

**CAUTION: Programming via USB is possible in Windows XP/Vista/7/8/10. Drivers must be installed beforehand.**

## A. ARsoft-CFG installation

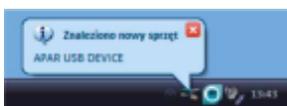
- 1 The ARSoft-CFG is used for online viewing of measurements and for setting device parameters. The program installer also includes Windows drivers and installs a system certificate for the drivers. The ARSoft-CFG installation program can be found on the CD in "Software" folder and the latest version of the program can be downloaded from our website: <http://www.apar.pl/en/download/software> Start the installation program and follow the instructions displayed on screen.

## B. USB driver installation

- 2 Connect the device to your computer using the supplied USB cable

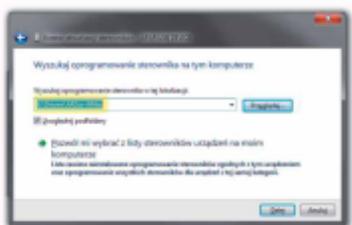
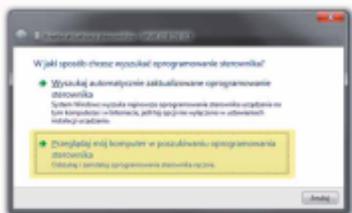


- 3 Windows will detect new devices - storage and virtual COM port - and start installing the drivers.



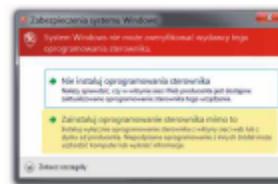
Storage will be installed automatically, but when you install the COM port on other than Windows 10 system, you will need to manually indicate the location of the drivers on the CD: "/DRIVERS/AR2xx-AR4xx" or the ARsoft default data folder:

- „C:\Program Files (x86)\ARSoft\CFG\Drivers” for 64-bit systems
- „C:\Program Files\ARSoft\CFG\Drivers” for 32-bit systems



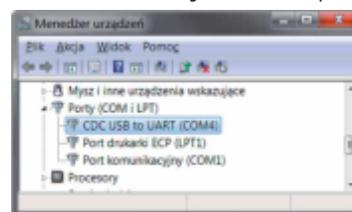
**UCAUTION: Selecting automatic installation of the COM port drives may cause lack of communication with the device!**

- 4 If the system displays a message saying that it is impossible to verify the driver's publisher, it means that APAR certificate is not installed in Windows (see section 1). On Windows XP/Vista/7 you can select the following option to continue: "Install the driver anyway".

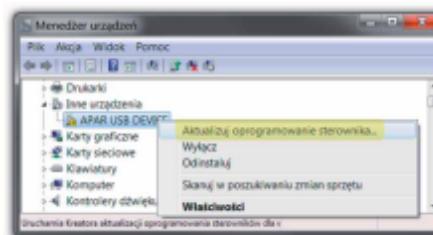


In this case, in Windows 8/10 systems, it is necessary to either reinstall the ARsoft-CFG program or disable the driver signature enforcement system.

- 5 If the drivers have been installed correctly in the Windows Device Manager another item will appear under the COM and LPT ports branch:
  - CDC USB to UART (COMx) for AR200/205/206/406
  - USB Serial Port (COMx) for AR207/407/654
 where x is the number of the assigned virtual COM port

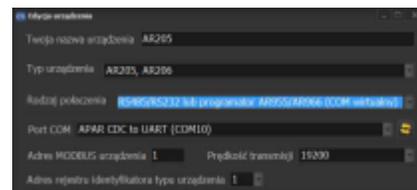


In case of incorrect installation, please find the APAR USB DEVICE or APAR COMPOSITE DEVICE the Device Manager the device marked with an exclamation point and update the drivers.



## C. Configuration of the device using CFG-ARSoft

- 6 Start ARSoft-CFG, select "Add Configuration" window, enter a unique name for the device and select the type of device you wish to connect along with the connection type.



Depending on the selected connection, select one of the following options:
 

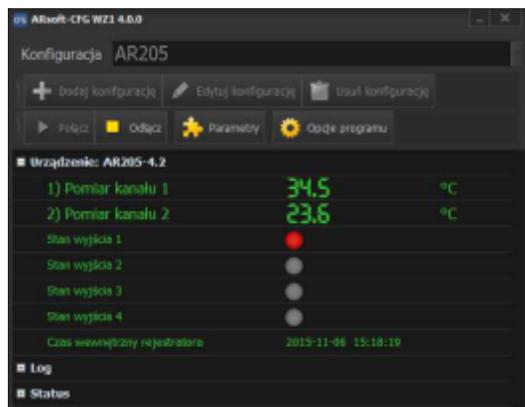
- USB (virtual COM)
  - COM port number - set the number assigned during installation to the virtual COM port (see point 5)
- ETHERNET
  - UDP or TCP port and IP address (host name)
- RS485
  - COM port, bandwidth and MODBUSaddress (default: 1, in case of several devices in the network, each device must have a different address)

## D. Starting recording

- 7** Verify recording options, configure the measurement inputs and check the correctness of the internal clock time of the device:  
 AR207, AR407 → instruction manual, sections 12.2, 12.4, 12.5 and 12.10,  
 AR654 → instruction manual, sections 12.2, 12.3, 12.5 and 12.10,  
 AR200, AR205, AR206 → instruction manual, sections 12.1, 12.3 and 12.8,  
 AR201 → instruction manual, sections 11.1, 11.2 and 11.3,  
 AR406 → instruction manual, sections 13.1, 13.3 and 13.8.  
 Configuration can be done manually via the unit's keypad or via the ARsoft-CFG (see following sections). Once the configuration is complete the device will start recording on schedule set in the logging options.

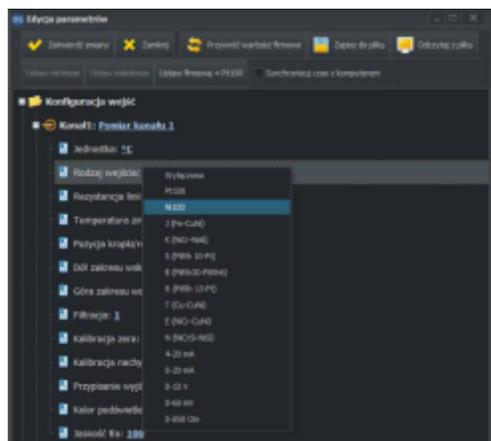
**CAUTION:** The device does not record data when the recorder is connected to a computer via USB cable.

- 8** Start the ARsoft-CFG and in the main window, select the desired configuration, click "Connect" and after establishing connection with the device, select "Parameters";



- 9** Set all parameters that need to be changed according to the instruction manual, and click confirm changes. After closing the "Edit parameters" window, click "Disconnect". You can begin the configuration of the next device.

**CAUTION:** In case of simultaneous use of multiple recorders, each of them should be assigned a different ID number.

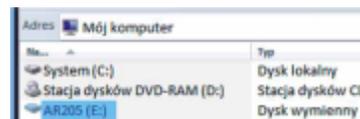


## E. Displaying recorded data

- 10** The data can be read directly by previewing CSV files or via ARsoft-LOG. The ARsoft-LOG installation program can be found on the CD in the catalogue "Software" and the latest version can be downloaded from the website <http://www.apar.pl/en/download/software>. Files can be imported via USB, Ethernet or SD/thumb-drive.

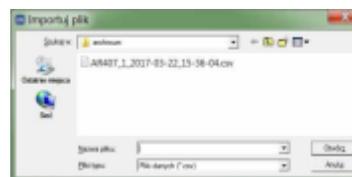
### E.1 Data reading via USB

- 11** Connect the recorder to the computer. A new removable disk will appear (lub 2, jeśli urządzenie obsługuje karty SD).



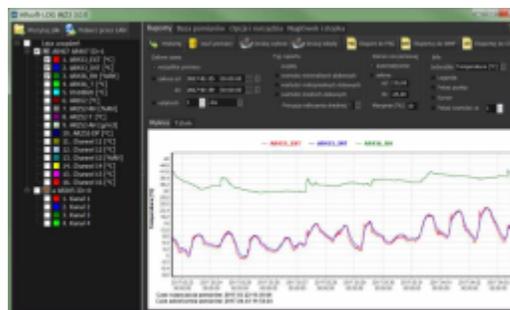
**CAUTION:** The device must be set in USB mode. "Available for computer".

- 12** Start ARsoft-LOG, click "Load files" and open one of the CSV archive files from the recorder's storage.



A window appears in which you can assign names to channels of the device. Confirm the selection and the measurements will be loaded into the database.

- 13** In the device list, select the channels for which you wish to generate report. In the "Reports" tab. After clicking "Start" on the "Reports" tab a diagram and a table with data for the selected channel will be generated.



### E.2 Data reading via Ethernet

- 14** Start ARsoft-LOG, click "Download via LAN", enter the IP address and UDP port of the device and click "Connect". If connected correctly, the program lists the files from the recorder. After pressing "Copy" the files will be copied to the computer and then loaded to the database.

