

## 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.

## INTRODUCTION

Thank you for purchasing the **MFJ-4716RC 6-Position Antenna Switch Remote Control**. This Remote Control allows the user to remotely operate the MFJ-4716 Desktop/Remote Antenna Switch, which is a versatile multiple antenna switch designed to switch up to six 50-ohm antenna systems. 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.

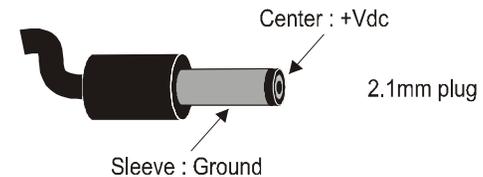
The MFJ-4716RC 6-Position Antenna Switch Remote Control uses a simple rotary switch to select one-of-six antennas. Place the MFJ-4716 Desktop/Remote Antenna Switch out-of-way under your desk or in another room and use a remote control. In the OFF/Remote position, all inputs are grounded or control is transferred to the MFJ-4716RC 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-4716 Desktop/Remote Antenna Switch 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 1-6 and note which antenna is connected to each connector.
4. Connect your feedline to the COMMON connector.
5. Connect the station ground to the GROUND connector.
6. When using the MFJ-4716RC Remote Control, connect the RJ-45 modular jack from the remote control to the REMOTE jack on the back of the unit using a CAT-5 cable.
7. 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-4716 Desktop/Remote Antenna Switch to the OFF/Remote position.
3. Rotate the Selector Knob on the Remote Control to choose the desired antenna. The switch positions are numbered on the front of the control panel and a space is provided to pencil in the designation for each antenna.

**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