

Realtek NAS SDK

How to Change Boot Logo



Agenda

How to enable boot logo?

Customize boot logo

How does boot logo stored in the storage device?

Free the reserved memory for boot logo

Notice



How to enable boot logo?

- Boot logo is only available for videoplayer configuration.
- Otherwise, boot logo is disabled by default.



Customize boot logo

- Supported Boot logo Format

Format	Resolution
RGBA	1920*1080

- The customized boot logo image can be placed in the "feed" folder.
- Specifying customized image file by setting the option "bootlogo_file".
- Adjusting the "bootlogo_zone" to appropriate size to prevent from exceeding the storage size reserved for boot logo.



How does boot logo stored in the storage device?

- There is only one boot logo image stored in the flash device.
- Therefore, the first and second firmware description entries both point to the same storage address.



Free the reserved memory for boot logo

- When booting the Linux kernel, there is a 9216 KiB memory area reserved for boot logo.
- We can free the reserved memory by writing device attribute in sysfs directory.
- Usage:

```
echo 1 > /sys/devices/platform/rtk-fb/freelogo
```



Notice

- Disabling "burn_bootlogo" option means that the installer will not do bootlogo burn-in, but the boot logo file still exists in the install.img.
 - Enabling boot logo display or not is controlled by the configurations in OpenWRT(nas_videoplayer.config).
 - To truly remove boot logo file from install.img, the "bootlogo_file" option should leave blank. However, using configurations to disable boot logo display is the recommended way. Manually disabling "burn_bootlogo" might lead to unexpected result.