

Social Entropy

Electronic Music Instruments

Tech Note

UPDATING THE QUICKSILVER 303 OPERATING SYSTEM

Before updating the operating system, be sure that the TB-303 is not running on battery power. If the power is interrupted during the operating system update, the CPU operating system may be corrupted. Connect the TB-303 to a good regulated power supply before performing operating system updates.

The Quicksilver 303 CPU uses the USB port to receive and update the operating system. An update utility running on a personal computer sends the operating system file to the Quicksilver 303 CPU using USB. The update utility is available for various operating systems and can be downloaded from the Social Entropy website.

Perform the following steps to update the operating system:

1. Download and install the update utility.
2. Download the latest operating system zip file.
3. Unzip the operating system files.
4. Run the update utility.
5. In update utility, load the new OS hex file (from step 3).
6. Set the update utility to automatic mode by pressing the AUTO mode button in the update utility.
7. Connect the Quicksilver 303 CPU to your PC using a standard USB cable.
8. Boot the 303 in update mode. To do this, press and hold both the WRITE/NEXT and BACK buttons while powering on the machine.
9. You should see the update utility recognize the Quicksilver 303 and begin uploading the new operating system automatically.
10. After the new operating system is loaded, the TB-303 will reboot itself running the new OS.
11. You can check the OS version in CONFIG MODE by pressing the BACK button.

Some OS updates may require configuration memory to be reset after updating the operating system. This will be noted in the OS release notes. To reset configuration memory, press and hold the CLEAR button while powering on the TB-303. This procedure will initialize all CONFIG MODE settings to default values. The desired values should be set again in CONFIG MODE after the reset.