



TECH NOTES

Date: 11-17-09

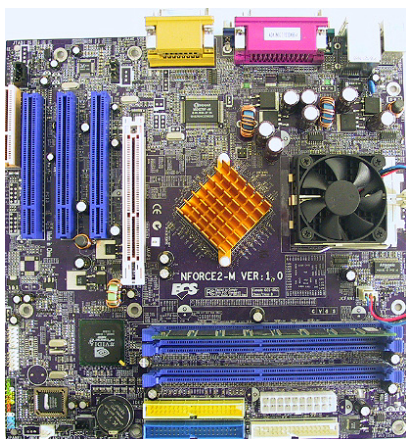
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Re: Fusion Hard Drive Upgrade with Ion 2010

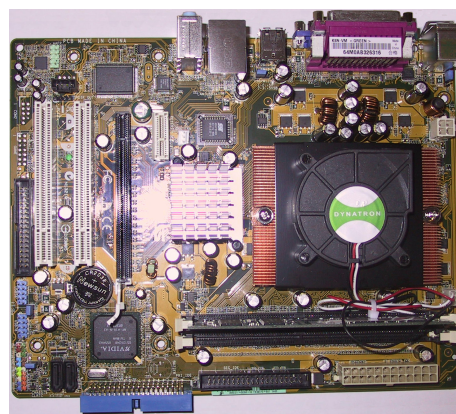
Beginning with the Ion 2010 software release, all new Ion hard drives sent by AMI Entertainment Network will be SATA drives. Due to the many advantages they provide, these SATA hard drives have replaced the older PATA drives in Megatouch Ion games across the board. If you are replacing a PATA hard drive **in Fusion systems with ECS motherboards**, a different SATA to PATA adapter (part number: SB0679-01) is needed to properly install the SATA hard drive. This kit can be ordered from your distributor. To install this new adapter *in your Ion Fusion game*, please follow the instructions on the reverse side of this sheet in conjunction with the instructions in the Ion Hard Drive Upgrade Manual (PM0590-22).

NOTE: At the time of this document's publishing, the adapter needed for Fusion systems with PATA hard drives and ECS motherboards is currently in short supply. If you wish to install the 2010 update on your Fusion, you will need to update it via DVD.

To determine if your Ion Fusion game has an ECS motherboard, please refer the motherboard pictures below. You can also use your game serial number to find out what type of motherboard it was produced with. Games with serial numbers of 031507XXXXXXXX and above (where the first 6 digits represent the manufacture date) were built with ASUS motherboards. **These ASUS systems are not affected by the information in this Tech Note.**



ION ECS MOTHERBOARD
(NEEDS THE SATA TO PATA ADAPTER)



ION ASUS MOTHERBOARD
(DOES **NOT** NEED THE ADAPTER)

FIGURE 1 – ECS AND ASUS MOTHERBOARDS

If you have any questions, please contact Customer Service and Technical Support by phone at 800-523-2760 or 215-826-1400, or by e-mail at TechCenter@amientertainment.com.

Hard Drive Installation Instructions for Fusion Games with ECS Motherboards

IMPORTANT: Please substitute these instructions for the Fusion instructions on page 5 in the Megatouch Ion Hard Drive Upgrade Manual (PM0590-22), starting with Step 5d.

- 5d. Disconnect the 4-pin power cable (currently attached to the IDE cable) from its connection inside the electronics box and connect this 4-pin connector to the provided EC0358 SATA power cable. See Figure 1.
- 5e. Connect the provided EC0391-01 harness and the SATA data cable to the provided adapter board as shown in Figure 1.

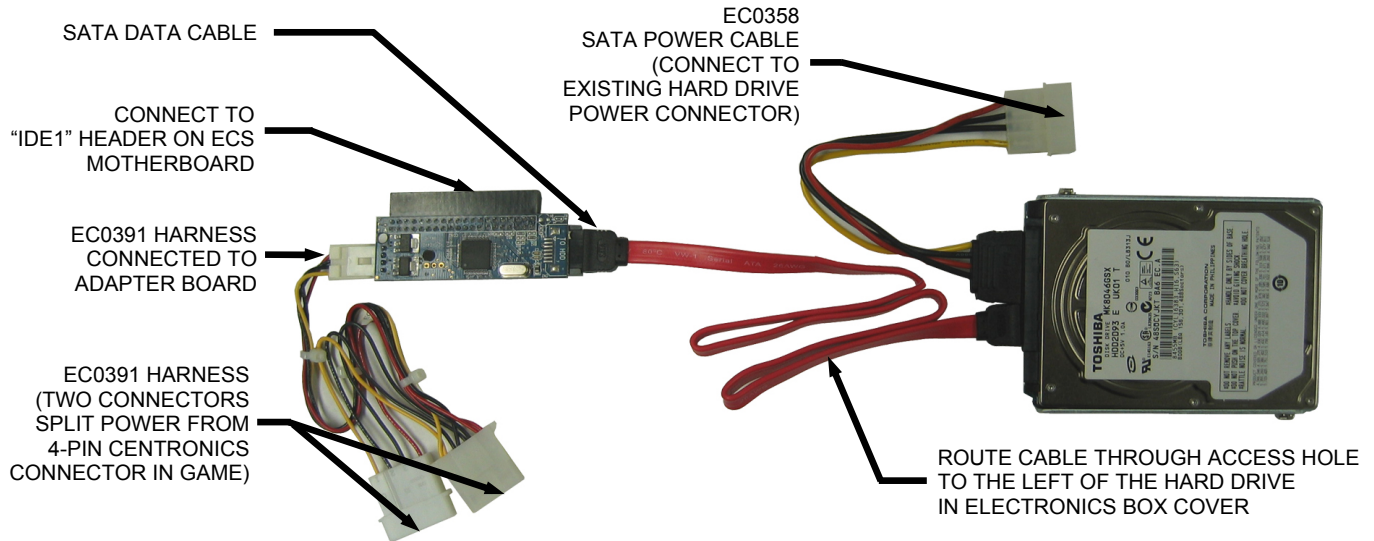


FIGURE 1 – SATA TO PATA ADAPTER BOARD AND ATTACHED CABLING

- 5f. Disconnect and remove the IDE cable from the motherboard (this cable, along with the 2-pin to 4-pin power cable will not be reused). Connect the mating connector on the provided adapter board to the “IDE1” header on the motherboard (where the IDE cable was previously connected). See Figure 1 above.
- 5g. Locate the 4-pin connection coming from the centronics upgrade connector inside the electronics box (see Figure 7 in the PM0590-22 manual). Disconnect this 4-pin connection and connect each of the mating connectors on the EC0391 harness to these two 4-pin connectors (see Figure 1 above). Hold the electronics box cover up to the electronics box and route the free end of the SATA data cable and the EC0358 harness through the access hole in the electronics box cover to the left of the absent hard drive (see Figure 1 above). Route the two OSD board connectors through the access hole to the right of the absent hard drive.
- 5h. Separate the CPU fan mounting plate from the old hard drive by removing the one or two nuts. Reattach the CPU fan assembly to the new hard drive with the same nut(s).
- 5i. Connect the free ends of the EC0358 (SATA power cable) and the SATA data cable to the new hard drive as shown in Figure 1 above.
- 5j. Slide the new hard drive assembly into place on the electronics box cover. Align the hole in the mounting bracket with the hole on the mounting plate, and then secure it with the screw.
- 5k. Replace the cover on the electronics box and secure it with the two screws. Reconnect the two or three fan connections you removed. Reconnect the two OSD board connections (see Figure 7 in the PM0590-22 manual).
- 5l. Continue with step 7a in the PM0590-22 manual to install a marquee; continue with step 8 to install the security key.