

Model FM Owner's Manual

Version 2.3









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Table of Contents

Introduction	Page 3
Install Your RediRad	Page 5
Rediscover Your Radio!	Page 7
Other Important Stuff	Page 8
Troubleshooting	Page 8
Legal Mumbo Jumbo	Page 9
Return Policy	Page 9
Warranty Policy	Page 10

Introduction

Thank you very much for purchasing the RediRad $^{\text{TM}}$ model FM from RediRad, LLC.

Please read this time-saving manual before installing or using your RediRad™.

The RediRad™ model FM is designed for use with any vehicle having a 12 volt, *negative-ground* electrical system and functional audio equipment that will tune in 91.1 MHz on the FM radio band.

In most cases, it will take a person with average mechanical and electrical skills about 30 minutes to install. If you feel that installing your RediRad $^{\text{TM}}$ is beyond your abilities, please get assistance from a friend or have it installed by a pro.

Once it's installed, you control the soundtrack of every drive as you enjoy music favorites from almost every mobile and music device.

As both a "car guy" and the inventor of the RediRad™, your satisfaction means everything to me. If you have RediRad™ related questions involving installation or its usage, please call me. My direct number is 262 646 3363.

The open road is calling. Are you "Redi"?

Respectfully, ~Matthew Planning RediRad™ Inventor **RediRad™ Inputs and Outputs**



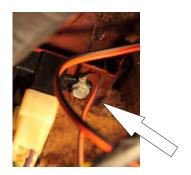
- Audio input cable with a 1/8" (3.5mm) stereo male plug. Insert into your phone / portable source headphone socket.
- **2** Connect these to vehicle power and ground:
 - Connect the RED wire to a point on the fuse panel that is energized when the radio is energized.
 - Connect the BLACK wire to vehicle ground.
- Unplug the antenna cable from the radio, then insert this cable into your radio's antenna jack.
- Insert the antenna cable here.

Some vehicles require antenna cable connector adapters, which are available separately online at Amazon or at your local Best Buy store.

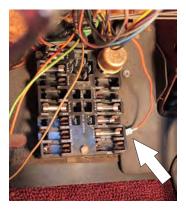
Install Your RediRad™

Disconnect the negative cable from the battery BEFORE YOU BEGIN.

Install your RediRad™ and its wiring so that it will NOT interfere with normal operation of the accelerator, brake or clutch pedal.



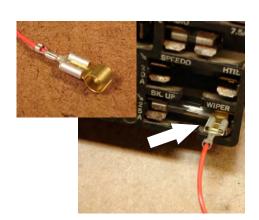
Connect the BLACK wire to vehicle GROUND.



Connect the RED wire to a KEY-ON-HOT connection.







Use either of the enclosed brass fuse adapters if the fuse panel does not have a key-on-hot accessory power tab.

Next, locate and unplug the vehicle's antenna cable from the radio. It is often helpful to first remove the glove compartment to gain visibility and access to the antenna cable. The antenna cable is usually black and the same diameter as used for in-home TV co-ax.



Insert the RediRad's male cable into the radio's antenna jack.



Insert the vehicle's antenna cable into the RediRad's antenna jack.

Some vehicles require antenna cable connector adapters, which are available separately online at Amazon or at your local Best Buy store.

Use the black zip-ties (provided) to secure your RediRad™ to a nearby bracket behind the vehicle's dashboard.

Now hear this... Now hear this!

Install your RediRad-FM[™] so that neither it nor its wiring interferes with normal operation of the pedals.



Turn the radio on and **tune it to 91.1 MHz on the FM band**. (HINT: Program this frequency in a radio 'preset' for quick access.)

Insert the audio-input plug into your phone / portable source's HEADPHONE socket.

Set the portable device's output volume level to about two-thirds (66%) of maximum output and play your desired program.

All broadcast signals on 91.1 MHz (if any) will disappear within a few seconds, making way for your music.

If your music sounds distorted, lower the portable music source volume until it is clear. If your RediRad-FM™ unintentionally changes back to the radio either during or between songs, increase the portable music player's volume as needed.

Normal broadcast radio operation will automatically return 15 seconds after disconnecting your phone or portable music source.

Other important stuff that you need to know ...

Once again, it is critically important that your RediRad-FM $^{\text{TM}}$ does NOT interfere with the accelerator, brake or clutch pedals.

Installing a RediRad-FM™ in most vehicles should take a person with prior experience and the proper tools less than one hour. With that in mind, if you feel that installing your RediRad-FM™ is beyond your abilities, either get assistance from a friend or have it installed by pros.

Although your RediRad-FM™ will perform the same regardless of physical orientation, we recommend mounting your RediRad-FM™ out of direct sunlight and away from heater or defroster outlets.

On some newer (computer-controlled) vehicles, ignition 'whine' and/or background noise may be heard, caused by a "ground loop". As a test, you can safely disconnect the small black ground wire and compare operational performance. It is safe to remove it if it reduces noise.

Because the RediRad-FM™ is not a wireless modulator it will not interfere with other radios or electronic systems on the vehicle.

If you have difficulty installing your RediRad-FM™, we will do what we can to help. Before calling us, please search youtube.com for radio installation videos specific to your vehicle.

Please understand that the RediRad-FM $^{\text{m}}$ can only operate properly in a vehicle with a healthy electrical system.

Vehicle Electrical System Checklist

If your listening experience isn't what you think it could be, here are a few vehicle-specific troubleshooting ideas to explore:

- 1) Vehicle ground straps electrically bond the body, chassis and driveline both to each other and to the battery's ground terminal. Are yours frail, corroded or missing altogether?
- 2) Noise-suppression "condensers" on ignition, charging and radio circuits. Are yours weak or missing?
- 3) Internal radio circuitry suffers from time, dust and nicotine. If your radio suffers from noisy/crackly volume controls, a loud audible "hum", weak reception of otherwise strong local radio signals, consider electrically restoring the radio. Go to **redirad.com** & click on the "Radio Restoration" link for a list of qualified radio repair shops in the US and Canada.
- 4) The speaker's voice coil and paper cone are vulnerable to time, rays from the sun and dust. Sun-baked, ripped speaker cones and dirty voice coils can kill both the speaker's output signal level and quality. Having the speaker(s) re-coned significantly improves both.
- 5) Weak or blown alternator diode(s) AC riding on the DC line adds noise.

Now, the Legal Mumbo-Jumbo...

Seriously, we have made every attempt to provide a fail-safe accessory that will enhance the motoring experience in your Freedom Machine for many years to come. However, RediRad, LLC, assumes no liability for its use.

In other words, you (the RediRad[™] user) shall hold harmless RediRad, LLC, including its members, employees or investors, and assume full responsibility for any and all damage incurred to people, vehicles or other property while operating a vehicle equipped with a RediRad[™].

UNDER NO CIRCUMSTANCES SHALL THE COMPANY'S MAXIMUM LIABILITY EXCEED THE PURCHASE PRICE OF THE UNIT BEING CLAIMED TO BE DEFECTIVE.

SIXTY-DAY MONEY-BACK GUARANTEE

We are confident that you will enjoy your RediRad™ and it will perform as advertised. However, if you are dissatisfied with its performance or our claims, you may return your RediRad™ within 60 days of delivery for a refund minus shipping.

Please contact us BEFORE returning your RediRad. Returns without prior communication will not be acknowledged.

Be advised that the returned RediRadTM must be returned in as-new and sellable condition, with a copy of your invoice to ensure full credit. If the returned RediRadTM shows signs of wear or is modified in any way, we may assess a 25% restocking fee.

IN NO EVENT SHALL THE COMPANY'S MAXIMUM LIABILITY EXCEED THE SELLING PRICE OF THE UNIT CLAIMED TO BE DEFECTIVE.

By installing and/or using this product, you fully agree to all of the above terms.

Parts & Labor Warranty

LIMITED TWO-YEAR PARTS AND LABOR WARRANTY THAT COVERS YOUR REDIRAD, LLC, EFFECTIVE FROM ORIGINAL INVOICE DATE.

THIS WARRANTY APPLIES TO THE RediRad™ (the "Unit") THAT IS THE SUBJECT OF THIS SALE AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED. THIS WARRANTY DOES NOT APPLY TO ANY ACCESSORY THAT IS NOT A PART OF THE UNIT AS SHIPPED BY REDIRAD, LLC. THIS WARRANTY APPLIES ONLY TO THE UNIT MANUFACTURED BY THE COMPANY.

REDIRAD, LLC, (the "Company") of Delafield, Wisconsin, warrants that the unit is free from defects in materials and workmanship and will operate properly under normal use and service, for the twenty-four months following the original invoice date.

WARRANTY Coverage includes repair or replacement, at the Company's option, of any defective parts that fail under normal use for two years following the invoice date under the terms, conditions and limitations of the warranty. All defective parts shall be returned for repair to the Company at the owner's expense.

The Company reserves the right to impose an inspection charge and/or a restocking fee in cases where parts or equipment have been improperly returned as either defective and/or as not being under warranty.

WARRANTY coverage also includes Labor Charges on all covered repairs performed by REDIRAD, LLC, in accordance with the terms, conditions and limitations of the warranty. Extra charges such as third-party installation fees are not covered.

Notes



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