-light color.
2. Press and hold the ILLUM (LOUD) button again for two seconds to change to the previous color.

Initial Power-Up Defaults

On initial power-up, the display and buttons will be backlit Green.



LOUDNESS CONTROL

ILLUM

LOUD



LD

Loudness On/Off

1. Press the LOUD button to enable the loudness feature.
2. Press the LOUD button a second time to disable the loudness feature.

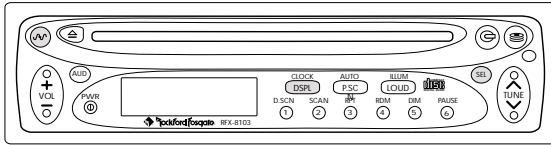
Display

When the loudness feature is enabled, "LD" will be indicated on the display.

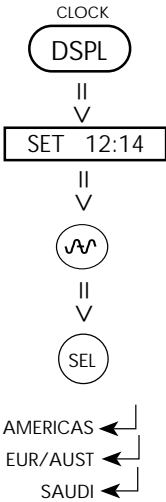
Initial Power-Up Defaults

On initial power-up, the Loudness function will default to On.

TUNER OPERATION



* WORLD WIDE TUNER



Operation

The frequency band on the tuner can be programmed to conform with different country codes (except Japan).

Set Programmable Frequency Band

1. Press and hold the DSPL (display) button for two seconds to enter Clock mode
2. Press the SINE WAVE (tuner) button
3. Press the SEL (select) button to cycle through each country

AMERICAS AM=530 – 1710 kHz @ 10kHz spacing
FM=87.75–107.9 MHz @ 200kHz spacing

EUR/AUST AM= 522–1620kHz @ 9kHz spacing
FM=87.5–108.0MHz @ 100kHz spacing

SAUDI AM=531-1602kHz @ 9kHz spacing
FM=87.5-108.0MHz @ 100kHz spacing

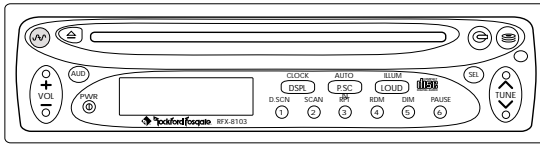
Considerations

The frequency can be programmed with the radio power on or off.

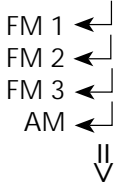
Initial Power-Up Defaults

Frequency BandAmericas

**Feature available on select models*



TUNER MODE



FM 1
TUNE 100.3

Tuner Select

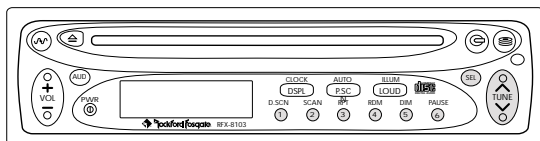
1. Press the SINE WAVE (tuner) button to select the radio tuner and go to the last active band.
2. Consecutive pressing of the SINE WAVE (tuner) button cycles the radio through FM1, FM2, FM3 and AM.

Display

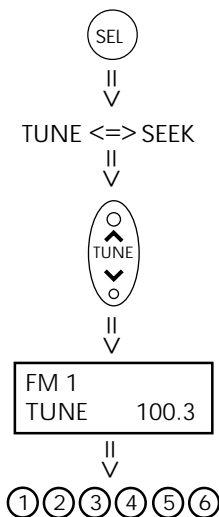
The display will indicate "TUNE," station frequency, and band indicator for five seconds. After five seconds, the display will switch to its default (Tuner or Clock).

Initial Power-Up Defaults – Americas

	Preset 1	Preset 2	Preset 3	Preset 4	Preset 5	Preset 6
FM1 (MHz)	87.75	88.1	98.1	96.3	107.9	103.7
FM2 (MHz)	87.75	88.1	98.1	96.3	107.9	103.7
FM3 (MHz)	87.75	88.1	98.1	96.3	107.9	103.7
AM (kHz)	530	600	1000	1400	1710	1070



TUNER PRESETS



Operation

There are 24 total presets available for storing tuner frequencies:

AM = 6 presets

FM1 = 6 presets

FM2 = 6 presets

FM3 = 6 presets

Station Storing

1. Tune to the station to be stored using the manual Tune or Seek methods.
2. Press and hold the desired PRESET button for at least two seconds to store the selected station.

Preset Recall

Pressing one of the 1-2-3-4-5-6 (channel preset) buttons will recall radio frequency stored in that preset.

Display

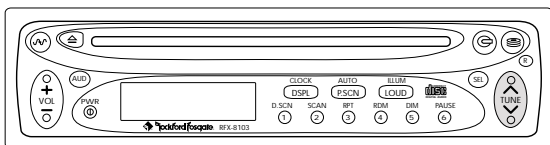
The display will indicate "TUNE," station frequency, band indicator and channel preset for five seconds. After five seconds, the display will switch to its default (Tuner or Clock).

Considerations

The audio will mute during the station store mode.

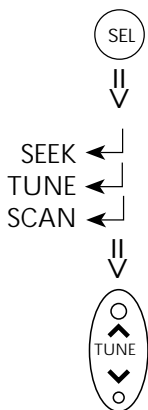
Pressing any PRESET button and releasing it within 2 seconds will tune the radio to the channel previously stored in that preset.

The PRESET buttons assume different functions when a CD is played.



RADIO TUNE MODES – SEEK>TUNE>SCAN

RFX-8115/8120



Operation

Seek mode automatically selects the next radio station.
Tune mode allows manual selection of a radio station.
Scan mode samples each radio station for five seconds.

Radio Tune Mode Select

Press the SEL (select) button to cycle through the radio tune modes (Seek/Tune/Scan).

Seek Mode

After Seek mode has been selected, press the TUNE rocker (^/v) to automatically select the next radio station.

Tune Mode

After Tune mode has been selected, press the TUNE rocker (^/v) to manually select radio stations.

Scan Mode

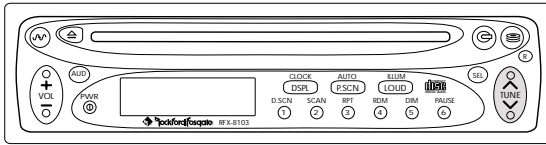
1. After the Scan mode has been selected, press the TUNE rocker (^/v) to automatically sample each radio station for 5 seconds each.
2. Press the TUNE (^/v) rocker to stop on the current radio station.

Display

The display will indicate the radio tune mode, station frequency, band indicator, channel preset (if applicable), and stereo indicator (if stereo broadcast detected) for five seconds. After five seconds, the display will return to its default (Tuner or Clock).

Considerations

The Seek>Tune>Scan mode latches and does not time out.



RADIO TUNE MODES – SEEK>TUNE

RFX-8130/8140



SEEK ←



(press and hold)

TUNE ←

Operation

Seek mode automatically selects the next radio station.
Tune mode allows manual selection of a radio station.

Seek Mode Select

Momentarily press the TUNE (^/v) rocker to automatically select the next radio station.

Tune Mode Select

1. Press and hold the TUNE rocker (^/v) for 2 seconds to enter manual Tune Mode.
2. Press the TUNE (^/v) rocker to manually select radio stations (one frequency at a time).

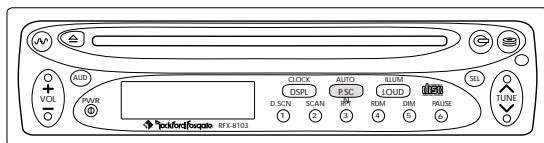
Display

The display will indicate the radio tune mode, station frequency, band indicator, channel preset (if applicable), and stereo indicator (if stereo broadcast detected) for five seconds. After five seconds, the display will return to its default (Tuner or Clock).

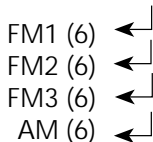
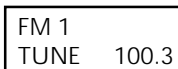
Considerations

The Seek mode is always the default.

The radio will default back to Seek mode if the TUNE (^/v) rocker is not pressed within 2 seconds of entering Tune Mode.



AUTO STORE



Operation

The radio will search, and temporarily store, the strongest stations in the selected band (6 for AM & 18 for FM).

Auto Store Select

Press and hold the P.SCN button for two seconds to switch to Auto Store mode.

Auto Store Cancel

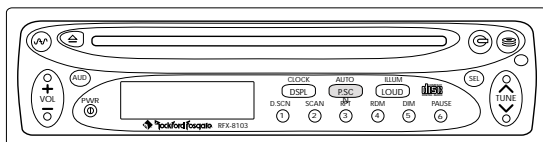
Press and hold the P.SCN button for two seconds to cancel Auto Store mode. When canceled, the original presets will be restored, discarding the presets found during Auto Store.

Considerations

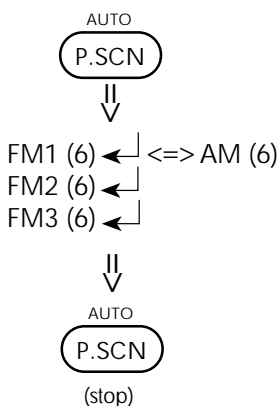
Auto Store presets will be deleted only after the battery has been disconnected.

Initial Power-Up Defaults

On initial power-up, Auto Store will default to Off.



PRESET SCAN



Operation

When Preset Scan is selected, the radio will sequentially sample each preset tuner frequency for five seconds each. (Up to 18 FM or 6 AM presets)

Preset Scan Select

Press the P.SCN button to enable Preset Scan mode.

If a preset station is active when P.SCN is depressed, then the preset stations will be sampled sequentially beginning at the next higher numbered preset.

Preset Scan Cancel

Press the P.SCN button a second time to cancel the Preset Scan mode. It is also canceled by all buttons except LOUD, EJECT and audio volume functions.

Display

During Preset Scan tuning, the display will indicate "PSCN," frequency, band indicator and channel preset.

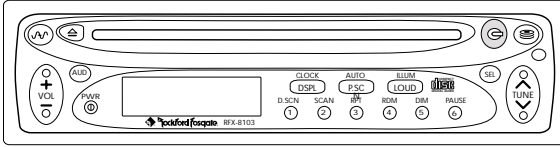
Considerations

Preset Scanning will continue until the function is canceled. The tuner will wrap around from the last preset of FM3 to the first preset of FM1.

Initial Power-Up Defaults

On initial power-up, Preset Scan will default to Off.

CD PLAYER OPERATION



CD PLAYER MODE



T 2 1:34

CD Player Select

Press the SINGLE DISC (CD Player) button to select CD Player mode. If a disc had been previously loaded, it will resume operation where it left off.

CD Player Cancel

The CD Player mode can be canceled by pressing the SINE WAVE (tuner) or the CDX (stack of discs) buttons.

Display

The display will indicate Track #, Elapsed Time and the CD Icon for five seconds. If a CD was not previously loaded into the CD Player, the display will indicate "NO CD." After five seconds, the display will switch to its default (CD or Clock).

The CD Icon will be displayed if a disc is already loaded in the CD Player.

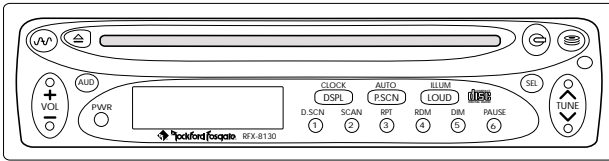
Considerations

Pressing the CD PLAYER (single disc) button will take priority over any mode.

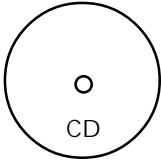
NOTE: 3" CDs may be loaded without the need for an adaptor ring.

Initial Power-Up Defaults

CD Random Mode	Off
CD Repeat Mode	Off
CD Scan	Off
CD Mode Default Display	Track # & Elapsed Time



INSERT CD AND PLAY



(Insert Label
Side Up)

Operation

Inserting a CD will cancel any current mode, switch to CD Player mode and begin playing the CD from track #1.

Insert CD

Carefully insert the CD (label side up) into the CD Player.

“Wake-Up” Feature

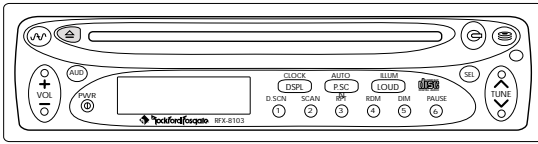
Inserting a CD with ignition on will power the source unit up and begin playing the CD.

Display

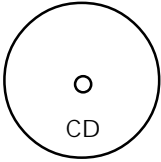
The display will indicate Track #, Elapsed Time and the CD icon.

Considerations

A CD may be inserted at any time, even with ignition off.



CD EJECT



(Remove CD)

CD Eject

Press the EJECT button to release the CD and re-initialize *Previous Play* or *Eject Mute* mode (see below)

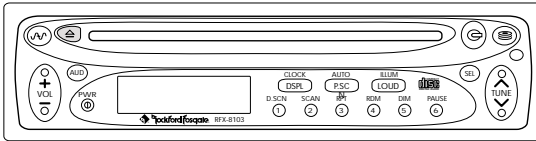
Display

The CD Icon will be turned off when the CD is ejected.

Considerations

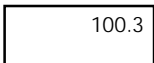
If the CD is left in the ejected position, it will automatically be reloaded after 25 seconds. The reload operation will not re-initialize CD mode or affect any current modes.

A CD may be ejected during any mode (AM, FM or CD Changer) or if the ignition is off.

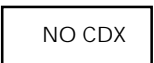


EJECT DEFAULT

PREVIOUS PLAY



EJECT MUTE



Eject Default Operation

Previous Play enables Tuner mode after a CD is ejected. *Eject Mute* mutes the audio after a CD is ejected.

Eject Default Program

1. Press the DSPL button to enter clock mode.
2. Press the SINGLE DISC (CD Player) button to cycle between "P PLAY" or "EJ MUTE."

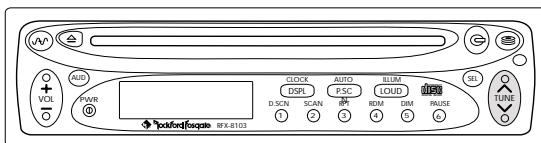
Display

Previous Play

The display will indicate normal Tuner functions.

Eject Mute

The display will indicate "NO CDX."



NEXT TRACK / PREVIOUS TRACK



T 2 1:34

CD Track Select

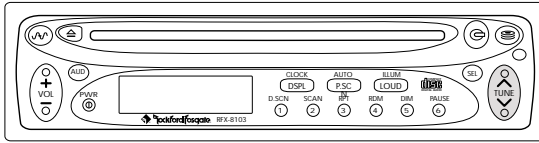
1. Press and release the up arrow (^) rocker to select the next track. Press and release the down arrow (v) rocker to select the previous track.
2. Consecutive pressing of the up/down (^/v) rocker will increase or decrease the track number corresponding to the number of depressions.

Display

The display will indicate Track #, Elapsed Time and the CD Icon for five seconds. After five seconds, the display will switch to its default (CD or Clock).

Considerations

If the highest track is reached, the CD Player/Changer will wrap around to track #1 and continue. If the lowest track is reached, the CD Player/Changer will wrap around to the highest track and continue.



FAST FORWARD / FAST REWIND



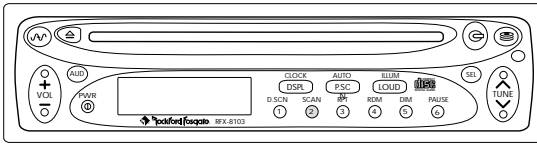
T 2 1:34

Fast Forward/Fast Rewind

1. Press and hold the up arrow (^) rocker to fast forward the track. Press and hold the down arrow (v) rocker to fast rewind the track.
2. Release the up/down arrow rocker to stop the fast forward/rewind function and resume play mode.

Display

The display will indicate the accelerated Elapsed Time for as long as the up/down arrow (^/v) rocker is depressed.



TRACK SCAN

SCAN



T 2 SCAN



T1 ←
T2 ←
T3 ←
T4 ←
etc. ←

Operation

The CD Player will cycle and play each track on the CD for ten seconds.

Disc Scan Select

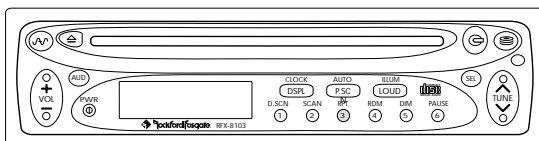
1. Press the SCAN button to select Scan mode.
2. Press the SCAN button a second time to disable Scan mode.

Display

The display will indicate "SCAN," Track #, Elapsed Time and the CD Icon.

Considerations

Scan mode will select the next track, then begin its cycle mode. Scan mode will continue cycling until the function is canceled or another function is selected.



REPEAT PLAY

RPT

③



T 2 RPT
1:34



Operation

The CD Player will repeat the current playing track.

Repeat Play Select

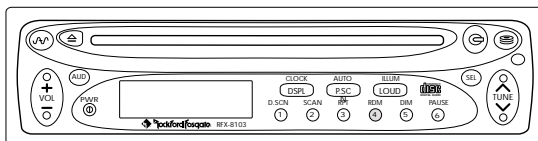
1. Press the RPT (repeat) button to select Repeat Play mode.
2. Press the RPT (repeat) button a second time to disable Repeat Play mode.

Display

The display will indicate "RPT," Track #, Elapsed Time and the CD Icon.

Considerations

Repeat Play mode will repeat only one track at a time. Repeat Play mode will continue until the function is canceled or another function is selected.



RANDOM PLAY

RDM

④



T 2 RDM
1:34



T2 ←
T10 ←
T7 ←
T3 ←
etc. ←

Operation

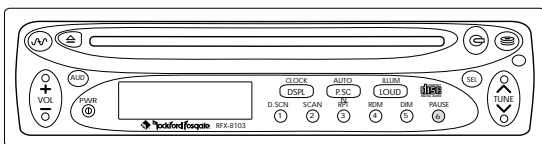
Random Play will randomly select and play tracks from the disc in the CD Player.

Random Play Select

1. Press the RDM (random) button to select Random Play mode.
2. Press the RDM (random) button a second time to disable Random Play mode.

Display

The display will indicate "RDM," Track #, Elapsed Time and the CD Icon.



CD PAUSE

PAUSE

⑥



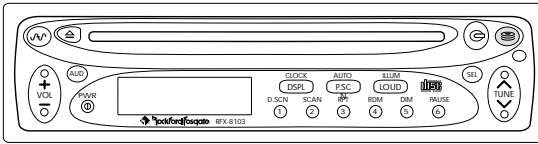
T2 1:34 <=> T2 PAUS

Pause CD

1. Press the PAUSE button to stop the current playing track and reduce the volume to minimum.
2. Press the PAUSE button a second time to resume playing the track at the position prior to stopping.

Display

The display will indicate "PAUS" and Track #.



CD CHANGER MODE



II
V

Disc 3	
T 2	1:34

CD Changer Select

Press the CDX (stack of discs) button to select CD Changer mode. If the magazine is loaded in the CD changer with at least one disc installed, the CD Changer will play the first track of that CD.

CD Changer Cancel

The CD Changer mode can be canceled by pressing the SINE WAVE (tuner) or the CD PLAYER (single disc) buttons.

Display

The display will indicate Disc #, Track #, Elapsed Time and the CD Changer Icon for five seconds. If there aren't any CDs or magazines loaded in the CD Changer, the display will indicate "NO CDX". After five seconds, the display will switch to its default (CD or Clock).

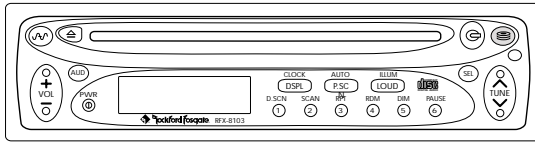
The CDX Icon will be displayed if a disc is already loaded in the CD Changer.

Considerations

Pressing the CDX (stack of discs) button will take priority over any mode.

Initial Power-Up Defaults

CD Random Mode	Off
CD Repeat Mode	Off
CD Scan	Off
CD Mode Default Display	Track # & Elapsed Time



DISC SELECTION



Disc 1 ←
 Disc 2 ←
 Disc 3 ←
 etc. ←

Disc Select

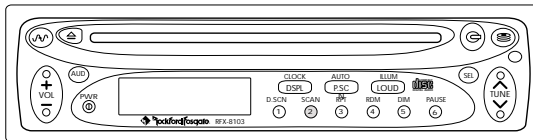
1. Press and hold the CDX (stack of discs) button to cycle through the discs in the magazine.
2. Release the CDX button to stop Disc Selection Mode and resume playing.

Display

The Display will indicate Disc#, Track#, Elapsed Time (00) and the CDX Icon until the function is canceled. The display will also indicate the CDX Icon when the magazine is loaded in the CD changer with at least one disc.

Considerations

The audio will be muted until the disc selection is made.



CDX TRACK SCAN

SCAN

②



Disc 3 T 2 SCAN



T 1 ←
 T 2 ←
 T 3 ←
 etc. ←

Operation

The CD Changer will cycle and play each track on the currently playing CD for ten seconds.

Disc Scan Select

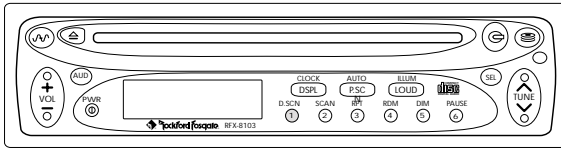
1. Press the SCAN button to select Scan mode.
2. Press the SCAN button a second time to disable Scan mode.

Display

The display will indicate "SCAN," Disc #, Track #, Elapsed Time and the CD Icon.

Considerations

Scan mode will select the next track, then begin its cycle mode. Scan mode will continue cycling until the function is canceled or another function is selected.



MAGAZINE DISC SCAN

D.SCN

①



Disc 3
T 2 DSCAN



Disc1 ←
Disc2 ←
Disc3 ←
etc. ←

Operation

The CD Changer will cycle and play the first track of each disc for ten seconds.

Disc Scan Select

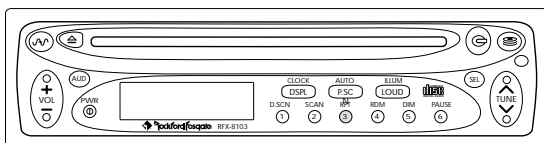
1. Press the D.SCAN button to select Disc Scan mode.
2. Press the D.SCAN button a second time to disable Disc Scan mode.

Display

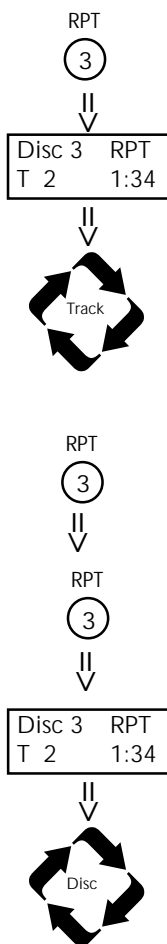
The display will indicate "D.SCN," Disc #, Track #, Elapsed Time and the CD Changer Icon.

Considerations

Disc Scan mode will continue cycling until the function is canceled or another function is selected.



CDX REPEAT PLAY



Operation

The CD Changer will repeat the current playing track or the entire disc.

Repeat Track Select

1. Press the RPT (repeat) button to select Repeat Track mode.
2. Press the RPT (repeat) button two times to disable Repeat Track mode.

Repeat Disc Select

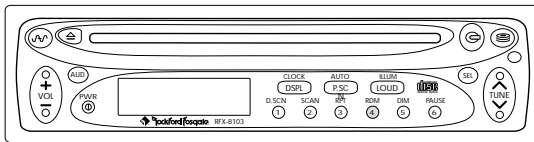
1. Press the RPT (repeat) button two times to select Repeat Disc mode.
2. Press the RPT (repeat) button a third time to disable Repeat Disc mode.

Display

The display will indicate "RPT," Disc #, Track #, and the CD Changer Icon. The CD Changer Icon will flash when in Repeat Disc mode.

Considerations

Repeat Track/Repeat Disc mode will repeat only the current playing track or disc. Repeat Track/Repeat Disc mode will continue until the function is canceled or another function is selected.



CDX RANDOM PLAY

RDM

4

Disc 3 RDM
T 2 1:34

Disc1 T2 ←
Disc3 T10 ←
Disc5 T7 ←
etc. ←

Operation

Random Play will randomly select and play tracks from all discs in the CD Changer.

Random Play Select

1. Press the RDM (random) button to select Random Play mode.
2. Press the RDM (random) button a second time to disable Random Play mode.

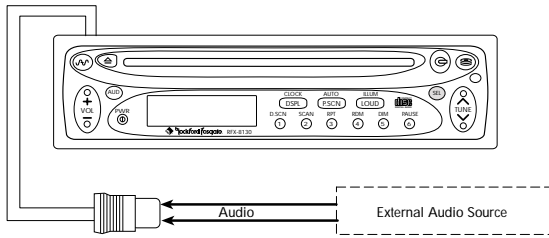
Display

The display will indicate "RDM," Disc #, Track #, Elapsed Time and the CD Icon.

Considerations

The Random Play mode will begin its cycle after completing the current playing track. Random Play mode will continue until the function is canceled or another function is selected.

*EXTERNAL AUDIO OPERATION



8130 EXTERNAL AUDIO INPUT

Operation

The 8130 External Audio Input is a 2-channel input that allows the source unit to play an additional audio source (VCR, video game, etc.)

External Audio Select

1. Press the SEL (select) button to switch to EX AUDIO.
2. Press the SEL button a second time to revert back to CD/Tuner mode.

...OR...

1. Chassis ground the Green/White wire (use relay switch) to select EX AUDIO Mode.
2. Disconnect the wire from chassis ground to revert back to CD/Tuner mode.

Display

The display will indicate "EX AUDIO" for five seconds then switch to its default (External Audio or Clock).

Considerations

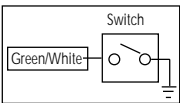
The SEL (select) button has priority control over the Green/White trigger wire.

NOTE: Since the External Audio Input and CD Changer share the same 13-pin DIN, the source unit can only support one device at a time.

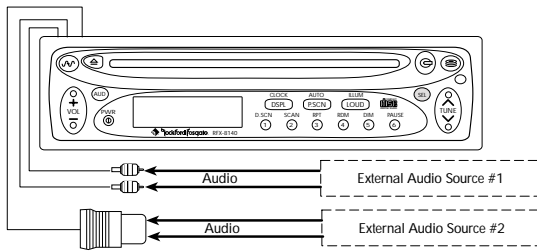
**Feature available on select models*



CD/Tuner Mode ↔ EX AUDIO Mode



CD/Tuner Mode ↔ EX AUDIO Mode



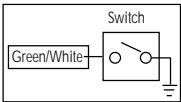
8140 EXTERNAL AUDIO INPUTS

EX AUD 1



CD/Tuner Mode ↔ EX AUD 1 Mode

EX AUD 2



CD/Tuner Mode ↔ EX AUD 2 Mode

Operation

The 8140 External Audio Inputs are 2-channel inputs that allow the source unit to play two additional audio sources (VCR, video game, etc.)

External Audio #1 Select

1. Press the SEL (select) button to switch to EX AUD 1.
2. Press the SEL button a second time to revert back to CD/Tuner mode.

External Audio #2 Select

1. Chassis ground the Green/White wire (use relay or switch) to select EX AUD 2.
2. Disconnect the wire from chassis ground to revert back to CD/Tuner mode.

Display

The display will indicate "EX AUD 1" or "EX AUD 2" for five seconds then switch to its default (External Audio or Clock).

Considerations

The SEL (select) button has priority control over the Green/White trigger wire.

The SEL button will cycle between EX AUD 1 and EX AUD 2 when the Green/White wire is connected to chassis ground.

NOTE: Since the External Audio Input-2 and CD Changer share the same 13-pin DIN, the source unit can only support one device at a time. (EX AUD1 uses independent RCA inputs)

**Feature available on select models*

IR REMOTE OPERATION



ANY BUTTON "WAKE UP"



VOL 23

Operation

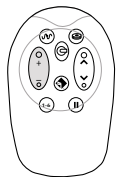
The "Wake Up" feature allows the IR Remote to turn on the source unit without the use of the PWR button.

Any Button "Wake Up"

Press any button except the "Diamond R" button to turn on the source unit.

Considerations

This function is only active when the ignition power is on.



VOLUME ADJUSTMENT



VOL 23

Operation

Press the VOLUME (+) rocker to increase the audio level. Press the VOLUME (-) rocker to decrease the audio level.

Display

The display will indicate the number (0-38) corresponding to the audio level selected.

Considerations

Five seconds after the last volume adjustment, the display will switch to the default display.



TUNE RADIO/ SEEK TRACK ADJUSTMENT

TUNER MODE



SEEK 100.3

CD MODE



T 2 1.34

Tune Radio

When in Tuner mode, pressing the TUNE (^/v) rocker will enable the radio to Seek up/down to the next radio station.

Considerations

If the end of the frequency band is reached, the seek will wrap around to the opposite end of the band and continue to seek.

Seek Track

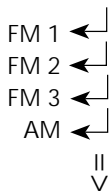
When in CD mode, pressing the TUNE (^/v) rocker will advance the CD Player/CD Changer to the next/previous track. After track selection is reached, the CD will begin to play.

Considerations

If the highest track is reached, the unit will wrap around to track #1 and begin playing. If the lowest track is reached, the unit will wrap around to the highest track# and begin playing.



TUNER MODE



FM 1	
TUNE	100.3

Tuner Select

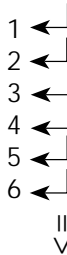
1. Press the SINE WAVE (tuner) button to select the radio tuner and go to the last active band.
2. Consecutive pressing of the SINE WAVE (tuner) button cycles the radio through FM1, FM2, FM3, and AM.

Display

The display will indicate "TUNE", station frequency and band indicator. After five seconds, the display will switch to its default (Tuner frequency or Clock) dependent on its program default.



TUNER PRESETS



FM 1	CH1
TUNE	100.3

Selecting Presets

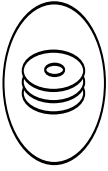
1. Press the 1-6 (channel preset) button to tune the radio to the frequency stored in preset #1.
2. Consecutive pressing of the 1-6 (channel preset) button (within five seconds of the previous depression) will cycle through each tuner preset.

Display

Along with the preset which has been selected, the display will indicate "TUNE," station frequency and band indicator. After five seconds, the display will revert to its default (Tuner or Clock).

Considerations

If the highest preset (#6) has been reached, the unit will wrap around to Preset #1.



CD CHANGER MODE



Disc 1 ←
Disc 2 ←
Disc 3 ←
etc. ←

CD Changer Select

1. Momentarily press the CDX (stack of discs) button to select the operation of the optional CD Changer.
2. Press and hold the CDX button to cycle through the discs in the magazine.
3. Release the CDX button to stop disc selection mode and resume playing.

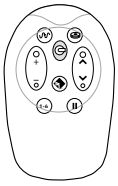
Display

Along with the CD Changer icon, the display will indicate Disc#, Track#, and Elapsed Time for approximately five seconds. After five seconds, the display will return to its default (CD or Clock).

Considerations

Pressing this button without a CD inserted in the CD Changer will indicate "NO CDX." After five seconds, the display will return to its default (CD or Clock).

The selection of the CDX (stack of discs) button will stop the in-dash CD Player and activate the CD Changer.



CD PLAYER MODE



T 2	1:34
-----	------

CD Player Select

1. Press the CD PLAYER (single disc) button to select CD Player mode.

If a disc has been previously loaded, it will begin playing where it previously left off.

Display

Along with the CD Player icon, the display will indicate Track # and Elapsed Time. After five seconds the display will return to its default (CD or Clock).

Considerations

Pressing this button without a CD inserted will indicate "NO CD." After five seconds, the display will return to its default (CD or Clock).

Pressing the CD PLAYER (single disc) button will take priority over any mode (CD Changer/Tuner) currently playing.



PAUSE / MUTE

CD Mode



T 2 PAUS

Tuner/External
Audio Mode



PAUS

Pause Select (CD)

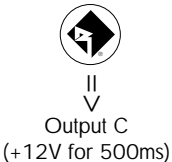
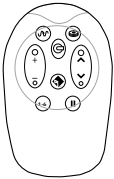
1. When in CD Mode, press the II (pause) button to pause the current playing track.
2. Press the II button a second time to resume playing the disc at the position prior to stopping.

Mute Select (Tuner/External Audio)

1. When in Tuner/External Audio Mode, press the II (pause) button to mute the radio.
2. Press the II button a second time to resume playing the radio station.

Display

Along with the appropriate CD, Tuner, or External Audio indicators, "PAUS" will be indicated on the display.



Pulse Output Select


Press the DIAMOND R button to switch "Output C" of the source unit from 0 volts to +12 volts for a period of 500ms. The current available from this output is 300mA maximum.

Display

There will not be any display changes corresponding to this function.

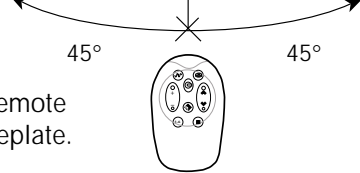
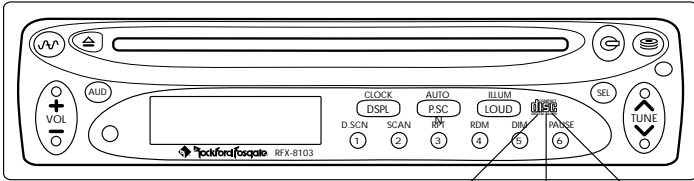
Considerations

This function is only active when the ignition power is on.

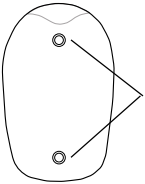
Please refer to your local Authorized Rockford Fosgate Dealer for possible applications on the  Pulse.



IR REMOTE RANGE



For optimum range, keep the IR Remote within 45° of the source unit's faceplate.



BATTERY STORAGE COMPARTMENT



Replace Batteries

Remove the two #1 Phillips screws and carefully remove the back cover.

Replace the batteries with two "CR2032" (or equivalent) "watch type" lithium batteries.

Replace Cover

Replace the back cover and the two #1 Phillips screws. **(DO NOT OVERTIGHTEN.)**

Considerations

Use only lithium batteries and observe proper polarity.

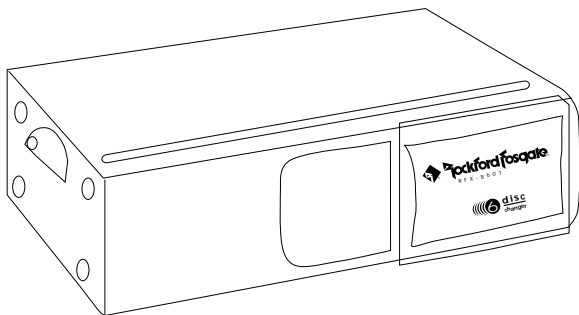
ROCKFORD FOSGATE ACCESSORIES

◆ Replacement Faceplate Case (HW-1222-A)

If you're always "on the go", there have been plenty of times you have dropped, kicked or sat on your detachable faceplate case. After all, the function of the case is to protect your investment. So, if you find your old faceplate case needs to be retired, replacements are available for continued protection.

◆ 6-Disc CD Changer (RFX-8601)

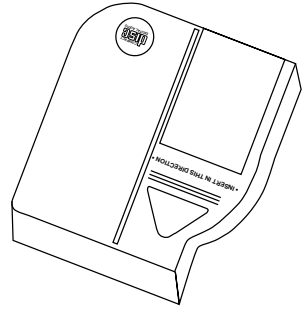
The RFX-8601 is a 6-disc CD changer compatible with select RFX source units. The CD changer features dual 1 bit D/A converters with 8x oversampling for precise playback and a heavy duty damping system to reduce CD skipping in even the bumpiest conditions. The five way adjustable suspension accommodates horizontal and vertical mounting as well as any angle between 0° and 90°. All data and power transmissions are carried through a single 18 foot CDX cable. The CD Changer's compact size facilitates stealth mounting in small center consoles or glove boxes.



ATTENTION: We recommend your Authorized Rockford Fosgate Dealer install your new accessory.

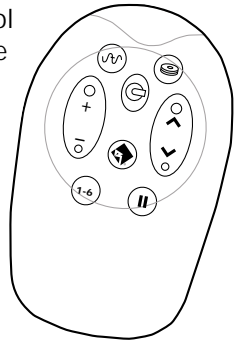
◆ Additional 6-Disc Magazine (RFX-1610)

Eliminate the frustration of constantly switching out the discs in your CD Changer with additional 6-Disc Magazines. Maximize your listening time by ejecting the old tunes and popping in new ones. Use several magazines to sort your music by artist, music type or even his and hers.



◆ IR Remote (RFX-1110)

The RFX-1110 is an Infrared Remote Control which operates many functions of the source unit. The remote features a Tuner button used for selecting one of four tuner modes, a CD Changer button for cycling between discs and a CD Player mode button. A Volume rocker adjusts the source unit's audio level and a Tune rocker selects radio stations in Tuner mode and disc tracks in CD mode. The remote also features a Tuner Preset button for recalling presets stored in memory and a CD Pause/Radio Mute button. For special applications, a Pulsed Output ("Diamond R") button triggers a momentary positive pulse from the source unit to activate accessories like a trunk release, amp rack or neon lights. The IR Remote is available for Rockford Fosgate source units that are IR Remote compatible.



ATTENTION: We recommend your Authorized Rockford Fosgate Dealer install the pulsed output function of the source unit.

◆ CD Lens Cleaner (RP9650)

Maintain the performance of your new Rockford Fosgate CD player with the CD Lens Cleaner. The CD Lens Cleaner safely removes dust and other contaminants from the laser lens to ensure optimum disc tracking. The lens cleaner is safe for both in-dash CD Players and CD Changers.

Connecting Punch Accessories are available at any Authorized Rockford Fosgate Dealer.

SOURCE UNIT TROUBLESHOOTING



Symptom	Diagnosis	Remedy
Source Unit does not turn on	Voltage applied to Red and Yellow wires is not between 10.5 and 16 volts or there is no voltage present	Check battery, fuses and connections and repair or replace as necessary. If voltage is above +16 volts, have the electrical system inspected by an authorized car service center
	Source unit is not properly grounded	Check wiring and repair as necessary
No backlight illumination (8120/8130/8140)	Voltage applied to Orange wire is not between 10.5 and 16 volts or there is no voltage present	Check battery, fuses and connections and repair or replace as necessary. If voltage is above +16 volts, have the electrical system inspected by an authorized car service center
	Source Unit is not properly grounded	Check wiring and repair as necessary
No audio output (display indicates "VOL 0")	Brown wire is grounded	Check wiring and repair as necessary
	Cellular phone or other component is falsely triggering Brown wire	Disconnect Brown wire and check operation. Repair wiring as necessary
Speakers pop when turning Source Unit On/Off	Turn On "A" and "B" are not configured properly	Check wiring and repair as necessary. Refer to "Wiring the System" section of this manual for further information
	Bad component in the signal chain	Check connections and bypass additional components (cross-overs and equalizers) between the source unit and the amplifier. Connect one component at a time to determine the culprit. Connect this component to the Blue/White wire and check for pops. If pops persist, repair or replace component as necessary



Symptom	Diagnosis	Remedy
Turn On "C" does not work	Pulsed Output accessible only through "Diamond R" button on IR Remote	Invest in the optional IR Remote
	Blue/Red wire disconnected	Check connections and repair wiring as necessary
	IR Remote is not operating properly	Refer to the IR Remote "Troubleshooting" section for more information
	External relay system not operating properly or draws more than 300mA	Disconnect Blue/Red wire from the system and connect to voltmeter. Press the "Diamond R" button to verify a pulsed output of +12 volts for 500ms. Repair external wiring as necessary
Tuner cannot "tune-in" any radio stations	Antenna is disconnected	Check connections and repair as necessary
Tuner has poor reception	Antenna is disconnected or not properly grounded to vehicle	Check connections and installation of antenna and repair or replace as necessary
	Antenna cable is intermittent or damaged	Disconnect antenna and test with known working antenna. If tuner works, check installation and repair antenna wiring as necessary
	Antenna is wrong type for AM/FM frequencies	Consult your local Authorized Rockford Fosgate Dealer for proper antenna selection
Disc will not load into Source Unit (also see error codes)	Voltage applied to Red and Yellow wires is not between 10.5 and 16 volts or there is no voltage present	Check battery, fuses and connections and repair or replace as necessary. If voltage is above +16 volts, have the electrical system inspected by an authorized car service center



Symptom	Diagnosis	Remedy
Disc will not eject (Also see error codes)	Voltage applied to Yellow wire is not between 10.5 and 16 volts or there is no voltage present	Check battery, fuses and connections and repair or replace as necessary. If voltage is above +16 volts, have the electrical system inspected by an authorized car service center
Error Code E20 (Optics Focus Error)	Disc loaded upside down into Source unit	Reload disc into Source unit "label side up"
	Source unit is too hot or too cold	Wait until Source unit is within proper operating temperature (between -10°C and +60°C)
	Condensation has developed on the playback mechanism	Remove the disc from the source unit and wait for approximately an hour for the moisture to evaporate
	Excessive dirt or dust on disc	Clean disc to remove dirt or dust as necessary
	Excessive fingerprints on disc	Clean disc to remove fingerprints as necessary
	Stickers or labels on disc	Remove stickers or labels from the disc's playing side and any excess adhesive as necessary
	Excessive scratches on disc	Clean as necessary to remove aggravating dust and fingerprints and try to replay disc. If disc still does not play, you now have a miniature Frisbee
	Disc is warped, cracked or severely damaged	Eject damaged disc from source unit and play only non-damaged discs
Error Code E21	Loss of optical tracking control	Remove faceplate and press "Reset" button on source unit. If failure code continues, see your local Authorized Rockford Fosgate Dealer



Symptom	Diagnosis	Remedy
Error Code E22 (Load/Unload Motor Problem)	Foreign object(s) are preventing the disc from loading or unloading	Check source unit load/unload area by removing faceplate and repair as necessary
	Potential internal motor problem	See your local Authorized Rockford Fosgate Dealer
Error Code E23 (Communication Problem)	Disc is triggering the load/unload sensors but is not loading into Source unit	Gently push disc into the source unit until motors properly grasp the disc
	Foreign object(s) are interrupting disc loading	Check disc and source unit load/unloading area by removing faceplate and repair as necessary
	Disc is warped, cracked or severely damaged	Eject damaged disc from source unit and play only non-damaged discs
CD skips excessively	Source unit mounted at an incorrect angle	Check mounting angle of source unit (mount within $\pm 20^\circ$ from horizontal) and repair as necessary
	Source unit not secured properly (Standard Mount)	Check tightness of installation sleeve and backstrap and repair or replace as necessary
	Source unit not secured properly (ISO Mount)	Check tightness of mounting screws and repair or replace as necessary



Symptom	Diagnosis	Remedy
Engine Noise	Source unit is not grounded properly	Check connections and repair wiring as necessary
	Noise is radiating into RCA signal cable	Check connections, run the RCA cables on a different route away from sources of high current
	Bad component in the signal chain	Check connections, bypass additional components (cross-overs and equalizers) between the source unit and the amplifier. Connect one component at a time to determine the culprit. Repair or replace components as necessary
	Noise is radiating into the speaker cables	Disconnect existing speakers and connect a test speaker to the output terminals of the Source unit. If noise is gone, reroute the speaker cables away from sources of high current
	Multiple grounds in the audio system	Check ground connections and connect amplifiers, signal processors, and other components to a central location or try a different grounding point on the chassis
Radiated Noises	No RF suppression of blower motors	Connect filter cap (Radio Shack #272-1085) in-line on B+ as close to blower motor as possible
	No RF suppression of switches	Connect a .1 μ f - .01 μ f non-polarized capacitor across switch contacts

CD CHANGER TROUBLESHOOTING



Symptom	Diagnosis	Remedy
Error Code E30 (Optics Focus Error)	Disc loaded upside down into magazine	Reload disc into magazine "label side up"
	CDChanger is too hot or too cold	Wait until CD Changer is within proper operating temperature. (between -10°C and +60°C)
	Condensation has developed on the playback mechanism	Remove the disc from the source unit and wait for approximately an hour for the moisture to evaporate
	Excessive dirt or dust on disc	Clean disc to remove dirt or dust as necessary
	Excessive fingerprints on disc	Clean disc to remove fingerprints as necessary
	Stickers or labels on disc	Remove stickers or labels from the disc's playing side and any excess adhesive as necessary
	Excessive scratches on disc	Clean as necessary to remove aggravating dust and fingerprints and try to replay disc. If disc still does not play, you now have a miniature Frisbee
	Disc is warped, cracked or severely damaged	Eject damaged disc from CD Changer and play only non-damaged discs
Error Code E31	Loss of optical tracking control	Press "Reset" button on CD Changer. If failure code continues, see your local Authorized Rockford Fosgate Dealer



Symptom	Diagnosis	Remedy
Error Code E32 (Load/Unload motor problem)	Foreign object(s) are preventing the disc from loading or unloading	Check CD Changer by cleaning disc load/unload area.
	Potential internal motor problem	See your local Authorized Rockford Fosgate Dealer
Error Code E33 (Communication problem)	Disc cannot be identified by CD Changer.	Replace damaged disc(s) in magazine
	Communication error between Source Unit and CD Changer	Press "Reset" button on CD Changer
	Disc load/unload problem	Press "Reset " button on CD Changer. If CD Changer does not operate, see your Local Authorized Rockford Fosgate Dealer.
Error Code E35	Disc magazine empty	Load at least one disc into the magazine
CD Changer does not operate	CDX cable is intermittent or severely damaged	Check connections and repair or replace CDX cable as necessary
	CDX cable is disconnected from Source unit or CD Changer	Check connections at the Source unit and CD Changer and repair wiring as necessary
	Communication problem	Press "Reset" button on CD Changer
Disc is jammed in CD Changer	Disc load/unload problem	Press "Reset" button on CD Changer. If CD Changer still does not operate, see your Local Authorized Rockford Fosgate Dealer
No "CDX"	Communication problem	Unplug 13-pin DIN for a few minutes and reconnect to CD Changer



IR REMOTE TROUBLESHOOTING

Symptom	Diagnosis	Remedy
IR Remote has poor range	Batteries are weak	Check battery condition and replace as necessary with two CR2032 (+3 volt) batteries
	Excessive dirt or dust on IR Remote transmitter lens	Clean transmitter lens with Plexiglas solution and a non-abrasive cloth as necessary
	Excessive dirt or dust on Source unit receiver lens	Clean receiver lens (compact disc logo) with Plexiglas solution and a non-abrasive cloth as necessary
	IR remote is outside of optimum transmitting range	Operate IR Remote within approximately 15 feet and $\pm 45^\circ$ from horizontal of the Source unit's faceplate
	High sunlight conditions	Operate IR Remote closer to source unit
IR Remote does not work (LED does not illuminate)	Batteries are dead	Check battery condition and replace as necessary with two CR2032 (+3 volt) batteries
	Batteries are installed incorrectly	Check battery installation and repair as necessary (polarity is indicated on pc board)

SPECIFICATIONS

General

Operating Voltage	+10.5V – +16.0V DC
Standby Current	4.5mA max.
Operating Temperature	–30°C to +70°C (Receiver) –10°C to +65°C (CD Player)
Dynamic Power Rating (IHF-202 Standard) per channel into a 4Ω load	13 watts x 4 (8115/8120/8130)
RMS continuous power per channel , all channels driven into a 4Ω load from 20-20,000Hz, with less than 0.1% Total Harmonic Distortion (THD)	7.5 watts x 4 (8115/8120/8130)
Load Impedance	4Ω min. - 10Ω max.
Preamp Output Voltage 8115/8120/8130 8140	2.4 VRMS @ 0.05% THD 8.5 VRMS @ 0.05% THD (RCA) 17 VRMS @ 0.05% THD (BAL)
Preamp Output Impedance	50Ω
Sub-Preamp Output (8130)	80Hz Low-Pass @ 12dB/octave
Equalization	Bass: ±8dB @ 60Hz Treble: ±10dB @ 10kHz
IR Receiver Eye Range	±45° off axis
Chassis Dimensions	7"W x 6 ³ / ₈ "D x 2"H (177.8mm x 162mm x 50.4mm)
Nosepiece Dimensions (trim ring removed)	7 ¹ / ₁₆ "W x 7 ⁷ / ₈ "D x 2"H (179.7mm x 22.2mm x 50.4mm)
(trim ring installed)	7 ¹³ / ₃₂ "W x 7 ⁷ / ₈ "D x 2 ⁹ / ₃₂ "H (188.1mm x 22.2mm x 57.9mm)
Weight	
8115	3.48 lbs. (1578g)
8120/8130	3.54 lbs. (1606g)
8140	3.46 lbs. (1569g)

Specifications subject to change without notice.

FM Tuner

Tuning Range	Americas	87.7-107.9mHz (200kHz spacing)
	Eur/Aus	87.5-108mHz (100kHz spacing)
	Saudi	87.5-108mHz (100kHz spacing)
Frequency Response		30Hz - 15kHz
Usable Sensitivity		20dB @ 1 μ V
Alternate Channel Selectivity		90dB
Adjacent Channel Selectivity		50dB
50dB Quieting Sensitivity		18dBf
Signal-to-Noise Ratio		72dB
Distortion		<0.3%
Channel Separation		\geq 25dB @ 1kHz
AM Rejection		41dB @ 30dBf Quieting
Capture Ratio		2.6 @ 45dBf

AM Tuner

Tuning Range	Americas	530-1710kHz (10kHz spacing)
	Eur/Aus	522-1620kHz (9kHz spacing)
	Saudi	531-1602kHz (9kHz spacing)
Sensitivity		31dBf max. @ 10dB sensitivity
-6dB Bandwidth		5kHz min. - 12kHz max.

CD Player

Usable Discs		5" and 3"
Frequency Response		20Hz-20kHz (\pm 2dB)
Signal-to-Noise Ratio		>90dB (preamp output w/22kHz LP filter)
Distortion		<0.05%
Channel Separation		86dB (preamp outut w/22kHz LP filter)
Dynamic Range		100dB

IR Remote (optional with 8115/8120)

Operating Voltage		+3V DC
Transmitting Range		15 ft. (variable in sunlight)
Battery Replacement		(2) CR2032 +3V Lithium
Dimensions		2 ⁹ / ₁₆ "W x 3 ³ / ₄ "L x ³ / ₄ "H (6.51cm x 9.53cm x 1.9cm)

Specifications subject to change without notice.

LIMITED WARRANTY INFORMATION

Rockford Corporation offers a limited warranty on Rockford Fosgate products on the following terms:

- **Length of Warranty**

3 years on electronics	90 days on electronic B-stock (receipt required)
2 years on source units	30 days on speaker B-stock (receipt required)
1 year on speakers	

- **What is Covered**

This warranty applies only to Rockford Fosgate products sold to consumers by Authorized Rockford Fosgate Dealers in the United States of America or its possessions. Product purchased by consumers from an Authorized Rockford Fosgate Dealer in another country are covered only by that country's Distributor and not by Rockford Corporation.

- **Who is Covered**

This warranty covers only the original purchaser of Rockford product purchased from an Authorized Rockford Fosgate Dealer in the United States. In order to receive service, the purchaser must provide Rockford with a copy of the receipt stating the customer name, dealer name, product purchased and date of purchase.

- **Products found to be defective** during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at Rockford's discretion.

- **What is Not Covered**

1. Damage caused by accident, abuse, improper operations, water, theft
2. Any cost or expense related to the removal or reinstallation of product
3. Service performed by anyone other than Rockford or an Authorized Rockford Fosgate Service Center
4. Any product which has had the serial number defaced, altered, or removed
5. Subsequent damage to other components
6. Any product purchased outside the U.S.
7. Any product not purchased from an Authorized Rockford Fosgate Dealer

- **Limit on Implied Warranties**

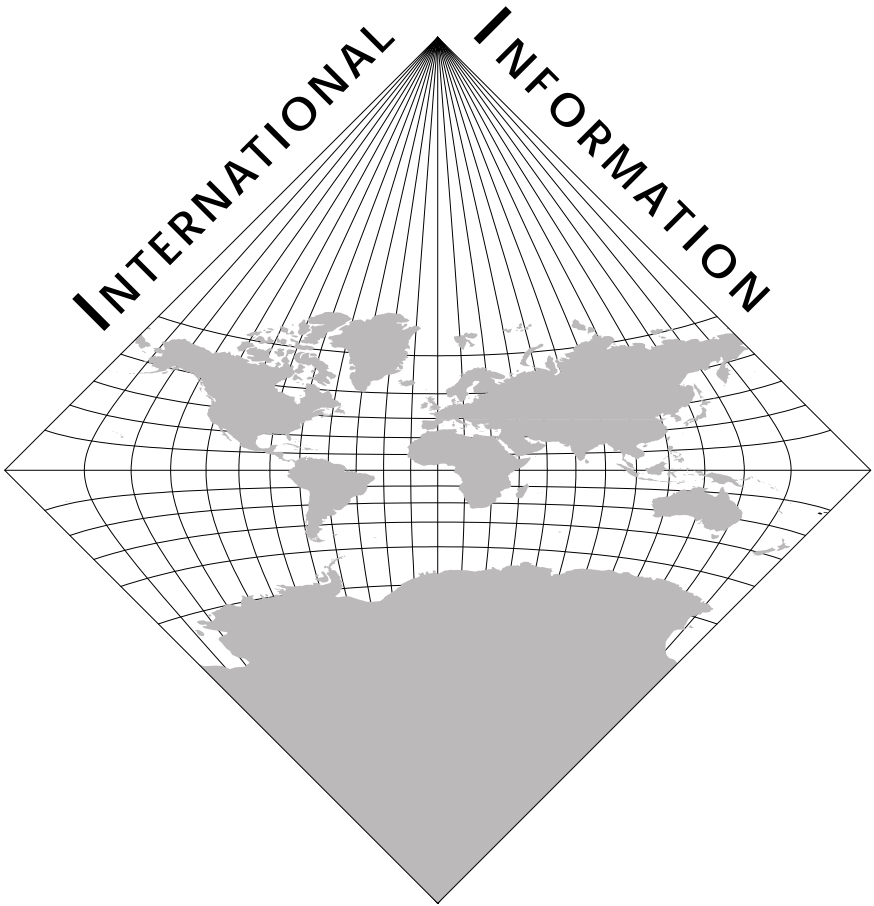
Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for Rockford Fosgate any other liability in connection with the sale of the product.

- **How to Obtain Service**

Please call 1-800-669-9899 for Rockford Customer Service. You must obtain an RA# (Return Authorization number) to return any product to Rockford Fosgate. You are responsible for shipment of product to Rockford.

Ship to: **Electronics**
Rockford Corporation
Warranty Repair Department
2055 E. 5th Street
Tempe, AZ 85281
RA#: _____

Ship to: **Speakers**
Rockford Acoustic Design
(Receiving-speakers)
609 Myrtle N.W.
Grand Rapids, MI 49504
RA#: _____



FUNCIONAMIENTO BÁSICO

Graves, Agudos, Fader, Balance, Sub, Volumen

1. Pulse **AUD** para seleccionar la función BASS>TREB>FADE*>BAL>SUB*>VOL
2. Pulse **VOL** (\pm) para el ajuste de la selección

Reloj

1. Mantenga pulsado durante 2 segundos la tecla **CLOCK** para que parpadeen los dígitos de la hora
2. Pulse el botón **TUNE** (^/v) para el ajustar la hora
3. Pulse el botón **CLOCK** para que parpadeen los dígitos de los minutos
4. Pulse el botón **TUNE** (^/v) para ajustar los minutos

Funciones del Display

1. Pulse el botón **DSPL** para cambiar entre Tuner, CD, CDX, o EX AUD* y Reloj

Pantalla inicial

1. Pulse el botón de **la onda senoidal** para seleccionar el modo Radio
2. Mantenga pulsado el botón **DSPL** durante dos segundos
3. Pulse el botón **PRESET 6** para seleccionar Radio, Número de pista y tiempo transcurrido, EX AUD* o Reloj

Dimmer de Iluminación*

1. Mantenga pulsado el botón **DSPL** durante dos segundos
2. Pulse el botón **DIM** para variar cíclicamente la intensidad de 0 (off) a 4 (máx)

Color de Iluminación*

1. Mantenga pulsado el botón **ILLUM** durante dos segundos para seleccionar entre Verde o Ambar

* Característica disponible sólo en algunos modelos

FUNCIONAMIENTO DE LA RADIO

Sintonizador Standard Mundial

La banda de frecuencias del sintonizador puede ser programada para ser compatible con los diferentes códigos de los países (excepto Japón)

1. Mantenga pulsado el botón **DSPL** durante dos segundos
2. Pulse el botón con **la onda senoidal** (Radio)
3. Pulse **SEL** para cambiar secuencialmente entre AMERICAS, EUROPA/AUSTRALIA y ARABIA SAUDI

Modo de Sintonización – AM>FM1>FM2>FM3

1. Pulse el botón de **la onda senoidal** (radio) para seleccionar el modo de Sintonizador
2. Pulse sucesivamente el mismo botón para seleccionar secuencialmente FM1, FM2, FM3 o AM

Presintonías de Radio

1. Sintonice la emisora a grabar
2. Mantenga pulsado durante dos segundos el botón **DSPL**
3. Mantenga pulsado el botón **PRESET (#1, #2, #3, #4, #5, o #6)** durante dos segundos

Modos de Sintonización de Radio en los 8115/8120 – SEEK>TUNE>SCAN

1. Pulse **SEL** para seleccionar Búsqueda, Radio o Modo Scan
2. Pulse **TUNE (^/v)** para seleccionar la emisora de radio

Modos de Sintonización de Radio en los 8130/8140 – SEEK>TUNE

Modo SEEK (Búsqueda)

1. Pulse **TUNE (^/v)** para buscar la siguiente emisora

Modo Sintonización

1. Mantenga pulsado **TUNE (^/v)** para entrar en el modo de sintonización
2. Pulse **TUNE (^/v)** para seleccionar manualmente las emisoras de radio

Presintonización Automática

La radio buscará, y grabará temporalmente, las emisoras con señal más potente de la banda en la que esté (6 en AM y 18 en FM)

1. Mantenga pulsado el botón **P.SCN** durante dos segundos para activar/desactivar el modo de Auto-Store

Escaneo de Presintonías

Cuando esté seleccionado el Preset Scan, la radio mostreará secuencialmente cada emisora pregrabada durante cinco segundos cada una (18 en FM y 6 en AM)

1. Pulse **P.SCN** para activar/desactivar el modo de Preset Scan

FUNCIONAMIENTO DEL CD

Escaneo de Pistas

El reproductor de CD's reproducirá cada una de las pistas del CD durante 10 segundos

1. Pulse el botón de **SCAN** para activar/desactivar el modo Scan

Repetición de la Reproducción

El Reproductor de CD's repetirá la pista actual

1. Pulse **RPT** para activar/desactivar el modo de Repetición

Reproducción Aleatoria

Se seleccionarán pistas al azar del disco

1. Pulse **RDM** para activar/desactivar el modo de Reproducción

FUNCIONAMIENTO DEL CDX (CARGADOR DE CD'S)

Selección del Disco

1. Mantenga pulsado el botón **CDX** para saltar cíclicamente de un disco a otro

Escaneo del Cargador de CD's

El Cargador de CD's reproducirá cíclicamente la primera pista de cada disco durante 10 segundos

1. Pulse **D.SCAN** para activar/desactivar la función de Escaneo de Discos

Repetición de la Pista

1. Pulse **RPT** para seleccionar el modo de Repetición de pista
2. Pulse **RPT** dos veces para cancelar el modo de Repetición de pista

Repetición del Disco

1. Pulse **RPT** dos veces para seleccionar el modo de Repetición de disco
2. Pulse **RPT** una vez más para cancelar el modo de Repetición de disco

Reproducción Aleatoria

Se seleccionarán pistas al azar de todos los discos

1. Pulse **RDM** para activar/desactivar el modo de Reproducción

FUNCIONAMIENTO DE LA ENTRADA EXTERNA DE AUDIO EN EL 8130

La *Entrada Externa de Audio en el 8130* es de 2 canales y permite que la unidad reproduzca una fuente de sonido adicional (VCD, Video Juegos, etc.)

1. Pulse **SEL** para seleccionar el modo EX AUDIO (CDX DIN)
2. Pulse **SEL** una segunda vez para volver al modo de CD/Tuner

--O bien--

1. Ponga a masa del chasis el cable **Verde/Blanco** para seleccionar la entrada EX AUDIO
2. Desconecte el cable **Verde/Blanco** de la masa del chasis para volver al modo CD/Tuner

FUNCIONAMIENTO DE LAS ENTRADAS EXTERNAS DE AUDIO EN EL 8140

La *Entrada Externa de Audio en el 8140* son de 2 canales y permite que la unidad reproduzca una fuentes de sonido adicionales (VCD, Video Juegos, etc.)

Entrada Externa Audio-1 (RCA)

1. Pulse **SEL** para seleccionar el modo EX AUDIO-1
2. Pulse **SEL** una segunda vez para volver al modo de CD/Tuner

Entrada Externa-2 (CDX DIN)

1. Ponga a masa del chasis el cable **Verde/Blanco** para seleccionar la entrada EX AUDIO-2
2. Desconecte el cable **Verde/Blanco** de la masa del chasis para volver al modo CD/Tuner

El botón **SEL** cambiará cíclicamente entre la entrada EX AUD1 y EX AUD2 cuando esté conectado el cable Verde/Blanco al chasis

NOTA: Como la Entrada Externa de Audio número 2 y el Cargador de CD's comparten el mismo conector DIN de 13 pines, la unidad principal solo puede soportar un aparato cada vez

FUNCIONAMIENTO DEL CONTROL REMOTO POR INFRARROJOS

Modo Sintonizador – AM>FM1>FM2>FM3

1. Mantengo pulsado el botón de **la onda senoidal** (radio) para seleccionar FM1, FM2, FM3, o AM


Presintonías de Radio – (1-6)

1. Pulse los botones **1-6** para seleccionar la primera emisora
2. Mantenga pulsado el botón **1-6** para cambiar entre las presintonías #1, #2, #3, #4, #5, or #6

Modo Cargador de CD's

1. Mantengo pulsado el botón **CDX** (Cargado de discos) para seleccionar Disco 1, Disco 2, Disco 3, etc. del cargador

Pulso "R"

1. Pulse el botón  para conmutar la "SALIDA C" de la unidad principal de 0 voltios a +12 voltios durante 500ms. La corriente que se suministra es de 300mA.

UTILISATION

Bass, Aigu (Treble), Fader, Balance, Sub, Volume

1. Enfoncez **AUD** pour sélectionner BASS>TREB>FADE*>BAL>SUB*>VOL
2. Enfoncez **VOL** (±) pour ajuster votre sélection

Clock

1. Enfoncez **CLOCK** durant au moins deux secondes afin de faire clignoter l'heure
2. Enfoncez **TUNE** (^/v) pour ajuster l'heure
3. Enfoncez à nouveau **CLOCK** pour faire clignoter les minutes
4. Utilisez **TUNE** (^/v) pour ajuster les minutes

Display Recall

1. Enfoncez **DSPL** pour changer le display entre Tuner, CD, CDX, or EX AUD* et Clock

Default Display

1. Enfoncez le bouton **SINE WAVE** pour sélectionner Tuner
2. Enfoncez et tenez **DSPL** enfoncé durant deux secondes
3. Enfoncez **PRESET 6** pour sélectionner Tuner, Track# & Elapsed Time, EX AUD* ou Clock

Illumination Dimmer*

1. Enfoncez et tenez **DSPL** enfoncé durant deux secondes
2. Enfoncez **DIM** pour changer l'intensité de l'éclairage de 0 (off) à 4 (max)

Illumination Color*

1. Enfoncez et tenez **ILLUM** enfoncé durant deux secondes pour sélectionner vert ou orange

* Fonction disponible que sur certains modèles

UTILISATION DU TUNER

World Wide Tuner

La bande de fréquence peut être programmé pour convenir au codes des différents pays (excepté le Japon).

1. Enfoncez et tenez **DSPL** enfoncé durant deux secondes
2. Enfoncez **SIN WAVE** (Tuner)
3. Enfoncez **SEL** pour parcourir AMERICAS, EUR/AUST et SAUDI

Mode Tuner – AM>FM1>FM2>FM3

1. Enfoncez **SINE WAVE** (tuner) pour entrer en mode Tuner
2. Enfoncez **SINE WAVE** (tuner) pour sélectionner FM1, FM2, FM3, ou OM

Préselections du Tuner

1. Choisissez la station à mémoriser
2. Enfoncez et tenez **DSPL** enfoncé durant deux secondes
3. Enfoncez et tenez **PRESET (#1, #2, #3, #4, #5, or #6)** enfoncé durant deux secondes

8115/8120 Modes Radio – SEEK>TUNE>SCAN

1. Enfoncez **SEL** pour sélectionner le Mode Seek, Tune ou Scan
2. Enfoncez **TUNE (^/v)** pour sélectionner la station radio

8130/8140 Modes Radio – SEEK>TUNE

Mode SEEK

1. Enfoncez **TUNE (^/v)** pour sélectionner la prochaine station radio

Mode TUNE

1. Enfoncez et tenez **TUNE (^/v)** pour entrer en Mode "Tune"
2. Enfoncez **TUNE (^/v)** pour sélectionner les stations radio manuellement

Auto Store

La radio va chercher et mémoriser les postes les plus puissants (6 OM et 18 FM)

1. Enfoncez et tenez **P.SCN** enfoncé durant deux secondes pour activer/désactiver le mode Auto Store

Preset Scan

Quand Preset Scan est sélectionné, la radio vous donnera successivement un échantillon de chaque station préselectionnée durant cinq secondes chacune (jusqu'à 18 FM ou 6 OM préselections)

1. Enfoncez **P.SCN** pour activer ou désactiver le mode Preset Scan

UTILISATION DU LECTEUR CD

Track Scan

Le CD se mettra a tourner et jouera chaque morceau du CD pendant dix secondes

1. Enfoncez **SCAN** pour activer ou désactiver le mode SCAN

Repeat Play

Le CD repete le morceau en cours au moment de l'activation de ce mode

1. Enfoncez **RPT** pour activer ou désactiver le mode Repeat

Random Play

Random Play selectionnera arbitrairement des morceaux du CD en cours

1. Enfoncez **RDM** pour activer ou désactiver le mode Random Play

UTILISATION DU CHANGEUR CDX

Disc Selection

1. Enfoncez **CDX** (changeur CD) et tenez le enfoncé afin de circuler à travers de chaque CD

Magazine Disc Scan

Le changeur CD se mettra en marche et passera la premier morceau de chaque disc pendant dix secondes

1. Enfoncez **D.SCAN** pour activer ou désactiver le mode Disc Scan

Repeat Track

1. Enfoncez **RPT** pour selectionner le mode Repeat Track
2. Enfoncez **RPT** deux fois afin de désactiver le mode Repeat Track

Repeat Disc

1. Enfoncez **RPT** deux fois le mode Repeat Disc
2. Enfoncez **RPT** un troisieme fois pour désactiver le mode Repeat Disc

Random Play

Random Play passera arbitrairement différents morceaux des différents CD se trouvant das le changeur

1. Enfoncez **RDM** pour activer ou désactiver le mode Random Play

UTILISATION DE L'ENTRÉE AUDIO EXTERNE DU 8130

L'entrée audio externe 8130 est une entrée à deux canaux qui permet à la source de faire jouer des sources audio additionnelles (vidéo, jeux vidéo,...)

1. Enfoncez **SEL** pour sélectionner le mode EX AUDIO (CDX DIN)
 2. Enfoncez **SEL** une seconde fois pour retourner au mode CD/Tuner
- Ou--
1. Branchez le fil **Vert/Blanc** à la masse pour sélectionner EX AUD 2
 2. Débranchez le fil **Vert/Blanc** de la masse pour retourner en mode CD/Tuner

UTILISATION DE L'ENTRÉE AUDIO EXTERNE DU 8140

L'entrée audio externe 8140 sont des entrées à deux canaux qui permettent à la source de faire jouer des source audio additionnelles (vidéo, jeux vidéo,...)

Audio Externe-1 (RCA)

1. Enfoncez **SEL** pour passer en EX AUD 1
2. Enfoncez **SEL** une seconde fois pour retourner au mode CD/Tuner

Audio Externe-1 (RCA)

1. Branchez le fil **Vert/Blanc** à la masse pour sélectionner EX AUD 2
 2. Débranchez le fil **Vert/Blanc** de la masse pour retourner en mode CD/Tuner
- Le bouton **SEL** permet de sélectionner entre EX AUD1 et EX AUD 2 quand le câble Vert Blanc est connecté à la masse.

NOTE: Puisque la seconde entrée audio et le changeur CD partagent la même fiche 13-pin DIN, la source ne peut supporter qu'un sujet à la fois.

UTILISATION DE LA TÉLÉCOMMANDE

Tuner Mode – AM>FM1>FM2>FM3

1. Enfoncez **SINE WAVE** (tuner) et tenez le enfoncé pour sélectionner FM1, FM2, FM3, ou OM


Tuner Presets – (1-6)

1. Enfoncez **1-6** (canaux préselectionnés) pour sélectionner la première préselection
2. Enfoncez **1-6** et tenez le enfoncé pour sélectionner les préselections #1, #2, #3, #4, #5, or #6

CDX Mode

1. Enfoncez **CDX** (changeur CD) et tenez le enfoncé pour sélectionner Disc 1, Disc 2, Disc 3, etc. dans le changeur

"R" Pulse

1. Enfoncez  pour changer la sortie "C" de la source de 0 volts à +12 volts pour 500ms. Le courant disponible est 300mA.

ALLGEMEINE BEDIENUNG

Bass, Treble, Fader, Balance, Sub, Volume

1. Drücken Sie **AUD**, um BASS>TREB>FADE*>BAL>SUB*>VOL zu wählen
2. Drücken Sie **VOL** (\pm), um die Einstellung zu verändern

Uhr

1. Drücken und halten Sie **CLOCK** für zwei Sekunden, um die Digital-Anzeige zum Blinken zu bringen
2. Drücken Sie **TUNE** (\wedge/\vee), um die Stunden einzustellen
3. Drücken Sie wieder **CLOCK**, um auf die Minuten umzuschalten
4. Drücken Sie **TUNE** (\wedge/\vee), um die Minuten einzustellen

Display aufrufen

1. Drücken Sie **DSPL**, um das Display zwischen Tuner, CD, CDX, oder EX AUD* und Uhr umzuschalten

Display Einstellungen

1. Drücken Sie die **SINE WAVE** Taste, um die Tuner-Einstellung auszuwählen
2. Drücken und halten Sie **DSPL** für zwei Sekunden
3. Drücken Sie **PRESET 6**, um zwischen Tuner, Titel # & verstrichene Spielzeit, EX AUD* oder Uhr umzuschalten

Display Helligkeit*

1. Drücken und halten Sie **DSPL** für zwei Sekunden
2. Drücken Sie **DIM**, um die Intensität umzuschalten; 0 (off), 4 (max)

Display Farbe*

1. Drücken und halten Sie **ILLUM** für zwei Sekunden, um zwischen Green oder Amber auszuwählen

* Nur bei bestimmten Modellen vorhanden

BEDIENUNG DES TUNERS

Weltweiter Tuner

Das Frequenzband des Tuners kann programmiert werden, um in den verschiedenen Ländern einwandfrei zu funktionieren (ausgenommen Japan).

1. Drücken und halten Sie **DSPL** für zwei Sekunden
2. Drücken Sie **SINE WAVE** (Tuner)
3. Drücken Sie **SEL**, um zwischen AMERICAS, EUR/AUST und SAUDI umzuschalten

Tuner Einstellung – AM>FM1>FM2>FM3

1. Drücken Sie **SINE WAVE** (tuner), um die Tuner-Einstellung aufzurufen
2. Drücken Sie **SINE WAVE** (tuner), um zwischen FM1, FM2, FM3 oder AM auszuwählen

Sender-Festeinstellung

1. Suchen Sie die Station, die gespeichert werden soll
2. Drücken und halten Sie **DSPL** für zwei Sekunden
3. Drücken und halten Sie **PRESET (#1, #2, #3, #4, #5, #6)** für zwei Sekunden

8115/8120 Radio Suchfunktionen – SEEK>TUNE>SCAN

1. Drücken Sie **SEL**, um zwischen Seek, Tune oder Scan auszuwählen
2. Drücken Sie **TUNE (^/v)**, um die Radio-Station auszuwählen

8130/8140 Radio Suchfunktionen – SEEK>TUNE

SEEK Einstellung

1. Drücken Sie **TUNE (^/v)**, um zur nächsten Radio-Station zu springen

TUNE Einstellung

1. Drücken und halten Sie **TUNE (^/v)**, um den Suchmodus einzustellen
2. Drücken Sie **TUNE (^/v)**, um die Radiostationen manuell auswählen zu können

Automatisches Speichern

Das Radio wird die stärksten Sender, nacheinander und automatisch in dem ausgesuchten Band abspeichern (18 FM und 6 AM)

1. Drücken und halten Sie **P.SCN** für zwei Sekunden, um den automatischen Modus ein-oder auszuschalten

Anspielfunktion

Wenn die Anspielfunktion ausgewählt wurde, wird jeder gespeicherte Sender für 5 Sekunden angespielt und dann springt das Radio zum Nächsten voreingestellten Sender (18 FM oder 6 AM)

1. Drücken Sie **P.SCN**, um die Anspielfunktion ein-oder auszuschalten

BEDIENUNG DES CD-PLAYERS

Anspielfunktion

Der CD-Player wird jeden Titel 10 Sekunden anspielen und dann zum Nächsten springen

1. Drücken Sie **SCAN**, um die Anspielfunktion ein-oder auszuschalten

Wiederholfunktion

Der CD-Player wird den gerade gespielten Titel wiederholen

1. Drücken Sie **RPT**, um den Wiederholmodus ein-oder auszuschalten

Zufallswiedergabe

Der CD-Player wird die verschiedenen Titel der CD nach einem Zufallsprinzip auswählen und abspielen

1. Drücken Sie **RDM**, um die Zufallswiedergabe ein-oder auszuschalten

BEDIENUNG DES CD-WECHSLERS

CD Auswählen

1. Drücken und halten Sie **CDX**, um die CD's zu wechseln

Anspielen des Magazins

Der CD-Wechsler wird von jeder CD die ersten 10 Sekunden, des ersten Titels, anspielen

1. Drücken Sie **D.SCAN**, um den Anspielmodus ein-oder auszuschalten

Wiederholfunktion Titel

1. Drücken Sie **RPT**, um den Wiederholmodus einzuschalten
2. Drücken Sie **RPT** zweimal, um den Wiederholmodus auszuschalten

Wiederholfunktion CD

1. Drücken Sie **RPT** zweimal, um den Wiederholmodus einzuschalten
2. Drücken Sie **RPT** ein drittes Mal, um den Wiederholmodus auszuschalten

Zufallswiedergabe

Die Zufallswiedergabe wird die, auf den CD's enthaltenen Titel, in einer zufälligen Reihenfolge wiedergeben

1. Drücken Sie **RDM**, um die Zufallswiedergabe ein-oder auszuschalten

8130 BEDIENUNG DES EXTERNEN AUDIO EINGANGS

Der im 8130 enthaltene, externe zweikanal Audio Eingang, erlaubt es, das Radio mit einer beliebigen anderen Quelle zu verbinden (Videorekorder, Videospiel usw.)

1. Drücken Sie **SEL**, um den EX AUDIO mode anzuwählen (CD-Wechsler DIN)
2. Drücken Sie ein zweites Mal, um wieder auf den CD/tuner umzuschalten
--ODER--
1. Grün/weißes Kabel auf **Karosserie Masse** erden, um auf EX AUDIO mode zu schalten
2. Grün/weißes Kabel von der **Masse** entfernen, um auf CD/Tuner mode umzuschalten

8140 BEDIENUNG DES EXTERNEN AUDIO EINGANGS

Der im 8140 enthaltene, extern zweikanal Audio Eingang, erlaubt es, das Radio mit einer beliebigen anderen Quelle zu verbinden (Videorekorder, Videospiel usw.)

Extern Audio-1 (Cinch)

1. Drücken Sie **SEL**, um auf EX AUD 1 umzuschalten
2. Drücken Sie **SEL** ein zweites Mal, um wieder zurück auf CD/tuner zu schalten

Extern Audio-2 (CDX DIN)

1. Grün/weißes Kabel auf **Karosserie Masse** erden, um auf EX AUD 2 mode zu schalten
2. Grün/weißes Kabel von der **Masse** entfernen, um auf CD/Tuner mode umzuschalten

Die **SEL** Taste wird zwischen EX AUD 1 und EX AUD 2 umschalten, wenn das grün/weiße Kabel mit Masse verbunden ist.

ACHTUNG: Das Radio kann nur eine Quelle zur Zeit verarbeiten, wenn sich der externe Audio Input #2 und der CD-Wechsler den gleichen 13-poligen DIN Stecker teilen.

IR REMOTE OPERATION

Tuner Einstellung – AM>FM1>FM2>FM3

1. Drücken und halten Sie **SINE WAVE** (tuner), um zwischen FM1, FM2, FM3 oder AM auszuwählen

Tuner Presets – (1-6)

1. Drücken Sie **1-6** (Speicherplätze), um den Speicherplatz #1 zu wählen
2. Drücken und halten Sie **1-6**, um einen Speicherplatz #1, #2, #3, #4, #5, oder #6 zu wählen

CDX-Wechsler

1. Drücken und halten Sie **CDX**, um CD1, CD2, CD3 usw. zu wählen

“R” Pulse

1. Drücken Sie , um den “Ausgang C”, des Radios von 0V auf +12V für 500ms umzuschalten. Der vorhandene Strom ist 300mA.

FUNZIONI COMUNI

Bassi, Alti, Fader, Bilanciamento, Sub, Volume

1. Premere **AUD** per selezionare BASS>TREB>FADE*>BAL>SUB*>VOL
2. Premere **VOL** (\pm) per regolare la vostra selezione

Orologio

1. Premere premuto **CLOCK** per 2 secondi, le cifre delle ore lampeggiano
2. Premere **TUNE** (^/v) per regolare le ore
3. Premere **CLOCK** per far lampeggiare le cifre dei minuti
4. Premere **TUNE** (^/v) per regolare i minuti

Visualizzazione del display

1. Premere **DSPL** piú volte per visualizzare TUNER, CD, CDX, EX AUD*, CLOCK

Impostazione del Display

1. Premere il tasto **Onda Sinusoidale** per selezionare il tuner
2. Tenere premuto il tasto **DSPL** per 2 secondi
3. Premere piú volte il tasto **Memoria 6** per selezionare Tuner, Traccia# e tempo trascorso o EX AUD* e l'orologio

Dimmer* dell'illuminazione

1. Tenere premuto **DSPL** per 2 secondi
2. Premere piú volte **DIM** per variare l'intensità tra 0 (spento) e 4 (max)

Colore* dell'illuminazione

1. Tenere premuto **ILLUM** per 2 secondi per passare da verde ad ambrata

* Caratteristiche disponibili solo su determinati modelli

SINTONIZZATORE

Sintonizzatore a copertura mondiale

Le bande di frequenza del sintonizzatore possono essere programmate per adeguarsi ai diversi sistemi dei paesi (Giappone escluso).

1. Tenere premuto **DSPL** per 2 secondi
2. Premere il tasto **Onda Sinusoidale** (Tuner)
3. Premere piú volte **SEL** per selezionare tra AMERICAS, EUR/AUST e SAUDI

Nota: per l'Italia selezionare EUR/AUST

Funzione sintonizzatore AM>FM1>FM2>FM3

1. Premere il tasto **Onda Sinusoidale** per selezionare il sintonizzatore
2. Premere piú volte il tasto **Onda Sinusoidale** per selezionare FM1, FM2, FM3, AM

Memorie del sintonizzatore

1. Sintonizzare la stazione da memorizzare
2. Tenere premuto **DSPL** per 2 secondi
3. Tenere premuto il tasto della memoria desiderata (**#1, #2, #3, #4, #5, #6**) per 2 secondi

8115/8120 Modalità di ricerca – SEEK>TUNE>SCAN

1. Premere **SEL** per selezionare SEEK > TUNE > SCAN
2. Premere **TUNE** (^/v) per sintonizzare

8130/8140 Modalità di ricerca – SEEK>TUNE

Funzione SEEK (ricerca automatica)

1. Premere il tasto **TUNE** (^/v) per sintonizzare la stazione successiva

Funzione TUNE (ricerca manuale)

1. Tenere premuto il tasto **TUNE** (^/v)
2. Premere **TUNE** (^/v) per selezionare manualmente la stazione

Auto Store

Il sintonizzatore ricercherà e memorizzerà temporaneamente le stazioni piú forti nelle bande selezionate (6 AM e 18 FM)

1. Tenere premuto il tasto **P.SCN** per 2 secondi per attivare/disattivare la funzione AUTO STORE

Scan delle memorie

Quando questa funzione é attivata la radio sintonizzerá in modo sequenziale le stazioni memorizzate per 5 secondi ciascuna (fino a 18 in FM o 6 in AM)

1. Premere **P.SCN** per attivare/disattivare la funzione

CD (COMPACT DISC)

Preascolto delle tracce

Il CD player suonerà ogni traccia del disco per 10 secondi

1. Premere il tasto **SCAN** per attivare/disattivare la funzione

Ripetizione

Il CD continuerà a ripetere la stessa traccia

1. Premere il tasto **RPT** per attivare/disattivare la funzione

Riproduzione casuale

Il CD suonerà in ordine casuale le tracce del disco

1. Premere il tasto **RDM** per attivare/disattivare la funzione

CDX (CAMBIA DISCHI ESTERNO OPZIONALE)

Selezione dei dischi

1. Tenere premuto il tasto **CDX** (pila di dischi) per selezionare il disco

Preascolto dei dischi

Il CD changer suonerà i primi 10 secondi della prima traccia di ciascun disco

1. Premere **D.SCAN** per attivare/disattivare la funzione

Ripetizione traccia

1. Premere il tasto **RPT** per selezionare la ripetizione della traccia
2. Premere **RPT** per disattivare la ripetizione della traccia

Ripetizione disco

1. Premere **RPT** 2 volte per selezionare la ripetizione del disco
2. Premere **RPT** per disattivare la ripetizione del disco

Riproduzione casuale

Il CD suonerà in ordine casuale le tracce dei dischi contenuti nel changer

1. Premere il tasto **RDM** per attivare/disattivare la funzione

8130 FUNZIONAMENTO CON INGRESSO AUDIO ESTERNO

L'ingresso audio esterno del 8130 è un ingresso 2 canali che permette di ascoltare una sorgente esterna (VCR, Video Game, ecc.)

1. Premere **SEL** per selezionare EX AUDIO (Connettore DIN)
2. Premere **SEL** per tornare al funzionamento normale

--OPPURE--

1. Portare a massa il cavo **Verde/Bianco** per selezionare EX AUDIO
2. Disconnettere **Verde/Bianco** dalla massa per tornare al funzionamento normale

8140 FUNZIONAMENTO CON INGRESSO AUDIO ESTERNO

Gli ingressi audio esterni del 8140 sono ingressi a 2 canali che permettono di ascoltare due sorgenti esterne (VCR, Video Game, ecc.)

Audio esterno #1 RCA

1. Premere **SEL** per attivare EX AUD 1
2. Premere **SEL** per tornare al funzionamento normale

Audio esterno #2 (CDX DIN)

1. Portare a massa il cavo **Verde/Bianco** per selezionare EX AUD 2
2. Disconnettere il cavo **Verde/Bianco** dalla massa per tornare al funzionamento normale

Il tasto **SEL** permette di commutare da EX AUD 1 ad EX AUD 2 quando il cavo Verde/Bianco é a massa

NOTA: L'ingresso audio EX AUD 2 e il CD Changer impiegano lo stesso connettore 13 poli DIN, da cui la possibilità di collegare solo uno dei apparati esterni contemporaneamente

FUNZIONAMENTO CON TELECOMANDO AD INFRAROSSI

Funzione sintonizzatore – AM>FM1>FM2>FM3

1. Premere il tasto **Onda Sinusoidale** per selezionare il sintonizzatore
2. Premere piú volte il tasto **Onda Sinusoidale** per selezionare FM1, FM2, FM3, or AM


Memorie del sintonizzatore – (1-6)

1. Premere il tasto **1-6** (preselezione dei canali) per selezionare la memoria #1
2. Tenere premuto il tasto **1-6** per selezionare le memorie #1, #2, #3, #4, #5, #6

CDX (cambia dischi opzionale)

1. Tenere premuto il tasto **CDX** (pila di dischi) per selezionare il Disco 1, Disco 2, Disco 3, ecc.)

Impulso "R"

1. Premere il tasto  per dare un impulso di 500 ms a +12 volt all'uscita "C" dell'autoradio. La massima corrente disponibile é 300 mA

DICHIARAZIONE DI CONFORMITÀ

La sottoscritta Rockford Europe GmbH, con sede in BREMEN-GERMANIA in qualità di mandatario della Rockford Corporation di Tempe, AZ - USA, dichiara che gli apparecchi radiorecipienti modelli RFX-8115, RFX-8120, RFX-8130, RFX-8140 rispondono alle norme contenute nel Decreto 20 agosto 1995, n. 548.

MADE IN MEXICO

Designed and Engineered in the USA

by Delco Electronics and Rockford Fosgate

This product was assembled by Delco Electronics at Deltronicos de Matamoros, Mexico. Due to the global nature of their manufacturing facilities and the electronics parts industry in general, some parts may be manufactured in other countries.

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