Quick install Guide for UltraTrak100 TX4/TX8

1. Take the unit out of the box. In the box you will see the following components:

     I.   One SCSI ultra wide SCSI cable
     II.   Terminator
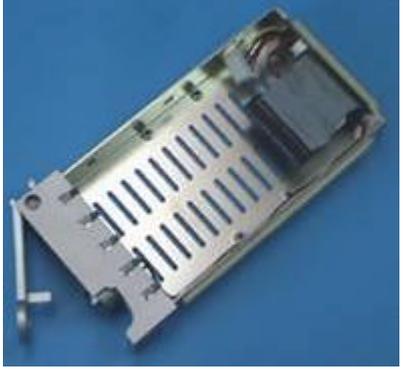   III.   Power Cable
     IV.   Manual
     V.   Keys

2. Connecting your UltraTrak configuration.

Connect the SCSI cable and proper termination of the SCSI ports (as required) on the UltraTrak unit.

Use Ultra2 LVD SCSI or Ultra 3 compatible SCSI controller.

	· Make certain if your UltraTrak is the last Device on your SCSI chain that you use proper termination. · If your UltraTrak is the last device make certain that you terminate the **lower SCSI OUT port.** · Please see picture from proper termination example.
	· Next you will need to connect your SCSI cable to your UltraTrak unit. · In this particular example the UltraTrak is terminated (being the last device in the chain). · The SCSI cable is plugged into the **upper SCSI IN port.**
	· Make certain to select the correct voltage setting for your area and then plug in your power chord.

3. Installing the drives in the Enclosures & UltraTrak

	· Remove the enclosures from the UltraTrak100 Unit by opening the key to the open position.
	· Insert the drives in each Enclosure so that each drive is mounted properly, · on the bottom of the enclosure you will find four screws that will help secure the drive to the enclosure. · Before screwing the drive in place make sure that the drive is connected properly.
	· Insert the drive enclosure in the bay (NOTE: be careful when inserting your bay into the UltraTrak unit).
	· Securely close the lever and make certain to **engage the keylock to turn your drive on** and set it as active.

AUTOMATIC RAID 5 Congiuration: Boot the UltraTrak100. After booting the UltraTrak will display a screen "No array is defined". Press the select key, the screen will display "Auto Array Setup". Press the Select key. The screen will display "*RAID Level" Press Select. Scroll down to "*Raid 5", press Select. You will see the message "Press SEL to create Press Exit to cancel" press SEL "Array has been created Please Restart UltraTrak." follow the displayed message. After restarting the UltraTrak100 you notice that LCD screen displays the following message "Array Functional" or if you prefer to configure the array manually please read the following page.

Setting up a Raid 5 configuration: (Manual Configuration)

I. **Hard Drive Requirements**
   a. minimum of 3 drives required for a Raid 5 configuration.
   b. All drives connected must be set to a Master or Single jumper position..
   c. The UltraTrak100 TX4 uses up to four IDE drives.
   d. The UltraTrak 100TX8 uses up to eight IDE drives.

II. **Configuring a Raid 5 with your UltraTrak LCD screen**
   a. Power on the UltraTrak100 .
   b. When the UltraTrak100 has completed booting, you will see a screen that says "**No array is defined**".
   c. Press the select key.
   d. After pressing the select key you will scroll down (using the arrows) to the **Configure Array** option, once at this option you will **press the select key.**
   e. After pressing the select key you will notice a new menu.
   f. You will **scroll down** to the **View Drive Assignments** option and **press on the select button.**
   g. Once in the View Drive Assignments you will verify that all the drives inserted in the enclosures are being identified and recognized.   Note: *if a drive is not identified you must go back and make sure that the drive in question is jumpered and connected correctly.*
   h. After pressing the button you will find your self in a different menu, It will display a screen **"*RAID Level**" you will then **press the Select button .**
   i. In the new screen you will **scroll down** to the bottom will you will select the ***Raid5.**
   j. After selecting **Raid 5** a message will display the following: "Press SEL to create, Press Exit to cancel" You will **press SEL.**
   k. After pressing SEL the following message will be displayed **"Array has been created Please Restart UltraTrak".**
   l. follow the displayed message.
   m. After restarting the UltraTrak100 your array should boot and the LCD screen will display the following message "**Array Functional**".

4. Preparing the new created Array
   a. Boot into your choice of OS with your UltraTrak connected to a Ultra2   SCSI LVD or Ultra 3 Host adapter.
   b. At the command prompt you must execute FDISK and FORMAT commands to prepare the drive.
   c. NOTE: Be aware of OS / DOS limitations that apply.
   d. Once the array has been prepared it will boot and access be done with your Ultra2 SCSI / SCSI 3 supported Operating System.