



Renaming/Moving Parameter Files

Part number: [EAN-RenamingParamFile.docx](#)

Published: October 13, 2016

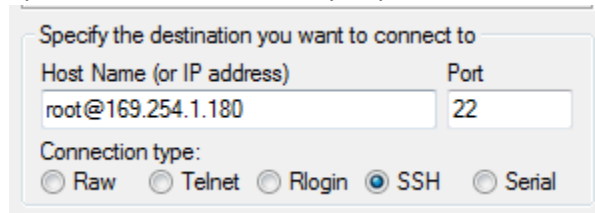
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NOTES:

- The following instructions were written for the SLA-1500, but also apply to the SLA-3000. As needed, additional steps for the SLA-3000 will be specified.
- When logging into the SLA-HARDWARE the default username and password are “root”.
- The same procedure can be done using SSH instead of the serial port. This assumes the SLA-HARDWARE is on the network and you know the IP address of the unit. You can test this by using PING tools to query the SLA-HARDWARE. If you plan to use SSH first, jump to STEP 8.



Specify the destination you want to connect to

Host Name (or IP address)	Port
root@169.254.1.180	22

Connection type:

Raw Telnet Rlogin SSH Serial

Figure 1: Example using SSH to connect to SLA-HARDWARE.

PROBLEM:

My SLA-1500-OEM seems to have power, but I don't see any video and I can't connect to it either over the network or the serial port.

Background:

It is likely that some combination of setting is causing the system to not complete its boot cycle. The solution will be to interrupt the boot cycle using the serial port, rename or move the suspect parameter file to a temporary file, then reboot the hardware.

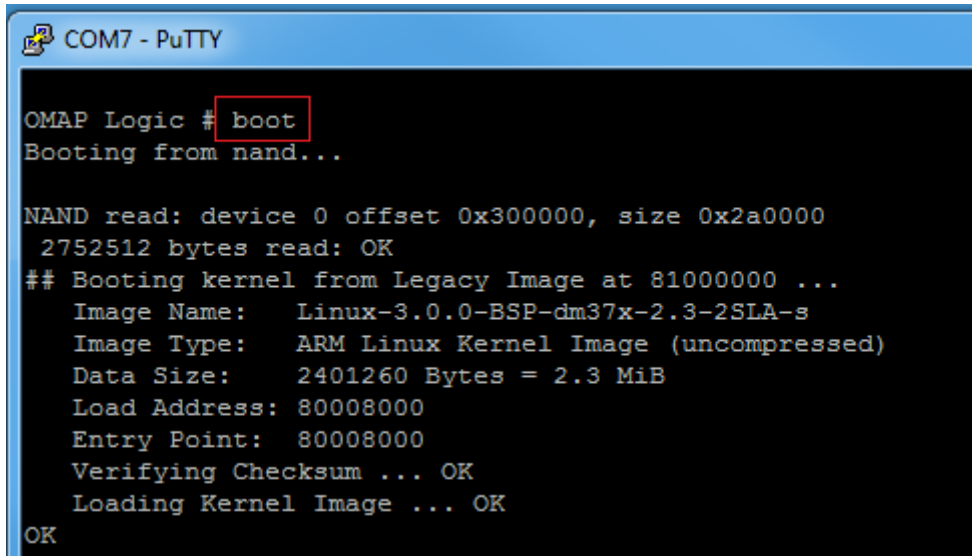
WARNING:

- This procedure assumes that at one point you had analog video in and out, network and serial communication working. It also assumes that all the cables are connected properly. If these assumptions are not correct, please **STOP** and contact support@sightlineapplications.com for further assistance.
- This procedure assumes that you have a SLx-1500-OEM and the SLA-1500-AB (or similar), if these assumptions are not correct, please **STOP** and contact support@sightlineapplications.com for further assistance.
- The SLA-1500-AB board uses a DB-9 connector for RS-232C communication for use with a PC. Only 3 pins are used (Pins 2, 3, 5). If you have serial port that does not support the RS-232C voltage levels, please **STOP** and contact support@sightlineapplications.com for further assistance.
- If you cannot complete any of the steps below, please **STOP** and contact support@sightlineapplications.com for further assistance.

PROCEDURE:

1. Power off the SLA-1500-OEM
2. Connect the SLA-1500-AB board serial port to your PC

- **NOTE: Often a NULL-MODEM cable or adapter may be required**
- 3. On the PC, run a terminal emulator / console such as [PuTTY](#) or [TeraTerm](#) (or similar)
 - NOTE: The proper BAUD RATE for debugging is **115200**.
- 4. Apply power to the SLA-1500
- 5. While in the terminal window, on the keyboard hold the SHIFT key down and repeatedly hit the S key (SHIFT+S)
 - This should disrupt the boot process on the SLA-1500
- 6. In the terminal window, you will see a command prompt
- 7. Type “boot”

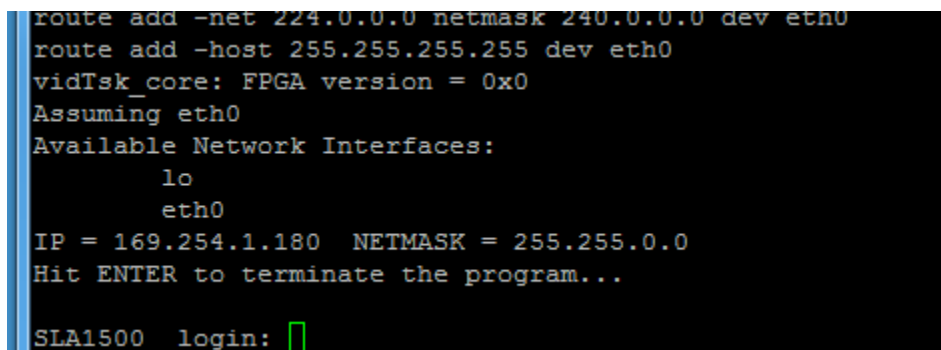


```

COM7 - PuTTY
OMAP Logic # boot
Booting from nand...

NAND read: device 0 offset 0x300000, size 0x2a0000
2752512 bytes read: OK
## Booting kernel from Legacy Image at 81000000 ...
Image Name:   Linux-3.0.0-BSP-dm37x-2.3-2SLA-s
Image Type:   ARM Linux Kernel Image (uncompressed)
Data Size:    2401260 Bytes = 2.3 MiB
Load Address: 80008000
Entry Point:  80008000
Verifying Checksum ... OK
Loading Kernel Image ... OK
OK
  
```

- 8. Eventually you will see some more text (it varies based on error), hit the ENTER key to stop the VideoTrack1500
- 9. You should now see the “SLA_1500_login:” prompt:
 - Login = root
 - Password = root
 - NOTE: sometimes requires login & password to be entered twice.



```

route add -net 224.0.0.0 netmask 240.0.0.0 dev eth0
route add -host 255.255.255.255 dev eth0
vidTsk_core: FPGA version = 0x0
Assuming eth0
Available Network Interfaces:
    lo
    eth0
IP = 169.254.1.180 NETMASK = 255.255.0.0
Hit ENTER to terminate the program...

SLA1500_login: █
  
```

- 10. You should now be at a Linux command prompt
- 11. Type “ls” to list all the files – verify that the **param51ac9a4a.txt** is there
- 12. **SLA-3000 type: mount -w -o remount /**
- 13. Type “mv param51ac9a4a.txt param51ac9a4a.backup”

14. SLA-3000 type: **mount -r -o remount /**
15. SLA-3000 type: **sync**
16. Type "reboot"

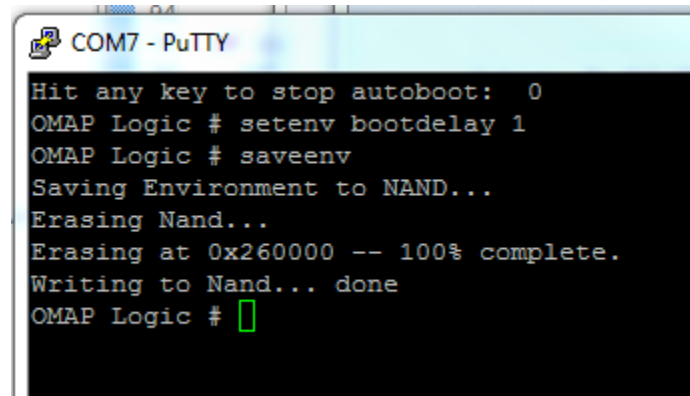
At this point your SLA-1500 should begin the reboot cycle and start in "factory default" mode.

When the system reboots, if you still do not have Analog Video In/Out or Network connectivity please **STOP** and contact support@sightlineapplications.com for further assistance.

Other things to do while in u-boot (SLA-1500 ONLY):

At the OMAP Logic # prompt (after SHIFT+S step above)

setenv bootdelay 1	# sets a delay in seconds before Linux kernel loads # setting to zero make SHIFT+S Impossible
saveenv	# saves u-boot args to NAND flash
setenv silent 1	# disable console window output
setenv bootargs "run nfsboot"	# boot from an NFS server rather than NAND # requires additional parameters to be set
setenv bootargs "run nandboot"	# boot from NAND rather than NFS Server
boot	# load and execute the Linux kernel
printenv	# shows all the u-boot args



```

COM7 - PuTTY
Hit any key to stop autoboot: 0
OMAP Logic # setenv bootdelay 1
OMAP Logic # saveenv
Saving Environment to NAND...
Erasing Nand...
Erasing at 0x260000 -- 100% complete.
Writing to Nand... done
OMAP Logic # 

```

Figure 2: Changing the Boot Delay in U-Boot

NOTE: Use with CAUTION! In the event system becomes inoperable, you can recover by creating a bootable MICROSD card. See the support section of the SightLine web site for more information.

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