

1.) Install Compiler for building U-Boot on our Pine64 H64B SBC

```
sudo apt install device-tree-compiler build-essential libssl-dev python3-dev bison
sudo apt install flex swig gcc-aarch64-linux-gnu gcc-arm-none-eabi
sudo apt install gcc make git
```

2.) Build U-Boot on our Pine64 H64B SBC

```
cd /home/youruser/
git clone https://github.com/ARM-software/arm-trusted-firmware
cd arm-trusted-firmware
git tag                                remember last stable (v2.6)
git checkout v2.6
make PLAT=sun50i_h6 bl31

cd ..

git clone git://git.denx.de/u-boot.git
cd u-boot
git tag                                remember last stable (v2022.01)
git checkout v2022.01
ln -s /home/youruser/arm-trusted-firmware/build/sun50i_h6/release/bl31.bin bl31.bin
make BL31=bl31.bin pine_h64_defconfig
make -j2 BL31=bl31.bin

cd ..

cp -r /home/youruser/u-boot/u-boot-sunxi-with-spl.bin /home/youruser/
```

3.) Flashing U-Boot to our Pine64 H64B SBC

```
cd /home/youruser/

lsblk                                remember storage device name

sudo dd if=u-boot-sunxi-with-spl.bin of=/dev/mmcblkX bs=1024 seek=8 conv=notrunc
```

4.) Reboot the machine

```
sudo reboot
```