

Graterlia

Pendrive

- Rozpakowujemy rootfs na 1-szą partycję ext3.
- Przy starcie nboxa, zmieniamy strzałkami w dół na UsbA.
- Graterlia zbootuje, dość długo będzie generować klucz SSH (LED: GenS). Na koniec wyświetli adres IP.

NAND

- Na pendrive z fat32 rozpakowujemy paczkę dla NAND (rootfs.img, kernel.img, update.img)
- Włączyć nboxa trzymając POWER i odczekać gdy pojawi się na wyświetlaczu PROG
- Wgrywanie trwa ok 3 minut
- Na koniec pojawi się OK

Instalacja pakietów

```
# df -h
Filesystem                Size      Used Available Use% Mounted on
/dev/root                  60.0M      12.7M      47.3M   21% /

opkg update
sysupdate
opkg install enigma2 enigma2-locale-pl enigma2-plugin-graphmultiepg enigma2-
plugin-openwebif enigma2-plugin-satfinder enigma2-plugin-skinselector vsftpd
opkg install enigma2-plugin-softwaremanager

# df -h
Filesystem                Size      Used Available Use% Mounted on
/dev/root                  60.0M      44.6M      15.4M   74% /

opkg install enigma2-channels-hotbird-polskie-myszka20 enigma2-picons-
hotbird-polskie-220x132x8-style-00-myszka20 enigma2-plugin-frontpanel
enigma2-skin-infinityhd-gos oscam-standard-webif-longterm

# df -h
Filesystem                Size      Used Available Use% Mounted on
/dev/root                  60.0M      50.7M       9.3M   85% /

reboot
```

Wifi

Obsługiwane wifi:

- kernel-modules-wifi-mt7601u-gos - 2.6.32.61.0217.03 - Kernel module for WiFi Mediatek MT7601U chipsets
- kernel-modules-wifi-rt2870-gos - 2.6.32.61.0217.03 - Kernel module for WiFi Ralink 2870 chipsets
- kernel-modules-wifi-rt3070-gos - 2.6.32.61.0217.03 - Kernel module for WiFi Ralink 3070 chipsets
- kernel-modules-wifi-rt5370-gos) - 2.6.32.61.0217.03 - Kernel module for WiFi Ralink 5370 chipsets
- kernel-modules-wifi-rt8188eu-gos - 2.6.32.61.0217.03 - Kernel module for WiFi Ralink 8188eu chipsets
- kernel-modules-wifi-rt8192cu-gos - 2.6.32.61.0217.03 - Kernel module for WiFi Ralink 8192cu chipsets
- kernel-modules-wifi-rt8712u-gos - 2.6.32.61.0217.03 - Kernel module for WiFi Ralink 8712u chipsets

```
opkg install kernel-modules-wifi-rt5370-gos
opkg install enigma2-plugin-wirelesslan
```

```
1. libpgp-error_1.10.6_sh4.ipk
2. libgcrypt_1.4.4_sh4.ipk
3. libp11-kit_0.12.1_sh4.ipk
4. libgnutls_2.12.23_sh4.ipk
5. wpa-supPLICant_2.0.7_sh4.ipk
6. wireless-tools_29.5_sh4.ipk
7. kernel-modules-wifi-rt5370-gos_2.6.32.59.0211.01_adb5800xx.ipk
```

OSCAM

Z jakiego powodu OSCam w wersji wyższej niż 10551 nie działa z MODCHIP.

```
opkg install oscam-standard-modchip-webif kernel-modules-modchip-gos
```

Dodatki

```
echo "Graterlia0S-user" > /etc/hostname
```

[/etc/sysconfig/udhcpc.conf](#)

```
OPTIONS="-t 10 -A 10 -p $PIDFILE"
```

[/etc/sysconfig/hdparm.conf](#)

```
parmSDA="-S 180 -B 255"
```

[/etc/sysconfig/sysctl.conf](#)

```
varrun=64k  
varlog=32k
```

Logi

W menu poziom logowanie ustawic 4 lub

```
/etc/init.d/gui stop  
# w edytuj settings w /etc/enigma2 i dodaj wpis  
# config.usage.e2_debug_level=4  
# uruchom gui  
/etc/init.d/gui stop start
```

DNS problem

No DNS resolution. Even direct query to Google doesn't work.

LAN: 192.168.8.0/24 GW/DNS: 192.168.8.1

```
# nslookup google.com 8.8.8.8  
Server:      8.8.8.8  
Address 1: 8.8.8.8  
  
nslookup: can't resolve 'google.com'
```

Router shows no new connection from host to port 53.

Strange is that, there is hanging UDP connection to port 53

```
# netstat -n  
Active Internet connections (w/o servers)  
Proto Recv-Q Send-Q Local Address           Foreign Address         State  
tcp        0      64 192.168.8.107:22        192.168.8.106:4922     ESTABLISHED  
udp        0      0 192.168.8.107:58218    192.168.8.1:53        ESTABLISHED
```

Which belongs to Oscam:

```
# netstat -n -W -p  
Active Internet connections (w/o servers)
```

Proto	Recv-Q	Send-Q	Local Address	Foreign Address	State	PID/Program
name						
tcp	0	64	192.168.8.107:22		ESTABLISHED	
			192.168.8.106:4922			
				1912/dropbear		
udp	0	0	192.168.8.107:58442		ESTABLISHED	
			192.168.8.1:53			1473/oscam

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