

Section 1 - Lightworks Turbo BIOS CMOS configuration

As with all motherboards, the AMI Enterprise III used in the Turbo needs to have its CMOS settings configured for use with Lightworks. Unlike previous Lightworks motherboards, the CMOS battery is built into the same chip as the CMOS memory itself and an external battery is not needed. Switch the machine on and hit the DEL key to run SETUP. (Note that any error which reads 'EISA CMOS Checksum failure' will not be cured by changing the BIOS CMOS settings since EISA CMOS is entirely separate and needs to be configured with the EISA Configuration Utility, or ECU).

There are three screens of BIOS CMOS options to set and the settings are as follows:

AMIBIOS Setup Program Screen 1 - STANDARD CMOS SETUP

Hard Disk C: type	: Not installed
Hard Disk D: type	: Not installed
Floppy Drive A	: 1.44 MB, 3.5"
Floppy Drive B	: Not installed
Primary display	: VGA/PGA/EGA (or Monochrome if you have an older-type Mono display card. This is auto-detected).
Keyboard	: Installed

AMIBIOS Setup Program Screen 2 - ADVANCED CMOS SETUP

Typematic Rate Programming	: Enabled
Typematic Rate Delay (msec)	: 500
Typematic Rate (Chars/Sec)	: 30
Mouse Support Option	: Disabled
Above 1Mb Memory Test	: Enabled
Memory Test Tick Sound	: Disabled
System Boot Up Num Lock	: Off
Floppy Drive Seek At Boot	: Enabled
System Boot Up Sequence	: A:, C:
System Boot Up CPU Speed	: High
External Cache Memory	: Enabled
Internal Cache Memory	: Enabled
Password Checking Option	: Setup
Video ROM Shadow C000,32k	: Enabled
Adapter ROM Shadow C800,32k	: Disabled
Adapter ROM Shadow D000,32k	: Disabled
Adapter ROM Shadow D800,32k	: Disabled
System ROM Shadow F000,64k	: Enabled
Shadow RAM Write Protection	: Enabled
BootSector Virus Protection	: Disabled

AMIBIOS Setup Program Screen 3 - ADVANCED CHIPSET SETUP

Local Bus	: Present
Cache Write Back	: Enabled
Non-Cacheable Area 1	: DRAM
Non-Cacheable Area 1 Size	: 0KB
Non-Cacheable Area 1 Start	: Disabled
C000 Shadow RAM Cacheable	: Enabled
F000 Shadow RAM Cacheable	: Enabled
I/O Recovery Select	: 3 BLCKs

Once all these options are set, choose the 'WRITE TO CMOS AND EXIT' option. Press Y <ENTER> to confirm, and this completes the configuration of BIOS CMOS for the Lightworks Turbo.