
MFJ-461X Series RF/Cable Feed-Through Panels

INTRODUCTION

The MFJ-461X series of RF/Cable Feed-Thru Panels are feed-thru panels designed for wall or roof overhang mounting with the stainless steel, weather-proof outdoor panels (MFJ-4611/12/14); or, mount on a standard house eave/sofitt air vent with the aluminum, indoor panels (MFJ-4613/16). These versatile feed-through panels allow you to feed coax cables and remote-control cables through the walls of your home. Attractive brushed stainless steel (MFJ-4611/12/14) plates mount on both sides of your wall or roof. A single aluminum (MFJ-4613/16) plate mounts in-place of your standard house eave/sofitt air vent, and brings your outside coax and/or cable connections inside via MFJ's exclusive *Adaptive Cable Feedthru*[™] which adapts to virtually any cable size up to 1-1/4"x1-5/8". If desired, UHF or N feed-thru connectors may be installed in any of the *Adaptive Cable Feedthrus*[™]. Additionally, long-wire antenna feeds can be accommodated by installing a ceramic feed thru insulator (such as the MFJ 606-1006) in any of the *Adaptive Cable Feedthrus*[™].

MODELS

The MFJ-461X series of RF/Cable Feed-Thru Panels consists of the following five models:

- 1) **MFJ-4611:** One pair of 3.3"x6" RF/Cable Feed-Thru Panels with a single MFJ weatherproof *Adaptive Cable Feedthru*[™].
- 2) **MFJ-4612:** One pair of 6"x7" RF/Cable Feed-Thru Panels with two MFJ weatherproof *Adaptive Cable Feedthrus*[™].
- 3) **MFJ-4614:** One pair of 7.1"x12.1" RF/Cable Feed-Thru Panels with four MFJ weatherproof *Adaptive Cable Feedthrus*[™].
- 4) **MFJ-4613:** One 16"x 4" RF/Cable Feed-Thru Panel with a three MFJ *Adaptive Cable Feedthru*[™]. Fits standard Air Vents.
- 5) **MFJ-4616:** One 16"x 8" RF/Cable Feed-Thru Panel with a six MFJ *Adaptive Cable Feedthru*[™]. Fits standard Air Vents.

SUPPLIED COMPONENTS

- 1) MFJ-461X RF/Cable Feed-Thru Panel
 - 2 panels for MFJ-4611/12/14
 - 1 panel for MFJ-4613/16
- 2) Weather Stripping, 4 feet **for outdoor models only (MFJ-4611/12/14)**
- 3) Stainless Steel Mounting Screws **for outdoor models only (MFJ-4611/12/14)**
Note: MFJ-4613/16 use existing vent screws
- 4) Large rubber grommets for the *Adaptive Cable Feedthrus*[™]

INSTALLATION

- 1) Determine the mounting location for your MFJ-461X RF/Cable Feed-Thru Panel. Some suggestions include:
 - a. Any of the MFJ-461X-series RF/Cable Feed-Thru Panels are easily mounted on the inside and outside of wood/siding/sheetrock walls.
 - b. For brick homes, mount a MFJ-4611 single-hole panel over a weep-hole at the base of your brick wall. A long ¼" drill bit can be used to drill through the weep-hole into your home.
 - c. Any of the MFJ-461X-series RF/Cable Feed-Thru Panels may be mounted on the underside of your home's overhang. The MFJ-4613/16 works well for replacing the air vent inside your home or the air-intake vent on the underside of your home's overhang.
 - d. If you will be mounting an RF connector or a ceramic feedthru insulator in any of the panels, ensure that a sufficiently large clearance hole is cut in the wall. For coaxial RF feed-thrus, it is often easier to use coaxial cable pigtails instead of RF connectors mounted on the RF/Cable feed-thru panels.
- 2) Place your MFJ-461X RF/Cable Feed thru Panel against the wall in the desired location and mark the mounting holes with a black marking pen through the screw holes in the panel.
- 3) For the MFJ-4613/16 RF/Cable Feed-Thru Panels, simply replace your existing vent with the Feed-Thru panel using the existing mount screws.
- 4) If you are mounting the panel on wood or siding, drill small 1/16" diameter pilot holes for the supplied #8 stainless steel wood screws. If mounting the panel on brick, you will need to obtain #8 concrete screws and a concrete drill bit from your local home improvement center in order to drill the brick and mount your MFJ-461X panel.

***Note:** For mounting the RF/Cable Feed-thru panels on smooth surfaces, you may elect to use indoor/outdoor double-sided tape available from your local home improvement store.*

- 5) Install weather-stripping completely around the inside edges of the outside-mounted MFJ-461X RF/Coax Feed-Thru Panel. Mounting the weather-stripping just inside the panel mounting screw holes as shown in Figure 1 below easily does this.

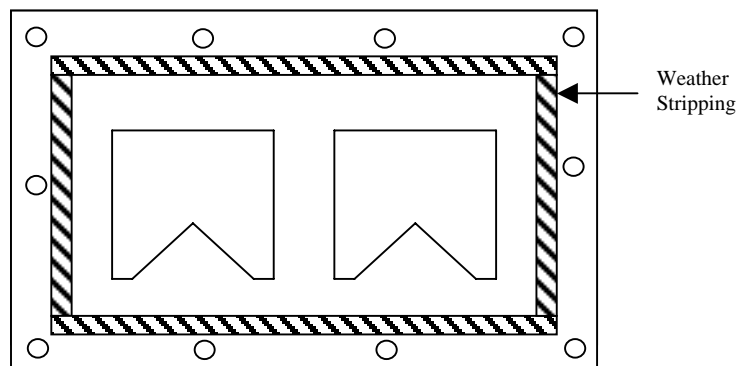


Figure 1: Suggested Weather-Stripping

- 6) Adaptive Cable Feedthru™ Cable Installation: The MFJ exclusive weather-proof *Adaptive Cable Feedthru™* adapts to virtually any cable size up to 1-1/4" x 1-5/8". A large grommet is supplied for each *Adaptive Cable Feedthru™*. To install a cable through the *Adaptive Cable Feedthru™*, proceed as follows:
- a. Using a pair of scissors, snip the grommet and slip it around the cable. Observe the excess grommet material when the grommet is fit tightly around the cable, and cut off this excess grommet material. I.e., you are snipping the grommet such that it fits the circumference of the cables used.
 - b. Slide the cable and grommet into the panel such that the edge of the panel slides into the groove of the grommet thus sealing the weather out.
 - c. Adjust the sliding panel on the *Adaptive Cable Feedthru™* to hold the cable/grommet securely, and tighten the adjustment screw.
 - d. When the sliding panel is tight around the grommet, this makes a very good weather seal. However, you may choose to add RTV or putty around the cable for improved sealing.
 - e. When mounting an RF connector or ceramic feedthru insulator in an *Adaptive Cable Feedthru™*, no grommet is used. Place the RF connector or feedthru insulator in the *Adaptive Cable Feedthru™*, slide the adjustable panel tight against the RF connector or feedthru insulator and tighten the adjustment screw on the MFJ-461X panel. Finally tighten the RF connector or feedthru insulator mounting nut(s) on one or both sides of the Feed-Thru Panel. Add RTV or putty around the connector for improved sealing.
- 7) Using the supplied screws for wood or siding mounting, or concrete screws for brick mounting, attach one MFJ-461X RC/Cable Feed-thru to the outside wall of your home and if desired attach the second MFJ-461X to the inside wall of your home. You may elect to use a conventional electrical outlet box and cover plate for the inside feed-thru connections.

FULL 12-MONTH WARRANTY

MFJ Enterprises, Inc. warrants to the original owner of this product, if manufactured by MFJ Enterprises, Inc. and purchased from an authorized dealer or directly from MFJ Enterprises, Inc. to be free from defects in material and workmanship for a period of 12 months from date of purchase provided the following terms of this warranty are satisfied:

1. The purchaser must retain the dated proof of purchase (bill of sale, canceled check, credit card, money order receipt, etc.) describing the product to establish the validity of the warranty claim and submit the original or machine reproduction or such proof-of-purchase to MFJ Enterprises, Inc. at the time of warranty service. MFJ Enterprises, Inc. shall have the discretion to deny warranty without dated proof-of-purchase. Any evidence of alteration, erasure or forgery shall be cause to void any and all warranty terms immediately.
2. MFJ Enterprises, Inc. agrees to repair or replace at MFJ's option without charge to the original owner any defective product under warranty provided the product is returned postage prepaid to MFJ Enterprises, Inc. with a personal check, cashiers check or money order for \$10.00 covering postage and handling.
3. MFJ Enterprises, Inc. will supply replacement parts free of charge for any MFJ product under warranty upon request. A dated proof-of-purchase and an \$8.00 personal check, cashiers check, or money order must be provided to cover postage and handling.
4. This warranty is NOT void for owners who attempt to repair defective units. Technical consultation is available by calling (662) 323-5869.
5. This warranty does not apply to kits sold by or manufactured by MFJ Enterprises,
6. Wired and tested PC board products are covered by this warranty provided only the wired and tested PC board product is returned. Wired and tested PC boards installed in the owner's cabinet or connected to switches, jacks, cables, etc. sent to MFJ Enterprises, Inc. will be returned at the owner's expense unrepairs.
7. Under no circumstances is MFJ Enterprises, Inc. liable for consequential damages to person property by the use of any MFJ products.
8. Out-of-warranty Service: MFJ Enterprises, Inc. will repair any out-of-warranty product provided the unit is shipped prepaid. All repaired units will be shipped COD to the owner. Repair charges will be added to the COD fee unless other arrangements are made.
9. This Warranty is given in lieu of any other warranty expressed or implied.
10. MFJ Enterprises, Inc. reserves the right to make changes or improvements in design or manufacture without incurring any obligation to install such changes upon any of the products previously manufactured.
11. All MFJ products to be serviced in-warranty or out-of-warranty should be addressed to MFJ Enterprises, Inc., 300 Industrial Park Road, Starkville, Mississippi 39759, USA and must be accompanied by a letter describing the problem in detail along with a copy of your dated proof-purchase and a telephone number.
12. This warranty gives you specific rights, and you may also have other rights, which vary from state to state.