

WEATHER TILE FOR CRESTRON HOME

Revision: 1.3

Date: 03 February 2026

SUPPORTED INSTALLATION

This is a Crestron Home driver for Crestron Home processors.

DESCRIPTION

The driver is designed to display weather data on a UI received from a HTTP request polling a Weather API every hour.

Features include:

- Displaying current weather conditions
- Displaying Air Quality information
- Displaying a weekly forecast
- Displaying an hourly forecast
- Displaying any weather alerts should there be any
- Ability to scope weather forecasts for Country, State, County, City, Postcode / Zip code or Latitude and Longitude.

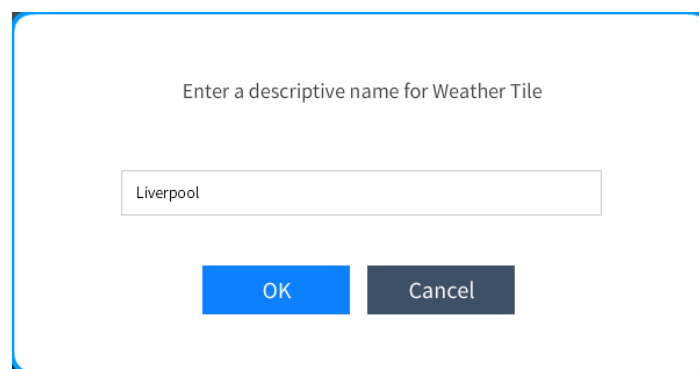
INSTALLATION

The driver can be found under Drivers > Weather Station > Ultamation > Weather Tile

Adding the Driver

Ensure a room is selected, and then click on the '+' against the appropriate device.

You will be asked to provide a descriptive name – we recommend choosing the location you wish to display weather for.



Enter a descriptive name for Weather Tile

OK Cancel

Other parameters to be set up in the config stage are as follows:



Offline Key (Optional)

For devices that operate permanently offline. Not required for devices with an Internet connection.

Offline Key:

The driver is licenced via the cloud, but an optional "offline" key can be requested under special circumstances. Please FIRST refer to the "Licensing" section below and then contact support@ultamation.com if you REQUIRE offline activation. The same offline key can be used for multiple driver instances in the same system.

If you do not have a cloud licence and do not enter a valid offline licence key, the system will function for ONE hour and then control will be suspended. The offline licence key can be entered at any time after initial setup without having to reconfigure each tile.

Visual Preferences:



Show in Room Page

Check to make the tile visible in the device's room page.

☐



Show in Home Page



Show Condition Icons



Show Temperature on Tile

Tile Visibility:

Enabling each checkbox will toggle the visibility in the desired area.

Icon Display:

The weather tile allows for users to toggle condition icons based on preference.

Show Temperature on Tile

Enabling this checkbox will show the current temperature on the tile.

Weather API settings and Preferences:

Installation Settings



API Key

Please enter your Weather API key



Temperature Units

Check to show temperature in degrees Celcius,
otherwise shown in Fahrenheit

☐



AQI Score

Check to display the Air Quality Index with the GB Defra
Index instead of the US EPA Standard

☐



Wind Units

Check to show wind speed in MPH, otherwise shown in
KPH

☐

API Key:

An API key must be set up before loading the driver. Without an API key the driver will not load. An Invalid API key will result in a bad HTTP request and an error in the logs. Please see <https://www.weatherapi.com/signup.aspx> to set up an API key.

Units (Temperature and Wind):

Tick the first box for viewing temperatures in degrees Celsius and leave unticked for degrees Fahrenheit. Tick the second box for viewing wind speed in MPH and leave unticked for KPH. The units will depend on the user's location and preferences.

AQI (Air Quality Index) Score

Enabling this changes the index score to use the GB Defra Index instead of the US EPA Standard.

The image shows a settings interface for a weather tile. It consists of two main sections, each with an information icon (i) in a circle. The first section is titled 'Weather Location' and contains the text: 'The Location for which the weather will be displayed. The Location can be Lat, Long Co-ordinates, City name, US Zip, UK Postcode, Canada Postal code or IP address. If left blank will take processors current location.' To the right of this text is a text input field. The second section is titled 'Forecast Days' and contains the text: 'Enter the number of days (3-14) to display in the weather forecast. Please note that viewing more than 3 days requires a premium Weather API key.' To the right of this text is a text input field containing the number '3'.

Location:

The location parameter is where the API will get the weather data for. The location can be any of the following scopes:

- Latitude and Longitude
- City Name
- US Zip
- UK Postcode
- Canada Postal Code
- Metar
- IATA
- IP address

If the location parameter is left blank, the processors current location will be used as the location for weather data.

Forecast Days:

This is the number of days the weekly forecast will display days for. This value defaults to 3 as this is the number of days included in the free tier of the API. If the user wishes to view more days a premium API key can be purchased at

<https://www.weatherapi.com/pricing.aspx> . The API currently has the ability to display up to 14 days and the tile can display all 14.

Notice Tile Configuration:

Our Weather Tile includes integration with our Notice Tile, allowing users to be notified of latest weather alerts via Pushover notifications. If you have a Notice Tile on your device, please see the below information for configuration. Otherwise leave the checkbox unticked and press next to finish configuring your Weather Tile.

The screenshot displays a configuration interface for connecting a Weather Tile to a Notice Tile. It consists of three vertically stacked sections, each with an information icon (i) in the top left corner.

- Connect to Notice Tile:** This section contains the text "Check to send weather alerts as a notification to notice tile." followed by an unchecked checkbox.
- IP address:** This section contains the text "The IP address of the Crestron Home processor running the target Notice Tile." followed by a text input field containing the value "127.0.0.1".
- UDP Port:** This section contains the text "This is the UDP port that the notice tile is running on." followed by an empty text input field.

Connect to Notice Tile:

Check this box to connect your Weather Tile to your Notice Tile

IP address:

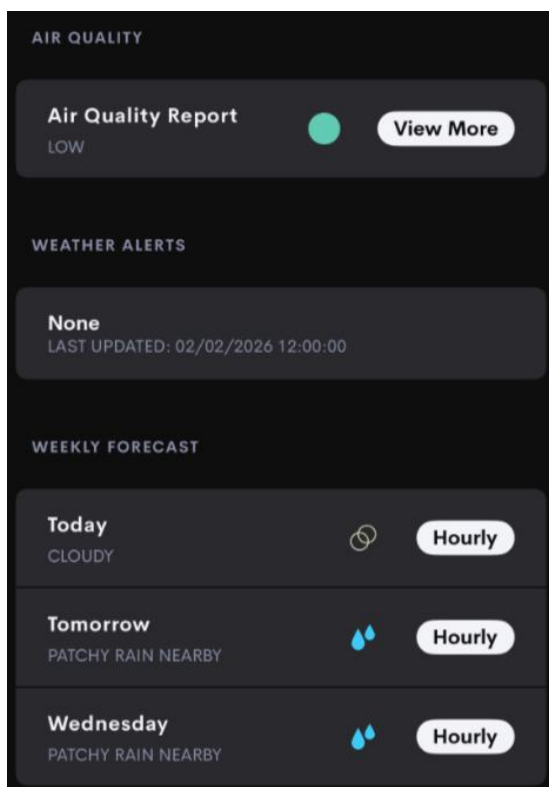
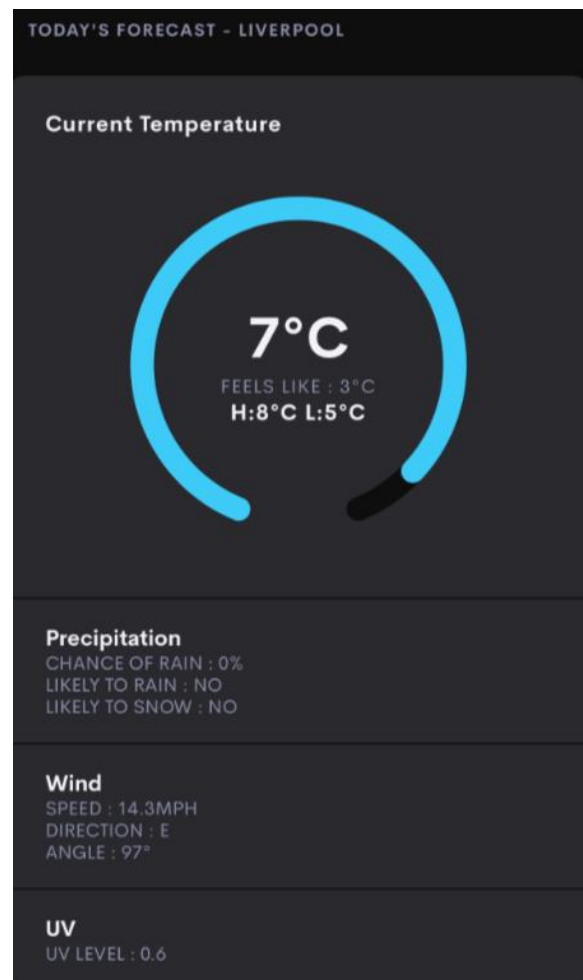
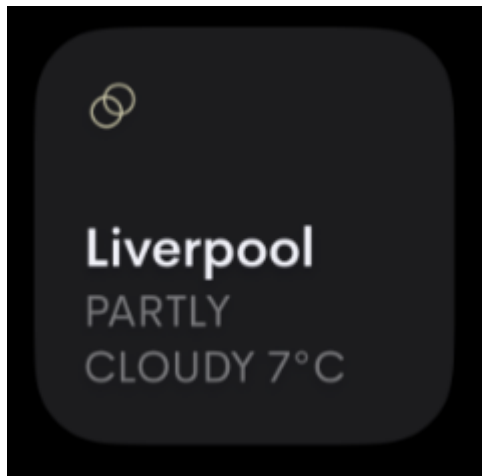
This must be the IP address of the processor running your Notice Tile

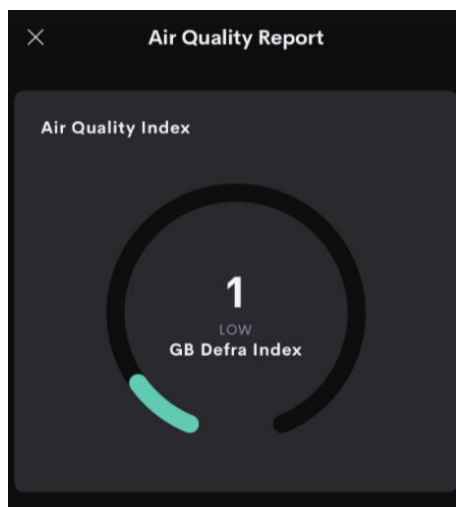
UDP port:

This value must be the UDP port your Notice Tile is listening on

AFTER CONFIGURATION

After setting up your weather tile you should see the current weather conditions and forecast displayed. Here is an example of a loaded weather tile:





TELEMETRY	
Carbon Monoxide	198.85 MG/M3
Ozone	37 MG/M3
Nitrogen Dioxide	15.25 MG/M3
Sulphur Dioxide	2.15 MG/M3
PARTICULATE MATTER (PM)	
PM 2.5	8.65 MG/M3
PM 10	9.35 MG/M3
AIR QUALITY INDEX	
US EPA Standard	1 - GOOD
GB Defra Index	1 - LOW

SUPPORT

If you have any issues with an integration solution please let us know by contacting Ultamation support on support@ultamation.com and please include as much detail about your issue as possible, such a recent processor error log.

Licence verification messages are posted to the error log, so please ensure you have checked this.

LICENCING

This integration solution (including software, images and all other associated assets distributed as part of the purchased download package) is licenced on a PER PROCESSOR basis.

A purchase should not be completed without correct information as refunds cannot be issued for errors or changes made to details following purchase.

This is an electronic product and there is no physical delivery.

The integration solution is provided without any warranty with respect to the reliability of the controlled device or changes to device protocol. We will endeavour, through best efforts, to maintain the integration solution's functionality and any bug fixes will be provided free-of-charge. Additional functionality may be released as a variation of this integration solution and this will be a separate, purchasable, product.

CLOUD LICENCE

This integration solution contacts Ultamation's licencing server at startup. If the server finds a matching licence for the integration solution and processor then the integration solution will be licenced. Otherwise, the integration solution will check the offline licence key. If you purchase a licence **after** you have loaded the integration solution, please reboot the system to see changes take effect.

If you purchased a licence **before** it was migrated to the cloud service, i.e. you have a licence key already, you must enter this into the **Offline Key** user attribute. If you purchased the integration solution **after** it was migrated, and you don't have a licence key, no further action is required.

If no licence exists for the product/processor the integration solution will enter a short trial period (ONE HOUR) to allow for verification of correct control or evaluation.

To request an OFFLINE key, please contact support@ultamation.com with your order details and a brief explanation why you REQUIRE offline activation. Ultamation reserve the right to refuse offline activation.

NOTE: Once an offline key has been issued no further licence changes will be granted. Moving the integration solution to a new processor will require an additional licence purchase.