

15 CONNECTING PERIPHERAL EQUIPMENT

MCP AND TNC

Use the **ACC 2** connector to connect the input/output lines from a Terminal Node Controller (TNC) for Packet operation, a Multimode Communications Processor (MCP) for operation on Packet, PacTOR, AMTOR, G-TOR™, or FAX, or from a Clover interface. Also use the **ACC 2** connector to connect SSTV and phone patch equipment.

- Connect the TNC or MCP to the **ACC 2** connector using a cable equipped with a 13-pin DIN plug.
- Connecting the TNC or MCP to a personal computer or dumb terminal requires an RS-232C cable.

Note:

- ◆ Do not share a single power supply between the transceiver and the TNC or MCP. Keep as wide a separation as possible between the transceiver and the computer as practical to reduce noise-pickup by the transceiver.
- ◆ The output voltage of Pin No. 6 (SMET) is not 0 V even when no signal is present. In addition, the output voltage differs between FM (approx. 2.8 ~ 3.8 V) and other modes (approx. 0.5 ~ 3.8 V). When connecting this pin to peripheral equipment such as a personal computer, the input impedance of that equipment must be higher than 1 MΩ. If you connect to equipment having lower impedance, the S-meter will not give accurate readings.

| Pin No. | Pin Name | Function |
|---------|----------|--|
| 1 | NC | Not connected |
| 2 | RTK | RTTY key input |
| 3 | ANO | AF output from receiver <ul style="list-style-type: none"> • Connect to TNC or MCP receive data pin for digital operation. • AF output level is independent of AF control setting. • AF output level can be changed via Menu No. 34. • Output impedance: 4.7 kΩ |
| 4 | GND | Shield for pin 3 |
| 5 | PSQ | Squelch control <ul style="list-style-type: none"> • Connect to TNC or MCP squelch control pin for digital operation. • Prevents the TNC from transmitting while the receiver squelch is open. • Squelch open: Low impedance • Squelch closed: High impedance |
| 6 | SMET | S-meter output |
| 7 | NC | Not connected |
| 8 | GND | Chassis ground |
| 9 | PKS | Transceiver PTT line control <ul style="list-style-type: none"> • Connect to TNC or MCP transmit/receive switching pin for digital operation. • Microphone audio input is muted when the transceiver is switched to the transmit mode. |
| 10 | NC | Not connected |
| 11 | PKD | Microphone audio input <ul style="list-style-type: none"> • Connect to TNC or MCP transmit data pin for digital operation. |
| 12 | GND | Shield for pin 11 |
| 13 | SS | PTT control (in parallel with MIC jack) for connecting a footswitch or other external controller |

