

# Yaesu FT-991A



## 1200 Baud Packet Radio Setup

**DO NOT connect a USB cable from your computer to the FT-991 until you load the drivers listed below.**

Download the [FT-991A/ SCU-17 USB Driver \(Virtual COM Port Driver\)](#) from the [manufacturer's website](#) and follow the directions to install it on your computer. This will install 2 new COM ports. One is labeled **ENHANCED** COM port, and the other is **STANDARD** COM port. After you have installed the drivers, you can connect a USB cable from the PC to the radio.

With the radio still **connected** you can check that these COM ports were installed on your computer by going to **Device Manager**. Click the arrow next to the **"Ports (COM & LTP)"** Menu. You should see two newly added ports:

[Silicon Labs Dual CP210x USB to UART Bridge: Enhanced COM Port \(COM 4\\*\)](#)  
[Silicon Labs Dual CP210x USB to UART Bridge: Standard COM Port \(COM 5\\*\)](#)  
(\*or a different number) (Make a note of which COM port is which)

Once the ports are installed, The following menu items need to be changed from their default values in the radio.

- Press the Menu/Setup button.
- Scroll through the menus using the multi-purpose knob.
- Use the touch screen to select a menu Item.
- Turn the multi-purpose knob to adjust the settings.
- Use the touch screen to save the selection.

031 CAT RATE **38400** (*This is the baud rate between the radio and modem*)

032 CAT TOT **100ms**

033 CAT RTS **Enable**

062 Data Mode **OTHERS**

064 OTHER DISP (SSB) = **1500 Hz**

065 OTHER SHIFT (SSB) = **1500 Hz**

066 DATA LCUT FREQ = **OFF**

068 DATA HCUT FREQ = **OFF**

070 DATA IN SELECT = **REAR**

071 DATA PTT SELECT = **RTS**

072 DATA PORT SELECT = **USB**

076 FM PKT PTT SELECT = **RTS**

077 FM PKT PORT SELECT = **USB**

079 FM PKT MODE = **1200**

Next, Download [soundmodem113.zip](#) and [easyterm49.zip](#) from the UZ7HO website at <http://uz7.ho.ua/packetradio.htm> and extract into a new folder.

#### Open Soundmodem

Click on Settings in the menu bar. Select the Enhanced COM port and Standard COM port for the Output device and input device, respectively. Check the following boxes ONLY:

- Single channel output
- Stop waterfall on minimize
- Minimized window on startup

The rest of the settings under "Sound Card", leave at defaults.

Select PTT Port – Choose the Standard COM Port from above. Then click OK.

#### Open EasyTerm.

Under the settings menu, select Station Setup.

Enter your Terminal Callsign.

Enter your Mailbox Callsign. Then click OK.

Select your frequency on the FT-991A.  
Set the Mode to DATA-FM.