

## **MFJ-212 MatchMaker™**

### **Introduction**

This new MFJ-212 *MatchMaker*™ lets you tune up your antenna tuner without transmitting a single milliwatt! You can't cause QRM - there's no radiated power. You can precisely tune your antenna tuner for a **1:1 SWR** - no additional "tweaking" needed.

Protect your transceiver and antenna tuner. Avoid dangerous overheating and arcing caused by high SWR and long tune-ups. It's easy to use. Plugs between your transceiver and antenna tuner.

Adjust your tuner for a null in receiver noise by ear or by S-meter and you have **1:1 SWR!**

Tuning noise is modulated to make it easy to recognize.

And if you accidentally transmit, you won't burn up your MFJ-212 *MatchMaker*™. MFJ's *exclusive* RF\*Guard™ automatically bypasses your MFJ-212 to prevent damage. Works with all transceivers from 160 through 6 meters.

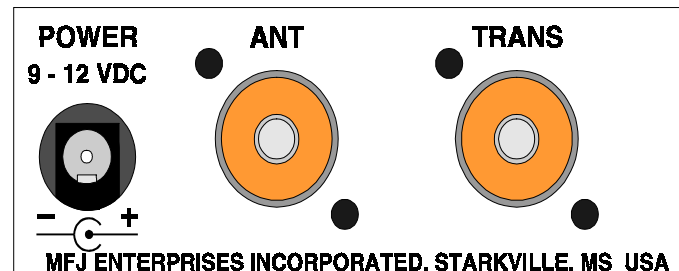
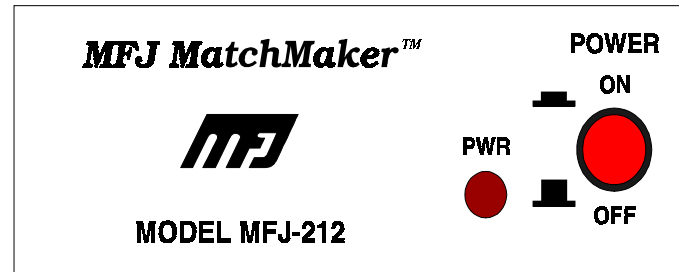
### **Installation and Operation**

The MFJ-212 *Match Maker*™ connects between your transceiver and antenna tuner. A 12 Vdc, 300 mA power supply such as the MFJ-1312B should be used to provide a proper power source for the MFJ-212 *Match Maker*™. Use a standard 2.1 mm coaxial plug with the center being positive and the sleeve being ground. Ensure that the **POWER** switch on the front panel is in the **OFF** position (out), then connect the power supply to the **POWER** jack on the rear panel.

**Note:** The MFJ-212 may also be powered by a **9V alkaline battery**. to access the battery connector, ensure the **POWER** switch on the front panel is in the **OFF** position (out), remove the screw on each side of the MFJ-212 and remove the cover. **Be sure to replace the cover before operating the unit!**

Connect the *Antenna out* jack on your transceiver to the **TRANS** jack and antenna tuner to the **ANT** jack of the MFJ-212. Apply power to your transceiver and tune to the desired frequency. Next, apply power to the MFJ-212 by pressing the **POWER** switch in. The **PWR** LED on the front panel of the MFJ-212 should begin flashing and you should hear a pulsing "white noise" from your receiver. Adjust your tuner for a null in receiver noise by ear or by S-meter and you have **1:1 SWR!** Your antenna is now *matched* to your transceiver! Remember to turn the power to the MFJ-212 **OFF** before using your transceiver.

## **MFJ-212 Front Panel**



### MFJ-212 Rear Panel

#### Technical Assistance:

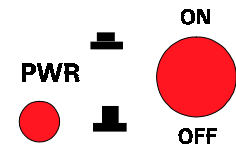
If you have any problem with this unit first check the appropriate section of this manual. If the manual does not reference your problem or your problem is not solved by reading the manual, you may call *MFJ Technical Service* at **601-323-0549** or the *MFJ Factory* at **601-323-5869**. You will be 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 FAX to 601-323-6551; through Compuserve at 76206,1763; or by email to 76206.1763@Compuserve.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.

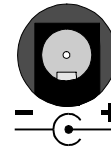
MFJ-212 Rear Panel

***MFJ MatchMaker***

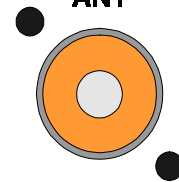
MODEL MFJ-212



**POWER**  
9 - 12 VDC



**ANT**



**TRANS**

