

# How To Boot Through NVMe?

Banana PI RISC-V Design BPI-F3



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6d

How can one configure the BPI-F3 board to boot an OS installed on a NVMe M.2 SSD attached to the board?

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lu\_zero Luca Barbato

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Install u-boot on emmc, configure the env to have the `root=/dev/nvme0n1p{the partition}`, if you aren't used to u-boot I can give you the minimal line to use.



kvic

2d

Sure will help. Please go ahead



lu\_zero Luca Barbato



2d

in `/boot/env_k1-x.txt` put

```
console=ttyS0,115200
```

```
init=/init
```

```
bootdelay=0
```

```
loglevel=8
```

```
nvme_root=/dev/nvme0n1p6
```

```
kn1_name=Image.gz.itb
```

```
ramdisk_name=initramfs.img
```

```
commonargs=setenv bootargs earlycon=${earlycon} earlyprintk console
```

```
autoboot=run commonargs; run detect_dtb; run loadkn1; run loaddtb;
```

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Since I do not need more than this, your mileage may vary.

Make sure `nvme_root` `ramdisk_name` and `kn1_name` are the correct ones, you may install the u-boot userspace tools and do `fw_printenv` to see what's the default env in your setup first.

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