

Flashing The A5-V11 Clone

First, try flashing the factory stock router using the **openwrt-a5-v11-factory.bin** image. If this works then the router will have a minimal OpenWRT firmware on it and you can use the web interface at 192.168.1.1 to go to **System→Backup/Flash Firmware** and flash to the ROOter image with **update** in its name.

If this does not work then use the following instructions.

Verification

Check if it is router we are talking about:

Use Putty to Telnet into router at 192.168.100.1 and login with default user name (admin) and password (admin).

Check MTD structure by entering :

```
cat /proc/mtd
```

You should see this as the response :

```
dev: size erasesize name
```

```
mtd0: 00400000 00010000 "ALL"
```

```
mtd1: 00030000 00010000 "Bootloader"
```

```
mtd2: 00010000 00010000 "Config"
```

```
mtd3: 00010000 00010000 "Factory"
```

```
mtd4: 003b0000 00010000 "Kernel"
```

Now you can upgrade router via USB

Prepare a USB memory stick by formatting it with the FAT filesystem, and copy **uboot256.img** and **mini_luci_web.bin** to it.

Connect USB stick to router and mount it by entering :

```
mount /dev/sda1 /mnt
```

Wait a few seconds and verify if you see the files by entering :

```
ls /mnt
```

You should see this :

```
uboot256.img mini_luci_web.bin
```

Upgrade **uboot** - be careful, do not reset router during and after this operation ! Enter the following :

```
mtd_write write /mnt/uboot256.img Bootloader
```

You should see on console

```
#Unlocking Bootloader ...
```

```
#Writing from /mnt/uboot256.img to Bootloader ... [w]
```

Upgrade firmware - do not reset router during this operation! Enter the following :

```
mtd_write write /mnt/mini_luci_web.bin Kernel
```

You should see on console

```
#Unlocking Kernel ...
```

```
#Writing from /mnt/mini_luci_web.bin to Kernel ... [w]
```

Reboot router by entering :

```
reboot -f
```

The router will have a minimal OpenWRT firmware on it and you can use the web interface at 192.168.1.1 to go to **System→Backup/Flash Firmware** and flash to the ROOter image with **update** in its name.