# UltraTrak COM Port
# Configuration Software

The UltraTrak Configuration Software creates a Console for managing your UltraTrak array. The Console is an alternative to managing your UltraTrak array using the two-line LCD readout on the enclosure. The Console uses any terminal emulation program, such as Windows HyperTerminal, on your PC to interact with the UltraTrak. Change your PC's Port settings to agree with the following:

- Bits per second: 115200
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow control: none

The UltraTrak Console is ready as soon as your terminal emulator connection is established. However, nothing shows in the terminal emulator window until you type a command.

## *Password*

Most commands require you to enter your password when you first make your connection. The default password is **0000** (four zeros). To input your password:

1. Type the letters **pw**.
2. Press the spacebar once.
3. Type your password and press Enter.

If your password was correct, UltraTrak responds with **Correct Password!**. You may then use any of the functions.

To see a list of functions, type **help** or **?** (question mark). Note that none of the commands are case-sensitive.

## *Listing Functions*

The following commands cause UltraTrak to report specific information. They do not require you to enter a password, so you may skip that step if information gathering is all you want to do. Type the command, then press the Enter key.

| To obtain information about: | Type this command: |
|---|---|
| Arrays, listed by ID number | **la** |
| Firmware version | **ls** |
| Events | **lv** |
| Hard Drives | **ld** |
| RAID Controller | **lc** |
| RAID Enclosure | **le** |

## *Tasking Functions*

The following commands cause UltraTrak to perform specific tasks. They require you to enter your password first. They also require you to type in options or additional parameters. Type the command alone to see a prompt listing the items you must specify.

For example, to create an array, you must also type in an array name, RAID level, number of disks in the array, the identification numbers of the individual disks you want in the array and the stripe block size in kilobytes.

To illustrate, if you type: **ca arry0 5 3 2 3 4 64**, UltraTrak will create a new array named **arry0**, it will be RAID 5 with three drives: drive numbers 2, 3 and 4; with a block size of 64 KB.

Note that commands such as create an array may take well over an hour to complete, depending on the size of the array. In most cases, you can perform a second task while waiting for the first. Type the command and options, then press the Enter key.

**To do this task:**                     **Type this command:**

Create an array..........................................ca

Delete an array ......................................... da

Synchronize an array...............................sa

Rebuild an array ........................................ra

Stop rebuilding an array...........................sb

Add disks to an existing array ............... ea

Stop disk adding process.........................sc

Enable/disable SMART checking ...........es

Set buffer to write through or write backsw

Get cache statistics ..................................gs

Enable/disable array initialization ..........ei

Clear events .............................................ec

Enable/disable the warning beep........... eb

Enable/disable gigabyte boundary ........ eg

Set rebuild priority low or high................ ep

Enable/disable the disk write cache ...... ed

Wipe a disk...................................... WipeoutDisk

Set a new password......................NewPassword

Exit the Console software .....................Quit

Refer to the UltraTrak User Manual for a more detailed explanation of these functions.

## Disconnecting
Be sure to close your terminal emulation program after you exit the Console software. If possible, save the connection parameters for future use.