

Update Guide

Version 1.1.0

Display Audio

Solution Team

NEXELL

Release information

The following changes have been made to this document.

Change History	
Date	Change
07 Dec 2017	First release for v1.0.0
14 Nov 2018	Second release for v1.1.0

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Chap 1. Information

1.1 Overview

This document describes how to update firmware image.

- Tool's name : nx_update
- Sub tools: nx_reboot, psplash, psplash-write, blkid, sfdisk
- Operation script : update.sh, mount.sh
- Operational Prerequisites : systemd service (nxupdate.service)
- Supported devices : USB storage, SDcard

Chap 2. NX update

2.1 Make disk for updates

Files needed for the update as below.

- partmap_update.txt
- update_cmd.txt
- Target images
- [bootloader.img](#)
- boot.img (option)
- rootfs.img (option)

Description of the partmap_update.txt (It is necessary to write)

```
flash=mmc,0:bootloader:boot:0x1E0200,0x100000;bootloader.img;  
flash=mmc,0:env:env:0x2E0200,0x4000;;  
flash=mmc,0:boot:ext4:0x400000,0x2000000;boot.img;  
flash=mmc,0:modules:ext4:0x2400000,0x2000000;;  
flash=mmc,0:rootfs:ext4:0x4640000,0;rootfs.img;
```

서식 있음: 글꼴 색: 빨강

If you do not want to update [bootloader.img](#), boot.img or rootfs.img, leave the name field blank.

Description of the update_cmd.txt (It is necessary to write)

```
fdisk  
erase bootloader  
flash bootloader  
erase boot  
flash boot  
erase rootfs  
flash rootfs
```

If you do not want to update [bootloader.img](#), boot.img or rootfs.img, remove erase ([bootloader.img](#) or boot or rootfs) and flash ([bootloader.img](#) or boot or rootfs) commands.

2.2 How to update

2.2.1 Step 1

Make disk_ (USB storage or SDcard) for updates

2.2.2 Step 2

Insert disk_ (USB storage or SDcard)

2.2.3 Step 3

run **nx_reboot** command_

2.3 Update disk priority

[First place is](#) USB storage, [second place is](#) SDcard.