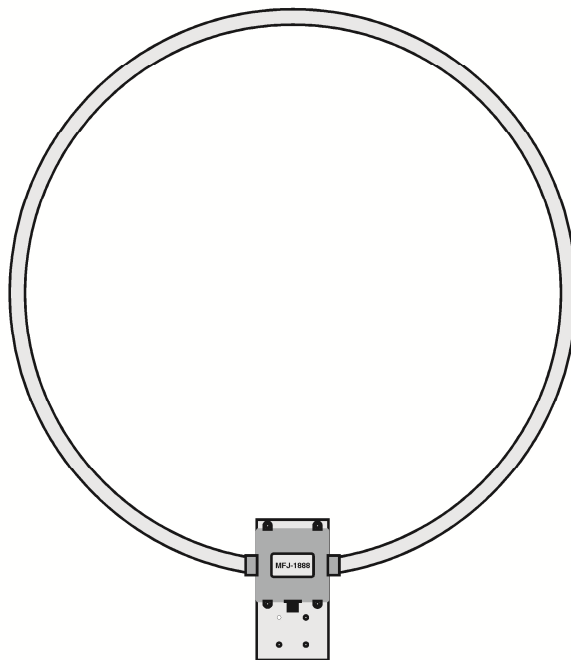


MFJ

Enhanced Receiving Loop and Multicoupler

Model MFJ-1888



INSTRUCTION MANUAL

CAUTION: Read All Instructions Before Operating Equipment

MFJ ENTERPRISES, INC.

300 Industrial Park Road
Starkville, MS 39759 USA
Tel: 662-323-5869 Fax: 662-323-6551

Thank you for purchasing the MFJ-1888 receive loop antenna. Your new antenna is composed of high strength material for good rigidity. It is also compact and light weight. The MFJ-1888 is an excellent choice for restricted space or portable installations.

The MFJ-1888 antenna frequency range extends from below 50 KHz to above 30 MHz. The antenna has strong null points. Rotating the antenna by hand is a good way to null noise and broadcast stations in your area. A rotator is recommended for seeking out weak stations.

The MFJ-1888 can be mounted on a tripod for temporary installations. This antenna comes fully assembled and ready to mount. The antenna attaches to any mast between 1" and 1-3/4" diameter. This antenna is fully assembled and ready to mount. Pick a mounting location well away from any other transmitting antennas. Transmitting signals close to the MFJ-1888 will damage the internal amplifier. This antenna can be used indoors if desired. Indoor locations tend to have more noise sources than outdoor locations. Pick a location well away from transmitting antennas. Transmit signals close to the MFJ-1888 can quickly damage its internal amplifier.

Safety is your most important consideration when installing and using this antenna. Survey the location before installing the antenna. Keep the MFJ-1888 Receiving antenna well away from potential hazards like power lines.

Enjoy your MFJ-1888 Receiving Loop Antenna!

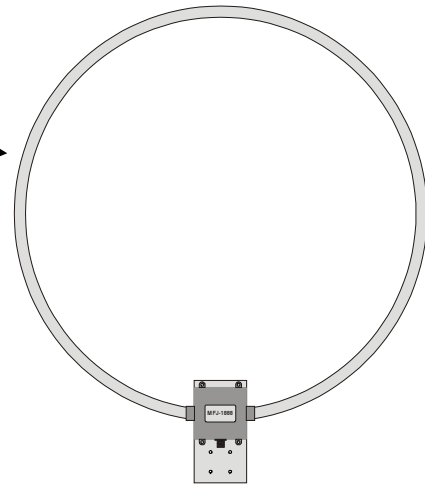
Included in the box:

Outdoor Receiving Loop

Indoor Receive Multicoupler

13.6V Power Adapter

U-Bolts



WARNING

KEEP THE ANTENNA AWAY FROM POWER LINES

Never mount or move any antenna where it can come into contact with power lines. If this antenna comes into contact with power lines, it can KILL you. Never mount any antenna where if it falls it could come into contact with power lines.

WARNING

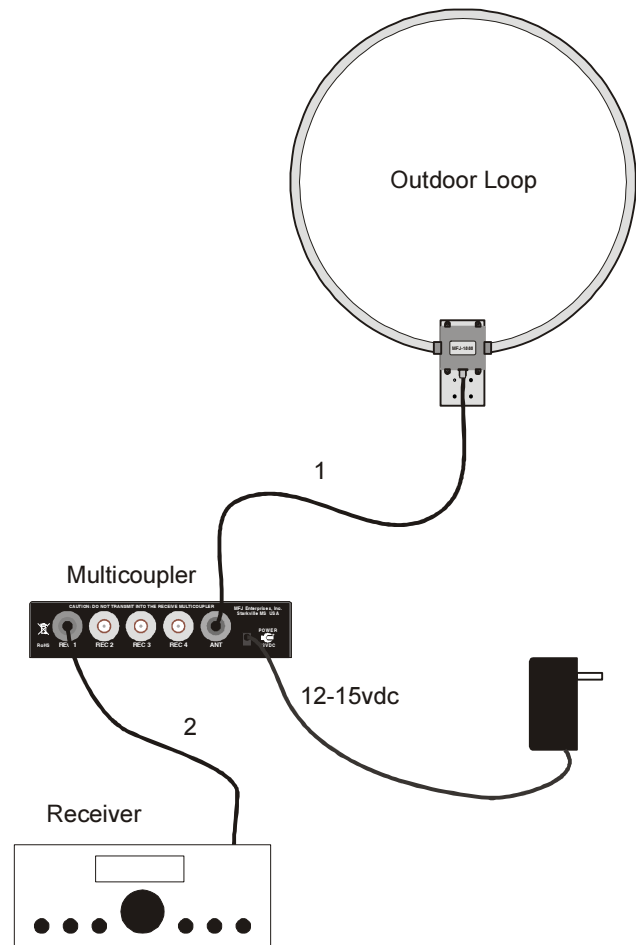
DO NOT TRANSMIT into the Multicoupler. The receive preamplifiers will be damaged.

Items Needed

1. 50 ohm cable with UHF connectors long enough to reach the antenna from the Multicoupler.
2. 50 ohm jumper cable with UHF connectors to go between the Multicoupler and the receiver.
3. If the receiver has different connectors than UHF then an adapter that will go between the radio connector and the cable.
4. Mast or tripod to support the loop.

Basic Wiring

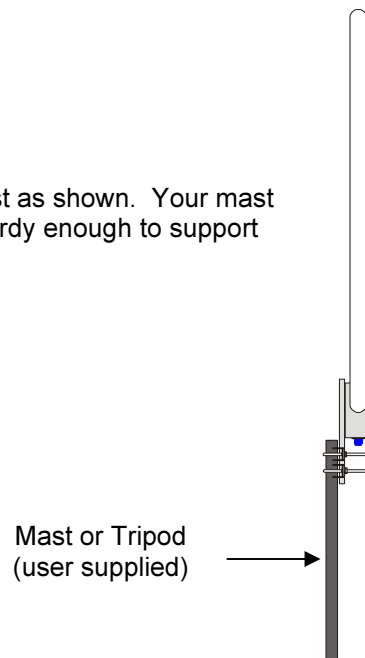
WARNING
DO NOT TRANSMIT into the Multicoupler. The receive preamplifiers will be damaged.



Mounting

Use the two supplied U-Bolts to secure the loop to your mast as shown. Your mast should be no more than 1-3/4 in diameter and should be sturdy enough to support the MFJ-1888 antenna.

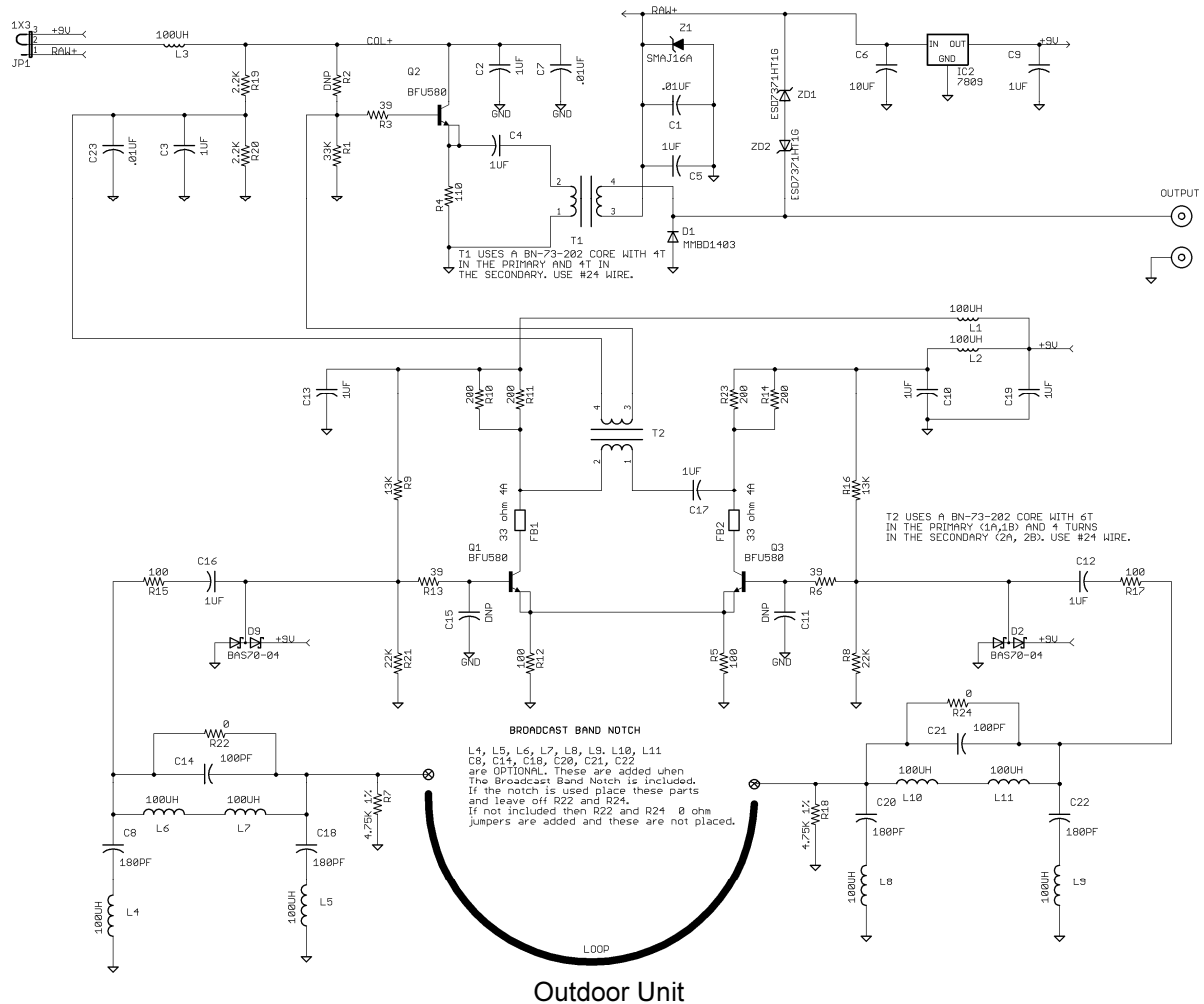
Caution
Do not use a grounding type antenna switch on the Antenna line from the Multicoupler to the Loop.
Any lightning protection must have DC continuity between the input and output and must not have a DC path to ground.
Any shorting of the line will damage the Multicoupler.

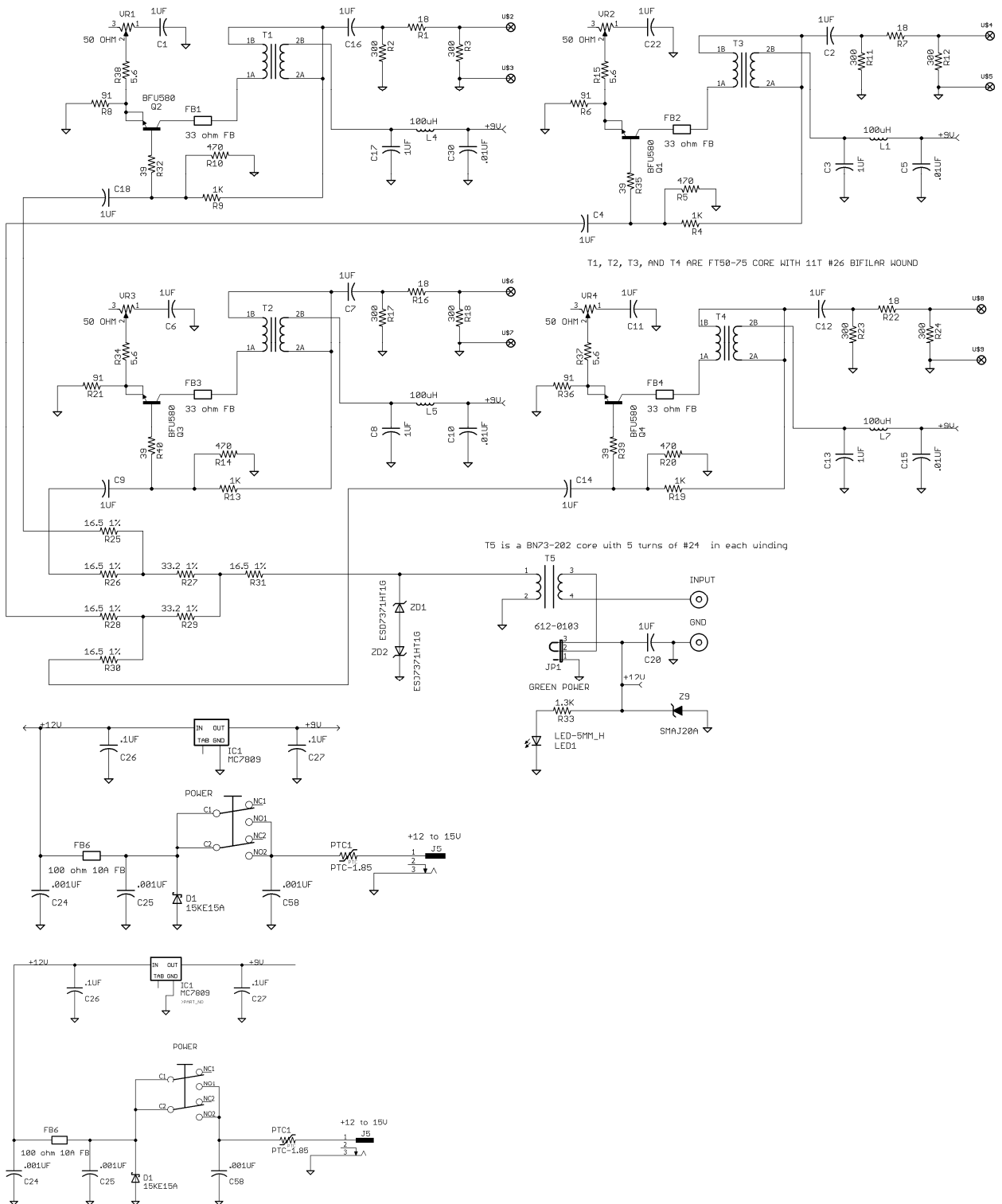


Wiring and Usage

1. Mount the antenna in a location away from power lines and transmit antennas. The loop can be placed inside but the likelihood of picking up noise is increased because of all of the noise sources inside the house.
2. Run the cable between the loop and the receiving location. Note the cable carries the DC power to the preamp in the loop so any lightning protection must have a DC path through and not short to ground.
3. Connect the cable from the loop to the ANT connector on the Multicoupler. Do not use an antenna switch that shorts unused antenna ports to ground. The ANT connector has +12VDC on it.
4. Connect the power adapter to the DC input and plug it into a 120VAC source.
5. The Multicoupler can handle up to 4 receivers. Connect the receiver to one of the receive ports on the back. If using a transceiver with the MFJ-1888 make sure that you DO NOT transmit into the Multicoupler. If your radio has a receive only connector then connect the Multicoupler to that port. If your radio has multiple antenna connectors make sure your radio switches over to the transmit antenna when transmitting before connecting to the Multicoupler.

Schematics





NOTES

FULL 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, of 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 provided the product is returned postage prepaid to MFJ Enterprises, Inc. with a personal check, cashiers check, or money order. This is good on all products except antennas and software to cover postage and handling for return from in warranty service. We also take MasterCard, Visa, American Express, and Discover credit cards. Postage and handling may vary according to the weight of the product in question. You should specify what type of delivery service you wish. We can send by UPS, U.S. Postal service or Fedex. MFJ doesn't guarantee delivery by US Postal Service.
3. MFJ Enterprises, Inc. will supply replacement parts free of charge for any MFJ product under warranty upon request, provided the following terms are satisfied. MFJ must receive the original parts you wish to replace, your proof-of-purchase, and a personal check, cashiers check or money order must be provided to cover postage and handling. Postage and handling may vary according to the weight of the product in question. We also take MasterCard, Visa, American Express and Discover credit cards.
4. This warranty is **NOT** void for owners who attempt to repair defective units. Technical consultation is available by calling (662) 323-5869.
5. This warranty does not apply to kits sold by or manufactured by MFJ Enterprises, Inc.
6. 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 un-repaired.
7. Under no circumstances is MFJ Enterprises, Inc. liable for consequential damages to person or property by the use of any MFJ products.
8. **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.
9. This warranty is given in lieu of any other warranty expressed or implied.
10. 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.
11. All MFJ products to be serviced in-warranty or out-of-warranty should be addressed to **MFJ Enterprises, Inc., 300 Industrial Park Rd, 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 and a telephone number.
12. This warranty gives you specific rights, and you may also have other rights, which vary from state to state.



MFJ ENTERPRISES, INC.

300 Industrial Park Road
Starkville, MS 39759

MFJ-1888 Manual
Version 1
Printed In U.S.A.