



## Technical Service Bulletin

**To: Allied Service & Help Desk Personnel**

**From: Allied Electronics, Inc.**

**Date: May 25, 2021**

**Re: NeXGen Prime Cold Start via USB**

### Introduction:

In order to cold start NeXGen Prime you have a few options; the normal route would be to connect using DGS and cold start the device. However, if it's not possible to use the DGS utility, you can cold start NeXGen Prime with a USB Drive and the embedded UEFI Shell environment.

### Note:

This process should be used only if it's not possible to cold start NeXGen Prime via DGS.

This process requires a monitor and keyboard to be connected to the NexGen Prime unit.

USB 2.0 and 3.0 drives are supported.

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Preparation:

The file **startup.nsh**, supplied by Allied Electronics, needs to be copied to the root folder of the USB Drive as is. Any other external data should be deleted from the USB.

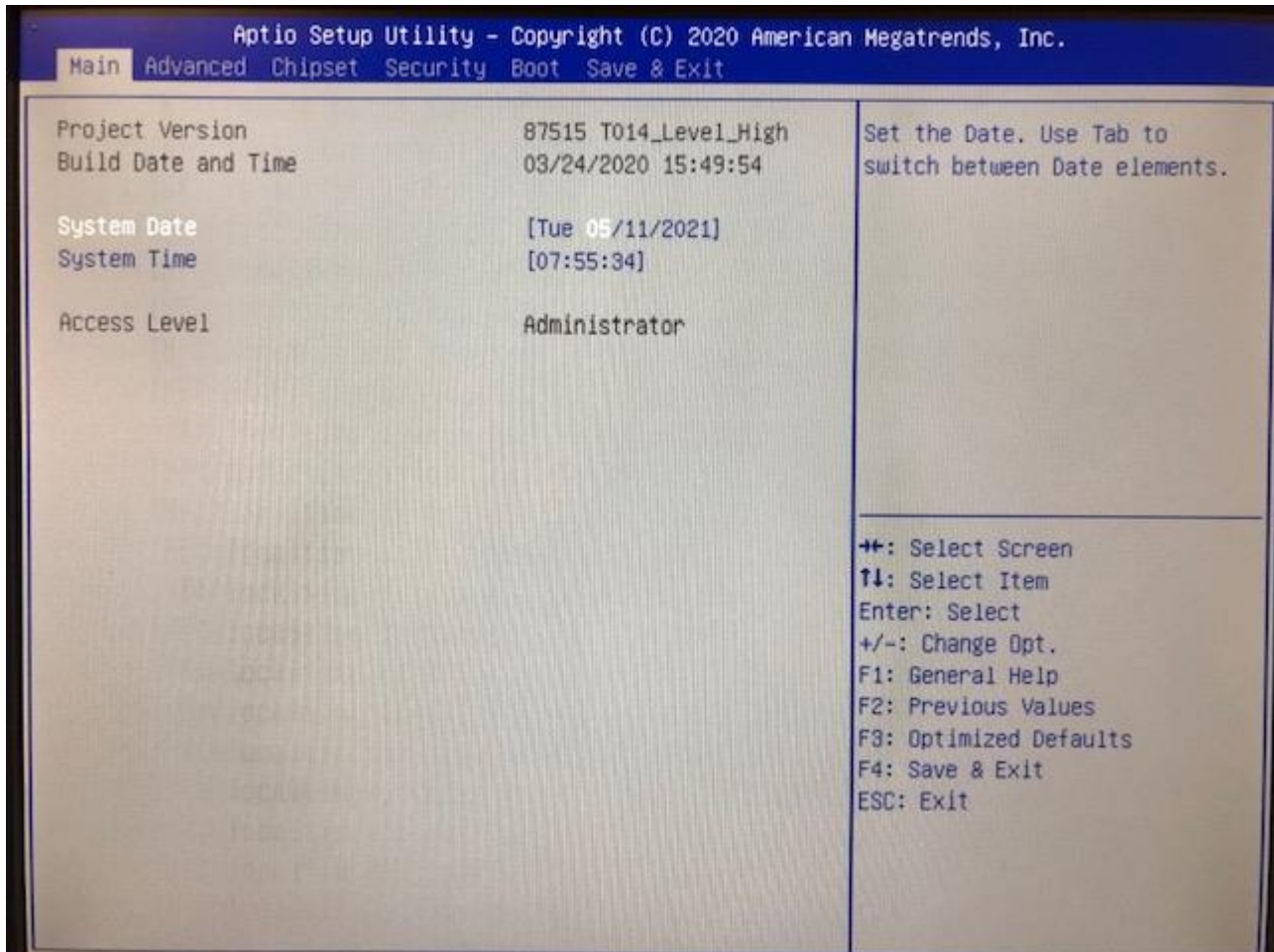
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Process:

1. Turn off the NeXGen Prime device. Connect a monitor and keyboard. Insert the USB Drive with the copied file into the available USB port.
2. Turn on the device while holding the Esc key on your keyboard. The monitor will show the Main tab of the "Aptio Setup Utility".

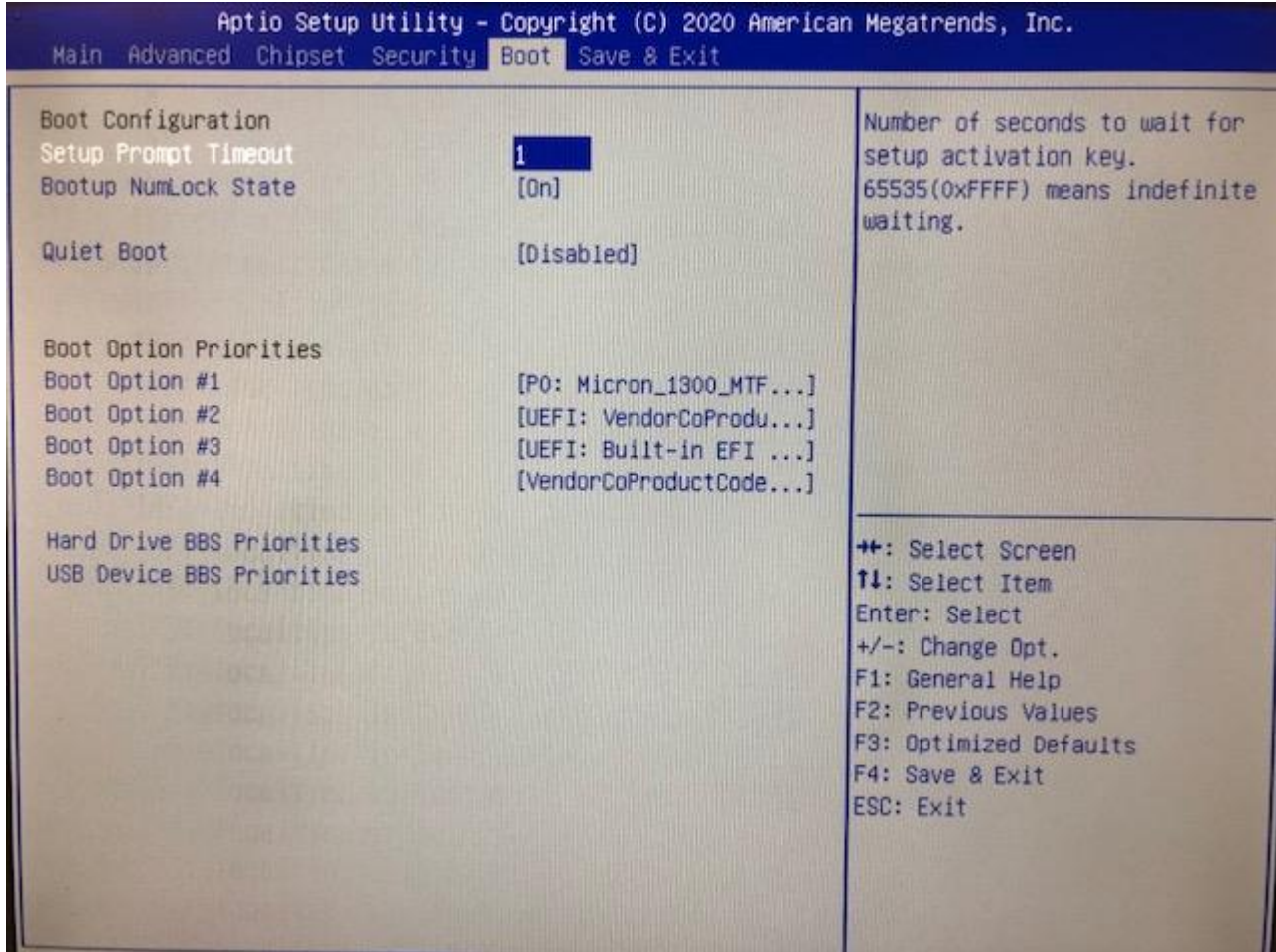


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3. Use the Right Arrow key to navigate to the Boot tab.

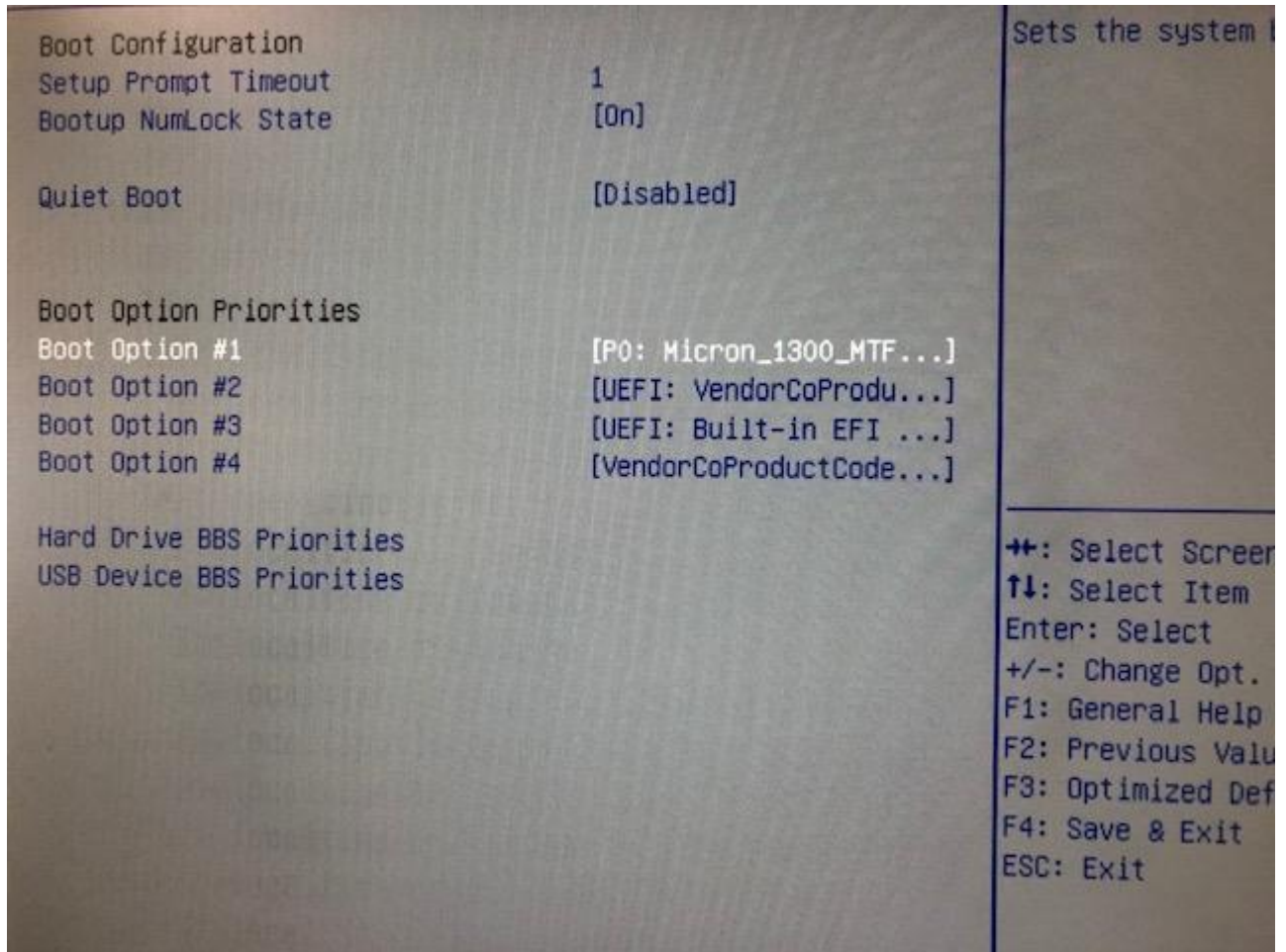


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4. Use the Down Arrow key to navigate to the Boot Option #1.

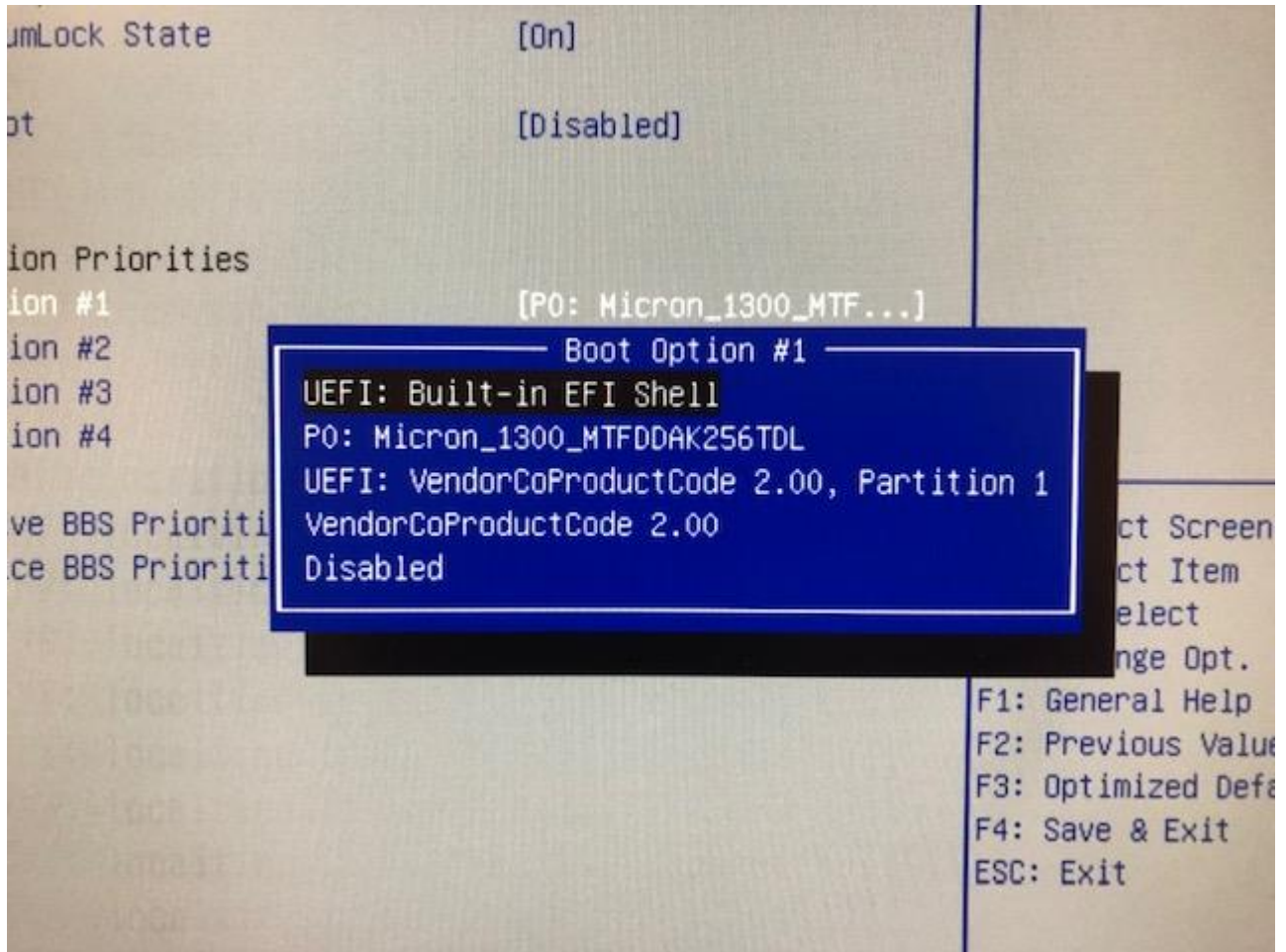


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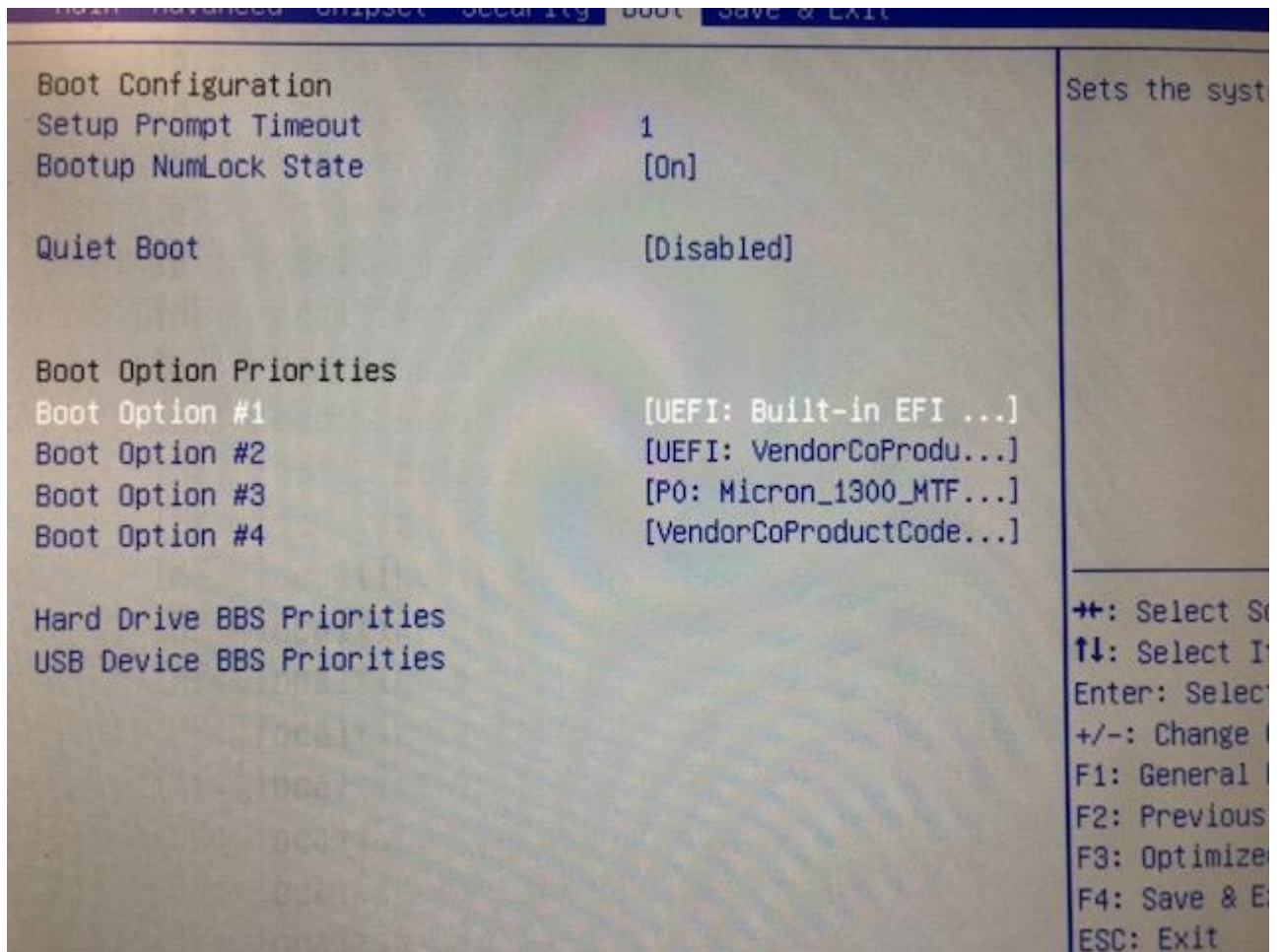
5. Press Enter. Select "UEFI: Built-in EFI Shell" option and press Enter once again.



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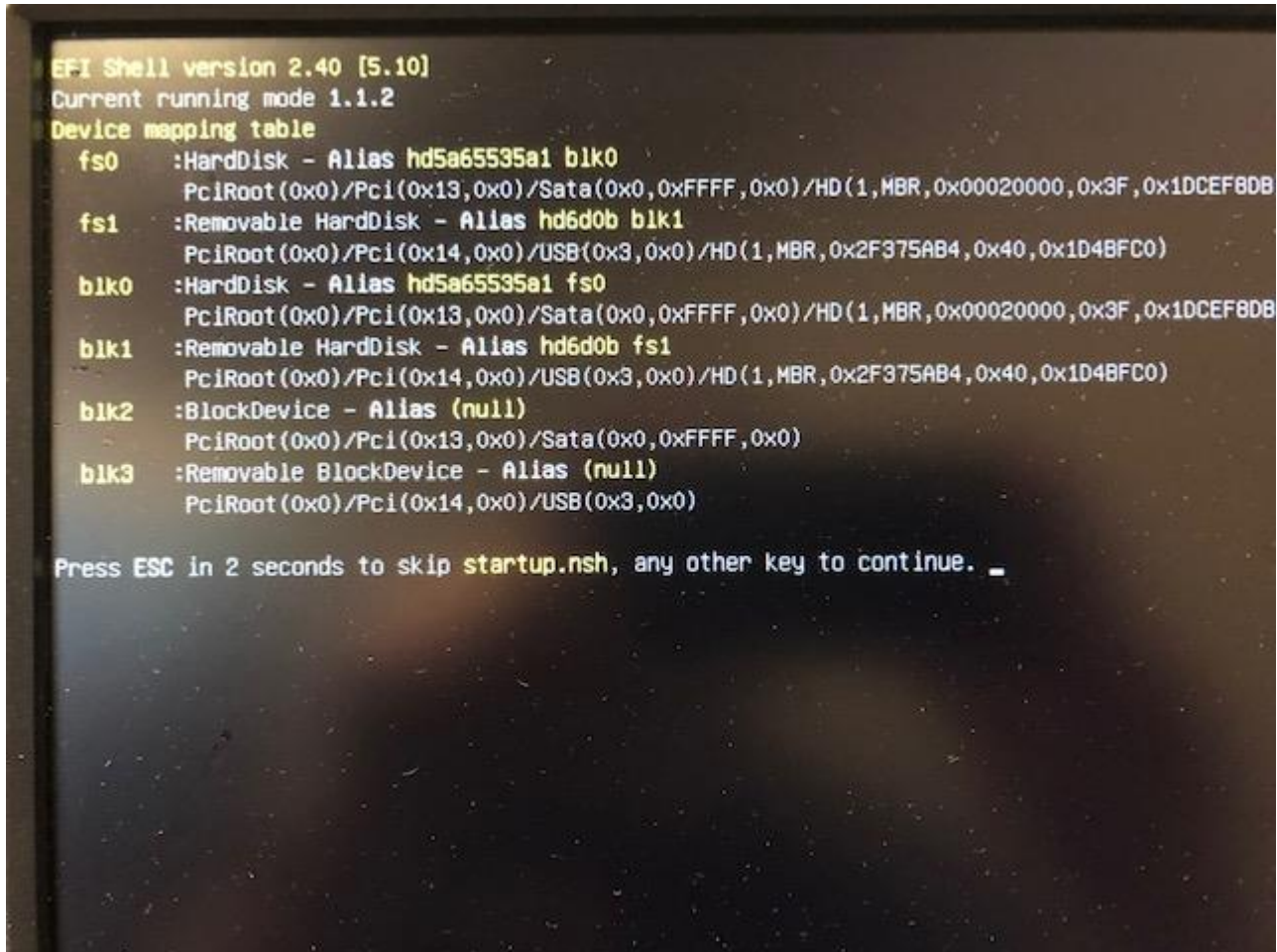
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6. Press the F4 key and press "Yes" to confirm.

7. You will be navigated to the EFI Shell prompt. You can press any key other than ESC or just wait when the script will be started automatically.



```
EFI Shell version 2.40 [5.10]
Current running mode 1.1.2
Device mapping table
fs0 :HardDisk - Alias hd5a65535a1 blk0
      PciRoot(0x0)/Pci(0x13,0x0)/Sata(0x0,0xFFFF,0x0)/HD(1,MBR,0x00020000,0x3F,0x1DCEF8DB)
fs1 :Removable HardDisk - Alias hd6d0b blk1
      PciRoot(0x0)/Pci(0x14,0x0)/USB(0x3,0x0)/HD(1,MBR,0x2F375AB4,0x40,0x1D48FC0)
blk0 :HardDisk - Alias hd5a65535a1 fs0
      PciRoot(0x0)/Pci(0x13,0x0)/Sata(0x0,0xFFFF,0x0)/HD(1,MBR,0x00020000,0x3F,0x1DCEF8DB)
blk1 :Removable HardDisk - Alias hd6d0b fs1
      PciRoot(0x0)/Pci(0x14,0x0)/USB(0x3,0x0)/HD(1,MBR,0x2F375AB4,0x40,0x1D48FC0)
blk2 :BlockDevice - Alias (null)
      PciRoot(0x0)/Pci(0x13,0x0)/Sata(0x0,0xFFFF,0x0)
blk3 :Removable BlockDevice - Alias (null)
      PciRoot(0x0)/Pci(0x14,0x0)/USB(0x3,0x0)

Press ESC in 2 seconds to skip startup.nsh, any other key to continue. _
```

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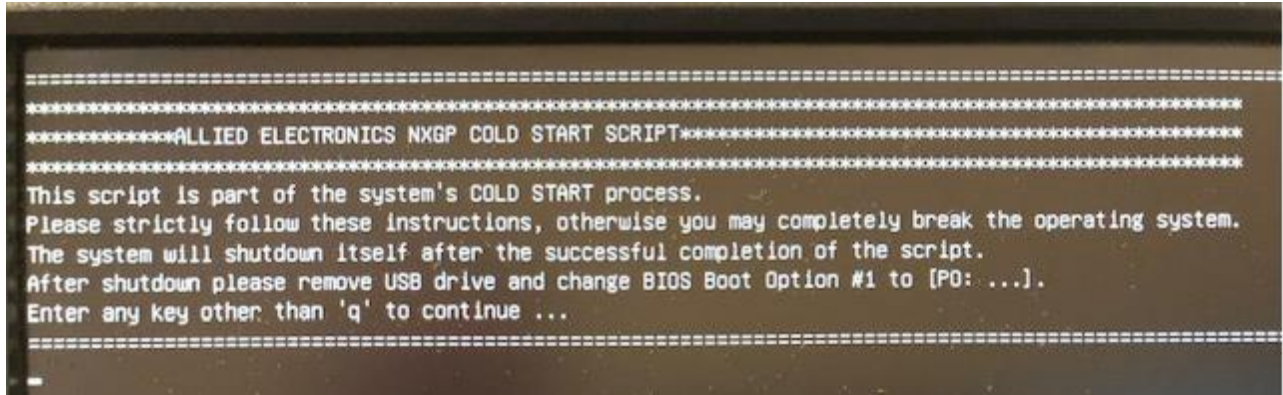
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8. Please read and follow the instructions on the script prompt screen.

Enter any key other than 'q'. The system will shut down itself after the successful completion of the script.

If any error occurs you may need to turn off the system manually, but first contact Allied support and provide the error description from the screen.



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9. After the system automatically shuts down (from the first step), remove the USB drive from the NeXGen Prime.
10. Turn on the device while holding the Esc key on your keyboard. The monitor will show the Main tab of "Aptio Setup Utility".
11. Use the Right Arrow key to navigate to the Boot tab.
12. Use the Down Arrow key to navigate to the Boot Option #1.
13. Press Enter. Select the "PO: ..." option and press Enter once again.
14. Press the F4 key and press "Yes" to confirm.
15. From this step, the system will boot into normal operation mode and automatically Cold Start.

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