MA-200 CMOS configuration

The MA-200 uses a PC BIOS (Basic Input Output System) that maintains its configuration settings in a battery backed up CMOS memory. This battery will eventually go flat, usually after about four to eight years of use and will need to be replaced. When the battery is replaced you may need to reset the MA-200 CMOS memory using the instructions below.

The first sign that the battery needs to be replaced is that the MA-200 will fail to start up and will display the message:

```
WAIT
CMOS checksum failure
RUN SETUP UTILITY
Press F1 to RESUME
```

Find a keyboard - you will need either an older keyboard with a DIN connector or a modern keyboard and an adaptor. Plug the keyboard into the back of the MA-200 and press F1 - after a short delay the AMIBIOS setup screen will appear.

Press the TAB key four times until the “Default” options are highlighted. Press the right arrow key to select “Optimal” and press ENTER. Press the right arrow key once to select “Yes” to the question “Load optimal values?” and then press ENTER to return to the AMIBIOS setup screen.

Press the TAB key to return to the main “setup” menus and then the right arrow key to select “Advanced” options. Press ENTER to display the Advanced Options. Use the down arrow key to move to the “System Keyboard” option and then press ENTER to display the selections. Use the arrow keys to select “absent” and press ENTER. The MA-200 will now start up without requiring that a keyboard be connected.

Press ESC once to return to the main AMIBIOS setup screen and then press ESC again to exit. You will be asked if you want to “Save Changes & Exit” - selecting this option will update your CMOS memory configuration and reboot the MA-200.

When the MA-200 restarts you should find that it functions as before. Remove the keyboard and then cycle the AC power to the MA-200 to check that the system is completely functional without the keyboard.

Please contact Motion Lab Systems if you have continue to have problems with the MA-200 - you can reach us at support@motion-labs.com