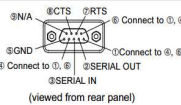
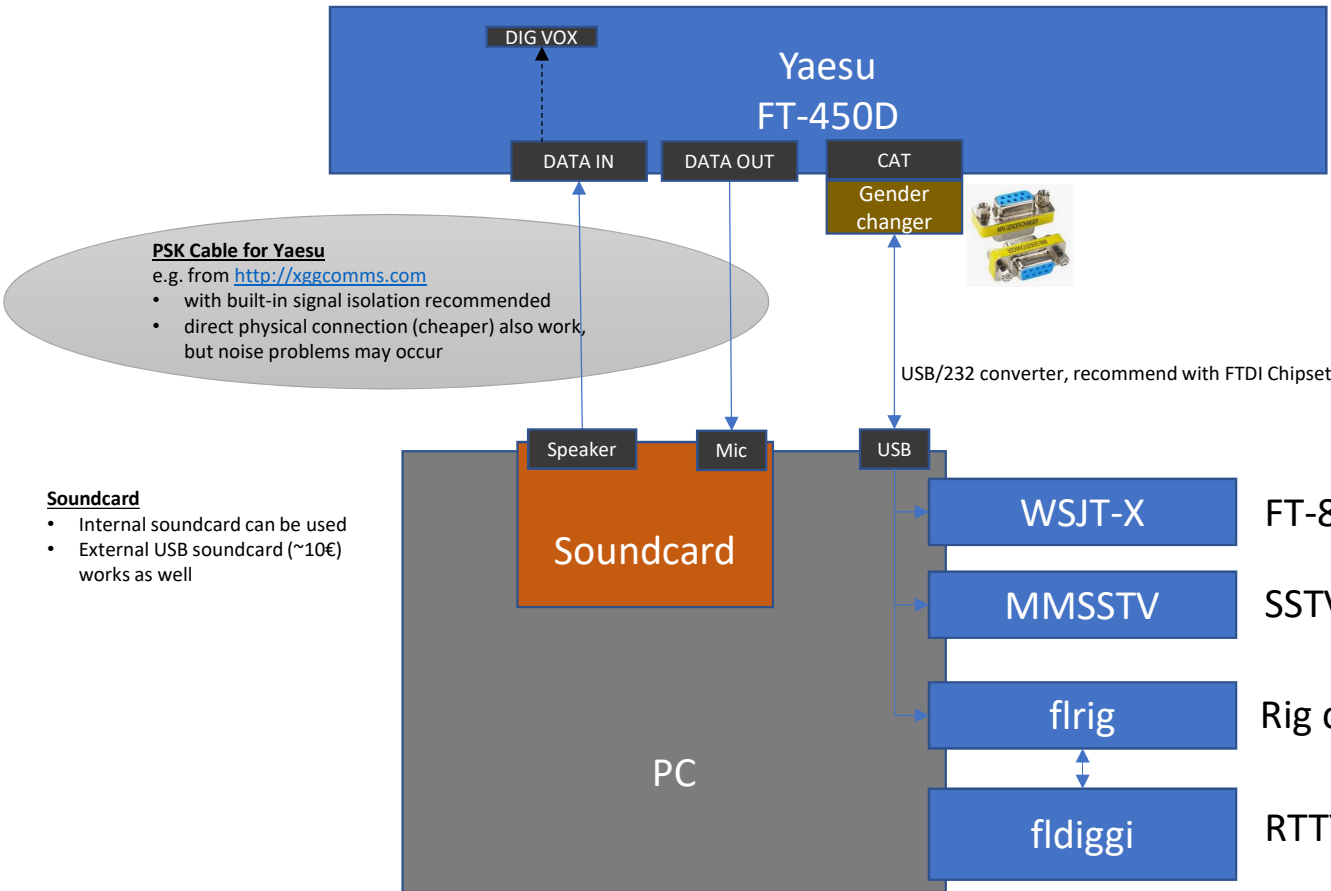


Setup for diggi modes with Yaesu FT-450D

DATA Jack
 This 6-pin input/output jack provides receiver audio and squelch signals, and accepts transmit (AFSK) audio and PTT control, from an external packet TNC.



CAT Jack
 This 9-pin serial DB-9 jack allows external computer control of the FT-450D. Connect a (straight) serial cable here and to the RS-232C COM port on your personal computer (no external interface is required).

PACKET SETUP (INCLUDING SUBCARRIER FREQUENCY)

Before operation can commence, change Menu Item "D TYPE" setting to "USER-L" (for LSB-Based Packet Operation) or "USER-U" (for USB-Based Packet Operation), to configure your radio for the data mode to be used.

BASIC SETUP

- Press the [MODE▼]/[MODE▲] buttons several times to indicate both the "DATA" and "LSB" icons (for LSB-Based Packet) or the "DATA" and "USB" icons (for USB-Based Packet) on the display. Engage the Packet operation.
- When the "transmit" command is received from the TNC, the transmitter of the FT-450D will automatically be engaged. Likewise, the command to return to receive will cause the radio to revert to the receive mode.

ADVICES:

- There is no adjustment of the DATA input level and DATA output level of the DATA jack on the rear panel; please make any needed level adjustments at the TU side.
- During Packet operation via the rear panel's DATA jack, the front panel MIC jack is cut off, so you won't have a "live microphone" problem during data operation.

NOTE:
 If you anticipate making data transmissions of longer than a few minutes, we recommend that you reduce the transmitter power to 1/2 ~ 1/3 of its normal maximum via Menu Item "RFFPOWER".

QUICK POINT:
DATA Jack Specifications

- DATA IN
 - Input Level: 60 mVp-p
 - Input Impedance: 600 Ohms
- DATA OUT
 - Fixed level, does not respond to setting of [AF GAIN] or [SQL/RF GAIN] knob.
 - Output Level: 500 mVp-p
 - Output Impedance: 600 Ohms

Important Menu settings

CAT RTS	ENABLE
CATRATE	4800 / 9600 / 19200 / 38400
D Type	USER-U / USER-L
DIG VOX	1...100