

Read Me First!

Congratulations on your purchase of NEWKEY/80 Ultra. Please review this page as well as the entire NEWKEY/80 Installation Guide before starting to insure a safe and trouble-free installation.

If you are not comfortable working with and measuring voltages, do not attempt this installation. You are welcome to return your NEWKEY/80 for a full refund.

Never touch the CRT or related high-voltage circuitry inside the case. It is not necessary to do so for a NEWKEY/80 installation. However, the TRS-80 power supply also has high (mains) voltage (120V). Use extreme caution when working inside your TRS-80.

These are the most important points:

1. This process may seem daunting but in practice it should only take about 15-20 minutes to complete the installation.
2. NEWKEY/80 mounts inside of your TRS-80 case and requires +5v and ground connections.
3. If you have any questions or problems with your NEWKEY/80 installation or use, please contact me at support@plaidvest.com
4. **There are high (and deadly) voltages present inside your TRS-80.** You are performing this installation **AT YOUR OWN RISK.**
5. Use extreme caution when removing the top of your TRS-80. The CRT yoke is only 1/2" from the motherboard and is very fragile. **You must lift the case straight up to avoid breaking your CRT neck.** Make sure to review the NEWKEY Installation Guide and related YouTube videos before opening your TRS-80.
6. Do not work on your TRS-80 with the power on. UNPLUG your TRS-80 while working inside of the case.
7. Two power cables are provided with your NEWKEY/80. A simple 2-wire red/black power cable and a disk drive power splitter cable.

Voltage and polarity checks are critical to avoid damaging your TRS-80, disk drive, and NEWKEY/80. You are responsible for confirming voltage and polarity of disk drive and NEWKEY/80 power cables before connecting the related devices.

The disk drive uses both +5v and +12v and reversing these connections will damage your disk drive. Vintage computers may not always have standard connections or wire colors. Check disk drive voltages and orientation BEFORE AND AFTER connecting the splitter. **DO NOT CONNECT YOUR DISK DRIVE until you have confirmed voltages and polarity from the splitter are correct.**

8. When using your NEWKEY/80 for the first time you can display the current Model setting with CTL-ALT-A (about). If you need to change the current Model setting press CTL-ALT-3 for Model 3 and CTL-ALT-4 for Model 4. Confirmation of your choice will be displayed.
9. You can reset your TRS-80 with CTL-ALT-DELETE. For additional commands press CTL-ALT-H (help) or refer to the NEWKEY/80 User's guide.