



Fast installation guide



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1. introduction

This guide book is for brief installation of PMS software and establishing the communication with instruments designed for usage with PMS software.

List of supported instruments:

- PLA44, PLA44RGP
- PLA34, PLA34RG, PLA34RGP
- PLA404RGP, PLA404RGPW
- PLA33ICB, PLA33ICMB
- FCRxxC
- GCRxxC
- ICRxxC

1.1. PMS structure

PMS software is based on server-client structure. It consists on several parts:

- PMS server – software that is taking care about the communication with all instruments, SQL database and provides data for on-line monitoring.
- PMS client – software that is GUI for on-line monitoring, device and PMS software configuration.
- PMS evaluation – software for SQL off-line data evaluation.
- SQL server Firebird – SQL database

2. System requirements

Operating system: 32 or 64 bit, Windows XP Sp 3, Windows Vista, Windows 7, Windows 8, Windows 10

Runtime library: Microsoft .NET Framework 4.0

Min HW requirements: RAM min 2GB, processor dual core 1.2 GHz, HDD 100MB for software itself

Important

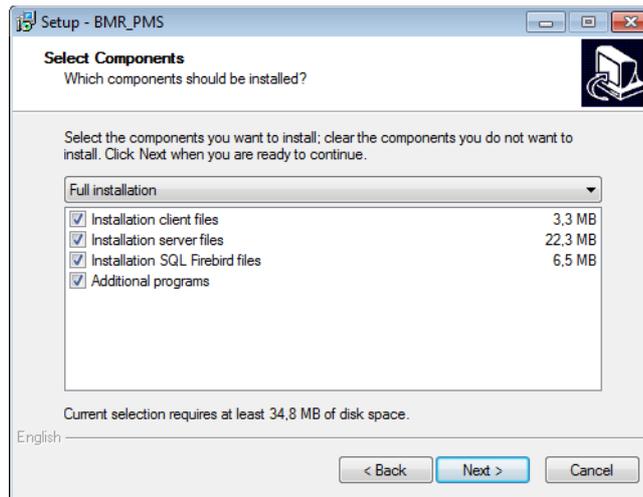
PMS software does not have any special requirements for the PC HW. Nevertheless it is necessary consider amount of data stored in the SQL database. If the interval of recordings into SQL database is chosen wisely the standard office PC can be used. For larger monitoring systems with many measuring points it is recommended to install SQL database on dedicated server.

For example: If there will be 1 minute interval of recording of 20 variables of 3 phase parameters (total 60 values each 1 minute), then it will be 1440 recording s per each day, 43200 per month and 525600 per year.

3. PMS installation

Installation file can be downloaded from the company web-page www.bmr-trading.com in the section of Download / Program tools.

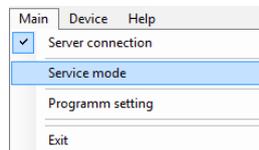
1. Log into PC as an super user rights to be able install the new software
2. Run the installation file BMR_setupPMS.exe
3. Choose the appropriate language that will be used while installation process. Change to any other language available for PMS software is possible later on from the software configuration menu.
4. In next step set the folder for PMS program files or let by Wizard offered default path. It is recommended to keep the default setting.
5. Select the components of the PMS software. If the software PMS is installed for the first time select all components.



6. Select also all tasks for installer.
7. Final confirmation will start installation process.
8. In the last step of installation process is offered option to start PMS after installation. Let this option selected and click the button Finish.
9. If everything was installed fine then PMS client will start.

4. Service mode

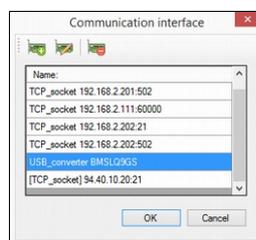
For configuration of communication interfaces, device drivers and instruments itself it is necessary turn PMS client program into the Service mode. In the “Main” menu select the option “Service mode” option. PMS client program will close all opened windows and in the main program window will remain only the left column with list of instruments. Options available in the “Device” menu will be ready to be used for configuration purposes. When the configuration is finished it is important close the Service mode and let PMS client turn all parts of software back to normal operation mode.



4.1. Communication interface

Before adding the devices into the PMS professional software it is necessary define communication interface or interfaces of RS485 networks.

Start configuration of communication interface by click “Device/Communication interface” in the Main menu. Following window will appear.



By click on the button  “New communication interface” the new converter can be add and set. Icon “Edit communication interface” allows to modify existing converter settings. By icon “Remove communication interface” the converter can be removed from the PMS professional software.

- Serial PC – classic serial COM port for generic converter RS485/RS232.
- USB converter – for converter BMR USB485

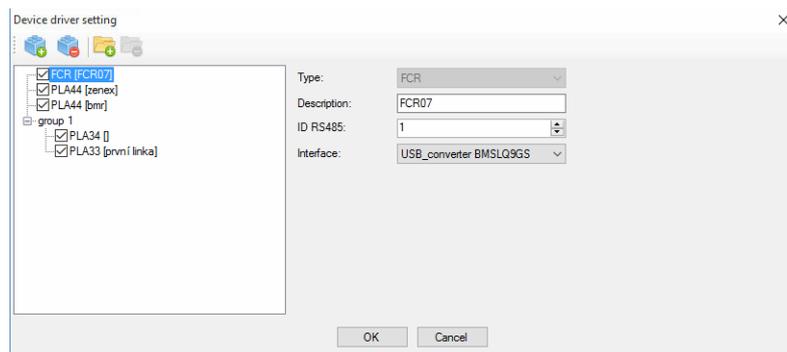
- TCP socket – for generic Modbus RTU or ModbusTCP converter

Communication protocol can be set in the various types according to needs of connected instrument:

- Modbus RTU – for converters USB485 and RS485 (any serial port converter)
- Modbus TCP – for TCP/IP converters
- FTP – for instruments PLA44, PLA34 and PLA404

4.2. Adding device to the system

For correct work the driver of existing device in the monitoring system must be defined. Click on the */Device/Edit device* in the *Main menu* will open following window.



Click on the button  “New device” to add the new device and following window will open.



Select the appropriate instrument from the list and confirm by pressing the button OK. Then the device will be added to the list. Now it is necessary to define the ID of device in RS485 bus and communication interface used for connection to PC.

4.3. Device configuration

By PMS software is possible also configure device itself. Selecting the device in the left device column and click on the icon “Configuration” will open window with configuration options for chosen device.