

Set up instructions – 2000 E

The computer has been completely setup and tested on our ESCA. The following instructions provide guidance on switching computers and the calibration of the system files for your ESCA.

Set up the computer and with display, keyboard, mouse and printer as you would any computer.

1. The Mouse is a USB mouse and will plug into one of the USB ports. Do not use the adapter and plug it into the green mouse port.
2. The keyboard plugs into the color coded keyboard connector.
3. The Display connector is the connector that is grouped with the other standard accessories.
4. We disabled the Ethernet services in the Win2000 software so the computer would not spend time trying to make a connection until you were ready. We did test the Ethernet . To enable the connection go the Start menu > Settings > Network and Dial up connections. Right mouse click on the Local Area Network and select the Enable item in the menu. You will have to establish you method connection to the network.
5. We configured you security so the computer boots up without bothering you with sign-in and passwords. To set these up go to Start > Settings > Control Panel > Users and Passwords. Check the box that states: “Users must enter user name and password to use this computer. Then set up you security.
6. After you have the computer set up shut the computer down. Transfer the cables from your existing computer to the new one. The three GPIO boards that are known as SC 12, SC 13 and SC 14 are arranged with SC 12 at the bottom and SC 14 at the top they are labeled. SC 12 is for the detector buffer memory, SC 13 the 8724 Spectrometer Power supply and SC 14 the Data fan out panel. We included 3 sets of screws to secure the cables because the old screws were most likely metric.
7. The HPIB cable that interfaces to the compumotor is connected to the card just above the SC 14.
8. Restart the computer. Go to the start menu > Programs > ESCA 2000 > ESCA 2000 G. This will open the ESCA capture program. You may need to go to Setup ESCA and use the ESCA setup program to cycle between Res 4 and Res 1 a few time to get the 8724 Spectrometer power supply synchronized with the software. This tends to happen any time the 8724 is turned for some period.
9. Please refer to the Software manual for calibration instructions.

Good luck and thank you for purchasing the ESCA 2000 software.

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