

## INTRODUCTION

Thank you for purchasing the **MFJ-4724RC 4-Position Antenna/Transceiver Switch Remote Control**. This Remote Control allows the user to remotely operate the MFJ-4724 Desktop/Remote Antenna/Transceiver Switch, which is a versatile multiple Antenna/Transceiver Switch designed to switch up to four 50-ohm antenna systems or four transceivers in any combination. It handles high power, up to 1500 Watts and sealed relays offer excellent life and connection reliability. The unit is operational from 1-60 MHz and useable to 150 MHz.

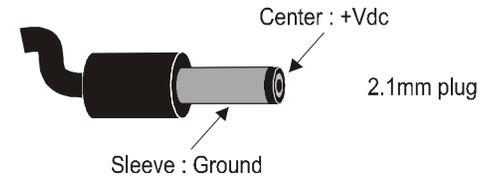
The MFJ-4724RC 4-Position Antenna/Transceiver Switch Remote Control uses two simple rotary switches to select one-of-four antennas or four transceivers in any combination. Place the MFJ-4724 Desktop/Remote Antenna/Transceiver Switch out-of-way under your desk or in another room and use a remote control. In the OFF/Remote position, all inputs are grounded or control is transferred to the MFJ-4724RC Remote Control. All unused inputs are grounded. You can connect a sense line to your transceiver so when it's off all inputs are automatically grounded.

## **INSTALLATION**

1. See the MFJ-4724 Instruction manual for complete instructions.
2. The unit can be located at any convenient location, as long as it is not exposed to moisture. It should be grounded to the station ground, and preferably powered from a separate wall adaptor.
3. Connect your antennas to the SO-239 coax connectors numbered 1-4. Note which antenna is connected to each connector.
4. Connect your transceivers to the SO-239 coax connectors labeled A-D. Note which transceiver is connected to each connector.
5. Connect a feedline from the TRANSMITTER COMMON connector to the ANTENNA COMMON connector.
6. Connect the station ground to the GROUND connector.
7. When using the MFJ-4724RC Remote Control, connect a RJ-45 modular jack from the remote control to the ANTENNA REMOTE jack on the back of the unit and connect a RJ-45 modular jack from the remote control to the TRANSMITTER REMOTE jack on the back of the unit using a CAT-5 cable.
6. If your Transceiver is equipped with a Radio Sense jack, you may connect it to the Remote Control using a RCA plug so when your Transceiver is off, all inputs are automatically grounded.

## OPERATION

1. Connect the 2.1mm plug DC power supply to the Remote Control. The supply must be capable of supplying 300mA continuous at 12-15 volts DC. This unit is polarity sensitive. It requires the following power connection:



The sleeve is negative, and can be grounded or floated at the power supply. The center pin is positive, and **MUST** be ground isolated.

2. Rotate the Selector Knob on the MFJ-4724 Desktop/Remote Antenna/Transceiver Switch to the OFF/Remote position.
3. Rotate the Selector Knobs on the Remote Control to choose the desired antenna and transceiver. The switch positions are numbered and lettered on the front of the control panel and a space is provided to pencil in the designation for each antenna and transceiver.

**IMPORTANT:** NEVER switch antennas with RF power applied to the Master feedline. Damage to the switching contacts may result from "hot-switching".

## **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 reading the manual does not solve your problem, 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 (FAX) 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.

## **NOTES**