

# README

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This is the 'Read Me' file for the all new 'AI2' additional interface for CumulusMX version **3.25.0**

Release date: Thursday, 27 April 2023

It is a complete reworking of the previous AI and includes 'dark mode' options for any of the supplied themes. The themes supplied with this AI will NOT work with the default website or previous versions of the AI.

In addition to 'dark mode', changes have been made to the responsive nature of the site with fonts adjusting to the size of your screen. These have been further adjusted in the latest release to make them smaller on wide screens but slightly larger on others. The noun stylesheet 'ai-styles.css' has been simplified to make it easier to tweak the font sizes used throughout the site. Another addition is the use of 'flex boxes' on pages that include columns of panels. In these cases, it is very easy to change the order of these panels without resorting to copy-n-paste of the code.

A number of errors in the previous AI have also been corrected. In addition, a bootstrap colour map that is missing from the default interface is included with this one. It will, however need to be copied to the default interface bootstrap/css folder to be included in either system.

This update contains the full CMX AI2 package.

As with the previous AI, this should **not** be used as a replacement for the existing Interface supplied with CumulusMX. You will need the default Interface when CumulusMX is upgraded.

## **Installation**

- This package should be unzipped **outside** your CumulusMX installation.
- The complete **ai2** folder should then be copied to your CumulusMX Interface folder so that it is a sub-folder of it.
- You should **NOT** replace the existing interface folder contents as these are ALWAYS needed for future updates by Mark.

To access the Alternative Interface system you should use one of the following URLs in your browser:

localhost:8998/ai2/

<IP of host>:8998/ai2/

Please note the trailing '/'

In the event that a feature fails to work as expected please flush your local cache before contacting me through the Forum. You should also monitor the forum and/or wiki for updates and fixes.

### Issues

Unfortunately, neither the **Internet Settings ~ Web/Upload Site ~ General Settings** or **Internet Settings ~ Web/Upload Site ~ Advanced Setting** tabs open correctly. The first only displays one of the available options and the second doesn't open at all. However as this is likely to have been set on the initial installation, it should not cause any issues. You can always use the default interface if required.

If you choose to use any of the 'grey' themes (and one or two others), you will need to edit the dayfileviewer.html page and enable the extra styles included. This is an issue with the way the page has been constructed with DataTables. I have found that no styles or javascript can be bolted on to this page to change the way it works.

### Changes

It is now possible to chose a 'dark mode' for any of the supplied themes.

This will reverse the colours used throughout the site except for the charts. This may be implemented in later upgrades. **It should be pointed out that not all themes work well in each mode. Some are better in dark mode while others should only be contemplated in normal mode.**

The 'Utilities' are again all on one page but the page has been restructured. The menu still provides individual links but all display the same page.

A number of units issues on the data logs pages have been fixed.

Responsive features have been improved for tabular output.

On small screen table may enable sideways scrolling rather than compressing the text to fit. This also applies to the NOAA reports pages.

Panel pages; the Dashboard, Current Readings, Gauges, Records, Records for a period, Additional Sensors, Airline Sensors, all use flex boxes. This means that you can change the order the panels are displayed in simply by changing the order style for each panel. These are clearly labeled in the source html for each page.

New style sheets have been created for the logs pages but the 'Units' section remains on the respective page. You will need to manually edit these to reflect the units that your weather station used.

The AI now also displayed the location and altitude of the station on each page.

### Fixed

FTP/Now, Reload dayfile and MySQL cache. These now all work as expected.

## Previous changes

It includes new features for the datalogs pages. The AI locks the Line Number, Date and Time columns to the left of the table. You can now scroll sideways without losing access to the Date, time and line number. If you don't like this extra feature, it can be changed by editing the datalogs.js and extradatalogs.js files. Look for 'fixedColumns'.

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## Units

### DATALOGS AND DAYFILE

```
/*  Units  */

/*  You need to manually edit the following styles to match your units  */

#datalog tbody .tempUnits:after { content:"°C"; font-size: 8px; padding-left: 2px;
vertical-align: text-top;}

#datalog tbody .windUnits:after { content:"kmh"; font-size: 8px; padding-left: 2px;
vertical-align: baseline;}

#datalog tbody .rainUnits:after { content:"mm"; font-size: 8px; padding-left: 2px;
vertical-align: baseline;}

#datalog tbody .percent:after { content:"%"; font-size:10px; padding-left: 2px;
vertical-align: text-top;}

#datalog tbody .rainRateUnits:after { content:"mm/hr"; font-size:8px; padding-left: 2px;
vertical-align: baseline;}

#datalog tbody .pressUnits:after { content:"hPa"; font-size:8px; padding-left: 2px;
vertical-align: baseline; }

#datalog tbody .bearing:after { content:"°"; font-size:10px; padding-left: 2px;
vertical-align:text-top;}

#datalog tbody .hours:after { content:"hrs"; font-size: 8px; padding-left: 2px;
vertical-align:baseline;}

#datalog tbody .solarUnits:after { content:"w/m\00b2"; font-size: 8px; padding-
left:2px;vertical-align:baseline;}
```

### EXTRA DATA LOGS

The following styles are on the 'extradatalogs.html' page.

```
#datalog tbody .leafWUnits:after { content:" "; font-size:8px; padding-
left:2px; vertical-align:top;}

#datalog tbody .soilMUnits:after { content:"cb"; font-size:8px; padding-
left:2px; vertical-align:top;}

#datalog tbody .airQuallUnits:after,
```

## Alternative Interface 2

Version 1

```
#datalog tbody .airQual2Units:after,  
  
#datalog tbody .airQual3Units:after,  
  
#datalog tbody .airQual4Units:after { content:" "; font-size:8px; padding-  
left:2px; vertical-align:top;}  
  
#datalog tbody .CO2Units:after { content:"ppm" font-size:8px; padding-  
left:2px; vertical-align:top;}  
  
#datalog tbody .CO2_5UnitsUnits:after { content:" " font-size:8px; padding-  
left:2px; vertical-align:top;}  
  
#datalog tbody .CO2_10UnitsUnits:after { content:" " font-size:8px; padding-  
left:2px; vertical-align:top;}
```

These have to be edited manually to use the correct units for your station.