

Mini2440 Debian from scratch How To

Hi,

These informations are coming from a [FriendlyArm thread](#) that a writer did for me.

I've just put it here to make it usefull for others.

Thanks to :

- Coburn (the original post)
- srikanth who answered me with what is bellow

David Lewin

1.install u-boot to nand flash

- switch on board with NOR position
- press f ,
- press x,
- press q

u will get supervivi

```
supervivi> load ram 0x31000000 239106 u
supervivi> go 0x31000000
```

*note: 239106 is the u-boot.bin size and my vary according to your code.
I can explain later how to get it.*

```
mini2440# nand scrub
```

and *enter*,

```
nand createbbt
```

and *enter*,

```
nand write 0x31000000 u-boot
```

and enter,

```
dynpart enter, dynenv set 40000
```

and *enter*,

```
saveenv
```

and *enter*,

```
reset
```

and *enter*,

Cf this link <http://www.youtube.com/watch?v=oi66srITOCa>

2. OS installation on SD card

1. get a computer running Linux with a SD slot
2. insert the card and find what its name, eg sda , sdb or mmcblk0
3. fdisk the sd card .. eg fdisk /dev/sdb
4. make 2 or 3 partitions , 3 being the swap file
5. set the partition types eg (from Coburn64`s)

Device	Boot	Start	End	Blocks	Id	System
/dev/sdd1		1	51	102748+	b	W95 FAT32
/dev/sdd2		52	827	1564416	83	Linux
/dev/sdd3		828	957	262080	82	Linux swap

```
mkfs.vfat /dev/sdd1  
mkfs.ext3 /dev/sdd2  
mkswap /dev/sda3
```

- mount the sd partitions 1 and 2

Eg

```
mount /dev/sda1 /mnt/p1 &#61663;
```

and make the dir first.

- copy and untar <http://www.furyfile.net/get.php?id=VuICeUn>
to partition 1 (vfat - uimage)
- And <http://kthxbai.geekinthefamily.com/whoo/archive.tar.gz> to partion 2 (ex3 – rfs)

```
mini2440# setenv bootargs console=ttySAC0,115200 root=/dev/mmcblk0p2  
rootfstype=ext3 mini2440=3tb rootdelay=3 init=/linuxrc
```

Note: 3tb is for 7" LCD. With 3"5 use 1tb instead

```
mini2440# setenv bootcmd mmcinit \; fatload mmc 0:1 0x31000000  
uImage \; bootm 0x31000000
```

```
mini2440# saveenv
```

Now you can reset in NAND position