

Instructions to install VDR

on



Cubieboard 1-3

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# 1 Hardware

## 1.1 Technical



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Name	:	Cubieboard 2
Size	:	10 cm x 6 cm
CPU	:	Allwinner A20 SoC (2 ARM-Cortex A7-Cores with 1 GHz)
GPU	:	Mali-400MP2 (OpenGL ES 2.0/1.1)
VPU	:	CedarX (max 2160p (Ultra HD))
RAM	:	512MB (Test) / 1GB (Produktion) DDR3
CONN	:	2x USB Host, 1x USB On-the-go, 1x CIR, 1x SATA
VID-OUT	:	HDMI @ 1080p
AUD-OUT	:	S/PDIF, Headphone, HDMI-Audio
AUD-IN	:	Mikrophone, Line-In
Storage	:	4 GB NAND-Flash, 1x MicroSD
Network	:	10/100-Ethernet
DB-Con.	:	96 Pin incl I <sup>2</sup> C, SPI, LVDS

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## 2 Software

### 2.1 Installation

Install required Packages and update System:

#### Basic Config

```
1 cd /usr/local/src/ ;
2 apt-get update;
3 apt-get build-dep vdr;
4 wget http://vdr-resource.de/cubiuntu/cubiuntuVDR.packages;
5 cat cubiuntuVDR.packages |sudo xargs apt-get -y install
6 apt-get upgrade;
```

Link library's for vdr-plugin-softhd-device

#### (soft-)link Library's for softhd-device

```
1 cd /usr/lib/ ;
2 ln -s /usr/lib/arm-linux-gnueabi/libxcb-xv.so.0 libxcb-xv.so.0 ;
3 ln -s /usr/lib/arm-linux-gnueabi/libxcb-shm.so.0 libxcb-shm.so.0 ;
4 ln -s /usr/lib/arm-linux-gnueabi/libxcb-dpms.so.0 libxcb-dpms.so.0 ;
5 ln -s /usr/lib/arm-linux-gnueabi/libxcb-util.so.0 libxcb-util.so.0 ;
6 ln -s /usr/lib/arm-linux-gnueabi/libxcb-screensaver.so.0 libxcb-screensaver.so.0 ;
7 ln -s /usr/lib/arm-linux-gnueabi/libxcb-keysyms.so.1 libxcb-keysyms.so.1 ;
8 ln -s /usr/lib/arm-linux-gnueabi/libxcb-icccm.so.4 libxcb-icccm.so.4 ;
9 ln -s /usr/lib/arm-linux-gnueabi/libxcb-glx.so.0 libxcb-glx.so.0 ;
10 ln -s /usr/lib/arm-linux-gnueabi/libxcb-randr.so.0 libxcb-randr.so.0 ;
```

Add modules to autoload.

```
edit /etc/modules
```

```
1 nano /etc/modules
```

add following:

```
1 # /etc/modules: kernel modules to load at boot time.
2 #
3 # This file contains the names of kernel modules that should be loaded
4 # at boot time, one per line. Lines beginning with "#" are ignored.
5
6 #For SATA Support
7 sw_ahci_platform
8
9 #Display and GPU
10 lcd
11 hdmi
12 ump
13 disp
14 mali
15 mali_drm
16 cedar_dev
17 bt_gpio
18 bcmdhd
```

d