

Create and Duplicate feature of FastTrak TX2300 BIOS

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

HOW-TO

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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

	ETai	get Disk]	
	EBI C-I		
Channel - ID	LPiedse Se	ect H Source Disk]	
1:Mas H	IDS728080PLA380	B2348	
2:Mas H	IDS722580VLSA80	82348	

2.4. Start Duplicating

FastBuild (tm) Utility (c) 2004-2005 Prom Cource	ise Technology, Inc. Disk]
1:Mas HDS722580VLSA80	82348
[Target]	DiskJ
2:Mas HDS728080PLA380	82348
Channel:ID 1:Mas 2:Mas	 1 % Completed
[1] Up [1] Down Front	ilable J
LESCI Exit [Enter]	Select



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.

LD 1	RAID 1	2	82281	Rebuilding
Stripe Block:			Cache Mo	de :
Channe I : ID	You com Do you duplica Y - Com N - Do y	manded rebuild want the disk ted to another tinuously Dupl nothing	ling before. image to be again?(Y/N) icate	



- 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.

LD No	RAID Mode	Total Drv		
LD 1	RAID 1	2		
Stripe Block	k: NA		Fast Init: ON)
Channe l : ID	<press ctrl-y<="" td=""><td>if you are cure t</td><td></td><td>Ass</td></press>	if you are cure t		Ass
1:Mas 2:Mas	<press any="" ot<="" td=""><td>her key to ignore</td><td>this option></td><td>11001</td></press>	her key to ignore	this option>	11001
1:Mas 2:Mas	<press any="" ot<="" td=""><td>her key to ignore</td><td>this option></td><td></td></press>	her key to ignore	this option>	



- 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 RAIDO, and set the "Fast Init" option to "OFF" from "Define LD" menu

LD No	RAID Mode	Total Drv		
LD 1	RAID 0	1		
Stripe Blo	ock: 64 KI	B	Fast Init: (OFF
Channel : 10	De ius	Drives Assignm	ents]	0
				21.76.76
1:Mas	HDS728080PLA	380	82348	11551
1:Mas	s HDS728080PLA;	380	82348	
1:Mas	s HDS728080PLA:	380	82348	
1:Mas	s HDS728080PLA3	380	82348	