Elecraft K3S

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Elecraft K3S

The K3S is currently connected to the NARC2 computer. The Elecraft K3S/NARC2 is located in the middle of the long desk to the right of the IC-7610/NARC1 station.

Equipment summary

- Elecraft K3S (HF + 6m) transceiver
    - Astron RS-35A power supply
- Elecraft KPA1500
    - Elecraft power supply
- Elecraft P3 Panadapter
- Footswitch on the floor.
- Heil Pro 7 headset.
- Bencher BY-1 paddle.
- Windows 10 PC, single monitor set-up, dual monitor capable
    - WSTJ-X, JS8Call, fldigi, N1MM, N3FJP

Connect and power-up

1. Connect to the power mains.

Power cables are located between the wooden shelf and the east wall. Plug the large 240 V cable (orange tag) for the amplifier power supply into the 240 V wall outlet. The UPS is located on the window sill behind the NARC2 station. Plug the smaller 120 V cable for the Uninterrupted Power Supply (UPS) into the 120 V wall outlet.

2. Connect the radio to a suitable antenna.

Before you power up the radio, connect it to a suitable antenna. **The antenna connections are located on the north wall, near the repeater cabinet**. Choose the PL-259 connector with the orange K3S tag. Plug the cable from the radio into the cable connector for one of the antennas, for example, one of the triband Yagis for 10-20 m. **Please do not remove the N/PL-259 connectors from the antenna feedlines.**

3. Power up the UPS.

Press and hold the UPS POWER button until you hear 2 beeps.

4. Power up the Astron RS-35A power supply

The power supply is located to the far right of the NARC2 station. Press the red 'on' switch on the lower left front part of the panel.

5. Power up the K3S.

The POWER button is on the left side of the left side of the rig front panel.

6. Power up the P3 Panadapter.

This step is mandatory! The K3S will not transmit if the P3 is not powered up.

6. Power up the Elecraft KPA1500 amplifier

The IC-7610/NARC1 is connected to the Elecraft KPA1500 amplifier. The power supply for the KPA1500 is under the desk on a small footstool. Check that the KPA1500 power supply is on. If necessary, power-up the power supply by hitting the power switch on the upper rear left side of the power supply. When the amplifier power switch is on, you will see 3 green lights: AC on, High V supply, Low V supply. Power up the KPA1500 by pressing the **on** switch on the lower right hand side of the KPA1500 front panel.

Log-in to the computer

1. Power up the NARC2 PC by pressing the power button on the front panel.

2. Log-in using the appropriate password

The K3S/NARC2 is connected via USB2 to the NARC2 PC. Open your logging program of choice. NARC has licenses for N1MM and N3FJP's Amateur Contact Log.

To operate digital modes (e.g., FT8/FT4, JS8Call, fldigi), open those programs. See instructions for operating these modes in separate documents.

Figure 1: KPA1500 Power Switch