

ASTi Telestra Cold Start Procedure

Overview

The cold start procedure described in this document allows users to build Telestra systems from scratch. There are two main reasons for using the cold start procedure:

1. Rebuilding a damaged hard disk
2. Creating spare hard disks

Requirements

For systems *with* a built-in CD-ROM drive, use the procedure outlined on pages 2-3. You will need the following items:

- ASTi Linux CD
- ASTi Telestra CD

For systems *without* a built-in CD-ROM drive, use the procedure outlined on page 4. You will need the following items:

- ASTi Kickstart Diskette
- ASTi Linux CD
- ASTi Telestra CD
- USB CD-ROM kit:
 - USB CD-ROM drive & power cable
 - USB connection cable

Cold Start Procedure: Built-In CD-ROM Drive

WARNING: *This will COMPLETELY ERASE the contents of your hard drive.*

Before beginning, make sure you have a hard drive properly inserted into the system, along with a connected monitor and keyboard.

Configuring the BIOS

The following instructions apply to the 1U Telestra chassis with built-in CD-ROM drive and BIOS version CA81020A.86A.0006.P03.

1. Immediately after system power-on or reboot, press the F2 key to enter BIOS setup.
2. From the main screen, verify BIOS version matches that listed above.
3. Press the F9 key to load BIOS defaults, followed by the ENTER key to confirm the action.
4. Use the right-arrow key to move the cursor over the “Boot” menu at the top of the screen; in the main window, boot settings will be displayed.
5. “Quiet Boot” will already be highlighted. Press ENTER to access this setting, use the up-arrow key to highlight “Disabled”, then press ENTER to change the setting.
6. Use the down-arrow key to highlight “2nd Boot Device”. Press ENTER to access this setting, use the down-arrow key to highlight “ATAPI CDROM”, and press ENTER to change the setting.
7. Use the down-arrow key to highlight “3rd Boot Device”. Press ENTER to access this setting, use the up-arrow key to highlight “IDE-HDD”, and press ENTER to change the setting.
8. Press the F10 key to save the settings and exit the utility; press ENTER to confirm the action. The system will then reboot using the new BIOS settings. Proceed with software installation.

Installing Linux

1. Turn on the Telestra system via the power switch on the front of the chassis.

The system may or may not fully boot, and you may receive an error message.

2. Insert the CD labeled “ASTi Linux CD” into the CD-ROM drive.
3. Reboot the system using the “Reset” button on the front of the chassis.
4. The system will boot from the CD, and Linux will begin to install. You will see a dialog box showing the progress of the installation.

If you see a message indicating a Bad Partition Table, select the “Initialize” option to continue with the Linux installation.

5. A message will then be displayed indicating the install has finished.

If you want to install ASTi software, skip to the next section: “Installing ASTi Software”.

- OR -

6. Press ENTER to reboot the system.
7. Remove the “ASTi Linux CD” after it ejects. The system will then reboot.

Installing ASTi Software

1. If you have just finished installing Linux, remove the “ASTi Linux CD”.
2. Insert the CD labeled “ASTi Software CD”.
3. Reboot the system by pressing CTRL + ALT + DEL keys.
4. At the “LILO:” prompt, type “asti” and press ENTER.

If you miss the “LILO:” prompt, you will need to reboot the system again.

5. ASTi software installation will proceed. After a while, a message will display indicating the installation has completed.
6. Remove the “ASTi Software CD”; then press ENTER to reboot.

Cold Start Procedure: USB CD-ROM Drive

WARNING: *This will COMPLETELY ERASE the contents of your hard drive.*

Before beginning, make sure you have a hard drive properly inserted into the system, along with a connected monitor and keyboard.

Installing Linux

1. Connect the USB CD-ROM and power cable to power source. Then, connect the USB CD-ROM drive to the Telestra system using the USB connector cable. The USB port is on the front of the Telestra chassis.
2. Insert the floppy disk labeled “ASTi Kickstart Diskette”.
3. Turn on the Telestra system via the power switch on the front of the chassis. The system will boot from the floppy.
4. Insert the CD labeled “ASTi Linux CD”.
5. Linux will begin to install, and you will see a dialog box showing the progress of the installation.

If you see a message indicating a Bad Partition Table, select the “Initialize” option to continue with the Linux installation.

6. A message will then be displayed indicating the install has finished.

If you want to install ASTi software, skip to step 2 of the next section: “Installing ASTi Software”.

- OR -

7. Remove the “ASTi Kickstart Diskette”.
8. Press ENTER to reboot the system.
9. Remove the “ASTi Linux CD” after it ejects.

Installing ASTi Software

1. Connect the USB CD-ROM drive as in step 1 of “Installing Linux” above.
2. Power on the system (or, if you have just finished installing Linux, remove the “ASTi Kickstart Diskette” and press ENTER to reboot, then remove the “ASTi Linux CD” after it ejects.).
3. Insert the CD labeled “ASTi Software CD”.
4. At the “LILO:” prompt, type “asti” and press ENTER. If you miss the “LILO:” prompt, you will need to reboot by pressing the CTRL + ALT + DEL keys.
5. ASTi software installation will proceed. After a while, a message will display indicating the installation has completed.
6. Remove the “ASTi Software CD”, disconnect the CD-ROM drive, and press ENTER to reboot the system.

