

# MFJ-1700C 6-Position Antenna Switch With Surge Protection

Thank you for purchasing an MFJ 1700C 6-position antenna switch. It is a heavy duty switch that allows you to connect any of six antennas to any one of six transceivers and has a built-in gas-discharge surge protector. It can handle up to 2 KW PEP for 50-75 ohm loads. As shown in the diagram below, an antenna tuner, SWR/wattmeter, linear amplifier, etc., can connect between the transceiver(s) and antenna(s) so that they are always in the circuit. All unused inputs and outputs are shorted to ground.

## INSTALLATION

To use, simply connect the transmitter(s) you want to use to the **lettered** coax connector(s) and connect the antenna(s) you want to use to the **numbered** coax connectors(s). Connect antenna tuner, SWR/wattmeter, etc., to the ANT COM and XMIT COM connectors. Connect a station (RF) ground to the GROUND post. Select the desired transmitter and antenna with the front panel switches.

If using only one antenna in combination with more than one transmitter, or one transmitter in combination with more than one antenna, the MFJ-1700C can be used to tie them together by using one side of the unit. Connect the single unit (antenna or transmitter) to the COM jack and the multiple units (antennas or transmitters) to the corresponding coax connectors in the following sequence:

**Transmitter COM** ties to A-F

**Antenna COM** ties to 1-6

Also following these guidelines, the MFJ-1700C can be used as two independent switches. If using it with more than one transmitter and more than one antenna (without antenna tuner or other intermediate unit), simply connect the **Antenna COM** to the **Transmitter COM** with a coax cable, preferably as short as possible.

## TECHNICAL ASSISTANCE

If you have any problems 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 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.,

**Caution: Do not switch antennas while keying the transmitter.**

