FT-991 SETUP FOR N1MM/MMTTY

Install the Silicon Laboratory drivers onto your computer per the Yaesu website instructions.

Install a Standard USB cable between the FT-991 and your computer. If the Silicon Labs drivers were successfully installed, you will have an enhanced port and a standard port showing in device manager.

Set the following menu items on the ft-991. Note: the menu #’s may change with future firmware updates.

012 keyer type off

031 CAT rate 38400

032 CAT Tot 1000

033 CAT rts disable

060 PC keying dtr

071 Data PTT sel rts

4) Start N1MMloggerPlus. Select Configure tab. Pick configure port, mode control, audio, other.

5) Select the hardware tab. Under Port, select your enhanced port. Under radio select FT-991. Click

on SET and input 38400,N,8,2 always off, always off. Select Radio NR1. Place a check mark in

Enable Both Hardware and Software.

6) Under the next PORT, select your standard port. Select NONE for radio. Place a check mark in

Digi and CW/other. Click on Set and select CW for DTR(pin4). Select always on for RTS(pin7). Set

Radio to 1 and DIG Wnd nr to 1. Set Dual radio protocol to NONE and footswitch to NONE.

Click OK to exit. Then select SO1V in the hardware tab.

7) Under the Digital Modes tab, for digital interface 1 select soundcard. Under DI-1 mmtty setup

select FSK and enter the path to mmtty, such as: C:\Ham\MMTTY\MMTTY.EXE

8) Under configuration Mode Control tab, select use Radio Mode (default) and for MODE set to

radio select rtty to rtty and psk to USB.

9) Under the configuration Audio tab select 1-Only use radio 1 output device; output on both

channels. For Radio 1 output device select Speakers (USB audio CODEC).

10) Under the configuration select Change your station data and enter the data for your control

station.

11) Now type RTTY in the callsign entry panel of the main panel. MMTTY should start. You will see a

window called RTTY Engine 1 with the rrty scope. Select option, setup, and the TX tab. Under

PTT & FSK enter EXTFSK. Note if EXTFSK is not there to select, you must place the EXTFSK.dll file

in the same directory as mmtty.exe. EXTFSK can be downloaded from the mmtty source URL.

Now select Radio Command. Anew window opens. Enter NONE, 38400, character wait 0, 8 bits,

1 bit stop no parity and for DTR/RTS place a check mark in PTT. St the bottom of this window,

select for the group: Yaesu FT 9000, 2000, 950,450 and save to a file for later recall such as

mymmttysetup. Click OK.

Now under RTTY engine1, option, setup, select the MISC tab. For the TX Port select COM-

Txd(FSK)

Now under RTTY engine1, option, setup, select the soundcard tab. Select the USB audio CODEC

for both reception and transmission column. Select OK.

You will now see and EXTFSK 1.06 window. Enter your standard com port for the Port and RTS

for the FSK ouput , and DTR for the PTT output. At this point the status should indicate OK.

Place the radio itself in RTTY LSB for rtty and in CW UorL for CW and you should be on the air.

Carl K0YCR