

# **MFJ-1925 / MFJ-1925 I2**

## **Atas Antenna Controller Instruction Manual**

Thank you for purchasing the MFJ-1925/1925 I2 Atas Antenna Controller. This MFJ controller allows the Yaesu Atas antenna to be used with the ICOM IC-706 and most other transceivers. MFJ-1925 I2 is designed to be used with the ICOM IC-706 transceiver. The MFJ-1925 is designed for other transceivers.

**Warning: Reversal of the Radio and ANT connections could damage you transceiver.**

### **MFJ-1925 Installation for Other Transceivers**

The MFJ-1925 is to be used with most other transceivers (not an ICOM IC-706) to tune the Yaesu Atas antenna. You must connect a +12 vdc power source to the MFJ-1925. Connect +12 Vdc to the red wire and connect Ground to the black wire. Connect the RF output of the transceiver to the Radio connector of the MFJ controller. Connect the Atas antenna to the ANT connector of the MFJ controller. If your radio does not have an SWR meter, an external SWR meter must be connected between the radio and the MFJ controller. This will allow you to monitor the SWR while tuning the Atas antenna with the MFJ controller.

### **MFJ-1925 Operation for Other Transceivers**

To tune the antenna set the output power to your radio to 10 watts or less. Put the radio into CW mode. While keying the radio press the Up/Down switch on the MFJ controller until a minimum SWR is reached. Press UP and hold the Up/Down switch to move the antenna UP. Press Down and hold the Up/Down switch on the MFJ controller to move the antenna down. Release the Up/Down switch on the MFJ controller once minimum SWR is obtained.

### **MFJ-1925 I2 Installation for ICOM IC-706**

The MFJ-1925 I2 is designed specifically for the ICOM IC-706 series transceiver. First, make sure the ICOM IC-706 is turned OFF. The RF output from the IC-706 should be connected to the Radio connector of the MFJ controller. The ANT connector of the MFJ controller should be connected to the Atas antenna. Plug the molded 4-pin plug from the MFJ controller to the Tuner Control Jack on the rear panel of the ICOM-706.

### **MFJ-1925 I2 Operation for ICOM IC-706**

After properly connecting the MFJ-1925 I2 to your ICOM IC-706 and to the antenna, turn the IC-706 on. Set the radio to the frequency and the mode of operation. Set SWR/Wattmeter on the IC-706 so that it will monitor SWR upon transmit. Press and hold the Up/Down switch on the MFJ controller to tune the antenna. Press and hold in the UP position, the antenna will go up. Press and hold in the DOWN position, the antenna will go down. Observe the SWR reading on the IC-706 SWR meter. Once minimum SWR is obtained, release the Up/Down switch on the MFJ controller. Note that once the UP/Down switch is pressed and held the IC-706 is automatically set to 10 Watt low Power CW transmit mode for tuning. Upon the release of the Up/Down switch of the MFJ controller, the IC-706 will return back to the previous mode and power lever set.