

Supplementary instructions re the CDARC remote – PLEASE READ

The CDARC remote is now using a FT2000 rather than the FT950.

The main advantage is the rig has two receivers (sharing a single front end so whilst operating independently can only listen on the same amateur band).

The FT950 is easier to use remotely, than sitting on front of the actual rig, as many features are buried in menus, brought out as sliders on the remote software. There is less difference between the FT2000 actual rig & using it remotely.

The FT2000 manual is available at

<https://www.yaesu.org.uk/app/download/2055251/FT-2000+Operators+Manual.pdf>

It is worth having a read especially “Basic Operation” starts page 35.

In the instructions both for installation and operating please substitute all references for FT950 to FT2000.

The comment on AM generally being set for 10watts no longer applies.

Until familiar with advanced procedures, I suggest use the rig with only VFO A active (i.e. red & green buttons upper either side of main dial show solid colour – NOT flashing & similar buttons either side of subsidiary dial – VFO B off)

The **codex setting** use PCM, Sample rate 8KHz, Bits per sample 16, STEREO

RE Instruction on using. The pictures are of the FT950, you must set FT2000 in your client setup, so you will see a picture of the FT2000 not the FT950. Several of the controls are in different places see manual. The meter switch is now a knob rather than a button. Clicking the “Knob” will cycle between ALC, Power Out, SWR etc.

The Server which controls the rig is set to “hibernate”, when not being used. It will automatically wake up once you turn on the rig power, but this does take a little while to happen. David T has modified the CDARC power control so you will know if the Server PC has woken up fully, please wait until this has happened before trying to “connect”. Depending on your browser, you may now hear bleeping if you only have 2 minutes left.

The power level of the FT2000 is usually left around 10w, it will need turn back up to 100w with each connection.

Please read “MESSAGE OF THE DAY”, whenever log on as this explains the aerial configuration, which does change from time to time.

SWR – Please check SWR (one way is to lower power level to about 10W, set to AM, turn on MOX, cycle meter checking Power Out & SWR, then turn off MOX). If SWR not less than 1:1.5 check using correct aerial for the band in use and use internal tuner to improve.

Process

- 1 Check the remote access calendar & book yourself a slot.
- 2 Run Putty session for connection to the Raspberry Pi.
- 3 Turn on power supply to Rig.
- 4 Note when Server is awake.
- 5 Run FT2000RC software
- 6 Connect to rig.
- 7 Turn on FT2000 (small circle on power button will go from pale grey to red) – may require a long click, wait to see effect before try again if necessary.
- 8 Enjoy using remote (remember to request more power before 15 minutes is up) – suggest run the power browser to one side of FT2000RC software and watch count down timer, more time can be requested at any time).
- 7 Turn off FT2000 & power control (in that order), then disconnect
- 9 **Exit Putty session by closing the putty window (*otherwise other members remain locked out*). Turning off your PC will have same effect.**

Trouble shooting.

Occasionally the audio server stops work when returning from Tx to Rx. If this happens click on the small red square to the right of the “connect” icon at bottom left of the FT2000RC, will turn it to a blue triangle, click this again & it will return to a red square switching on the audio again.