## Quick guide Connect CHM8k / CHM 15k with Xlink

## Configuration of the XLink 500 to get 1 hour aerosol layer height values out of the sensor

Preparation at CHM8k: The device must be set to transfer mode = 0, i.e. to polling. This can be done via LAN in the browser, or via RS485 command. See also user manual section 8.3.1 "Polling operation" (p. 33) or section 8.7.3 "Configuration of the CHM 8k (Config tab)" (p. 54).

To load the CHM8k measurement configuration, please perform the following steps in the LinkComm software:

1. start the LinkComm software and connect it to the XLink 500
2. Open 2nd menu (top left) "Import configuration" "CHM8k\_Config.txt".
3. request: Should the corresponding script be used? Select "OK" "CHM8k\_Skript.py
4. switch to dashboard synchronize (the warning icon in the top right corner) send configuration
5. Start measurement in the dashboard ready!

Download data:

1. start the LinkComm software and connect it to the XLink 500
2. go to data and select the period for the measurement data under "time span
3. then "Download\*\*\*" and "Save to file" ready!

### In addition …

Polling is used to request measured values from the CHM8k every 5 minutes. The following measured values are logged every 5 minutes:

* Aerosol Layer 1 – „raw\_aero1“
* Aerosol Layer 2 – „raw\_aero2“
* Cloud Base height 1 – „raw\_cloud1“

For each hour, the mean value of the two aerosol layers is then calculated and logged:

* „raw\_aero1“ 🡪 „aero1\_hr\_mn”
* „raw\_aero2“ 🡪 „aero2\_hr\_mn“