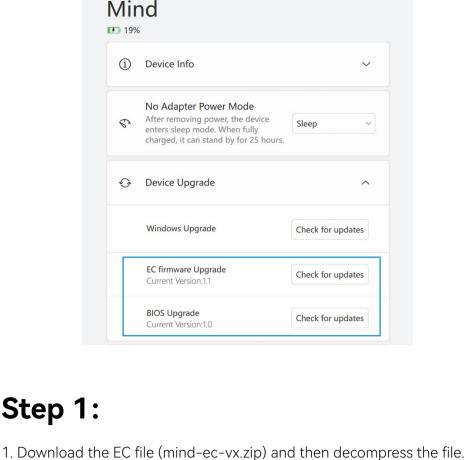
How to Update EC from USB Drive

firmware, which requires certain computer skills. Alternatively, for a simpler solution, visit the Khadas official website (khadas.com/mind/support) to

download the most recent version of the Mind App, and then use the app to update the BIOS and EC firmware with several clicks. Mind



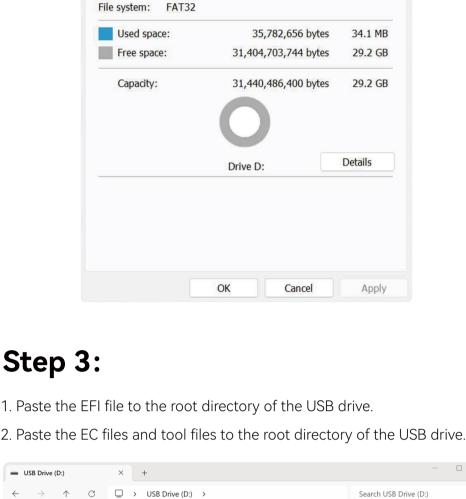
Step 2:

1. Prepare a USB drive with at least 8GB of space and format it to FAT32. Note: Right-click on the USB drive and select "Properties" to view the

format information if you're unsure.

USB Drive (D:) Properties

General Tools Hardware Sharing Customize Type: **USB** Drive



Gallery

A Home

Desktop ↓ Downloads
* Name

mind-bios-v1.0-230915.bin

■ Documents #

igoplus New ${}^{\vee}$ $\begin{picture}(20,0) \put(0,0){\line(1,0){13}} \put(0,$

Music Videos

Date modified

12/8/2023 10:47 AM

4/18/2023 12:16 PM 9/16/2023 12:25 PM

9/15/2023 1:10 PM

Type

NSH File BIN File

Q

Details

Size

32,768 KB

> This PC USB Drive (D:) Network Step 4: 1. Restart your computer and press F7. Select the USB drive in the boot menu and press Enter key to boot the system from USB drive. Please select boot device:

UEFI: PXE IPv4 Realtek USB Ethernet Controller UEFI: PXE IPv6 Realtek USB Ethernet Controller Windows Boot Manager (WD PC SN740 SDDPTQD—1T00) UEFI: aigo U350 2.00, Partition 1 (aigo U350 2.00) Enter Setup

> ↑ and ↓ to move selection ENTER to select boot device ESC to boot using defaults

Step 5:

Enter key.

try "fs1:", "fs2:", and so on until you find the command that accesses your USB drive.

different commands to locate your USB drive. You can start with "fs0:", then

1. After entering the shell menu, input the command "fs3:" and press the

Note: Depending on your system configuration, you may need to try

:HardDisk — **Alias (null)** PciRoot(0x0)/Pci(0x6,0x2)/Pci(0x0,0x0)/NVMe(0x1,80–C4–98–4E–8B–44–1B– PT,9427E954–8825–4A7F–8E8A–0C7603DE6A12,0x64800,0x8000) 00)/HD(2,GF **blk4** : 00)/HDC2,GF1,942/E394-863-441/ GESH VOIGNEED BY VOIGNE 00) b1k6 :Removable BlockDevice - Alias (null)
PciRoot(0x0)/Pci(0x14,0x0)/USB(0xD,0x0)
:Removable BlockDevice - Alias (null)
PciRoot(0x0)/Pci(0x14,0x0)/USB(0xF,0x0)/USB(0x2,0x0)
:Removable BlockDevice - Alias (null)
PciRoot(0x0)/Pci(0x14,0x0)/USB(0xF,0x0)/USB(0x2,0x0)/Unit(0x1) Press ESC in 3 seconds to skip startup.nsh, any other key to continue. Shell> fs2:__

1. Input the command "dir" and press the Enter key. The EC files and the

PCIROOT(UX0)/PCI(UX14,0X0)/USB(UXD,0X0)
:Removable BlockDevice - Alias (null)
PCiRoot(0X0)/Pci(0X14,0X0)/USB(0XF,0X0)/USB(0X2,0X0)
:Removable BlockDevice - Alias (null)
PciRoot(0X0)/Pci(0X14,0X0)/USB(0XF,0X0)/USB(0X2,0X0)/Unit(0X1)

execution tool will be displayed on the screen.

:BlockDevice - **Alias (null)** PciRoot(0x0)/Pci(0x6,0x2)/Pci(0x0,0x0)/NVMe(0x1,80-C4-98-4E-8B-44-1Bb1k5 00) b1k6 :Removable BlockDevice – **Alias (null)** PciRoot(0x0)/Pci(0x14,0x0)/USB(0xD,0

Step 7:

EC update process.

b1k5 00) **b1k6**

b1k7

fs2:\> dir Directory of: fs2:\

Step 6:

12/08/23 10:47a <DIR>
09/18/23 04:48p
10/23/22 05:34p
09/18/23 11:32a
3 File(s) 2
1 Dir(s) 36 106,336 131,072 bytes mind-ec-v1.00-230918.bin 237,444 b

1. Input the command "fe.nsh" and press the Enter key. This will initiate the

– Alias (null)

Press **ESC** in 3 seconds to skip **startup.nsh**, any other key to continue. Shell> fs2:

:Removable BlockDevice - Hilas (NuII)
PcIRoot(0x0)/Pci(0x14,0x0)/USB(0x0,0x0)
:Removable BlockDevice - Alias (nuII)
PcIRoot(0x0)/Pci(0x14,0x0)/USB(0xF,0x0)/USB(0x2,0x0)
:Removable BlockDevice - Alias (nuII)
PciRoot(0x0)/Pci(0x14,0x0)/USB(0xF,0x0)/USB(0x2,0x0)/Unit(0x1)

:BlockDevice – **Alias (null)** PciRoot(0x0)/Pci(0x6,0x2)/Pci(0x0,0x0)/NVMe(0x1,80–C4–98–4E–8B–44–1B–

Press ESC in 3 seconds to skip startup.nsh, any other key to continue. Shell> fs2:

```
fs2:\> dir
Directory of: fs2:\
                                         16,384 EFI
36 fe.nsh
106,336 ifu.efi
191,072 mind-ec-v1.00-230918.bin
           10/23/22 05:34p
09/18/23 11:32a
3 File(s)
1 Dir(s)
                               131,072
237,444 bytes
Step 8:
1. The update process will take approximately 5 minutes. Do not turn off
the computer during the update.
2. There won't be any specific notification indicating a successful update.
Please be patient and wait.
3. Once the update is completed, the computer will automatically shut
```

Device ID : FF FF FE FF SPI Vendor : ITE A type Block Number : 1

computer.

turn on your computer.

of the EC update.

Erase Verify... : -- Verify OK.

down, and the indicator light will rapidly blink, suggesting the completion

- Step 9:
- 1. After completing the EC update, remove the power source from your

2. The EC update is now successfully completed. Reconnect the power and

The instructions below guide you through the manual upgrade of your EC