

Quick Guide

PC SOFTWARE

MultiCon Emulator

- Version: **v.1.0.0** or higher



Read the user manual carefully before starting to use the software.
Producer reserves the right to implement changes without prior notice.

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1. INTRODUCTION

'MultiCon Emulator' is a computer program that allows to emulate the MultiCon device in demo version at Windows system. This demo enables the user handling the interface like in the real unit.

2. HARDWARE REQUIREMENTS

- operating system: Windows 7,
- 1 GHz processor or faster,
- recommended 2 GB of RAM memory,
- 1 GB free space on a hard drive,

3. RUNNING 'MULTICON EMULATOR'

Double clicking or running the file 'run.bat' will start the "MultiCon Emulator" using virtual machine QEMU. The demo is running about 1 min depending on your PC processor eg. when using Celeron this process may take more time.

4. QEMU HOT KEY USED IN THE 'MULTICON EMULATOR'

- 'Ctrl' + 'Alt' – allows the user to move from window of the virtual machine QEMU to Windows window,
- 'Esc' – shutdown the virtual machine QEMU (QEMU can be also shutdown using 'Close' button in the upper right corner of the virtual machine or by 'MENU' of the 'MultiCon Emulator' program using 'Safe shutdown' button).

5. LIMITATIONS OF THE 'MULTICON EMULATOR'

Limitations of the 'MultiCon Emulator' compared with the real device:

- no input and output modules,
- has built-in the ETU module to handle ethernet,
- has built-in inactive serial port to serve Modbus interface options (connection to a real serial network is disabled),
- in 'Device information' menu unavailable options:
 - add new licence (data logging licence is already activated),
 - firmware update,
 - remote display,
 - export manual.

6. ADDITIONAL OPTION 'REMOTE FLASH DISK' IN THE 'MULTICON EMULATOR'

In the emulator there is an additional option 'Remote flash disk' available in 'Network settings' submenu enabling to save/load configuration and template or export log data to shared folder in Windows system. Shared folder can be in any medium. If configuration/log is to be saved, the medium must be accessed to write. If option 'Remote flash disk' is disabled than save/load configuration and template or export log data is limited to 68MB free space memory of the emulator.

To use selected folder as 'Remote flash disk' for save/load "Multicon Emulator" files:

1. Create new folder and name it "flashdisk" (no quotation marks).
2. Share "flashdisk" folder for selected user. If you choose an user account with owner sharing or create a new user than a password is required. If you choose user account 'All' or 'Guest' a password is not required.
3. In the "Network settings" of the "Multicon Emulator" configuration menu, enter user name and password defined in step 2.

Save/load configuration/log is available in 'Files management' menu. In the 'Load configuration' submenu there are additional 2 configurations (only if 'Remote flash disk' option is disabled):

- default.cfg – empty configuration (inactive logical channels),
- demo.cfg – demo configuration,

7. ACCESS TO THE 'MULTICON EMULATOR' WEB PAGE

To access the web page of the running "Multicon Emulator", type "localhost:5555" (no quotation marks) in the address bar of your favourite web browser (see Fig. 1). Graphical view of Logical channels will be available after installing java plugin.



Fig. 1. Web address settings for the 'MultiCon Emulator' in web browser.

8. WORKING "MULTICON EMULATOR" WITH THE 'DAQ MANAGER' SOFTWARE

To use "Multicon Emulator" with the 'DAQ Manager' software the user should in the 'DAQ Manager' software in option 'Ethernet capabilities' set port: 5555 rather than 80 and select the option 'Host name / Domain' with name: localhost (see Figure 2 and Figure 3).

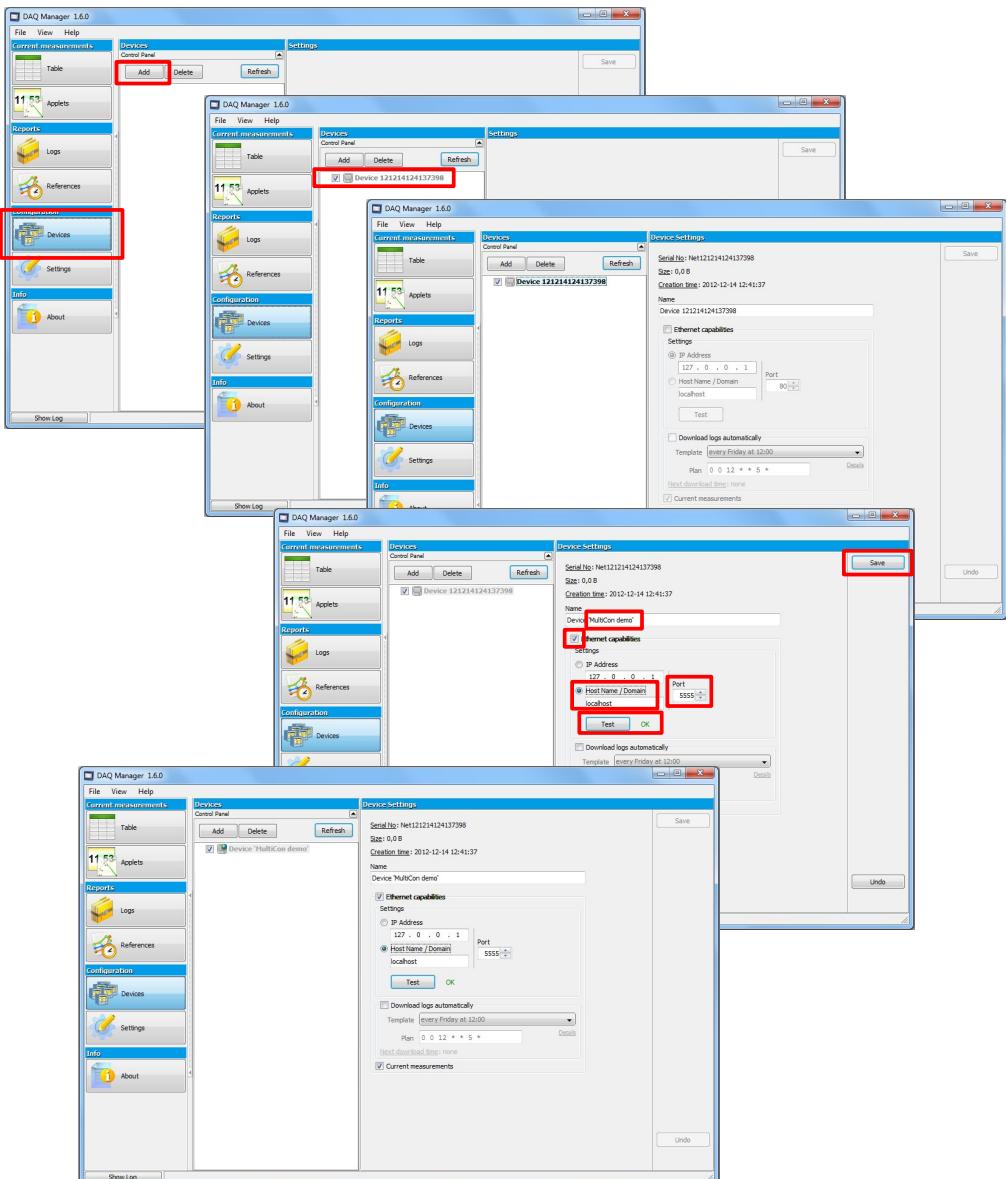


Fig. 2. 'DAQ Manager' software Ethernet setting for 'MultiCon Emulator'

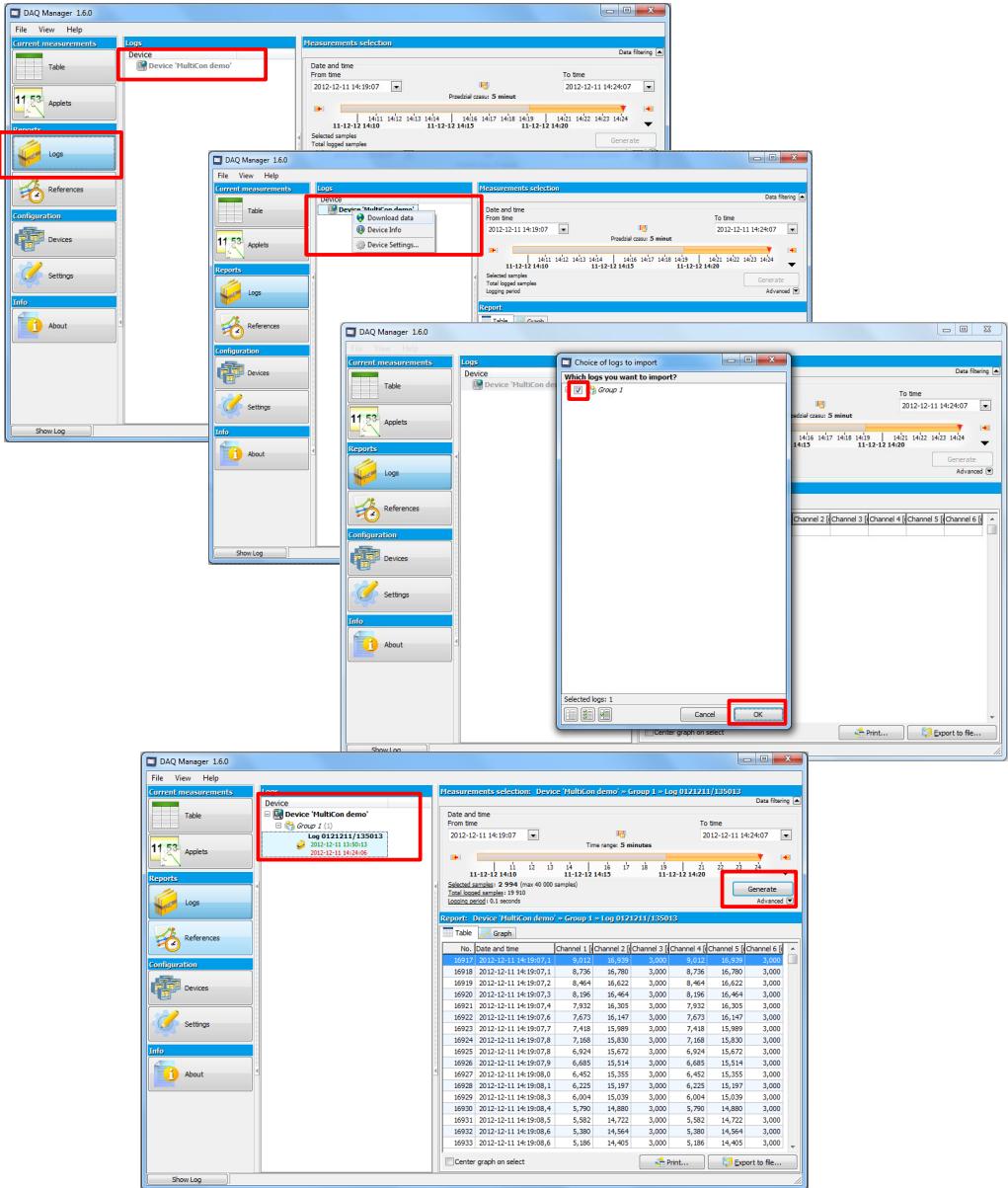


Fig. 3. 'DAQ Manager' software setting for new Log from 'MultiCon Emulator'

