

Wake-On-Lan

Find out the MAC address of the ethernet port

The MAC address can be found out with the command **ifconfig** or **ip**. For example, **00:1e:06:42:bf:78** is the MAC address access Wake-On-Lan magic.

```
$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group
default qlen 1
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state
UP group default qlen 1000
    link/ether 00:1e:06:42:bf:78 brd ff:ff:ff:ff:ff:ff
    inet 192.168.10.132/24 brd 192.168.10.255 scope global eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::21e:6ff:fe42:bf78/64 scope link
        valid_lft forever preferred_lft forever
```

Enabling Wake-On-Lan

By adding one argument to the kernel command line via editing `/media/boot/config.ini` file, Wake-On-Lan can be enabled and will be affected on the next boot.

```
enable_wol=<0|1>
```

For example, in order to enable Wake-On-Lan.

```
setenv bootargs "... enable_wol=1"
```

Triggering Wake-On-Lan

Firstly, we are assuming that ODROID-N2/C4/HC4 is suspended while DC power cable and ethernet cable are attached.

```
$ sudo systemctl suspend
```

From another a device, a desktop or a router which can triggers an Wake-On-Lan packet, you can wake up the ODROID-N2/C4/HC4. For example, from Ubuntu desktop, the command **wakeonlan** with a specific MAC address will make the ODROID-N2/C4/HC4 start instantly.

```
$ wakeonlan 00:1e:06:42:bf:78
```

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