

# Upgrade Firmware

## Download

??????????

- Download1: [https://firmware-selector.openwrt.org/?version=24.10.1&target=mediatek%2Ffilogic&id=openwrt\\_one](https://firmware-selector.openwrt.org/?version=24.10.1&target=mediatek%2Ffilogic&id=openwrt_one)
- Download2: <https://downloads.openwrt.org/releases/>

## Using LuCI GUI

- Firmware ???sysupgrade
- Upgrade: LuCI Web ? System ? Backup / Flash Firmware ? Flash new firmware image

## Using CLI

- Firmware ???sysupgrade
- sysupgrade ??????<https://openwrt.org/docs/techref/sysupgrade>

## Command

```
# example downloading the OpenWrt 15.05 upgrade image for a TP-LINK TL-WR1043ND ver. 1.x
router
cd /tmp
wget http://downloads.openwrt.org/chaos_calmer/15.05/ar71xx/generic/openwrt-15.05-ar71xx-
generic-tl-wr1043nd-v1-squashfs-sysupgrade.bin

# check the integrity of the image file via md5sums (older images)
wget http://downloads.openwrt.org/chaos_calmer/15.05/ar71xx/generic/md5sums
md5sum -c md5sums 2> /dev/null | grep OK

# check the integrity of the image file via sha256sums
wget http://downloads.openwrt.org/chaos_calmer/15.05/ar71xx/generic/sha256sums
sha256sum -c sha256sums 2> /dev/null | grep OK
```

```
# the desired result is that the downloaded firmware filename is listed with "OK" afterwards

#####

# Initiate sysupgrade with your desired options
# by default ( no -n ) settings are kept
#####

sysupgrade -v /tmp/openwrt-15.05-ar71xx-generic-tl-wr1043nd-v1-squashfs-sysupgrade.bin
```

## Using USB drive

### OpenWRT One

1. prepare a FAT32 formatted USB drive that contains the `sysupgrade.itb` file from either the SNAPSHOT or Release repositories
2. remove power
3. insert the USB stick in the Type A USB Port.
4. make sure **NAND boot** switch is selected.
5. press and hold the button on the back side labeled **Reset**
6. power up the device. Release the **Reset** button as soon as all LEDS turn off.
7. wait for the middle LED to go green.

The device will boot from NAND and the bootloader will reflash the kernel and root filesystem on the NAND.

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