

Digalox® XBEE Poll

Instruction manual (Rev-2025-11)

Description

Digalox XBEE Poll is a Windows Command Prompt application it has no graphical user interface. It is used to read out values from multiple Digalox XBEE devices via a DPM72-XBEE-STICK. Value outputs start with the word "Value:" and contain date and time, the device address and the values from that device. All parts are separated by ";". The number formatting corresponds to the operating system defaults. In order to write the values into a file instead of writing them to the Command Prompt window the Windows command redirection operator ">" can be used. The network ID and key can be stored permanently in the stick so that they don't have to be entered again.

Installation

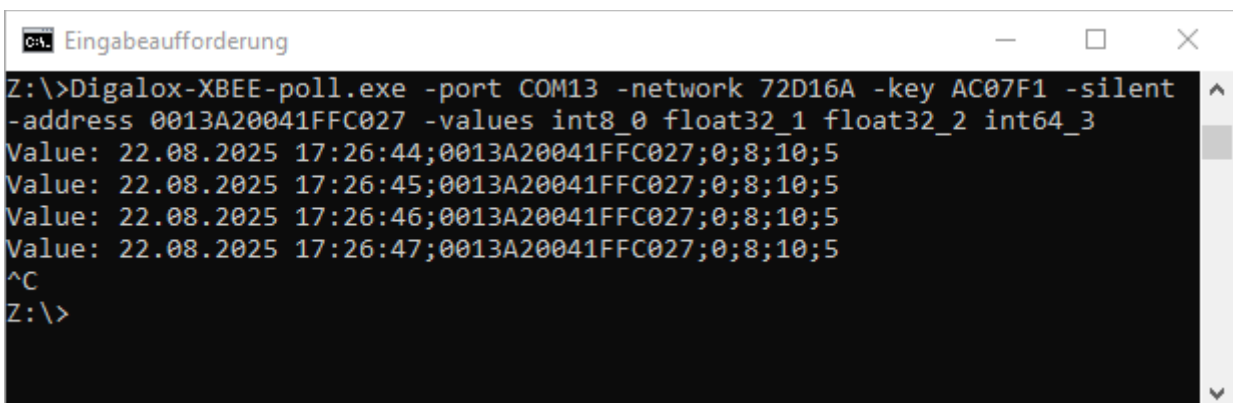
The application is provided as a zip file. It should be unpacked at any location.

Usage

Open the Windows Command Prompt by clicking the Start button, typing "cmd" and pressing Enter. Navigate to the location where you unpacked the application.

Start the application:

Digalox-XBEE-poll.exe [OPTIONS]



```

C:\> Digalox-XBEE-poll.exe -port COM13 -network 72D16A -key AC07F1 -silent
-address 0013A20041FFC027 -values int8_0 float32_1 float32_2 int64_3
Value: 22.08.2025 17:26:44;0013A20041FFC027;0;8;10;5
Value: 22.08.2025 17:26:45;0013A20041FFC027;0;8;10;5
Value: 22.08.2025 17:26:46;0013A20041FFC027;0;8;10;5
Value: 22.08.2025 17:26:47;0013A20041FFC027;0;8;10;5
^C
Z:\>
  
```

OPTIONS:

-file FILENAME	Load all parameters from the text file with name FILENAME
-port PORT	PORT ("COMx") to which the XBEE stick is connected
-network ID	XBEE network ID in hexadecimal format 64 bit (up to 16 hex chars, default D16A10)
-key KEY	XBEE link KEY for encrypted networks in hexadecimal format 128 bit (up to 32 hex chars, default C077F16)
-detect	Scan network for devices
-repeat #	Number # of times the polling is repeated (default infinite)

- rate # Poll rate # in ms (default 1000 ms)
- address ADDRESS ADDRESS of the device to be polled in hexadecimal format 64 bit (16 hex chars)
- values VALUE VALUE addresses of the values to be polled in hexadecimal format 16 bit (4 hex chars), multiple addresses separated by space.
Remark: -address and -values parameter can be repeated to poll multiple devices
- permanent Save network settings (e.g. options -network and -key) permanently to the XBEE stick, so that no network initialization is needed after power cycle of the XBEE stick (see option -noinit). Use the -permanent option sparingly; the device's flash supports a limited number of write cycles.
- noinit Skip network initialization and use network settings of the XBEE stick
- silent Suppress status information and output only values

VALUE address aliases (for DPM72 devices):

int8_0	or dpm72_selected_displayvalue_index	Index of selected display value
int8_1	or dpm72_selected_displayvalue_adc	(0) DC or (1) AC measurement active
int64_0	or dpm72_displayvalue1_int64	Display value 1 as int64
int64_1	or dpm72_displayvalue2_int64	Display value 2 as int64
int64_2	or dpm72_displayvalue3_int64	Display value 3 as int64
int64_3	or dpm72_displayvalue4_int64	Display value 4 as int64
float32_0	or dpm72_displayvalue1_float32	Display value 1 as float32
float32_1	or dpm72_displayvalue2_float32	Display value 2 as float32
float32_2	or dpm72_displayvalue3_float32	Display value 3 as float32
float32_3	or dpm72_displayvalue4_float32	Display value 4 as float32

Example 1: Read two values from one device

Query:

```
Digalox-XBEE-poll.exe -port COM3 -network F13340 -key B02143 -address 0013A200419576F3 -values float32_0 int64_1
```

Output:

```
[...]
Value: 21.08.2025 15:02:11;0013A200419576F3;6.1;-23
```

Example 2: Read values from two devices and write them without status information to a csv-file

Query:

```
Digalox-XBEE-poll.exe -port COM3 -network F13340 -key B02143 -silent -address 0013A200419576F3 -values float32_0 -address 0013A2004195AA35 -values int64_0 > out.csv
```

Output:

```
Value: 21.08.2025 15:02:11;0013A200419576F3;6.1
Value: 21.08.2025 15:02:11;0013A2004195AA35;73
```

Contact information

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