

LEDE (OpenWRT)

- [Garys github](#)
- [Forum \(img\)](#)
- [Forum \(compile\)](#)

```
git clone https://github.com/garywangcn/bpi-r2_lede.git
cd bpi-r2_lede/
git checkout bpi-r2-on-lede-v1
make menuconfig
```

here "Target System" must be set to "MediaTek Ralink ARM" and in "Boot Loaders" the entry "u-boot-bpi_r2" must be selected with a *

build with:

```
make -j1 V=s
```

nach dem kompilieren liegen 2 img-Dateien im Ordner build_dir/target-arm_cortex-a7+neon-vfpv4_musl_eabi/linux-mediatek_32/:

```
frank@Frank-Laptop:/media/data_ext/bpi-r2_lede$ ls -lh build_dir/target-arm_cortex-a7+neon-vfpv4_musl_eabi/linux-mediatek_32/*.img
-rw-r--r-- 1 frank frank 67M Jan 16 12:03 build_dir/target-arm_cortex-a7+neon-vfpv4_musl_eabi/linux-mediatek_32/mtk-bpi-r2-EMMC.img
-rw-r--r-- 1 frank frank 67M Jan 16 12:03 build_dir/target-arm_cortex-a7+neon-vfpv4_musl_eabi/linux-mediatek_32/mtk-bpi-r2-SD.img
```

img-files are on my [gdrive](#)

SD

```
dd if=mtk-bpi-r2-SD.img of=/dev/sdx
```

EMMC

1. Copy EMMC image to a running system which is on SD card
2. Program EMMC image to User Data Area of EMMC: `dd if=mtk-bpi-r2-EMMC.img of=/dev/mmcblk0`
3. Unlock EMMC boot0 block: `echo 0 > /sys/block/mmcblk0boot0/force_ro`
4. Program preloader to EMMC boot0 block: `dd if=mtk-bpi-r2-EMMC.img of=/dev/mmcblk0boot0 bs=1M count=1`
5. Change the Partition configurion of EMMC is 48h: reboot the system which is running SD, and enter the U-boot command line, run command `emmc pconf 48`
6. Power off, remove SD card, and then power on R2 board.

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