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## MPC3000 / MPC3000LE operating system maintenance upgrade 3.16

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### FILE LIST:

M3K316.RAR = the master file archive. Use WINRAR or STUFFIT EXPANDER to unpack.  
M3K316.PDF = this document.  
M3K316.SYS = floppy bootable operating system upgrade.

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### WHAT IS IT? :

System 3.16 is a floppy disk bootable operating system upgrade created as a service to the MPC3000 / MPC3000LE user community.

This new upgrade contains all the features of previously released 3.11, 3.12, 3.14B and 3.14 operating system versions together with some improvements.

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BUGS FIXED:

1: Corrected a bug known to exist since system 3.00 where function not implemented messages would be displayed when accessing certain menu options and soft keys.

The system no longer displays these error messages. Menu options and soft keys concerned now function in the correct manner.

2: Corrected a bug known to exist since system 3.00 where sound memory management would become extremely unstable when recording a sample over 327.6/163.8(STEREO/MONO) seconds in length.

The system can now reliably access 378.6/189.3(STEREO/MONO) seconds worth of sound memory when recording new samples.

3: Corrected a bug known to exist since system 3.00 where audio outputs would remain in an un-muted or active state when loading or saving sounds from and to disk.

The system audio outputs should now be a lot quieter when loading or saving sounds from and to disk.

4: Corrected a bug introduced in system 3.12 where incorrect error messages would be displayed when attempting to load the maximum number of SND files into memory via a PGM.

The system now correctly reports that there are too many sounds in memory rather than incorrectly stating that sequencer memory is running low.

5: Corrected a rare bug known to exist since system 3.00 where certain types of SCSI devices would fall into a disconnected or sleep state after being low level formatted.

Disk partitioning routines at this point could not wake or re-activate the connected SCSI device. The system would then crash displaying a non recoverable fatal error.

The system now incorporates additional SCSI device re-initialization and wake up routines for each stage of disk formatting. This ensures that badly behaving SCSI devices remain accessible where possible during all stages of disk formatting.

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#### FEATURE ENHANCEMENTS:

1: Program load screen now features the function to clear entire sound allocation memory before loading new PGM, SND or SET files.

2: Disk format screen now features a FAST and SLOW format function.

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NOTE: System 3.16 is neither produced nor supported by AKAI or Roger Linn Design.

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#### RUNNING THE UPGRADE FROM FLOPPY DISK:

Floppy bootable upgrade system disks for the MPC3000 / MPC3000LE temporarily load into RAM at start up time.

This type of operating system upgrade is not permanent and will not be saved when power is removed from the MPC3000 / MPC3000LE.

To use this software:

Unpack the M3K316.RAR file with WINRAR or STUFFIT expander.

Copy the unpacked M3K316.SYS file onto a blank or freshly formatted floppy disk.

Insert this disk into the floppy drive of an MPC3000 / MPC3000LE.

Turn the power on.

After about 45 seconds the MPC3000 / MPC3000LE will be running system 3.16.

When booting the MPC3000 / MPC3000LE from a system disk the available sequencer memory will be reduced from 484k to 439k.

This memory reduction represents about 10% of the available sequencer memory.

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#### TROUBLE SHOOTING:

If your MPC3000 / MPC3000LE has problems booting from the system disk created above then:

1: It may have a ROM version installed that is older than version 3.11.

The set of ROM chips will need updating.

2: Try making another boot floppy disk.

Repeat the procedure "RUNNING THE UPGRADE FROM FLOPPY DISK".

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#### THIS UPGRADE IN A SET OF ROM CHIPS:

Q: Why should you have this upgrade installed in ROM?

A: The upgrade when installed and run from ROM doesn't reduce the available sequencer memory.

A: The upgrade when installed and run from ROM boots immediately.

A: A whole lot of other technical reasons that are beyond the scope of this document.

For a very reasonable service fee this upgrade can be supplied in MPC3000 / MPC3000LE compatible ROM chips.

Contact Rohan Mansell for more information: [mpc3000le@yahoo.com.au](mailto:mpc3000le@yahoo.com.au)

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