

# CumulusMX

## The Default Website v3

User Information for the default website version 3 launched June 2023 by Neil

This website is designed to replace the current default website as supplied by Mark with the official CumulusMX updates. It uses exactly the same data files so requires no additional configuration within CumulusMX itself. It also sits alongside the default website however visitors accessing your root domain it will be shown this site.

## Uploading

Simply upload the provided zip file to your existing host folder containing the default site and extract it. You will see the same pages but with the full html extension. As soon as this is done, your site is live.

## Configuring the site.

As for the AI, this site can be configured to make it more personalised. This is done by editing the page-manager.js file directly.

At the top of the file you will see the following code:

```
/* ~~~~~  
* Script:    page-manager.js  
* Role:      Utility for all pages:  
* a) Setting default configuration  
* b) Setting top and bottom margins  
* c) Setting the required theme  
* d) Providing utility functions  
* Version:   3.0.0  
* Author:    Neil Thomas  
* Edited:    27-04-2023 14:17  
* Checked:  
* ~~~~~  
* Global settings  
* These values are used to configure your public site  
* They can be edited directly but please note that theme names  
* use the filename without the prefix 'thm' or the suffix '-Dark'.  
*/  
  
let CMXConfig = { 'Theme': 'DefaultBlue',
```

```
'darkMode': false,  
'StaticHead': true,  
'StaticFoot': true,  
'PaddingTop': '10px',  
'PaddingBottom': '120px'  
}  
  
let menu = mobileMenu = "";  
let initialLoad = true;  
let load_menu    = "js/menu_new.js"; // menu file to load - path is relative to the page
```

The variable 'CMXConfig' is used to control the layout and theme used for the site. You can manually edit the values as required.

**Theme:** Use any of the themes supplied with this system - the AI themes will NOT work, neither will the themes supplied with the default website. You should NOT include the characters 'thm' or '-Dark' as these will be addressed within the script. To use a dark theme, simply set 'darkMode' to 'true'.

**Padding:** The large padding at the bottom allows the background image of the seagull to be displayed underneath the main content. If this is not required, set it to anything you want.

**Static:** If you want the header to stay at the top of the screen, leave as true, otherwise setting it to false will make it scroll with the page content. Setting StaticFoot to false will allow the footer to drop below the bottom edge of the screen when needed. Note that it will not leave the bottom edge of the browser when there is minimal page content.

## Menus

As for the default website, if you want to use your own then create a new one and add its name to the variable load\_menu. Please note that this site uses the complete 'html' extension for pages; if you use just htm, then the default site page will be loaded.

## Adding your own pages

This website comes with a 'template.html' page that contains the basic page structure with four, three, two and single column panels. You can use this as a framework to add your own content.

## Charts

Both the Trends and Historic charts now also remember the last chart you viewed and display it when you select 'Trends' or 'Historic' in the same session. I.e. you can brows away from a chart and return to it directly as long as you haven't closed the browser.

The charts tooltip is now also consistent across all charts displaying as a single panel with coloured keys. Where appropriate the charts use 'splines' - curved lines, rather than straight point to point lines.

They use buttons for chart selection that always adjust to the width of the display and are always highlighted to show the current chart .

## Technical Details

The site makes use of flex boxes. These can be set to display columns (1 to 6), that automatically redistribute themselves on different size screens. They also have the feature that allows you to give each flex box panel an order number. This enables you to re-organise the layout of each panel so that, for example, you can change the order in which the gauges are displayed.

```
<div class="ow-flex-cr ow-flex-gap">
  <element style="order:1"></element>
  <element style="order:2;"></element>
  .....
</div>
```

The class 'ow-flex-cr' creates a flex container with its children centred and stretched to the same height. The style 'ow-flex-gap' forces a gap between adjacent children rather than use margins.

They also automatically stretch downwards so that all panels in a row are the same height. This feature can also be turned off or altered so that the panel aligns at the top, the centre or the bottom. This can be done for all panels in a flex container or individual ones as shown on the template page.

Within each panel, responsive columns have been used to replace tabular layouts. This enables the widths of 'cells' to be set in steps of 1/12<sup>th</sup> panel widths based on the current width of the panel. Two paragraphs (cells) set to a combined width of 12/12<sup>th</sup> will display in-line, setting both to 6/12<sup>th</sup> will share the width equally. This is done using the style: 'w3-col lX mY sZ' where X, Y, & Z are replaced with numbers and 'l' indicates large screens (over 993px wide), medium screen (over 601px wide) and 's' for small screens. Within each 'row' as long as the widths add up to multiples of 12 the text will stay together.

Below is code from the 'Today vs Yesterday' page.

```
<p class="w3-col l6 m12 s12">Temperature Range</p>
<p class="w3-col l3 m6 s6 w3-center w3-border-right ow-theme-sub5-bdr">
```

```
<span data-cmxdata="temprangeY"></span>&nbsp;<span data-cmxdata="tempunit"></span>
</p>
<p class="w3-col l3 m6 s6 w3-center">
  <span data-cmxdata="temprange"></span>&nbsp;<span data-cmxdata="tempunit"></span>
</p>
```

The first paragraph is allowed  $\frac{1}{2}$  ( $\frac{6}{12}$ ) panel width on large screens but must use the full width on other screens.

Paragraph two and three are allowed  $\frac{1}{4}$  ( $\frac{3}{12}$ ) panel widths on large screen but  $\frac{1}{2}$  ( $\frac{6}{12}$ ) panel widths on other screens.

## The Default Site

To allow users to see the default site as supplied with CumulusMX, provide the URL: `<root_domain>/index.htm`. You can, if you wish, delete any existing file with the extension **'htm'** which will remove the default website.