

# Commands

## Ports configuration commands

In terms of ports configuration it is possible to change parameters like: service, baud rate, data bits, parity, stop bits and so on. UART commands are provided below.

- **uart**

- **uart help**

Print the help message.

- **uart list**

List available uarts in the system.

Example:

```
uart list
```

```
0: baud: 9600 bits: 8 stop_bits: 1 parity: none (service console)
```

```
1: baud: 115200 bits: 8 stop_bits: 2 parity: odd (covered by cons.)
```

```
2: baud: 9600 bits: 8 stop_bits: 1 parity: none
```

```
3: baud: 1200 bits: 8 stop_bits: 2 parity: even termination: ON (R-COM)
```

```
3: baud: 38400 bits: 8 stop_bits: 2 parity: none termination: OFF
```

- **uart PORT\_NUMBER baud BAUD**

Set PORT\_NUMBER baudrate to BAUD. BAUD value can be one of the following: 2400, 4800, 9600, 14400, 19200, 38400, 57600, 115200.

Example:

```
uart 1 baud 9600
```

WARNING: UART covered by console. Changes will take place after the reset.

- **uart PORT\_NUMBER bits BITS**

Set bit length to BITS. BITS value can be one only 8.

Example:

```
uart 2 bits 8
```

- **uart PORT\_NUMBER stop\_bits STOP\_BITS**

Set stop\_bits length to STOP\_BITS. STOP\_BITS value can be only 1 or 2.

Example:

uart 2 stop\_bits 1

- **uart PORT\_NUMBER parity PARITY**

Set uart parity to PARITY. PARITY value can be one of the following: none, odd, even.

Example:

uart 3 parity even

- **uart PORT\_NUMBER termination STATE**

Set uart termination to new STATE. STATE can be only ON or OFF.

Example:

uart 3 termination ON

- **uart\_service**

- **uart\_service help**

Print the help message.

- **uart\_service list**

List of uarts services status.

Example:

uart\_service list

1 state: ON service: Remote COM port: 1504 enc: YES

2 state: OFF service: TCP Socket port: 1510

3 state: OFF service: UDP Socket port: 1510

- **uart\_service UART\_NUMBER state STATE**

Set UART\_NUMBER state to STATE. STATE value can be only ON or OFF.

Example:

uart\_service 1 state ON

- **uart\_service UART\_NUMBER service SERVICE**

Set UART\_NUMBER service to SERVICE. SERVICE value can be one of the following: Remote COM, TCP Socket, UDP Socket.

Example:

uart\_service 1 service TCP Socket

- **uart\_service UART\_NUMBER port PORT\_NUMBER**

Set UART\_NUMBER port to PORT\_NUMBER. PORT\_NUMBER value can be any in the range: 1-65535.

Example:

```
uart_service 1 port 1501
```

- **uart\_service UART\_NUMBER enc ENC\_STATE**

Set UART\_NUMBER encryption to ENC\_STATE. ENC\_STATE can be only YES or NO.

Example:

```
uart_service 1 enc YES
```

If ENC\_STATE is YES then it will ask for a new password for encryption.

## Network settings

The following commands might be helpful to change network settings according to target LAN parameters.

- **ipconfig**

- **ipconfig addr ADDRESS**

Set IP address to ADDRESS.

Example:

```
ipconfig addr 192.168.0.10
```

- **ipconfig mask NETMASK**

Set subnet mask to NETMASK (in dot-decimal format).

Example:

```
ipconfig mask 255.255.255.0
```

- **ipconfig mask BIT\_COUNT**

Set subnet mask to BIT\_COUNT bits.

Example:

```
ipconfig mask 24
```

- **ipconfig gateway GATEWAY\_IP**  
Set network gateway to GATEWAY\_IP.

Example:

```
ipconfig gateway 192.168.0.1
```

- **ipconfig dhcp enable/disable**  
Enable or disable DHCP client.

Example:

```
ipconfig dhcp enable
```

- **ipconfig dns1 ADDRESS**  
Set primary DNS to ADDRESS, disable getting DNS from DHCP if enabled.

Example:

```
ipconfig dns1 192.168.100.1
```

- **ipconfig dns2 ADDRESS**  
Set secondary DNS to ADDRESS, disable getting DNS from DHCP if enabled.

Example:

```
ipconfig dns2 1.1.1.1
```

- **ipconfig -w**  
Show information about Wi-Fi connection

- **eth\_mac**

- **eth\_mac help**  
Print the help message.

- **eth\_mac default**  
Set device's MAC address to factory-default one.

- **eth\_mac set MAC\_ADDR**  
Set device's MAC address to MAC\_ADDR. Accepts both dash and colon-separated formats.

Example:

```
eth_mac set 01-02-03-04-05-06
```

Example:

```
eth_mac set 01:02:03:04:05:06
```

- **http\_port**

- **http\_port help**

Print the help message.

- **http\_port PORT\_NUMBER**

Set http port to PORT\_NUMBER. A PORT\_NUMBER value must be in range: 1-65535.

Example:

```
http_port 80
```

- **http\_port status**

Print current http port.

Example:

```
http_port status
```

A current http port is 80

- **telnet\_port**

- **telnet\_port help**

Print the help message.

- **telnet\_port PORT\_NUMBER**

Set Telnet port to PORT\_NUMBER. A PORT\_NUMBER value must be in range: 1-65535.

Example:

```
telnet_port 23
```

- **telnet\_port status**

Print current Telnet port.

Example:

```
telnet_port status
```

A current telnet port is 23

- **wificonf**

- **wificonf help**

Print the help message

- **wificonf ssid SSID**

Type SSID of target access point

Example:

```
wificonf ssid SSID
```

- **wificonf password PASSWORD**

Type password of target AP.

Example:

```
wificonf password PASSWORD
```

- **wificonf connect**  
Try to connect to the configured Access Point. A result of the connection can be checked by '**wificonf status**'.
- **wificonf disconnect**  
Disconnect from the AP.
- **wificonf status**  
Show the current connection status.
- **wificonf scan**  
Scan Wi-Fi networks.

- **wifi\_mac**

- **wifi\_mac help**  
Print the help message
- **wifi\_mac default**  
Set device's MAC address to factory-default one.
- **wifi\_mac set MAC\_ADDR**  
Set device's MAC address to MAC\_ADDR. Accepts both dash- and colon-separated formats.

Example:

```
wifi_mac set 01-02-03-04-05-06
```

- without any parameter print current MAC state

## Changing username or password

To change username or password, use user command. Available commands:

- **user help**  
Print the help message.
- **user mod\_name USER\_NAME NEW\_NAME**  
Change the user name to NEW\_NAME. It fails if the name is used by another user.

Example:

```
user mod_name admin john
```

- **user passwd USER\_NAME**  
Change USER\_NAME's password.

Example:

user passwd admin

\*\*\*\*\* <- here is entered password, but '\*' appears instead

Note: Everyone can change the password for themselves.

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Revision #2

Created 6 May 2024 13:35:24

Updated 23 September 2025 06:07:38 by Michał Grabski