

EFCO Technology

Application Note

Document Name	AN9_Eagle Eyes_Logo upload to DDM
Applicable Products	All Eagle Eyes series
Application Note Subject	DDM logo upload
Usage Designation	<input type="checkbox"/> Internal <input checked="" type="checkbox"/> External

Preface

Revision History

Revision	Date	Author	Description
1.0	2020/11/27	J Yen	Preliminary release

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Warnings, Cautions and Notes

Warning! Warnings indicate conditions, which if not observed, can cause personal injury!



Caution! Cautions are included to help you avoid damaging hardware or losing data.



Note! Notes provide optional additional information.



Title

How to upload logo to DDM?

Answer

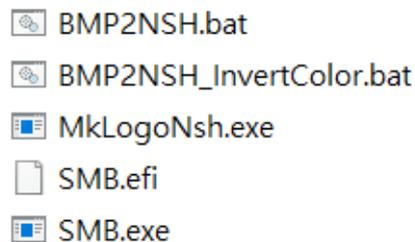
Step 1: Create a logo file. (File format: BMP)

*The native file format must be BMP and it cannot be converted from the other format.

Resolution: 128*64 pixel

Color: Monochrome (1 bpp)

Step 2: Unzip "MkLogoNsh.7z" file. "MkLogoNsh.7z" is the tool to create a file for DDM use.

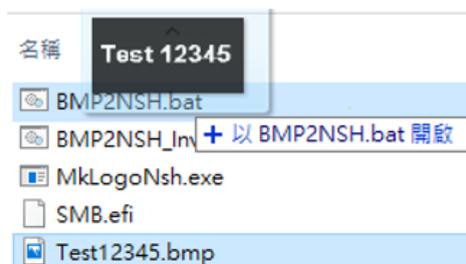


Note! Please contact your EFCO account sales to receive this logo tool.



Step 3: Drag the bmp file into BMP2NSH.bat (or BMP2NSH_InvertColor.bat), then the tool will automatically generate a file, "mklogo_xxxx.nsh". (for example, mklogo_Test12345.nsh)

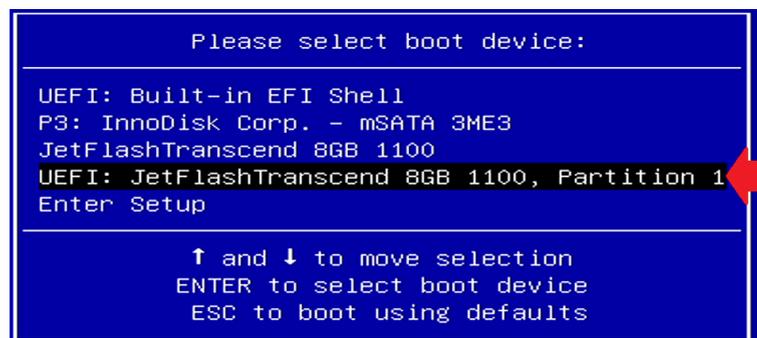
"xxxx" is original BMP file name.





Step 4: Copy mklogo_XXXX.nsh and SMB.efi to UEFI USB key.

Step 5: Boot to shell mode (pressed F7 key to select shell during system booting).



Step 6: Check the USB boot device name.

```
EFI Shell version 2.60 [5.12]
Current running mode 1.1.2
Device mapping table
fs0 :Removable HardDisk - Alias hd6s0b blk0
      PciRoot(0x0)/Pci(0x14,0x0)/USB(0x12,0x0)/H
blk0 :Removable HardDisk - Alias hd6s0b fs0
      PciRoot(0x0)/Pci(0x14,0x0)/USB(0x12,0x0)/H
blk1 :HardDisk - Alias (null)
      PciRoot(0x0)/Pci(0x17,0x0)/Sata(0x3,0xFFFF)
```

Step 7: Type the device name at shell command. (e.g. fs0:)

```
Shell> fs0:
```

Step 8: Check the path and find the file, then enter "mklogo_XXXX.nsh" to upload it into DDM. (e.g. mklogo_EFCO-BMP-1.nsh)

```

fs0:\EKit_tool> ls
Directory of: fs0:\EKit_tool

    07/30/20   03:12p <DIR>           4,096 .
    07/30/20   03:12p <DIR>             0 ..
    07/09/19   05:44p                20,480 MkLogoNsh.exe
    09/12/16   01:52p                12,352 SMB.efi
    09/15/17   04:20p                12,984 SMB.exe
    07/10/19   09:37a                 47 BMP2NSH.bat
    07/10/19   09:34a                 43 BMP2NSH_InvertColor.bat
    11/26/20   05:05p                24,714 EFCO-BMP.bmp
    11/27/20   10:35a                 1,086 EFCO-BMP-1.bmp
    11/27/20   10:35a                 0 Error.txt
    11/27/20   10:35a                 4,765 mklogo_EFCO-BMP-1.nsh
    11/27/20   10:35a                 4,765 mklogo_EFCO-BMP-1.bat
           10 File(s)          81,236 bytes
           2 Dir(s)

```

```

fs0:\EKit_tool> mklogo_EFCO-BMP-1.nsh_

```

Step 9: Wait for the process to be completed.

```

mklogo_EFCO-BMP-1.nsh> smb w 66 87 03 70 00 10 FF FF
Done! Success
mklogo_EFCO-BMP-1.nsh> smb w 66 87 03 80 00 10 FF FF
Done! Success
mklogo_EFCO-BMP-1.nsh> smb w 66 87 03 90 00 10 FF FF
Done! Success
mklogo_EFCO-BMP-1.nsh> smb w 66 87 03 A0 00 10 FF FF
Done! Success
mklogo_EFCO-BMP-1.nsh> smb w 66 87 03 B0 00 10 FF FF
Done! Success
mklogo_EFCO-BMP-1.nsh> smb w 66 87 03 C0 00 10 FF FF
Done! Success
mklogo_EFCO-BMP-1.nsh> smb w 66 87 03 D0 00 10 FF FF
Done! Success
mklogo_EFCO-BMP-1.nsh> smb w 66 87 03 E0 00 10 FF FF
Done! Success
mklogo_EFCO-BMP-1.nsh> smb w 66 87 03 F0 00 10 FF FF
Done! Success
mklogo_EFCO-BMP-1.nsh> smb w 66 87 FF
Done! Success
fs0:\EKit_tool> _

```

