Wi-Fi Control, URL-Scheme Documentation

To expand the home automation capabilities of Wi-Fi Control, we've added a URL scheme that allows you to interact with the app directly via a series of links.

The *melview* scheme is used to launch the Wi-Fi Control app and performs certain tasks. This can be done either as HTML links or native app URL strings.

Opening Wi-Fi Control

The most straightforward version of the *melview* URL scheme is simply melview://, which will open the app and leave it in the same state as when it was last used.

HTML link:

```
<a href="melview://">Launch Wi-Fi Control App</a>
```

Native app URL string:

```
melview://
```

Opening a unit, and or controlling it

The *melview* URL scheme also supports opening a unit, and or controlling it. This functionality may be useful in home automation systems, so other apps can see what the unit is doing or to send a list of commands like turn on and heat to 21°C.

A URL to open a unit takes the following structure:

```
melview://unit/[mac-address]
melview://unit/001dc9000000
```

A URL to send commands to a unit takes the following structure:

```
melview://unit/[mac-address]/[command-string]
melview://unit/001dc9000000/on,cool,temp18
```

The following parameters can be provided in the URL:

[mac-address]: The MAC Address of the unit, this is a hexadecimal string. It can contain the following: numbers 0 to 9, characters A to F and a colon (:) separator if desired (but not required).

i.e: 00:1d:c9:00:00:00 or 001dc9000000

[command-string] (optional): These are a comma separated string of the following available commands and are not case sensitive.

Available commands:

ON	Turns unit on
OFF	Turns unit off
AUTO	Sets mode to Auto
HEAT	Sets mode to Heat
COOL	Sets mode to Cool
FAN	Sets mode to Fan
DRY	Sets mode to Dry
FAN0	Sets fan speed to Auto
FAN1	Sets fan speed to Low
FAN2	Sets fan speed to Low-Medium
FAN3	Sets fan speed to Medium
FAN4	Sets fan speed to Medium-High
FAN5	Sets fan speed to High
TEMP00	Sets the temperature to a number i.e. TEMP18 = 18°C

Auto return back to your app (iOS only)

The *melview* URL scheme also supports returning back to your app, this is only supported in iOS.

A URL to send commands to a unit and return takes the following structure:

> melview://unit/[mac-address]/[command-string]?r=[your-apps-url-scheme]/[any-string]
> melview://unit/001dc9000000/on,cool,temp18?r=myhomecontrol://hvac

The following parameters can be provided in the URL:

[your-apps-url-scheme]: This is the app you wish to be sending commands from

[any-string] (optional): Any string you require.

The Wi-Fi Control app will return the following URL:

If you send melview://unit/001dc9000000/on,cool,temp18?r=myhomecontrol://hvac we will return:

> [your-apps-url-scheme][any-string]/melview/unit/[mac-address]/[status-string]
> myhomecontrol://hvac/melview/unit/001dc9000000/on,cool,temp18,roomtemp22,fan3

[mac-address]: The MAC address of the unit you sent:

[status-string]: This string can have the following four possibilities:

Status replies:

ON,MODE,TEMP00,ROOMTEMP00,FAN0	Unit is On. MODE = AUTO or HEAT or COOL or FAN or DRY. FAN0 = FAN0 (auto), FAN1 (low), FAN2 (low-med), FAN3 (med), FAN4 (med-high), FAN5 (high). TEMP00 = Set temperature of the unit as a number in °C. ROOMTEMP00 = Room temperature as a number in °C.
OFF	Unit is Off
STANDBY	Unit is in Standby Mode
FAULT:STRING	FAULT:STRING = Unit has a fault and will display the fault.