

Manual: Kid-control

<https://wiki.mikrotik.com/wiki/Manual:Kid-control>

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Applies to RouterOS: 6.41

Summary

"Kid control" is a parental control feature to limit internet connectivity for LAN devices.

Kid Control

Sub-menu: `/ip kid-control`

In this menu it is possible to create a profile for each Kid and restrict internet accessibility.

Property	Description
<i>name</i> (string)	Name of the Kids profile
<i>mon,tue,wed,thu,fri,sat,sun</i> (time)	Each day of week. Time of day is selected, when internet access should be allowed
<i>disabled</i> (yes / no)	Whether restrictions is enabled
<i>rate-limit</i> (string)	Maximum available data rate for flow
<i>tur-mon,tur-tue,tur-wed,tur-thu,tur-fri,tur-sat,tur-sun</i> (time)	Time unlimited rate. Time of day is selected, when internet access should be unlimited

Time unlimited rate parameters have higher priority than *rate-limit* parameter.

Devices

Sub-menu: `/ip kid-control device`

This sub-menu contains information if there is multiple connected devices to internet (phone, tablet, gaming console, tv etc.). Device is identified by MAC address that is retrieved from the ARP table. The appropriate IP address is taken from there. It is possible to assign whole subnet to kids devices using netmask.

Property	Description
<i>name</i> (string)	Name of the device
<i>mac-address</i> (string)	Devices mac-address
<i>user</i> (string)	To which profile append the device
<i>reset-counters</i> ([id, name])	Reset bytes-up and bytes-down counters.

Example

With following example we will restrict access for Peters mobile phone:

- Disabled internet access on Monday,Wednesday and Friday
- Allowed unlimited internet access on:

- Tuesday
- Thursday from 11:00-22:00
- Sunday 15:00-22:00
- Limited bandwidth to 3Mbps for Peters mobile phone on Saturday from 18:30-21:00

```
[admin@MikroTik] > /ip kid-control add name=Peter mon="" tur-tue="00:00-24h" wed="" tur-thu="11:00-22:00" fri="" sat="18:30-22:00" tur-sun="15h-21h" rate-limit=3M
[admin@MikroTik] > /ip kid-control device add name=Mobile-phone user=Peter mac-address=FF:FF:FF:ED:83:63
```

Internet access limitation is implemented by adding dynamic firewall filter rules or simple queue rules. Here are example firewall filter rules:

```
[admin@MikroTik] > /ip firewall filter print

1 D ;;; Mobile-phone, kid-control
  chain=forward action=reject src-address=192.168.88.254

2 D ;;; Mobile-phone, kid-control
  chain=forward action=reject dst-address=192.168.88.254
```

Dynamically created simple queue:

```
[admin@MikroTik] > /queue simple print
Flags: X - disabled, I - invalid, D - dynamic

1 D ;;; Mobile-phone, kid-control
  name="queue1" target=192.168.88.254/32 parent=none packet-marks="" priority=8/8
  queue=default-small/default-small limit-at=3M/3M max-limit=3M/3M burst-limit=0/0
  burst-threshold=0/0 burst-time=0s/0s bucket-size=0.1/0.1
```

It is possible to monitor how much data use specific device:

```
[admin@MikroTik] > /ip kid-control device print stats

Flags: X - disabled, D - dynamic, B - blocked, L - limited, I - inactive
#   NAME
IDLE-TIME  RATE-DOWN  RATE-UP  BYTES-DOWN  BYTES-UP
1 BI Mobile-phone
30s        0bps       0bps     3438.1KiB   8.9KiB
```

It is also possible to **pause** all restrictions and then **resume** them whenever you want it:

```
[admin@MikroTik] > /ip kid-control pause Peter
[admin@MikroTik] > /ip kid-control print
Flags: X - disabled, P - paused, B - blocked, L - rate-limited
#   NAME
SUN  MON  TUE  WED  THU  FRI  SAT
0 PB Peter
15h-21h                11h-22h          18:30h-22h
```