

# **MFJ**

## *Transceiver Surge Protector*

*Model MFJ-1163*

### **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.

# **MFJ-1163 Transceiver Surge Protector**

## **Introduction**

Thank you for purchasing the MFJ-1163 Transceiver Surge Protector. This is a versatile AC Surge Protector that can be used with all types of sensitive equipment that needs AC line protection. Power 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-1163 empowers you to protect your valuable equipment and data from unpredictable power disturbances.

## **Operation**

The MFJ-1163 Transceiver Surge Protector uses capacitive decoupling of differential and common mode RFI signals. These components provide super fast, nano-second overvoltage protection to protect against surges and erroneous transients.

## **Features**

The Transceiver Surge Protector is designed to operate at 120 Volts AC and can handle up to 25 Amps total at a maximum power of 3000 Watts. Four US Standard AC outlets are provided so you can protect multiple devices simultaneously. The MFJ-1163 uses a heavy-duty 6ft. AC line cord that can withstand the stress and strain of long-term usage. Mounting tabs support permanent installation on a wide variety of surfaces.

Constructed from a sturdy aluminum chassis, the unit measures only 2"H x 3 ½"W by 11"L with plenty of room to plug in the largest of AC adapters. The Transceiver Surge Protector includes an additional ground and is fuse protected.

**WARNING:** DO NOT connect to an ungrounded outlet without connecting to the chassis ground. Install the AC 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-1163 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 Transceiver Surge Protector.** Plug the AC line cord into a US Standard 120VAC grounded three-prong utility outlet.
3. **Connect the equipment to the Transceiver Surge Protector.** Plug the equipment that you want to protect into any of the four outlets on the filter. (two- or three-prong AC cords will be protected.)
4. **Connect the earth ground.** A good earth ground should be installed and connected to the case of the MFJ-1163. 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.
6. **A 30 Amp fuse is used** to protect your equipment from a high current surge. If the fuse should blow in the case of an electrical storm, transients or surges, replace the fuse with a 30 Amp glass tube type fast blow fuse.

**CAUTION:** DO NOT overload your Transceiver Surge Protector. Each outlet can handle a load of up to 15 amps, but do not exceed a TOTAL load of more than 25Amps for all outlets.

**Specifications**

**System**

AC Voltage	120VAC
Frequency	50/60Hz
Maximum Continuous AC Current Rating	25A
Maximum Continuous Power Rating	3000W
Fast Blow Fuse	30A
AC Outlets	4

**Output**

Output Current Capacity	(per outlet)	15A
Outlet Quantity		4
Outlet Type		3 NEMA 5-15R
Outlet Orientation		Single row of 4
Outlet Spacing		2.8 in.

**Input**

Input Connection Type	NEMA 5-15P input plug
Input Cord Length	6 ft.
Recommended Electrical Service	15A, 120VAC

**Physical**

Unit Dimensions	2"H x 3.5"W x 11"L
Unit Weight	2.0 lbs
Construction	Sturdy Aluminum
Mounting Tabs	2
Housing Color	Black
Receptacle Color	Black
AC Line Color	Black

### **In Case of Difficulty**

If the fuse 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.

### **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](mailto: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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Version 1A  
Printed In U.S.A.