

## *How do I?*

### *An occasional series*

#### *This week: Yaesu FT991A ready for digital modes*



Note: This is neither a review, nor an endorsement of the Yaesu FT991A.

We occasionally are inspired by or rely on our friends at [WSJT-X.groups.io](http://WSJT-X.groups.io) for ideas. This week a rather lengthy thread appeared on how to get the Yaesu FT 991A to play well with WSJT-X and other digital modes. Since this discussion was so long, it appears the Yaesu FT 991A may not be as intuitive to use as the Icom 7300 or the Kenwood 590SG.

The FT 991A is a HF+ 6M + 2M + 70 CM portable transceiver. It is the replacement for the short lived FT991 which replaced the long lived and near legendary FT 897. All I really know about them is when I was shopping for a Yaesu FTDX1200 or Kenwood 590SG, Grant W4GMF told me I should look at the FT991A. I did, but in the end I didn't buy one, largely due to its price and the standard roofing filters which were 3 KHz and 15 KHz while the other radios had 6 KHz as an option. The FT991A has a built-in sound card and an antenna tuner.

Yaesu FT 991A Menu Settings

Courtesy of Mike Salmi, N9MDS

<b>Menu</b>	<b>Item</b>	<b>Selection</b>
31	CAT RATE	4800
32	CAT TOT	100
33	CAT RTS	Enable
60	PC KEYING	Off
62	DATA MODE	Others
64	OTHER DSP	SSB 1500
65	OTHER SHIFT	SSB 1500
70	DATA IN SELECT	Rear
71	DATA PTT SELECT	—RTS
72	DATA PORT SELECT	—USB
73	DATA OUT	LEVEL 50
106	SSB PTT SELECT	—RTS
108	SSB MIC	Mic
109	DATA PORT SELECT	—USB

## WSJT-X Settings

COM 8  
4800  
DATA BITS 8  
STOP BITS 2  
HANDSHAKE Hardware  
PTT METHOD—RTS  
MODE Data/Pkt  
SPLIT Fake It

Notes: I am surprised he is running the CAT Rate at 4800. I generally use at least 9600 or 19200.

Some people claim only 1 stop bit works better. The Yaesu recommendation is 2 stop bits, so not sure why 1 works.

Menu option 70 is where you select if you are using the rear data port or the front microphone port. Option 72 is if the port is used for data or USB.

Shawn, KUØD, says if you select USB in option 72 that you need to go to menu 111 and select USB there also. He goes on to say that setting digital to DATA-USB and setting the “one button switch” to Voice SSB. Then, if you want to switch from a data mode (FT8, PSK31, etc.) to Voice mode you simply press the “one button switch”.

Hamish, GØGLG, says these settings work for him on all digital modes:

<b>Menu</b>	<b>Setup Button</b>	<b>User Setting</b>	<b>Default Setting</b>
01	AGC Fast Delay :	20ms	300ms
31-	CAT Rate :	38400	4800
62	Data Mode :	Others	PSK
64-	Other DISP (SSB) :	1800Hz	0Hz
65-	Other Shift (SSB) :	1800Hz	0Hz
66	Data LCUT Freq :	100Hz	300Hz
68-	Data HCUT Freq :	4000Hz	3000Hz
72-	Data Port Select :	USB DATA	

**F Menu List**

<b>Width :</b>	<b>3000Hz</b>	<b>2400Hz</b>
<b>DT Gain :</b>	<b>40</b>	<b>50</b>
<b>MONI :</b>	<b>10</b>	<b>OFF</b>
<b>AGC</b>	<b>:Fast</b>	<b>AUTO</b>
<b>NB</b>	<b>ON</b>	<b>OFF</b>

**All other Menu Setup and F M-List settings are default factory settings.**

Hopefully this helped!

Catch 'ya on the air!