

Social Entropy

Electronic Music Instruments

Tech Note

SCANNING ORIGINAL TB-303 MEMORY (OS v1.23C & ABOVE)

The Quicksilver 303 is able to scan the original 303 memory chips. The 303 PATTERN data is converted to Quicksilver format and imported into the EEPROM memory of the Quicksilver 303 CPU.

This memory scan should only need to be performed once during initial installation of the Quicksilver 303 CPU.

DO NOT INITIATE A MEMORY SCAN IF THE 303 MEMORY CHIPS HAVE BEEN REMOVED AND REPLACED WITH THE FILTER CONTROL MODIFICATION.

Because the original memory circuits of the TB-303 use a battery backup, care must be taken to maintain the pattern memory while the Quicksilver 303 CPU is installed. Some TB-303s maintain enough charge to keep pattern memory intact for a few minutes, while others may last longer.

To ensure that power to the memory circuits is maintained, a battery/diode arrangement may be used to provide power to the memory circuits while the CPU is installed.

After the CPU is installed, the Quicksilver 303 should be booted while holding the C# and D# buttons. This will initiate the memory scan and copy pattern data into the Quicksilver 303 memory.

Some data may be invalid if the PATTERN data is scrambled in the 303 memory chips. This does not cause a problem, but some patterns may need to be cleared when the Quicksilver 303 CPU is used.