

## Yaesu FT-857/857D

### Airmail 3.5.xx Pactor Modem Configuration Parameters

Under TOOLS/OPTIONS/CONNECTION TAB, enter the following:	
Modem type	PTC-II/IIIusb, P4 DR7400 or 7800
COM port	Choose appropriate Com port*
Baud rate	115,200
Reset Modem	Check the box
Center frequency	1500
Set modem tones	Check the box
Amplitudes FSK	220 (PTC-IIUSB). OTHER MODEM MODELS TBD
Amplitudes PSK	293 (PTC-IIUSB). OTHER MODEM MODELS TBD
USB (Upper Sideband)	Dot in the circle in front of "USB"
TxDelay (ms)	20
Radio connection	Direct using PTC-II control port
Radio type	Yaesu 817
Baud Rate	4800

### Yaesu FT-857/857D Radio Settings

(Refer to FT-857 Operating Manual, page 64-65, FT-857D pages 65-66)

Step	Task	Action
1	Enable FT-857 <i>FUNCTION MODE</i>	Press and hold FUNCTION KEY for 1 second
2	Access FT-857 <i>EXTENDED MENU</i>	Rotate SELECT KNOB to Menu <i>Item 001</i>
3	Enable <i>EXTENDED MENU</i>	Rotate DIAL KNOB until <i>ON</i> shows
4	Set FT-857 DIG GAIN (Item #037 on Extended Menu)	a) Rotate SELECT KNOB to select <i>item #037</i> b) Rotate DIAL KNOB to set <i>Dig Gain to ±10**</i>
5	Select FT-857 DIGITAL MODE & SIDEBAND (#038 on Extended Menu)	a) Rotate SELECT KNOB to select <i>item 38</i> b) Rotate DIAL KNOB to <i>User-U</i>
6	STORE SETTINGS & RESTORE FT-857 to NORMAL OPERATION	Press & hold FUNCTION KEY for 1-second

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\*You can find the Com port number Windows assigned to your modem by going into the *CONTROL PANEL* and clicking on *SYSTEM, HARDWARE, DEVICE MANAGER, PORTS COM & LPT*. If the Pactor modem driver is properly installed, the COM port assigned to your modem will be listed under *Ports, Com and Lpt*. If your modem doesn't show up under the Ports, Com & LPT listing, delete the driver and unplug the modem from the computer. Reinstall the PTC-IIusb driver (it's included with the Airmail program), then reconnect the modem to any one of your computer's USB ports.

\*\* The objective is to provide the best signal-to-noise-ratio of the audio from the modem into the radio by reducing the dig gain setting in the FT-857 and increasing the FSK/PSK drive settings in Airmail. When adjusting the FSK/PSK settings, aim for a maximum of 50-watts output.