

How to configure Wireless M-Bus port

In order to configure WM-Bus port just run Putty or Hyper terminal software, connect to SmartCom and enter the listed commands.

1) First of all check the configuration of 2N SmartCom:

at^scwmbus?

```
at^scwmbus?
^SCWMBUS: "MESS_CNT",589
^SCWMBUS: "GET_SPACE",54696
^SCWMBUS: "DECRYPT",1
^SCWMBUS: "MODE",11
^SCWMBUS: "RF_CHANNEL",4
^SCWMBUS: "PREAMBLE_LEN",0
^SCWMBUS: "INSTALL_MODE",2
^SCWMBUS: "MODULE_TYPE","RC1180-MBUS3,2.00,3.14"
^SCWMBUS: "DEV_CNT",1
^SCWMBUS: 1> "AHS",01130000,0,01,07
OK
```

Make sure that you have configured correct mode (it must be the same like in WM-Bus equipment)

The correct mode can be set by

at^scwmbus="mode",11

where "11" is mode type. SmartCom supports the following modes:

- 1 - T1
- 3- S1
- 8- C1
- 11- T1+C
- 17 - N1

2) Discover required equipment

at^scwmbus="sniff"

Wait a little unless SmartCom discovers available WM-Bus equipment

```
at^scwmbus="sniff"
CONNECT
^SCWMBUS: "VIP",81424136,01,07,-1,-42dBm
^SCWMBUS: "VIP",81424136,01,07,-1,-41dBm
^SCWMBUS: "VIP",81424136,01,07,-1,-41dBm
DISCONNECT
OK
```

3) Add discovered equipment to SmartCom

```
at^scwmbus="dev_add", "VIP",81424136,0,01,07
```

```
at^scwmbus="dev_add", "VIP", 81424136, 0, 01, 07
OK
```

4) Some WM-Bus equipment send encrypted messages. These messages must be decrypted by SmartCom to provide the readable data. In this case enable decrypting by parameter "1" in the following command (0 disables decryption mode)

```
at^scwmbus="decrypt",1
```

Each vendor uses unique decryption key, this key must be stored in SmartCom for messages decrypting:

```
at^scwmbus="key_add",1,A5B95C144134DE257AF2ED4F384C7EB7
```

where „1“ is the number of added equipment,

A5B95C144134DE257AF2ED4F384C7EB7 is unique decryption code (provided by vendor).

The number of added meter device can be found by entering the at^scwmbus?.

```
at^scwmbus?
^SCWMBUS: "MESS_CNT", 670
^SCWMBUS: "GET_SPACE", 46069
^SCWMBUS: "DECRYPT", 1
^SCWMBUS: "MODE", 11
^SCWMBUS: "RF_CHANNEL", 4
^SCWMBUS: "PREAMBLE_LEN", 0
^SCWMBUS: "INSTALL_MODE", 2
^SCWMBUS: "MODULE_TYPE", "RC1180-MBUS3, 2.00, 3.14"
^SCWMBUS: "DEV_CNT", 3
^SCWMBUS: 1> "AHS", 01130000, 0, 01, 07
^SCWMBUS: 2> "VIP", 81424136, 0, 01, 07
^SCWMBUS: 3> "VIP", 81424136, 0, 01, 07
OK
```

5) If you need to delete some meter device from the table just enter

```
at^scwmbus="dev_remove",1
```

where "1" is position number of the meter in the table

Or delete the whole table

```
at^scwmbus="dev_clear"
```



More product information:

2N[®] SmartCom (Official Website 2N)

2N[®] SmartCom PRO (Official Website 2N)