PROMISE® TECHNOLOGY, INC.

Create and Duplicate feature of FastTrak TX2300 BIOS

(version 2.5.xxxx.x and 2.8.xxxx.x)

HOW-TO

Revision 1.01
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PROMISE TECHNOLOGY, INC.

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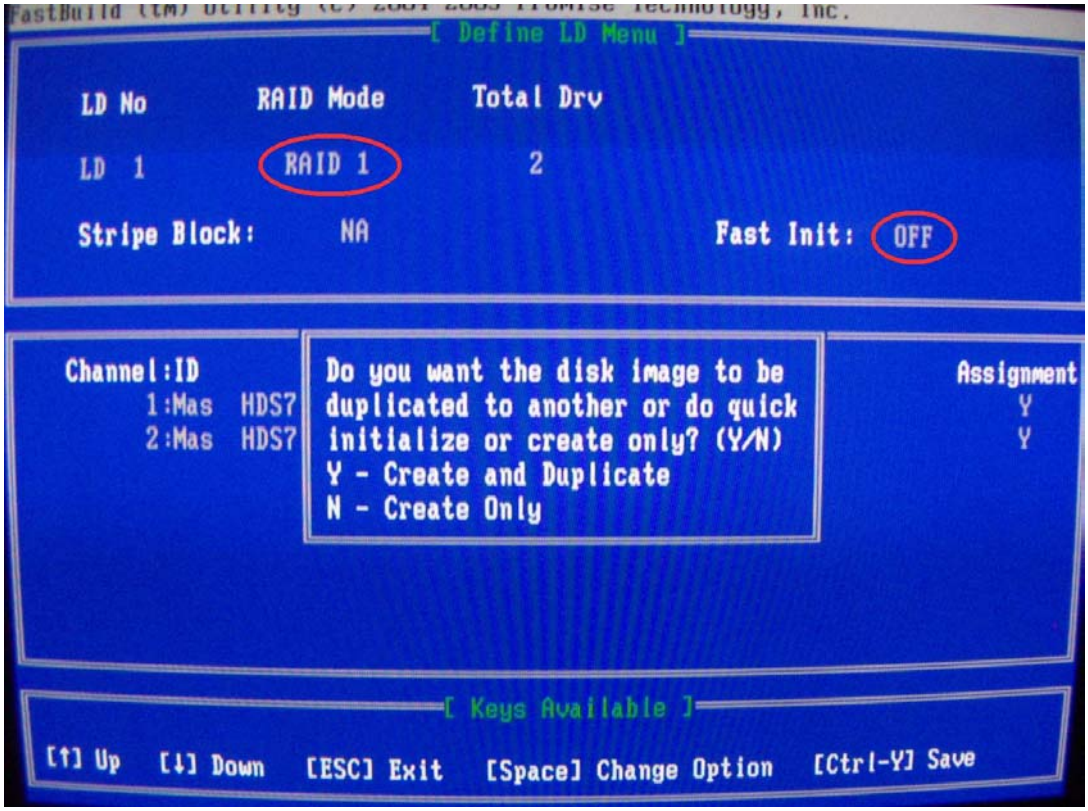
1. Objective

The purpose of this document is to clear describe how to use the Create and Duplicate feature of RAID1, Continue rebuild of rebuilding RAID1 and convert a JBOD disk to RAID1 or 1 drive RAID0 without lost the data.

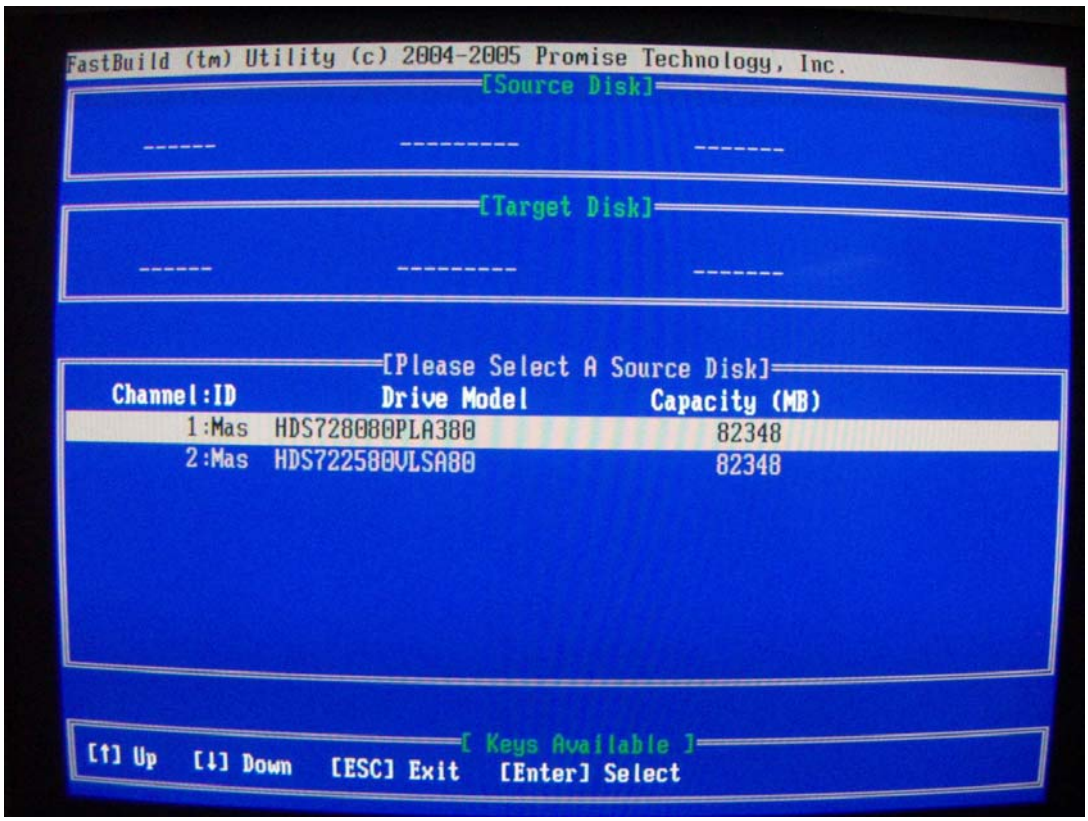
2. Create and Duplicate of Raid1

2.1. From BIOS UI, press [2] to select the option "Define LD…[2]". Select one unused LD and then press "enter" to Create a LD.

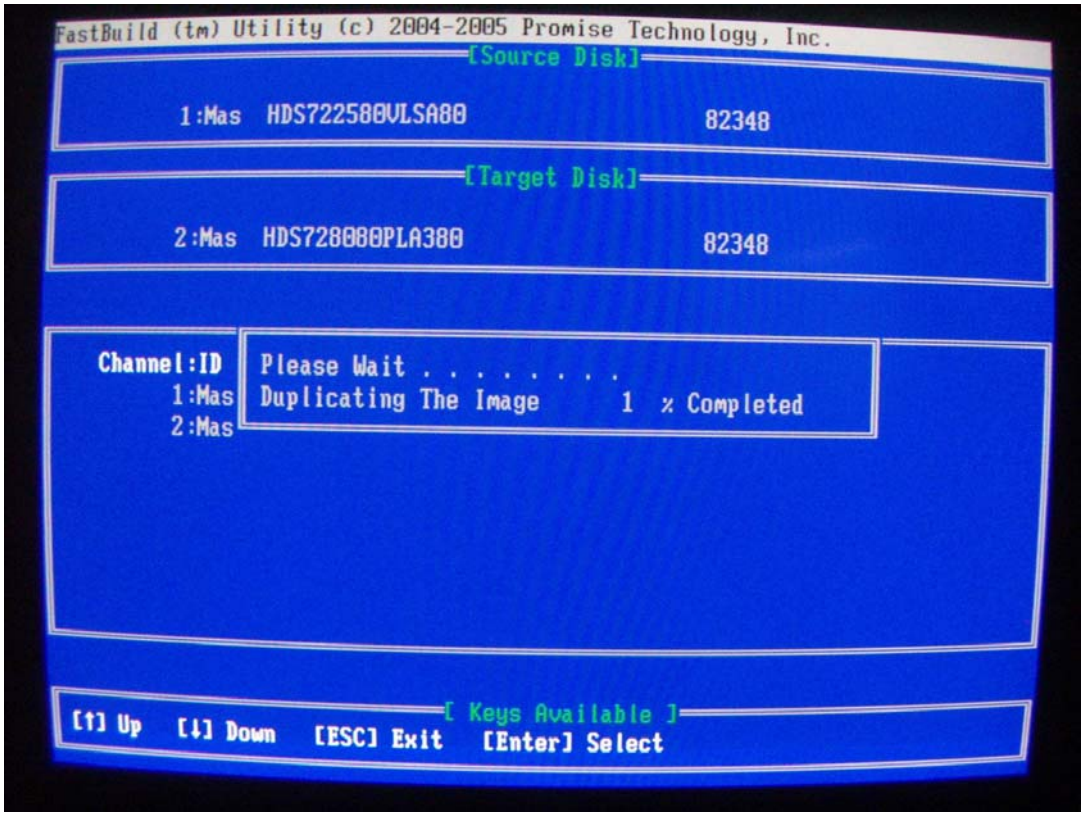
2.2. Set the RAID Mode to RAID1, and set the "Fast Init" option to "OFF".



2.3. Select A Source Disk



2.4. Start Duplicating

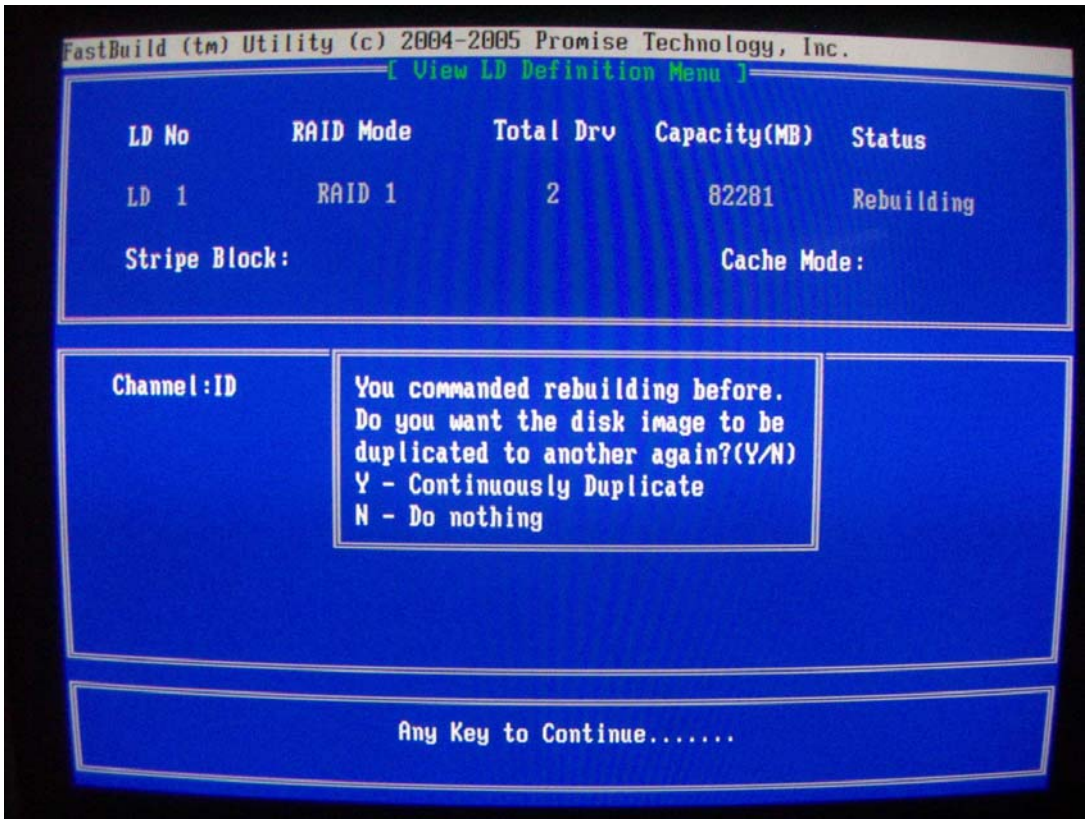


3. Continue rebuild of rebuilding RAID1 from “Define LD” menu.

When system boot and BIOS detected a rebuilding RAID1, we can continue the rebuild from BIOS menu.

3.1. From BIOS UI, press [2] to select the option “Define LD…[2]”. Select the LD which status is rebuilding. Then press “enter” to rebuild this rebuilding LD.

3.2. Press “Y” to continuously Duplicate.

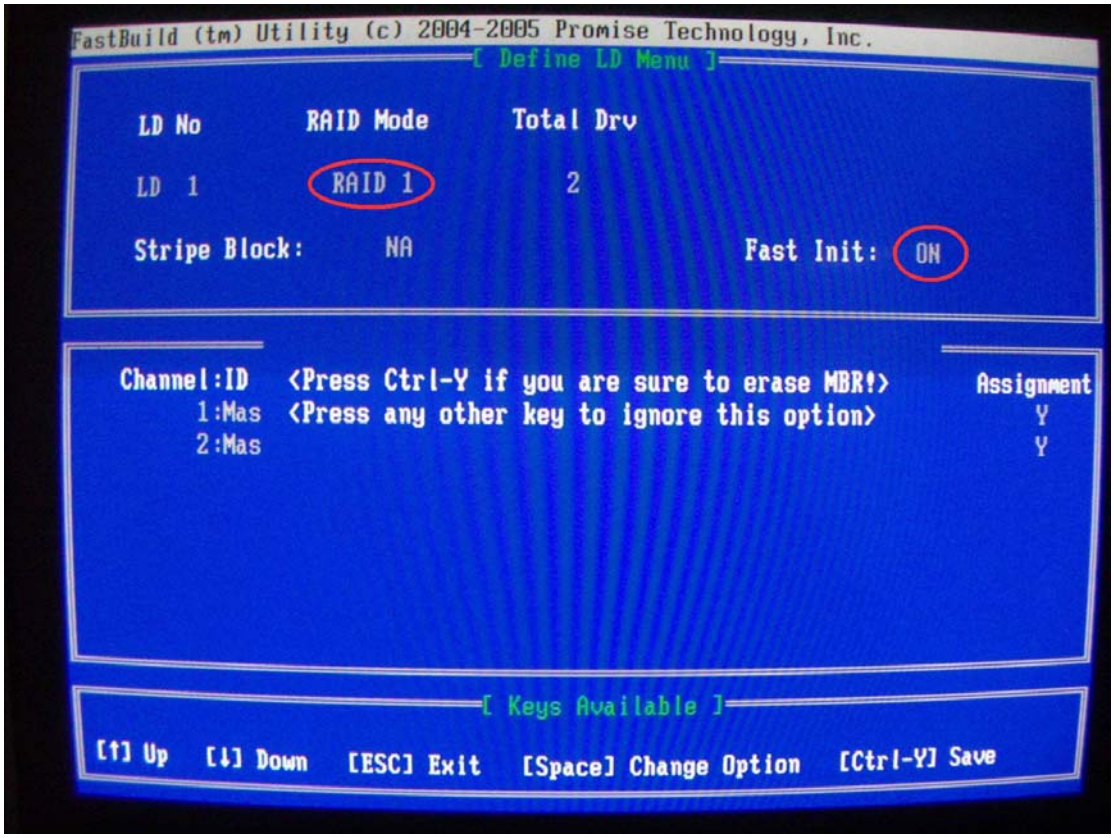


4. Create RAID1 and Erase the data

4.1. From BIOS UI, press [2] to select the option "Define LD…[2]". Select one unused LD and then press "enter" to Create a LD.

4.2. Set the RAID Mode to RAID1, and set the "Fast Init" option to "ON".

4.3. The data will be erased after the above operation.



5. Not support Rebuilding from Critical RAID1 under BIOS.

5.1. You can rebuild the Critical Array under Windows or Linux WebPAM.

5.2. Or, deleting the Critical Array and follow the "1.1. Create and Duplicate of Raid1" steps to re-construct the RAID 1 array.

6. Convert a JBOD disk to Raid1 or one-drive raid0 without losing the data.

** The data before MDD can be kept following below operations, but the data after the MDD will be lost.*

6.1. Convert JBOD to RAID1

6.1.1. From BIOS UI, press [3] to select the option "Delete LD… [3]". Select the JBOD and then press "Del or Alt-D" to Delete the JBOD.

6.1.2. Follow the "1.1. Create and Duplicate of Raid1" steps to construct the RAID1 array.

6.2. Convert JBOD to RAID0

6.2.1. From BIOS UI, press [3] to select the option "Delete LD… [3]". Select the JBOD and then press "Del or Alt-D" to Delete the JBOD.

6.2.2. From BIOS UI, press [2] to select the option "Define LD…[2]". Select one unused LD and then press "enter" to Create a LD.

6.2.3. Create an one-drive RAID0, and set the "Fast Init" option to "OFF" from "Define LD" menu