

How to use extra sensors in the PWS_Dashboard

The standard uploads used in the dashboard, f.i. realtime.txt, do not have fields for all possible sensors. This document describes how you can use extra (non-standard) sensors.

Which weather-program supports what?:

If you are using **WeatherUnderground** as your data source and do not have any other weather-program available, then there is nothing to read for you here in this document.

If you are using **AmbientWeather, Ecowitt, Weatherlink Cloud** all of your extra sensors are already available in the dashboard. Just continue to read below at "Which blocks".

For other weather-programs the procedure is as follows

- Download the folder with extra upload files for all most weather-programs from pwsdashboard.com
- Setup your weather-program to translate and upload the appropriate file, preferable to the same location as the standard upload file

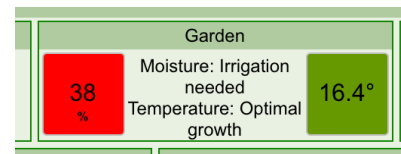
Start	Location	Data	Units	Devices	Tiles	Api&Keys	Other	Save your settings
Weather-program / live data file we will use								
livedataFormat	How do we get our live data?		realtime.txt - Meteobridge					
livedata	Path to your realtime data file. Not used with an API. Correct path is essential for live realtime data display. Example "../clientraw.txt" when your file is in the root.		../realtime.txt					
liveYMD	Format of the dates in the uploaded realtime file		Day Month Year					
Separate upload of the extra sensors from your weatherstation								
have_extra	When using extra sensors an extra data file can be needed		Yes, we have extra sensors and upload the data. select					
extra_data	Path and filename of the uploaded file (f.i. demodata/extra_sensors.txt)		../extra.txt type loacion of uploaded file					
Sky conditions								

- Use easyweathersetup to answer the two questions in tab "Data" and save your answers (green button)
- Next time the PWS_Dashboard is started the data is available for the scripts.

Available blocks.

Soil moisture/temperature

- => soil_tmp_mst_small.php
- => soil_tmp_mst.php
- => soil_tmp_mst_popup.php



Temperature / humidity sensor

- => extra_tmp_c_small.php
- => A small block which displays the temperature and humidity .

=> extra_tmp_block.php

This block list all (up to 8) extra temp-hum sensors.

How to add extra or replace standard weather-values.

The extra upload files can be used also to add other weather-values supported by your weather-program. Or to replace a "standard" sensors value. Lets assume you want to replace the actual value of your outdoor humidity sensor with the value of an extra temp/hum-sensor.

Check using the PWS_module_test.php script => button mid right the "Live data values".

```
[humidity] => 36
```

Now add 1 line to the extra-upload file

```
|humidity|hum|%generalextrahum1%|!
```

This will replace the default value for humidity with the value from an extra sensor