

SFTP / FTP PUSH BLUE'LOG XM / XC

Item no.: 557.006



Transmission of the measurement data of your PV system to an SFTP / FTP server of your choice

LICENSE DESCRIPTION

The data loggers blue'Log XM / XC enable the daily transmission of data recorded by a PV system to an SFTP / FTP server via SFTP / FTP push. With this function, measurement data can be sent not only to meteocontrol's VCOM portal but also to an independent SFTP / FTP server.

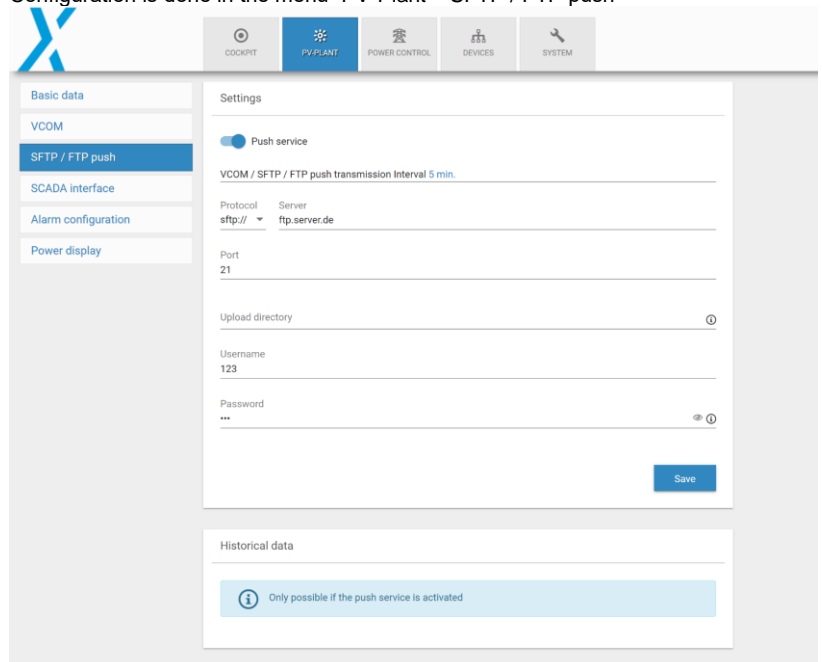
The license SFTP / FTP push activates this function on the data logger.

FEATURES

- + Platform-autonomous data exchange of interval values via XML
- + Adjustable transmission intervals of 5, 15 and 60 minutes
- + Transmission of compressed files (Gzip archive)
- + Measurement values in one-minute intervals
- + Automatic resending of data if the connection is interrupted
- + Transmission of historical data (at least 100 days in the past)
- + Option to choose between FTP or secure SFTP transmission
- + Compatibility with Linux and Windows sftp / ftp servers
- + Transmission of alarm notification is possible by sending an alarm via e-mail (menu "PV system – alarm configuration")

REQUIREMENTS

- + blue'Log XM / XC
- + License SFTP / FTP push*
- + Configuration is done in the menu "PV-Plant – SFTP / FTP push"



The screenshot shows the 'SFTP / FTP push' configuration page in the meteocontrol interface. The left sidebar contains a menu with options: Basic data, VCOM, SFTP / FTP push (selected), SCADA interface, Alarm configuration, and Power display. The main content area is titled 'Settings' and includes a 'Push service' toggle switch which is turned on. Below this, the 'VCOM / SFTP / FTP push transmission interval' is set to 5 min. The 'Protocol' is set to 'sftp://' and the 'Server' is 'ftp.server.de'. The 'Port' is set to 21. There is an 'Upload directory' field with a selection icon. The 'Username' is set to 123 and the 'Password' is masked with three asterisks. A 'Save' button is located at the bottom right of the settings section. Below the settings, there is a 'Historical data' section with a blue information banner that reads: 'Only possible if the push service is activated'.

- + Transmission interval (setting applies to VCOM and SFTP / FTP push)
- + [ftp://servername](#) (sftp://)
- + FTP / SFTP port (default 21)
- + Upload directory can be set in case data should get pushed to a specific directory
- + User name
- + Password

*The license is linked to a specific device. When ordering, please provide the 14-digit hardware serial number of the data logger.

GZIP ARCHIVE / XML FILE

- + A XML file contains 5 x 1min
- + All time stamps in the file use the UTC format (i.e., 2018-01-14T10:00:00Z)
- + For transmission intervals of >5 minutes, a number of files will be sent each time (for 60 minutes: 12 XML/gz files)
- + Each XML-File will be compressed and transferred as gz archive
- + File names of the XML and Gzip files:
 - XML
 - <Serial number >_< date >_<start time of the data>_<end time of the data> (e.g. 79810829150006_20181224_2300_2315.xml)
 - GZIP
 - <Serial number>_<date>_<start time of the data>_<end time of the data> (e.g., 79810829150006_20181224_2300_2315.xml.gz)
 - The times used in the file name are UTC based.

STRUCTURE OF THE XML FILE

The XML file is based on meteocontrol's import specifications for the VCOM

<https://github.com/meteocontrol/meteocontrol.github.io/tree/master/import-specification>

Example of the blue'Log device structure

```
<device type="DEVICE-TYPE" id="deviceId">
  <uid>deviceId</uid><!--blue'Log deviceId -->
  <name>Inverter 13.37</name>
  <vendor>Huawei</vendor>
  <model>SUN2000-28KTL</model>
  <serial>1234567890</serial>
  <firmware>9.99.99</firmware>
  <interface-type>RS485</interface-type><!-- ETHERNET, PIN, RS485 -->
  <interface-address>BM_RS485_2</interface-address><!--blue'log portId -->
  <address>${data.address}</address>
</device>
```

Example of units

As a rule, SI units are used by the data logger. Units that differ from import specifications are found in the area <abbreviations>

```
<abbreviations>
  <mv t="E_INT" unit="Wh" />
  <mv t="E_DAY" unit="Wh" />
  <mv t="E_TOTAL" unit="Wh" />
  <mv t="R_ISO" unit="Ohm" />
</abbreviations>
```

Example of an XML file

On meteocontrol's home page, you can download an example of an XML file in the area "blue'Log XM / XC" by using the following link:

<https://www.meteocontrol.com/en/services/downloads/>

Further information: www.meteocontrol.com