

GPRS PCMCIA

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How to make a GPRS connection

Description

Let us consider a situation that you are in a place where no internet connection is available, but you have access to your mobile network provider. In this case you can connect MikroTik router to your mobile phone provider using GPRS (General Packet Radio Service) and so establish an internet connection.

Example

- Plug the GPRS PCMCIA card (with your SIM card) into the router, turn on the router and after it has started, see if a new port has appeared. In this case it is the **serial1** port which is our GPRS device:

```
[admin@MikroTik] port> print
# NAME                USED-BY                BAUD-RATE
0 serial0              Serial Console         115200
1 serial1
[admin@MikroTik] port>
```

- Enter the pin code from serial-terminal (in this case, PIN code is **3663**) :

```
/system serial-terminal serial1
AT+CPIN="3663"
```

Now you should see **OK** on your screen. Wait for about 5 seconds and see if the green led started to blink. Press Ctrl+Q to quit the serial-terminal.

- Change remote-address in **/ppp profile**, in this case to 212.93.96.65 (you should obtain it from your mobile network operator):

```
/ppp profile set default remote-address=212.93.96.65
```

- Add a ppp client:

```
/interface ppp-client add dial-command=ATD phone=*99**1# \
\d... modem-init="AT+CGDCONT=1,\"IP\", \"internet\" port=serial1
```

- Now enable the interface and see if it is connected:

```
[admin@MikroTik] interface ppp-client> enable 0
[admin@MikroTik] interface ppp-client> mo 0
status: dialing...
```

```
status: link established

    status: authenticated
    uptime: 0s
    idle-time: 0s

    status: authenticated
    uptime: 1s
    idle-time: 1s

    status: connected
    uptime: 2s
    idle-time: 2s
[admin@MikroTik] interface ppp-client>
```

Check the IP addresses:

```
[admin@MikroTik] ip address> print
Flags: X - disabled, I - invalid, D - dynamic
#  ADDRESS          NETWORK      BROADCAST    INTERFACE
0  192.168.0.5/24    192.168.0.0  192.168.0.255 ether1
1  D 10.40.205.168/32 212.93.96.65 0.0.0.0       ppp-out1
[admin@MikroTik] ip address>
```