

**Introduction**

This installation instruction is provided to ensure proper installation of the MFJ-5383 Interface Cable, between your computer and amateur transceiver. The MFJ-5383 Interface Cable along with the Rig Windows™ software package is designed to work with most late model Kenwood, Yaesu, and ICOM transceivers.

There are **four versions** of the MFJ-5383 Interface Cable. Please be sure to follow the correct instruction section for the cable you have purchased. The MFJ-5383 Interface Cable is compatible with several different transceivers of the brands mentioned in the above paragraph. The transceivers that the MFJ-5383 Interface Cable is compatible with are listed below:

**Kenwood, MEJ-5383K:**

TS-50S, 140, 440, 450, 680, 690, 790, 850, 940, 940S, 950, and R5000 communications receiver. All of these use the **MFJ-5383K Interface Cable**.

The **TS-50S** and **TS-940S** and other transceivers that have the same interface port configuration will need the **IF-10D interface unit**. The **IF-10D interface unit** is available from Kenwood and makes them along with others compatible with radios like the TS-450S. For further information on transceiver/computer interfacing, please refer to the Operator's Manual for your particular Kenwood transceiver.

**Yaesu, MEJ-5383Y, MEJ-5383YB:**

There are two versions of the MFJ-5383Y Interface Cable available from MFJ Enterprises, the **MFJ-5383Y** and **MFJ-5383YB**. The difference between the two cables is that the **MFJ-5383Y** is equipped with a **standard size 6-pin DIN plug**, while the **MFJ-5383YB** is equipped with a **MINI 6-pin DIN plug**. First, we have the **MFJ-5383Y** which is **compatible** with the Yaesu **FT-736R, FT-990**

and **FT-1000** transceivers. The **MFJ-5383Y** is **compatible** with other transceivers with the **same CAT port PIN OUT configuration** as these models. Please check your transceiver manual for PIN OUT information of the CAT port. Secondly, we have the **MFJ-5383YB** Interface Cable, which is **compatible** with transceivers such as the **FT-840, FT-890** and **FT-900**. Either cable would plug into the **CAT** port on the back panel of the Yaesu transceivers. Other transceivers would be compatible, if interface port configurations are the same as the models listed above. For further and more detailed information on transceiver/computer interfacing, please refer to the Operator's Manual for your particular Yaesu transceiver.

**ICOM, MFJ-5383I:**

IC-725, 735, 745, 751, 761, 767, 781, R71A, E, and H, R471A, E, and H

All of the above mentioned transceivers are compatible with the MFJ-5383I Interface Cable. Some of the older models such as, IC-745 and IC-751 may require the UX-14 module installed in the radio. The interconnection is made through the 24-pin **ACCESSORY** port. Other transceivers such as, IC-725 and IC-735 use the 3.5mm, **REMOTE** port on the back of the transceiver. Compatibility would be the same for other transceivers with similar interface port configurations. For further information on transceiver/computer interfacing, please refer to the Operator's Manual for your particular ICOM transceiver.

**Installation**

Please follow each step in this Installation section of this instruction. This will ensure that a proper and correct installation is done in a minimal amount of time.

1. Set the **POWER** switch on the **computer, monitor,** and **transceiver** to the **OFF** position.

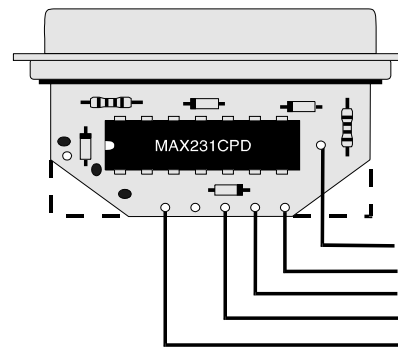
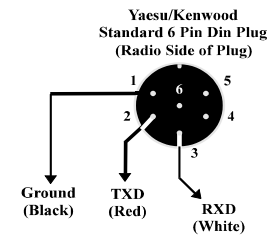
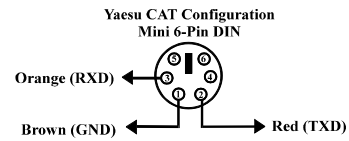
2. Plug the **MFJ-5383K, Y, YB** or **I** Interface Cable into an open serial port in the back of the computer. Secure it with the screws provided with the connector shell. It may be necessary to use a DB-25 to DB-9 adapter depending on the serial port configuration on your computer. These can be found at your local computer/electronics dealer.
3. Plug the other end of the **MFJ-5383K, Y, YB** or **I** cable into your transceivers interface port. Please refer to the Operator's Manual for your particular transceiver as to the location and configuration of this port. If the plug provided does not match your radio, replace it with the correct plug, wired as per the diagram shown below. If any questions arise, please refer to the Operator's Manual for your particular transceiver.

**Operation**

This section will briefly describe operation of the transceiver and computer with the MFJ-5383 Interface Cable.

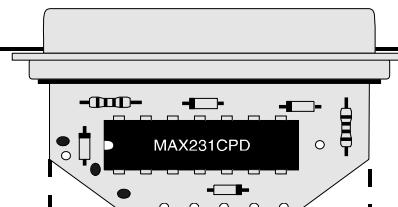
1. Set the **POWER** switch on the monitor, computer, and transceiver to the **ON** position.
2. Allow the computer to boot-up, then load your **RIG** control software.
3. Configure the **RIG** control software with your particular transceiver interface and computer serial port settings. Please refer to the **RIG** control software Instruction manual and your Operator's Manual for any further information on interfacing.

### Yaesu/Kenwood Interface



- Kenwood, Red, Pin 2
- Yaesu, Red, Pin 3, Mini Pin 3 (Red)
- Kenwood, White, Pin 3
- Yaesu, White, Pin 2, Mini Pin 2 (Orange)
- Kenwood/Yaesu, Black, Pin 1, Ground  
Mini Pin 1 (Brown) & Bare

### Icom Interface



**Figure 1**