

De achterkant van de sets

IC-7100

⑫ USB (Universal Serial Bus) PORT [USB]

Using a USB cable, connect a PC to do the following:

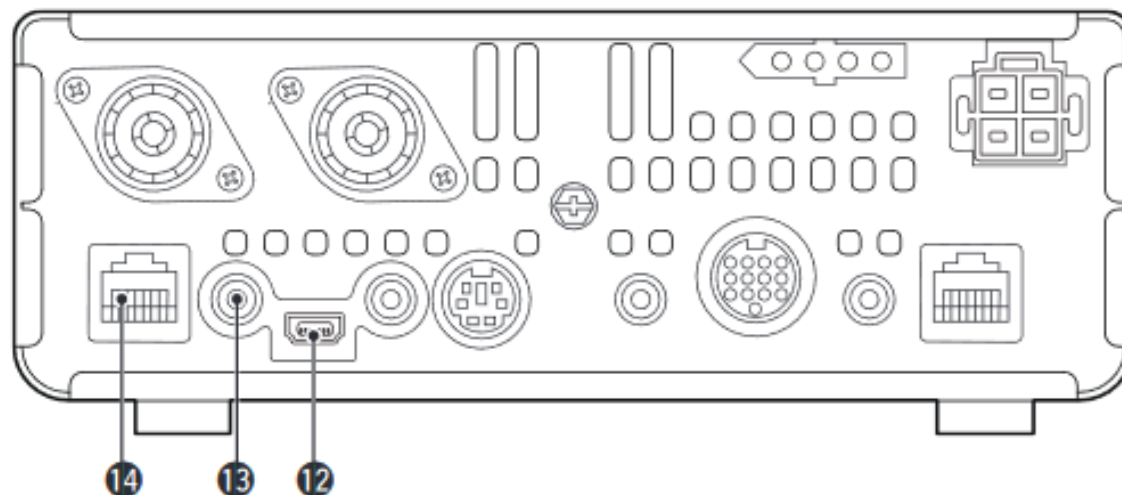
- Input modulation
- Remotely control the transceiver using **CI-V** commands (p. 20-2)
- Send the received audio to the PC
- Send the decoded characters to the PC
- Low-speed data communication in the DV mode (p. 9-17)
- Cloning using the optional CS-7100 CLONING SOFTWARE (p. 21-5)
- Remote control operation using the optional RS-B1 IP REMOTE CONTROL SOFTWARE (p. 21-5)
- Two COM port numbers are assigned to the [USB] connector. One of them is "USB1," used for cloning and CI-V operation. The other one is "USB2," whose function is selected in "USB2 Function" item of the "Connectors" Set mode. (p. 17-25)

SET > Connectors > USB2/DATA1 Function >
USB2 Function

About the USB driver:

The USB driver and the installation guide can be downloaded from our website.

➡ <http://www.icom.co.jp/world/index.html>



About the modulation input:

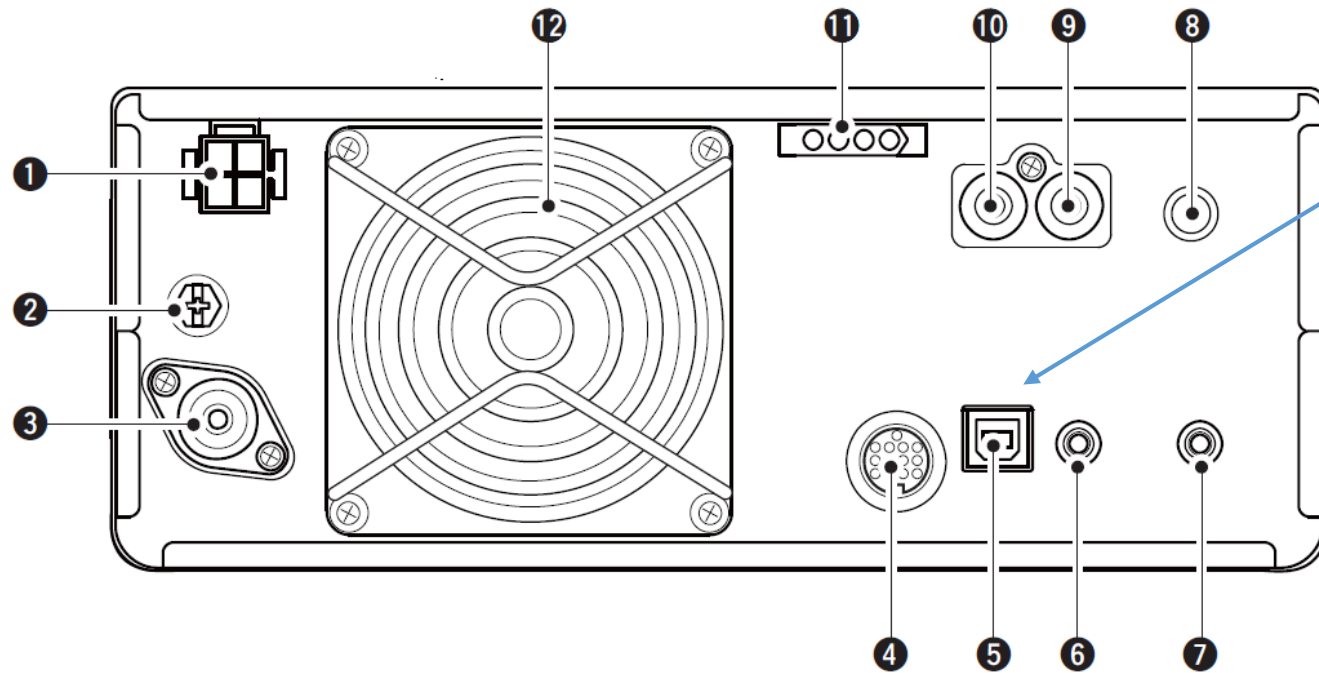
Select "USB" in the "Connectors" Set mode item "DATA OFF MOD" or "DATA MOD." The modulation input level from the USB jack can be set in the Set mode item "USB MOD Level." (p. 17-24)

SET > Connectors > **DATA OFF MOD**

SET > Connectors > **DATA MOD**

SET > Connectors > **USB MOD Level**

IC-7300



[USB] port

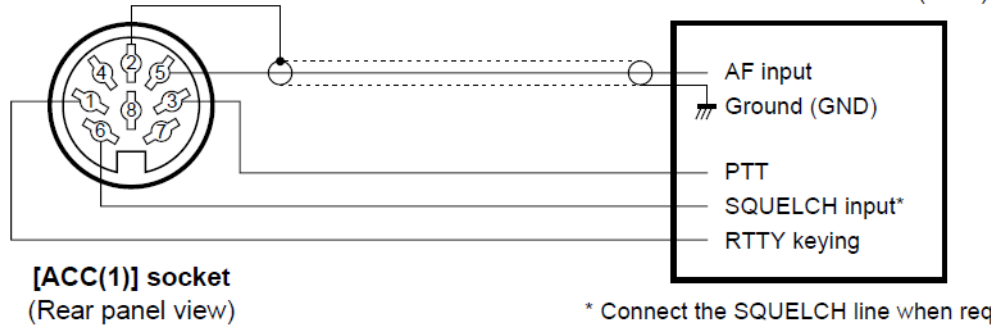
- Remotely controls the transceiver using CI-V commands.
- Sends the received audio to the PC
- Inputs modulation
- Sends the decoded RTTY outputs to the PC.
- Remote control operation using the optional RS-BA1.

(Icom does not guarantee the performance of the PC, network device or network settings)

IC-756 pro

FSK (RTTY) connection

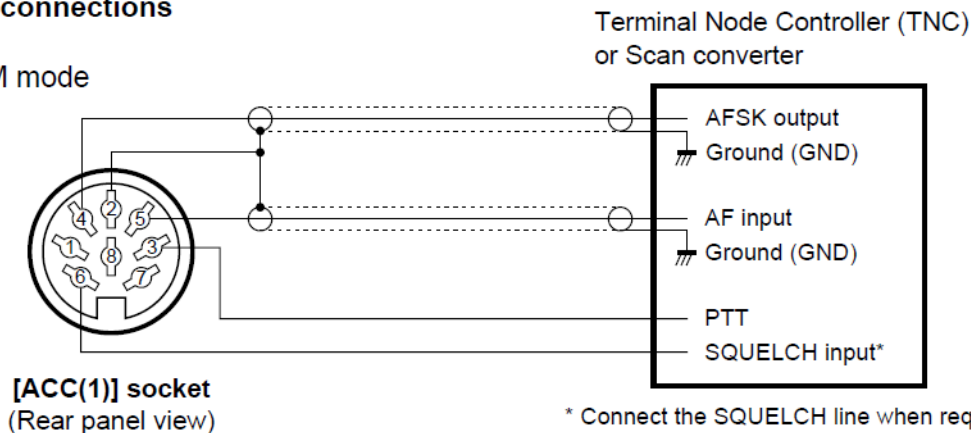
Use RTTY mode for operation



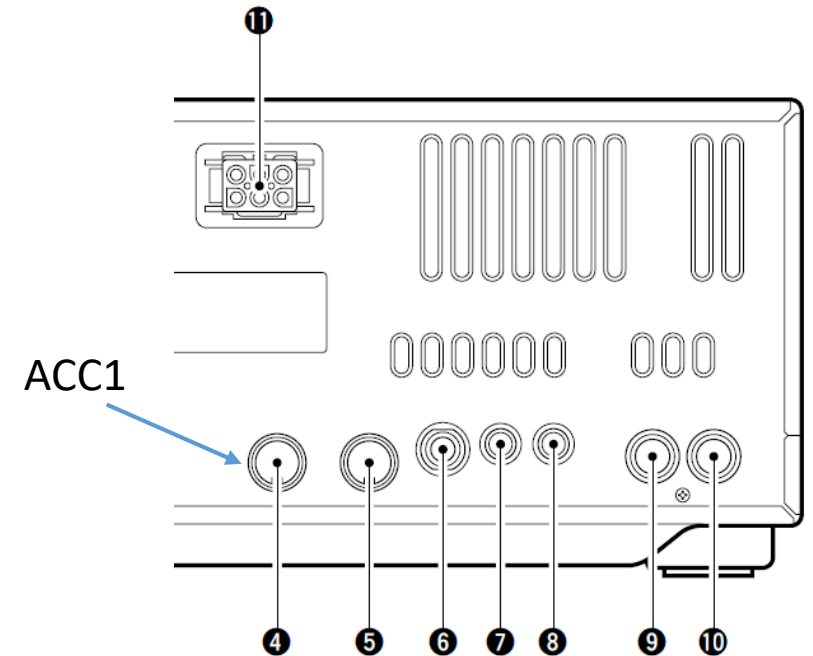
* Connect the SQUELCH line when required.

AFSK and SSTV connections

Use SSB or FM mode for operation



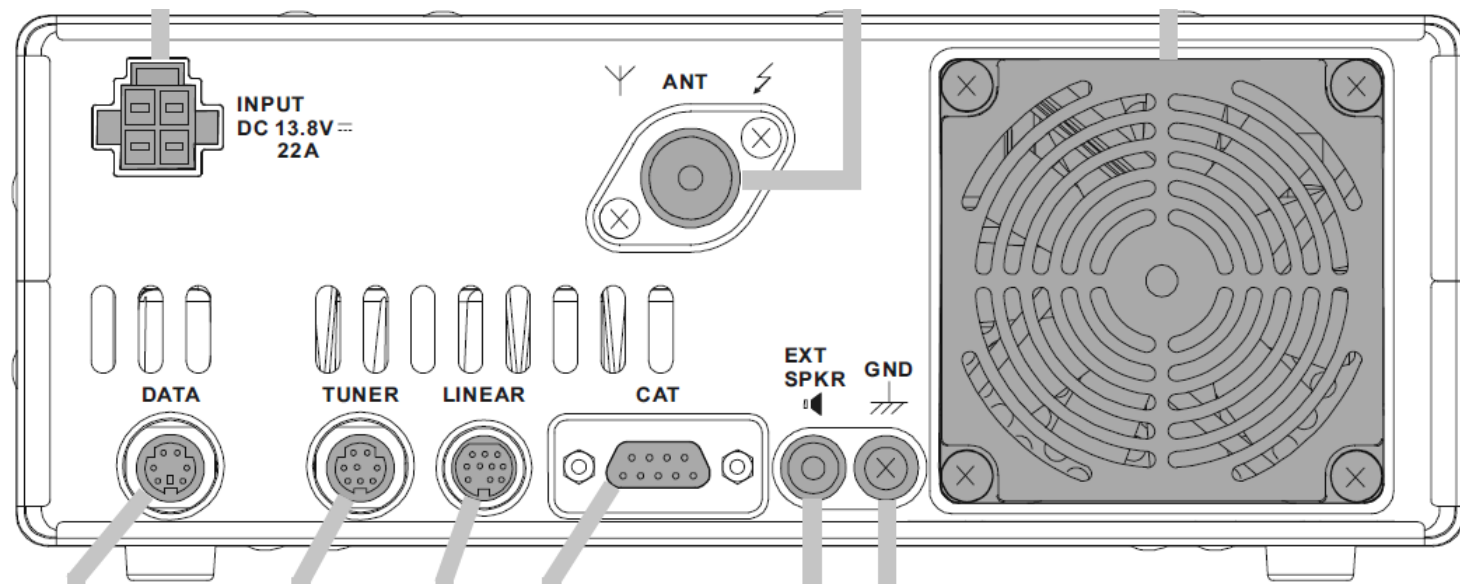
* Connect the SQUELCH line when required.



7 CI-V REMOTE CONTROL JACK [REMOTE] (p. 16)

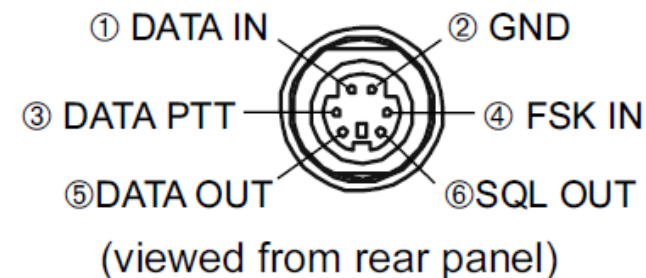
- ➔ Designed for use with a personal computer for remote control of transceiver functions.
- ➔ Used for transceive operation with another Icom CI-V transceiver or receiver.

FT-450



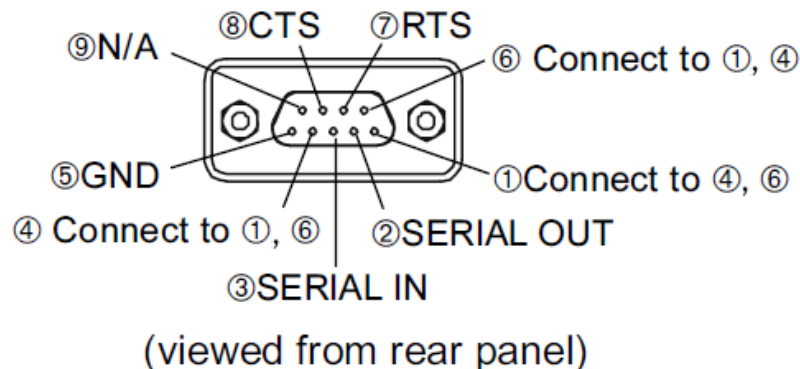
DATA Jack

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

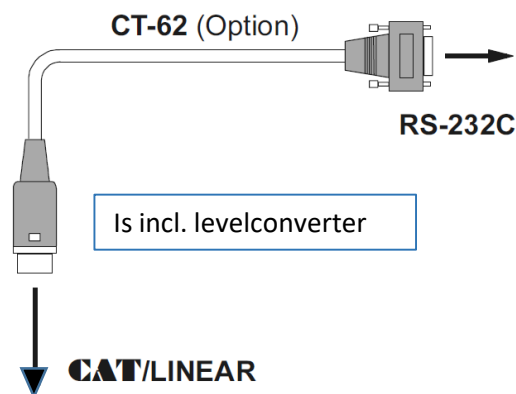
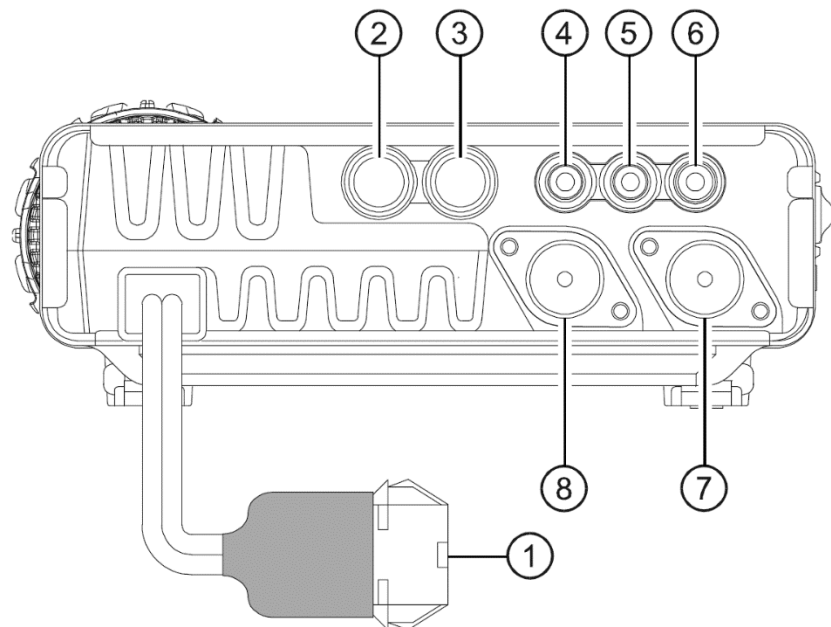
This 9-pin serial DB-9 jack allows external computer control of the **FT-450D**. Connect a (straight) serial cable here and to the RS-232C COM port on your personal computer (no external interface is required).



FT-857

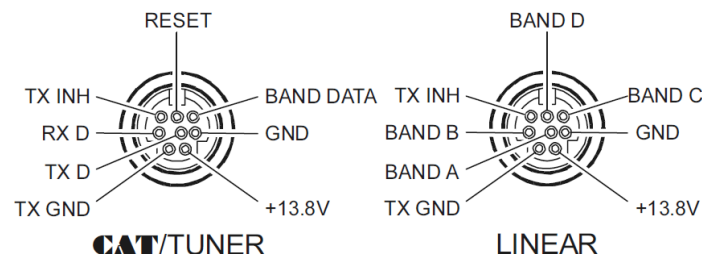
LET OP:

De CAT van de 857 heeft in het menu verschillende instellingen. De CAT poort kan werken als CAT naar de pc, maar ook als verbinding naar een tuner of linear. Kies CAT voor pc-control.



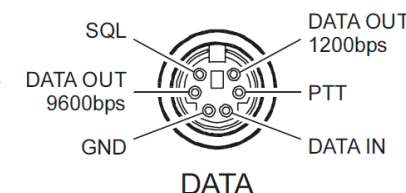
② CAT/LINEAR Jack

This 8-pin mini-DIN jack is used for connection to the **FC-30** External Automatic Antenna Tuner. It is also used for interfacing to a personal computer for control of the transceiver using the **CAT** system, and for interconnection to the **VL-1000** Linear Amplifier.



③ DATA Jack

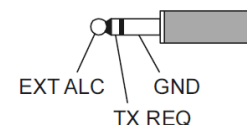
This 6-pin, mini-DIN jack accepts AFSK input from a Terminal Node Controller (TNC); it also provides fixed-level Receiver Audio Output, Push-To-Talk (PTT), Squelch Status, and ground lines.



④ ACC Jack

This 3.5-mm 3-pin jack accepts external ALC (Automatic Level Control) voltage from a linear amplifier on the tip connection, and accepts a "Transmit Request" command on the ring connection. The main shaft is the ground return.

The "TX Request" connection, when shorted to ground, puts the **FT-857D** into the transmit mode, and sends out a steady CW carrier, for linear amplifier or manual antenna tuner adjustment.



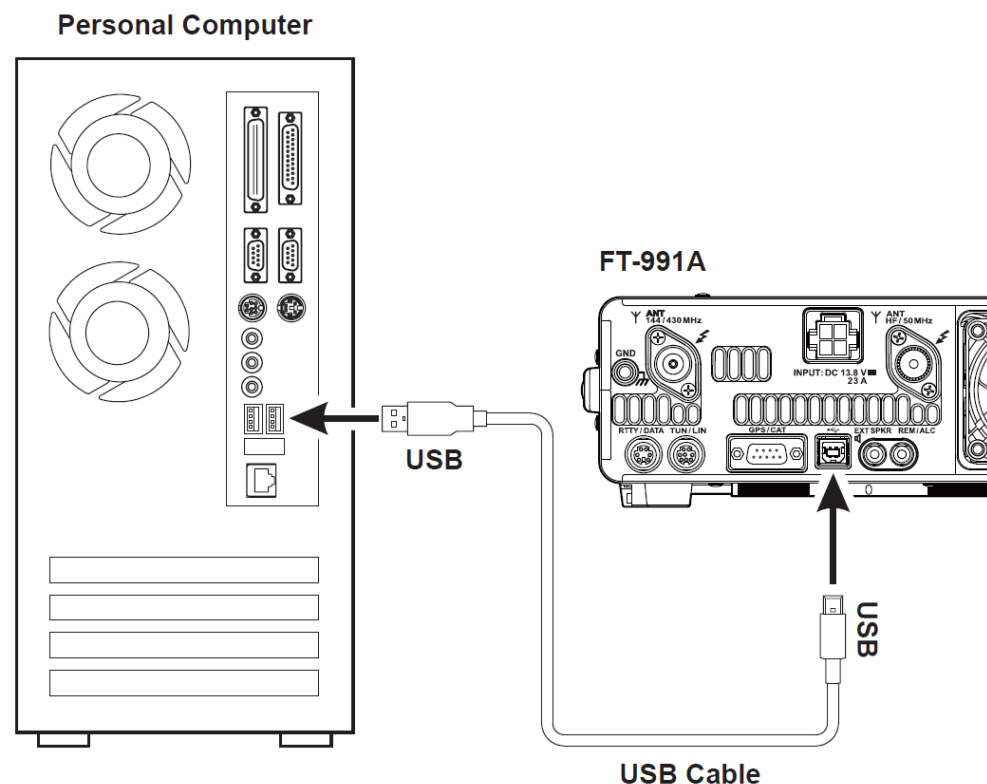
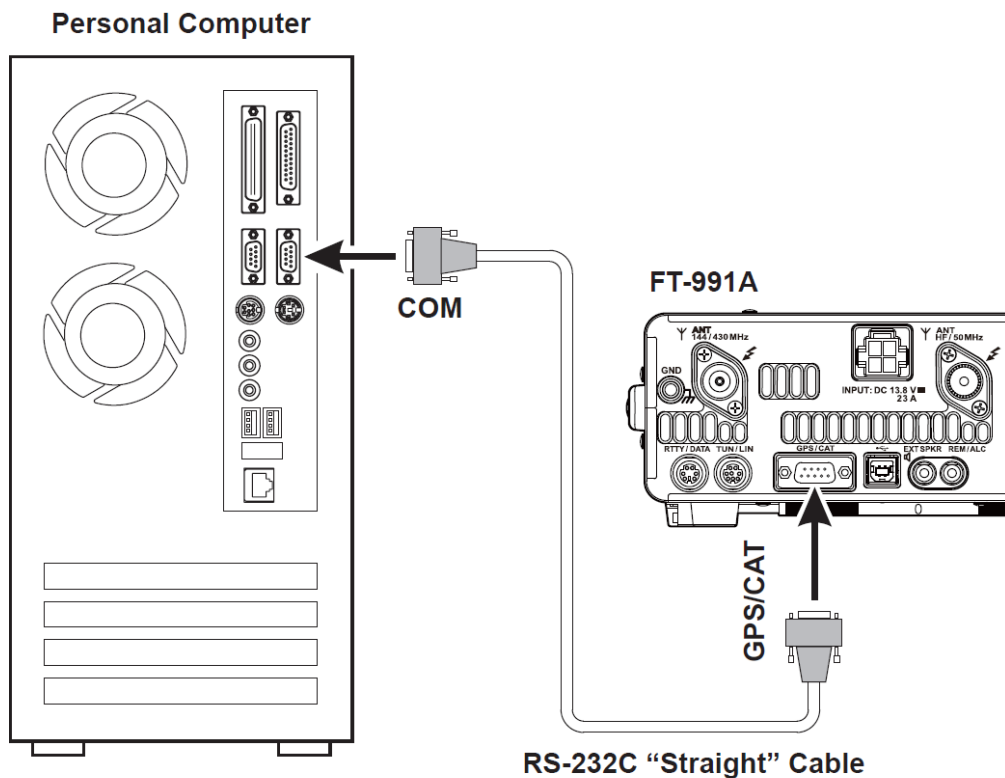
FT-991A

Connect a USB Cable from the FT-991A USB port and your computer

Advice:

Before connecting the USB cable you must download the SCU-17 Drivers. The Drivers can be found on the FT-991A FILES page at the Yaesu Web page, www.yaesu.com.

Once the Drivers have been installed connect the USB cable to the computer and then to the radio. At your computer's Device Manager you will find a Standard Driver and Enhanced Driver installed.

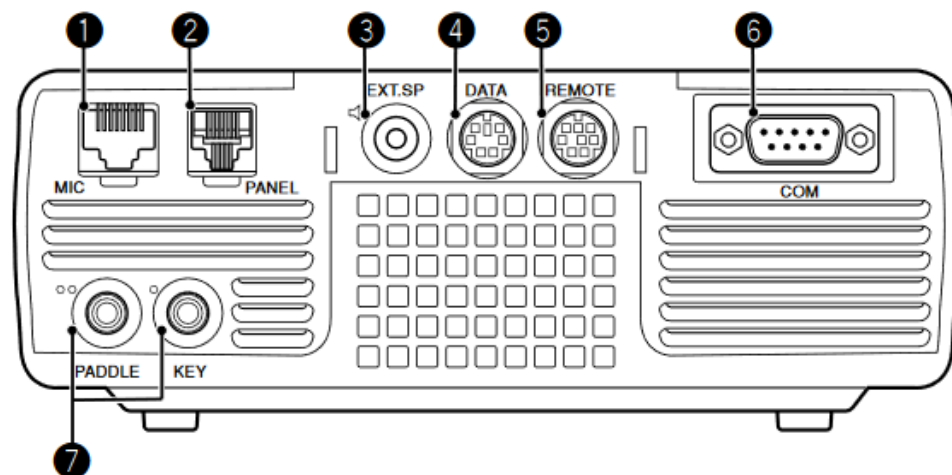


Flex-6000 serie (all software)

- Software:
 - SmartSDR Win of Maestro (de gewone bediening)
 - N1MM Logger + (CAT aan virtuele COM poort)
 - SmartSDR CAT (maak hiermee een virtuele COM poort aan voor N1MM)
 - DAX (digitale audio kanalen, meervoudige interne geluidkaart eigenlijk)
 - MMTTY (in AFSK)
- Instellingen:
 - Slice A aan DAX1 RX en DAX TX dus 1 RX stream en 1 TX stream
 - Default CAT port 4 (C-icon) of anders Add..
De client CAT (= straks N1MM) is Serial en FlexVSP
 - N1MM op 38400-8N1, aan client CAT poort, PTT via command, PTT delay 30ms
 - MMTTY als gewoonlijk: AFSK – soundcard, audio = DAX 1 RX en DAX TX
 - CW met Winkey, extra virtuele COM poort gebruiken met winkeyer als Port protocol

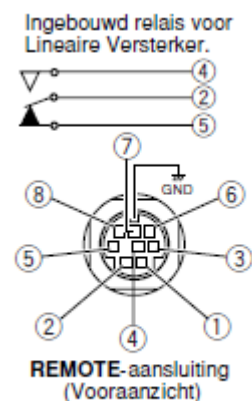
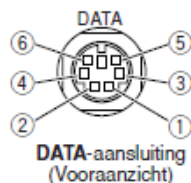
Kenwood TS-480

Baudrate com-poort: 9600 8N1



Pentoewijzing van de DATA-aansluiting (6-pens mini-DIN)

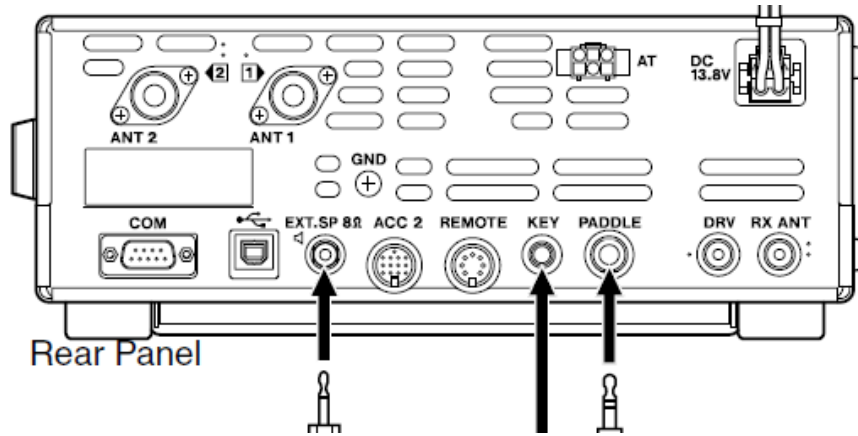
Pen-nummer	Pen-naam	Functie
1	ANI	Geluidsvoer vanaf de MCP of TNC
2	AGND	Massa van geluidsvoer
3	DTS	Verbindt dit aansluitpunt met de massa om te zenden. Als deze wordt geaard, schakelt de microfooningang Uit.
4	NC	Niet aangesloten
5	ANO	Geluidsuitvoer naar de MCP of TNC
6	SQC	Toestand van de squelch: • Squelch geopend: Lage impedantie • Squelch gesloten: Hoge impedantie
Metalen omhulsel	GND	Massa



Pentoewijzing van de REMOTE-aansluiting (8-pens mini-DIN)

Pen-nummer	Pen-naam	Functie
1	SPO	Luidsprekeruitgang
2	COM	Gemeenschappelijk aansluitpunt van het relais
3	SS	Verbindt dit aansluitpunt met de massa om te zenden. ANI-aansluiting (DATA -aansluiting) gaat Uit.
4	MKE	Verbindt met COM (pen 2) wanneer de transceiver zendt.
5	BRK	Verbindt met COM (pen 2) wanneer de transceiver ontvangt.
6	ALC	ALC-ingang vanaf versterker (-7 V)
7	RL	Ong. +12 V gelijkstroom wordt uitgevoerd wanneer de transceiver zendt (max. 10 mA).
8	RTK	RTTY (FSK)-ingang. Verbindt dit aansluitpunt met de massa om te wisselen tussen een Teken en een Spatie.
Metalen omhulsel	—	Massa

Kenwood TS590SG



TS590SG heeft audio via USB
en via ACC2 (menu-item)

ACC2 CONNECTOR

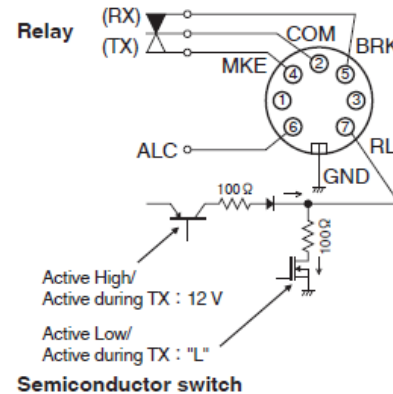


Pin No.	Pin Name	Function	I/O
1	NC	No connection	—
2	RTTY	RTTY key input	I
3	ANO	Audio output from the transceiver - Connect to the audio input of the TNC, MCP, or PC (or PC interface connection). - Audio output level is independent from the AF control setting. - Audio output level can be changed by adjusting the value in Menu No. 74. Set the value to a moderate audio output level. The default value of 4 is approximately 0.5 V_{p-p}, which is a standard modulating signal. The settings of 0 ~ 9 vary from approximately 0 V_{p-p} to 1.2 V_{p-p}. - Impedance: Approx. 10 kΩ.	O
4	GND	Ground	—
5	PSQ	Transceiver squelch control - Connect to the squelch input of the TNC, MCP, or PC connection interface. - Squelch open: Low impedance - Squelch closed: High impedance	O
6	NC	No connection	—
7	NC	No connection	—
8	GND	Ground	—
9	PKS	PTT input for data communication - Connect to the PTT output of the TNC, MCP, or PC connection interface. - Microphone audio input mutes when transmitting.	I
10	NC	No connection	—
11	ANI	Audio input for data communication - Connect to the audio output of the TNC, MCP, or PC (or PC interface connection). - Audio input level is independent from the microphone gain (set with the [MIC] key). - Audio input level can be changed by adjusting the value in Menu No. 73. The default value of 4 is approximately 10 mVrms, which is a standard modulating signal. The settings of 0 ~ 9 vary from approximately no modulation to approximately 1 mVrms. - Impedance: Approx. 10 kΩ.	I
12	GND	Ground	—
13	SS	PTT input (same as the front panel MIC connector) During transmission, the audio input of ACC2 connector terminal 11 (ANI) and the USB terminal are muted.	I

COMMUNICATION PARAMETERS

In order to control the transceiver with the computer, you must first choose the communication parameters.

- On the computer, configure your transceiver control application for 8 data bits, 1 stop bit, and no parity.
- On the transceiver, select the same transfer rate via Menu No. 67 (COM port) or 68 (USB port).
 - The defaults are 9600 bps and 1 stop bit for Menu No. 67 and 115200 bps and 1 stop bit for Menu No. 68.



REMOTE Connector
(View from the rear panel)

Yaesu FTDX 101

