

MFJ

DC Line RFI Filter

Model MFJ-1142

INSTRUCTION MANUAL

CAUTION: Read All Instructions Before Operating Equipment

MFJ ENTERPRISES, INC.

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VERSION 1A

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DISCLAIMER

Information in this manual is designed for **user purposes only** and is *not* intended to supersede information contained in customer regulations, technical manuals/documents, positional handbooks, or other official publications. The copy of this manual provided to the customer will *not* be updated to reflect current data.

Customers using this manual should report errors or omissions, recommendations for improvements, or other comments to MFJ Enterprises, 300 Industrial Park Road, Starkville, MS 39759. Phone: (662) 323-5869; FAX: (662) 323-6551. Business hours: M-F 8-4:30 CST.

Introduction

Thank you for purchasing the MFJ-1142 DC Line RFI Filter. This is a versatile in line DC Filter that can be used with all types of sensitive equipment that needs DC line protection. DC lines are subject to a variety of transients and surges that can cause damage to sensitive electronic equipment such as transceivers, audio equipment, etc. The MFJ-1142 empowers you to protect your valuable equipment.

Operation

The MFJ-1142 DC Line RFI Filter uses capacitive decoupling and inductive isolation to eliminate RFI signals. It reduces RFI, hash, noise transients, noise generated by motors, alternators or fuel pump whine.

Features

The Transceiver Surge Protector is designed to operate at 12 or 24 Volts DC and can handle up to 30 Amps total. The MFJ-1142 is equipped with heavy-duty 5-way binding posts and Anderson PowerPoles for input and output. Mounting tabs support permanent installation on a wide variety of surfaces.

Constructed from a sturdy aluminum chassis, the unit measures only 2 3/4" H x 3" W by 4 3/4" D The MFJ-1142 DC Line RFI Filter includes an additional ground.

WARNING: Install the DC Filter away from excessive moisture or where other conductive contaminants are present. Never install electrical wiring during an electrical storm.

Getting Started

Installation of the MFJ-1142 is fast and easy:

1. **Choose a convenient location** in close proximity of sensitive equipment that you want to protect. Make sure the location that you have chosen is cool, dry, and well ventilated.
2. **Connect the DC Line RFI Filter** Plug the DC input line cord into a well grounded DC power supply or Battery using heavy-duty 5-way binding posts and Anderson PowerPoles. This is the **INPUT**.
3. **Connect the equipment to the DC Line RFI Filter.** Plug the equipment that you want to protect into the heavy-duty 5-way binding posts or Anderson PowerPoles. This is the **OUTPUT**
4. **Connect the earth ground.** A good earth ground should be installed and connected to the case of the MFJ-1142. This will provide the best possible performance of the filter as well as safety for the operator.
5. **Mount the Surge Protector**, if desired, using the mount tabs on each end of the filter.

Specifications

System

DC Voltage	120VAC
Frequency	DC
Maximum Continuous DC Current Rating	25A
DC Outlets	2 (heavy-duty 5-way binding posts and Anderson PowerPoles)

Physical

Unit Dimensions	2 3/4 "H x 3.0"W x 4 3/4"L
Unit Weight	1.0 lbs
Construction	Sturdy Aluminum
Mounting Tabs	2
Housing Color	Black

In Case of Difficulty

If the fuse on your transceiver cable blows, outlets will cease to provide power. Reduce the load on the filter down to the units amp rating by unplugging excess equipment, then replace the fuse on your cable.

Technical Assistance

If you have any problem with this unit first check the appropriate section of this manual. If the manual does not reference your problem or your problem is not solved by reading the manual you may call *MFJ Technical Service* at **662-323-0549** or the *MFJ Factory* at **662-323-5869**. You will be best helped if you have your unit, manual and all information on your station handy so you can answer any questions the technicians may ask.

You can also send questions by mail to MFJ Enterprises, Inc., 300 Industrial Park Road, Starkville, MS 39759; by Facsimile to 662-323-6551; or by email to techinfo@mfjenterprises.com. Send a complete description of your problem, an explanation of exactly how you are using your unit, and a complete description of your station.

LIMITED 12 MONTH WARRANTY

MFJ Enterprises, Inc. warrants to the original owner of this product, if manufactured by MFJ Enterprises, Inc. and purchased from an authorized dealer or directly from MFJ Enterprises, Inc. to be free from

defects in material and workmanship for a period of 12 months from date of purchase provided the following terms of this warranty are satisfied.

1. The purchaser must retain the dated proof-of-purchase (bill of sale, canceled check, credit card or money order receipt, etc.) describing the product to establish the validity of the warranty claim and submit the original or machine reproduction of such proof of purchase to MFJ Enterprises, Inc. at the time of warranty service. MFJ Enterprises, Inc. shall have the discretion to deny warranty without dated proof-of-purchase. Any evidence of alteration, erasure, or forgery shall be cause to void any and all warranty terms immediately.

2. MFJ Enterprises, Inc. agrees to repair or replace at MFJ's option without charge to the original owner any defective product under warrantee provided the product is returned postage prepaid to MFJ Enterprises, Inc. with a personal check, cashiers check, or money order for **\$10.00** covering postage and handling.

3. This warranty is **NOT** void for owners who attempt to repair defective units. Technicalconsultation is available by calling the Service Department at 662-323-0549 or the MFJ Factory at 662-323-5869.

4. This warranty does not apply to kits sold by or manufactured by MFJ Enterprises, Inc.

5. Wired and tested PC board products are covered by this warranty provided **only the wired and tested PC board product is returned.** Wired and tested PC boards installed in the owner's cabinet or connected to switches, jacks, or cables, etc. sent to MFJ Enterprises, Inc. will be returned at the owner's expense unrepaired.

6. Under no circumstances is MFJ Enterprises, Inc. liable for consequential damages to person or property by the use of any MFJ products.

7. Out-of-Warranty Service: MFJ Enterprises, Inc. will repair any out-of-warranty product provided the unit is shipped prepaid. All repaired units will be shipped COD to the owner. Repair charges will be added to the COD fee unless other arrangements are made.

8. This warranty is given in lieu of any other warranty expressed or implied.

9. MFJ Enterprises, Inc. reserves the right to make changes or improvements in design or manufacture without incurring any obligation to install such changes upon any of the products previously manufactured.

10. All MFJ products to be serviced in-warranty or out-of-warranty should be addressed to:

**MFJ Enterprises, Inc.
300 Industrial Park Road
Starkville, Mississippi 39759 USA**

and must be accompanied by a letter describing the problem in detail along with a copy of your dated proof-of-purchase.

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



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