Start by configuring the Ethernet and the WLAN interfaces on the MR3020 in two different networks:

/etc/config/network

```
config interface 'loopback'
    option ifname 'lo'
    option proto 'static'
    option ipaddr '127.0.0.1'
    option netmask '255.0.0.0'

config interface 'wan'
    option ifname 'eth0'
    option proto 'static'
    option ipaddr '192.168.1.66'
    option netmask '255.255.255.0'
    option gateway '192.168.1.1'
    option dns '8.8.8.8'

config interface 'wifi'
        option proto 'static'
        option ipaddr '192.168.66.1'
        option netmask '255.255.255.0'
        option ip6addr '2a01:240:fe00:80ab::1/64'
```

/etc/config/dhcp

```
config dnsmasq
    option domainneeded    1
    option boguspriv    1
    option filterwin2k    0  # enable for dial on demand
    option localise_queries    1
    option rebind_protection 1  # disable if upstream must serve
RFC1918 addresses
    option rebind_localhost 1  # enable for RBL checking and similar
services
    #list rebind_domain example.lan  # whitelist RFC1918 responses for
domains
    option local    '/lan/'
    option domain    'lan'
    option expandhosts    1
    option nonegcache    0
    option authoritative    1
    option readethers    1
    option leasefile    '/tmp/dhcp.leases'
    option resolvfile    '/tmp/resolv.conf.auto'
    #list server        '/mycompany.local/1.2.3.4'
    #option nonwildcard    1
    #list interface        br-lan
    #list notinterface    lo
    #list bogusnxdomain    '64.94.110.11'
```

```
config dhcp wifi
    option interface    wifi
    option start       100
    option limit       150
    option leasetime    12h

config dhcp wan
    option interface    wan
    option ignore      1
```

/etc/config/wireless

```
config wifi-device   radio0
    option type      mac80211
    option channel  11
    option macaddr    f8:d1:11:bd:62:ce
    option hwmode    11ng
    option htmode    HT20
    list ht_capab     SHORT-GI-20
    list ht_capab     SHORT-GI-40
    list ht_capab     RX-STBC1
    list ht_capab     DSSS_CCK-40

config wifi-iface
    option device    radio0
    option network  wifi
    option mode      ap
    option ssid 'PocketBox'
        option encryption 'psk2'
        option key ' 1CAFE2DECA'
```

/etc/config/firewall

```
config zone
    option name          wifi
    option input         ACCEPT
    option output        ACCEPT
    option forward       REJECT

config zone
    option name        lan
    option network      'lan'
    option input     ACCEPT
    option output     ACCEPT
    option forward      REJECT

config zone
    option name        wan
```

```
        option network        'wan'
        option input         REJECT
        option output         ACCEPT
        option forward         REJECT
        option masq          1
        option mtu_fix         1


config forwarding
        option src        lan
        option dest        wan


config forwarding
            option src                wifi
            option dest                wan
```

```
opkg update && opkg install aiccu radvd
```

```
ip -6 addr add 2a01:240:fe00:80ab::1/64 dev wlan0
```

From:
http://wiki.lahoud.fr/ - **wikiroute**

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Last update: **2015/04/04 16:41**