

## Chapter 5 Quick Setup



### NOTE:

A “Logical Drive” is a set of drives grouped together to operate under a given RAID level and appears as a single contiguous drive. The DA-3000 controller is capable of grouping connected drives to as many as 8 logical drives, each configured on the same or different RAID levels. A logical drive can be further divided into a maximum of 8 “Partitions”. During operation, the host sees an unpartitioned logical drive or a partition of a partitioned logical drive as one single physical drive.

### 5.1 Front Panel

The DA-3000 controller’s default configurations are based on the number and location of the drives installed. If this is your first time to install, we suggest that you try the default configurations provided by the “Quick Installation” function. This will allow you to immediately verify whether the system is working. Further optimization can then be made later on.



### IMPORTANT:

*Quick Setup assumes there is only one host channel.*

Press **ENT** for 2 seconds to enter the Main menu. Select “Quick Logical Drive Install ..”, then press **ENT**.

```
Quick Logical
Drive Install ..
```

The number of drives and the first possible RAID level will appear on the LCD display. Use ▼ or ▲ to select the RAID level, then press **ENT** for two seconds to enter the selected RAID level. The controller will now start initialization.

```
Set TDRV=4 with
LG RAID5+Spare ?
```

```
Init Parity 10%
Please Wait!
```

**The RAID levels available are as follows:**

- 1 Drive = NRAID (Disk Spanning)
- 2 Drives = RAID0 or RAID1
- 3 Drives = RAID0
  - RAID1 + Spare
  - RAID3
  - RAID5
- >3 Drives = RAID0
- (Odd)
  - RAID1 (0+1)+ Spare
  - RAID3
  - RAID3 + Spare
  - RAID5
  - RAID5 + Spare
- >3 Drives = RAID0
- (Even)
  - RAID1 ( 0 + 1)
  - RAID3
  - RAID3 + Spare
  - RAID5
  - RAID5 + Spare

The LCD will display the logical drive's information after completing initialization.

`LG=0 RAID5 DRV=3  
4123MB GD SB=1`

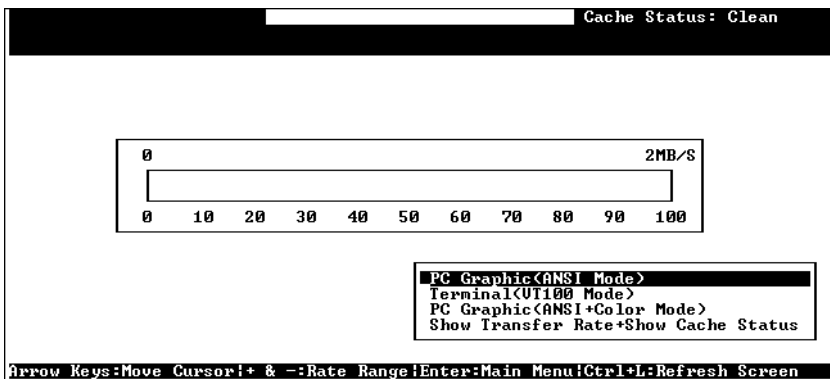
**5.2 RS-232 Terminal Interface**

**The keys used when operating via the terminal are as follows:**

- < fi > fl To select options.
- [Enter] To go to a submenu or to execute a selected option.
- [Esc] To escape and go back to the previous menu.
- [Ctrl] [L] The controller will refresh the screen information.

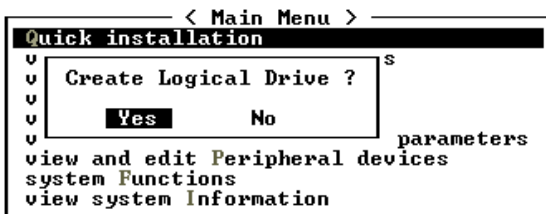


**IMPORTANT:**  
*If the RS-232 cable is connected while the controller is powered on, press [Ctrl] [L] to refresh the screen information.*

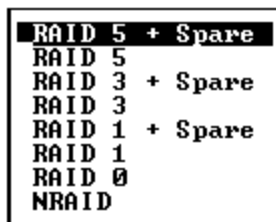


The initial screen appears when the controller is powered-on. Use › fl arrow keys to select the desired terminal emulation mode, then press **[ENTER]** to enter the Main Menu.

Type **Q** or use the › fl keys to select “Quick installation”, then press **[Enter]**. Choose **Yes** to create a logical drive.



All possible RAID levels will be displayed. Use the › fl keys to select a RAID level, then press **[Enter]**. The assigned spare drive will be a Local Spare Drive, not a Global Spare Drive.



The controller will start initialization and automatically map the logical drive to LUN 0 of the first host channel.

