



Reference: <https://www.advantageair.com.au/wp-content/uploads/2019/10/MyAir-and-MyAir-User-Manual-v3.3.pdf>

1 - DISCLAIMER

1.1 - The TIG Advantage Air MyAir and MyAir+ Extension Driver is designed for integration with fully commissioned air conditioning (AC) systems. It requires that AC systems, zones, and sensors have been predefined and that the MyAir or MyAir+ room controllers are properly set up. For this driver to function, it is essential that your smart devices equipped with the MyPlace App are connected to the network and commissioned with a static IP address. If these conditions are not met, the driver will not operate. Please ensure to follow the detailed configuration steps provided. This driver operates automatically, managing AC, Zone, and MyZone power, as well as controlling the air conditioning fan, zone airflow, and MyZone protection cases.

1.2 SUPPORTED FEATURES IN THIS VERSION:

This driver supports MyAir and MyAir+ systems, enabling control over AC power, temperature, and fan speed across up to four AC units (AC1 to AC4), each with the capacity to manage up to ten zones. The main AC unit can be operated independently when no zones are set. The driver will also ensure MyPlace zones remain safeguarded in terms of airflow and power conditions. To enhance energy efficiency, the units will automatically power off when all zones are deactivated and will resume operation when any zone is activated, thereby conserving energy.



Smart Air Conditioning



Smart Air Conditioning
for systems with multiple
aircon units

1.3 - HARDWARE REQUIRED:

Crestron series 4 family home processor: MC4-R / CP4-R / DIN-AP4-R

MyAir and MyAir+ commissioned systems with Dedicated room controller

1.4 - SOFTWARE REQUIRED:

Crestron Home OS 3 / OS 4 or later

TIG_HVAC_AdvantageAir_MyAirPlus_TCPIP Extension Driver

1.5 - NETWORK TOPOLOGY:

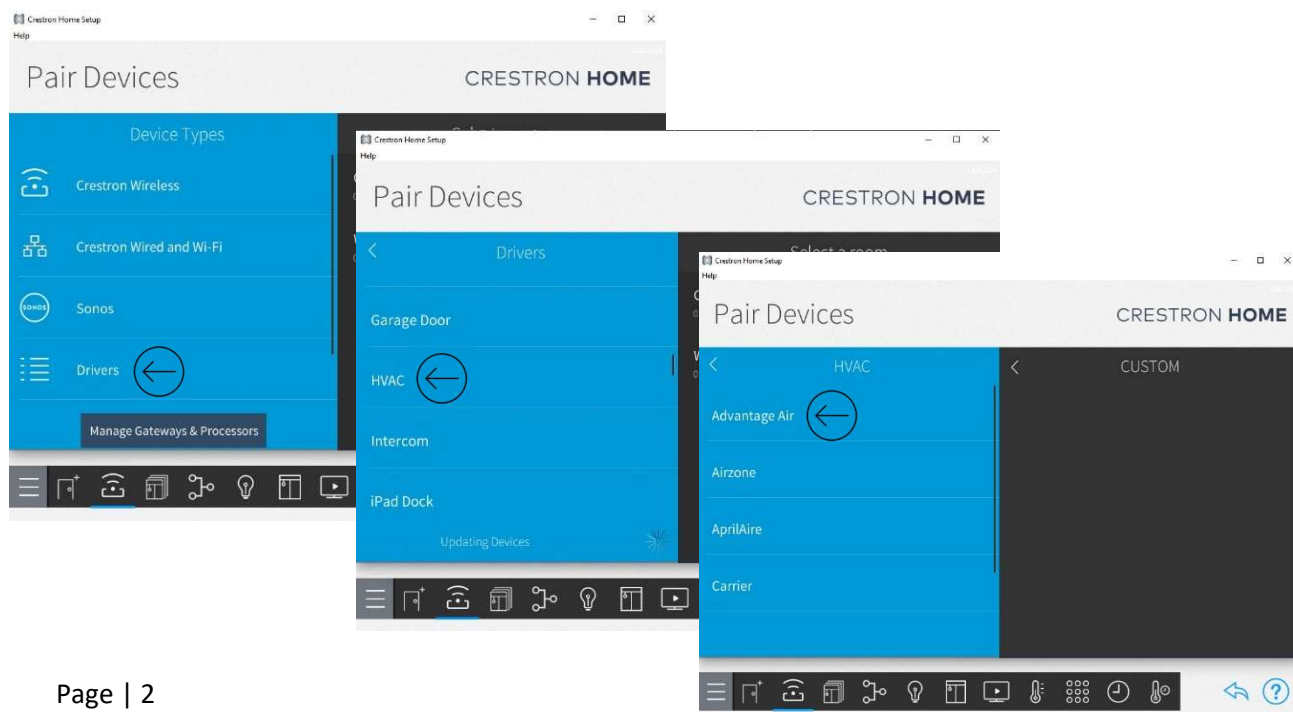
The Crestron Home processor, along with the MyAir and MyAir+ MyPlace Tablet/Room controllers, **must be configured with a Static IP** in the same IP network range. This can be done by reserving the MyAir Tablet as this functions as the server as well, in case of multiple MyAir Tablets, each should be set to static and configured accordingly to control each Main AC and the zones in the AC. Additionally, ensure that port 2025 is permitted through the network firewall to facilitate necessary communications.



2.0 - ADDING THE ADVANTAGE AIR HVAC EXTENSION TO CH

The ADVANTAGE AIR extension will be found under the following location on the CH configurator software:

Device Types > Drivers > HVAC > Advantage Air



2.1 - CONFIGURING THE ADVANTAGE AIR HVAC EXTENSION

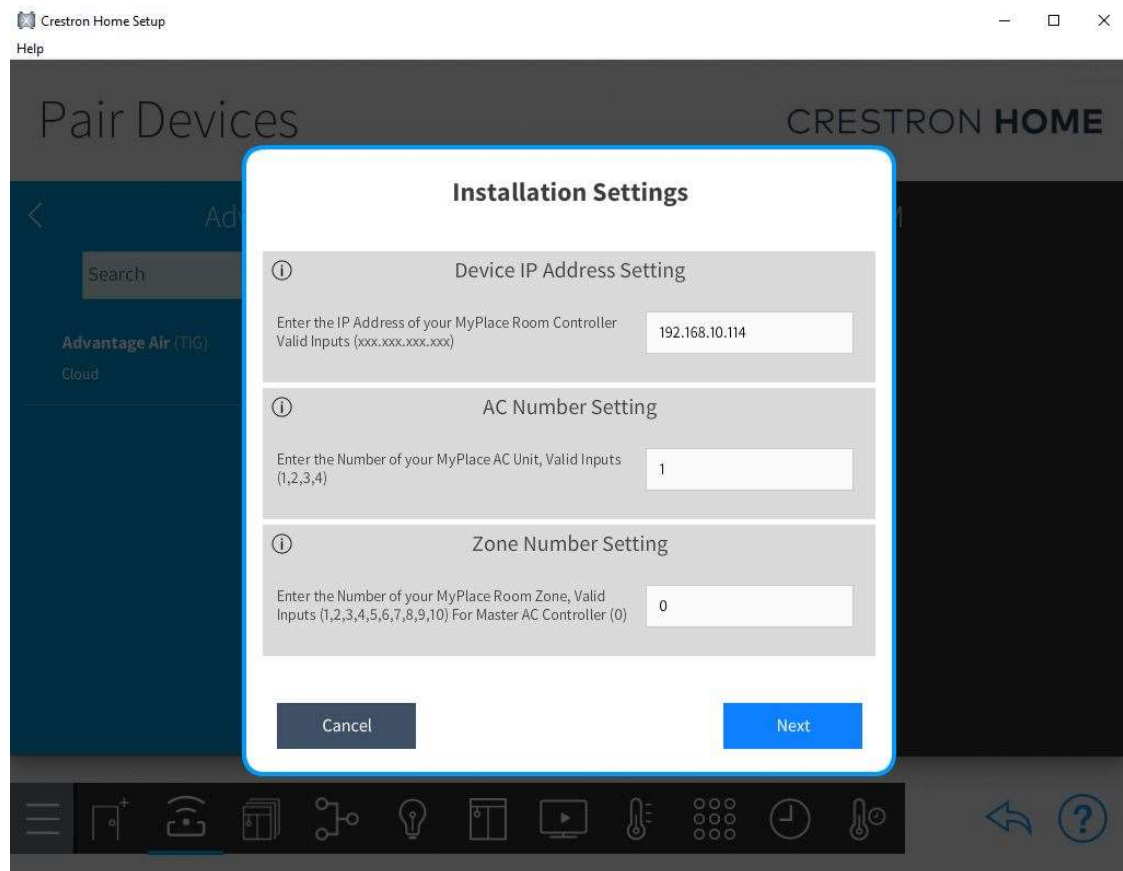
Upon installing the driver, you will be prompted to enter the IP address of your MyAir or MyAir+ Tablet. Please refer to the provided table for configuration details. Once configured, all settings, including Auto AC and Zone Power management, Set Temperature, Airflow, and Working Mode, will be automatically adjusted according to the specified parameters.

MAIN AC CONFIGURATION

➔ AC and Zone Parameter Settings:

- Set the AC Parameter from 1 to 4.
- Set the Zone Parameter to 0.

This configuration will control the main AC unit only. You can adjust the power states, set the temperature, and modify the fan speed directly via the Crestron Home user interface. The system will automatically adjust for heating, cooling, and ventilation to maintain stable conditions.



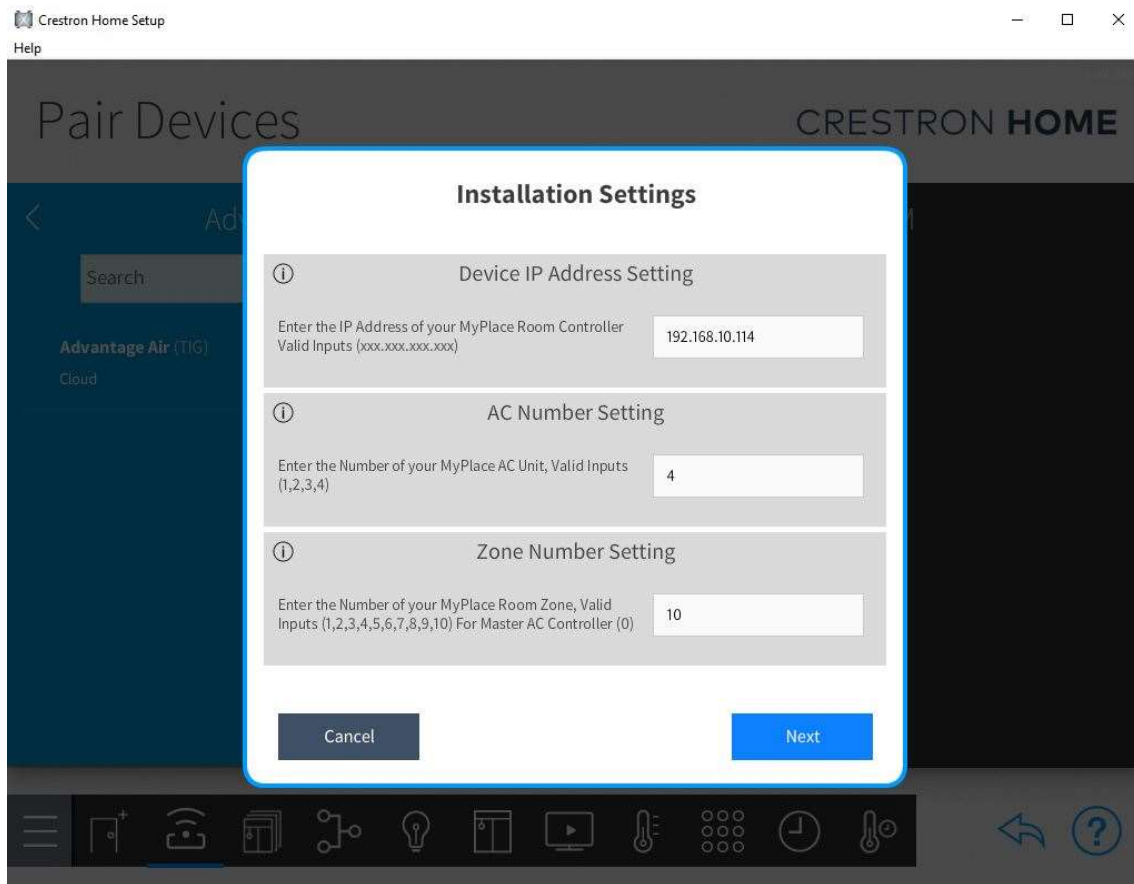
ZONE CONFIGURATION

➔ AC and Zone Parameter Settings:

- Set the AC Parameter from 1 to 4.
- Set the Zone Parameter to correspond to the specific zone you wish to control (1-10).



This configuration will enable control of the respective zone only. You can adjust the power states, set temperature, and airflow directly via the Crestron Home user interface. The system will not automatically make adjustments, including switching to heating, cooling, or off, to maintain stable conditions.



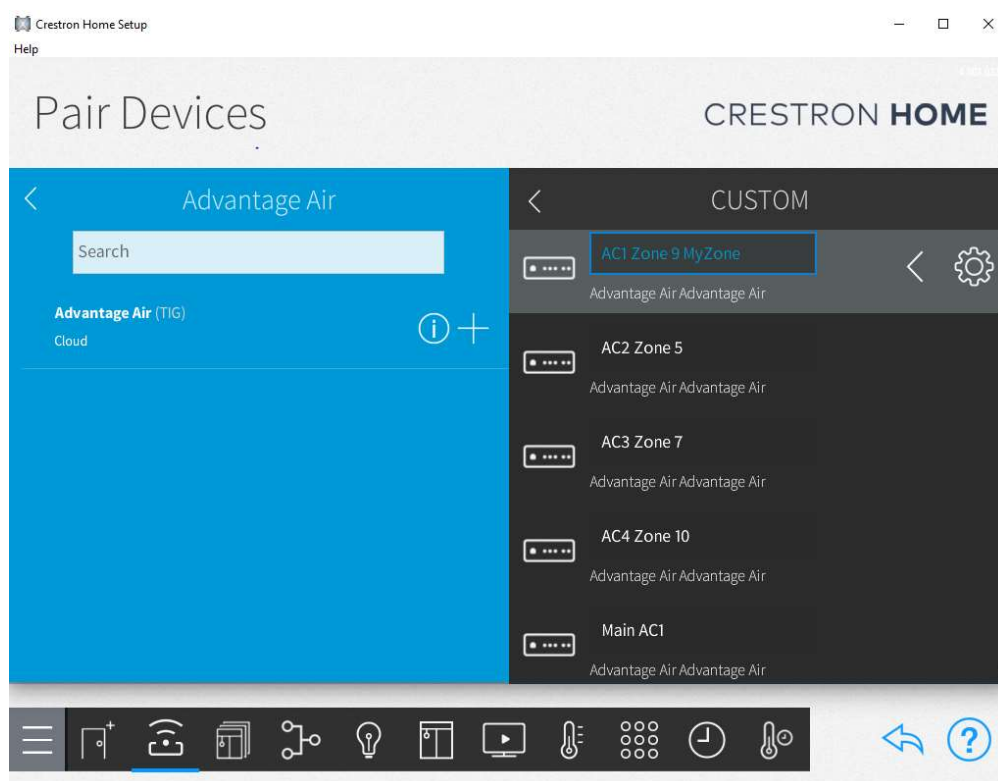
MYZONE CONFIGURATION

All adjustments must be made using the MyAir+ application. Once changes are input, the data will automatically update the parameters within the driver to accommodate Zone Protection features, including power management and airflow state adjustments.

HVAC State	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Power	Fan Speed	Set Temp	Airflow	Read Temp	Mode
AC1 Zones	☒		☒	☒	☒	☒	☒	☒	☒	☒	☒		☒	☒	☒	☒
AC2 Zones	☒	☒	☒		☒	☒	☒	☒	☒	☒	☒		☒	☒	☒	☒
AC3 Zones	☒	☒	☒	☒	☒	☒	☒		☒	☒	☒		☒	☒	☒	☒
AC4 Zones	☒	☒	☒	☒	☒	☒	☒	☒	☒		☒		☒	☒	☒	☒
AC1 Only											☒	☒	☒			☒
AC2 Only											☒	☒	☒			☒
AC3 Only											☒	☒	☒			☒
AC4 Only											☒	☒	☒			☒
AC 1 MyZone		☒									open		☒	100	☒	☒
AC 2 MyZone				☒							open		☒	100	☒	☒
AC 3 MyZone								☒			open		☒	100	☒	☒
AC 4 MyZone										☒	open		☒	100	☒	☒

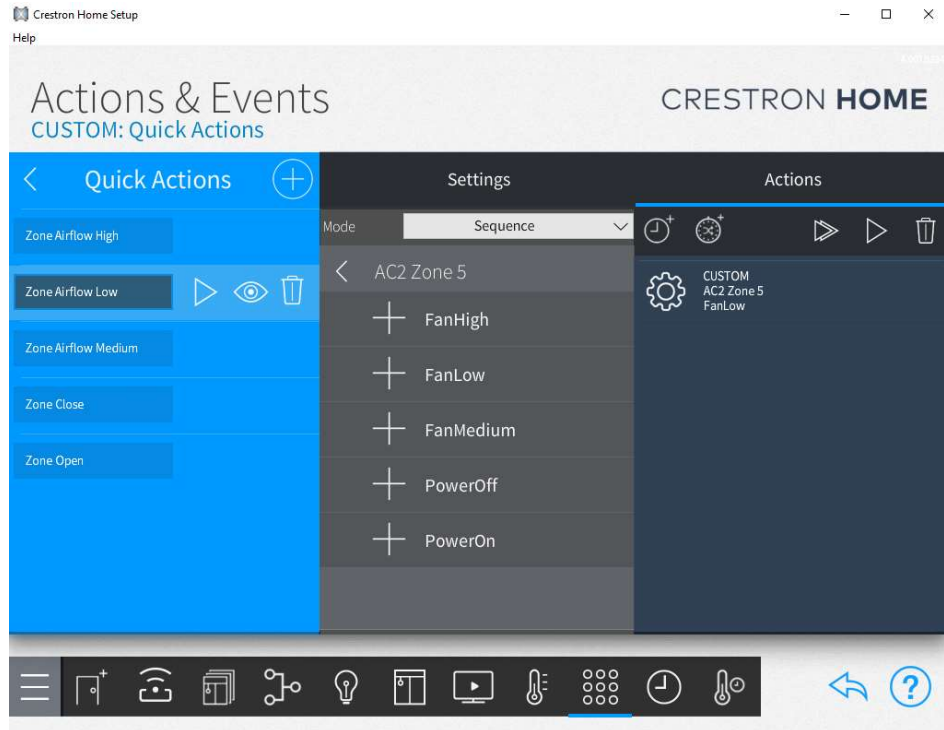
AC AND ZONE CONFIGURATION TABLE

The configurations listed below demonstrate various scenarios. The MyZone feature will be detected automatically, and adjustments will appear on the user interface accordingly.



EVENTS

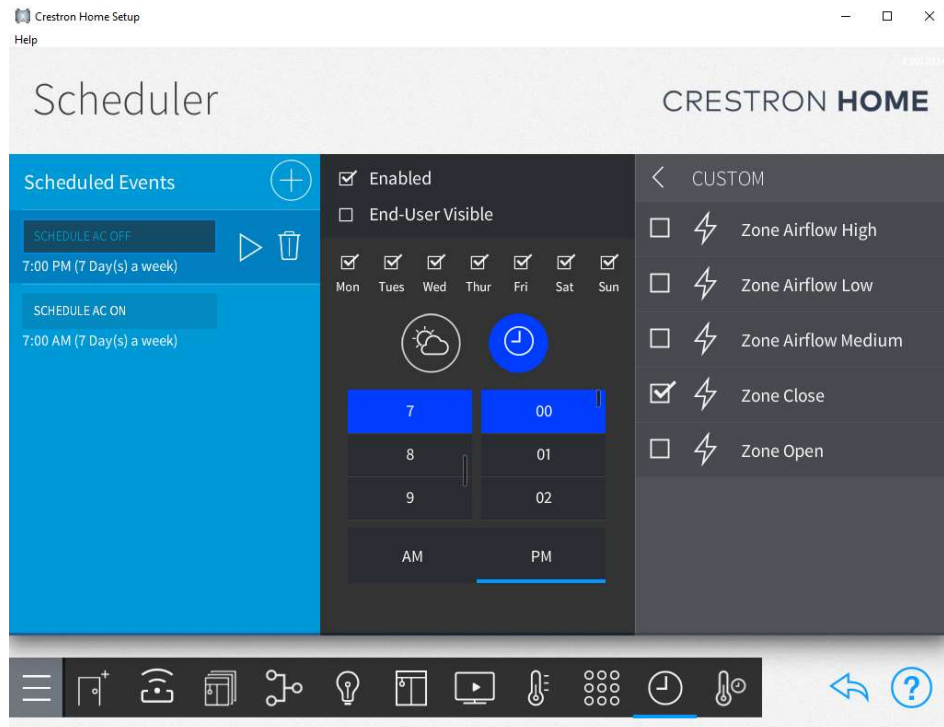
Quick actions can be configured to set airflow options and power states directly from the sequence of events outlined below. This allows for streamlined adjustments as needed from Keypads, UI and Sensor Triggers.



SCHEDULER

The scheduler can be used to set time of day actions.

To establish a time and day schedule for AC and Zone Power management and flow control refer to the example configuration.



DEBUGGING

The server should be visible from your browser:

Following the format and example to ensure the server is visible in case the driver does not dynamically update on the UI.

<http://xxx.xxx.xxx.xxx:2025/getSystemData>

If the server is visible from your browser and you are on the same IP range and Subnet, Ensure the “aircons” “ac1” “info” path is visible for your selected zone, if not visible ensure the MyAir or MyAir+ App have been configured with the selected zones, the driver functions from the data collected and will return data via a logger, if case all has been configured correctly, please gather the logs.

```

1 {
2   "aircons": {
3     "ac1": {
4       "info": {
5         "activationCodeStatus": "noCode",
6         "airconErrorCode": "",
7         "cbFWRevMajor": 9,
8         "cbFWRevMinor": 42,
9         "cbType": 1,
10        "climateControlModeIsRunning": false,
11        "constant1": 0,
12        "constant2": 0,
13        "constant3": 0,
14        "countDownToOff": 0,
15        "countDownToOn": 0,
16        "dbFWRevMajor": 17,
17        "dbFWRevMinor": 24,
18        "fan": "medium",
19        "filterCleanStatus": 0,
20        "freshAirStatus": "none",
21        "mode": "heat",
22        "myAutoModeCurrentSetMode": "cool",
23        "myAutoModeIsRunning": false,
24        "myZone": 9,
25        "name": "AC 1",
26        "noOfConstants": 0,
27        "noOfZones": 10,
28        "quietNightModeIsRunning": false,
29        "rffFWRevMajor": 4,
30        "rfSysID": 0,
31        "setTemp": 21,
32        "state": "on",
33        "uid": "fb907",
34        "unitType": 17
35      },
36      "zones": {
37        "z01": {
38          "error": 0,
39          "maxDamper": 100,
40          "measuredTemp": 23.7,
41          "minDamper": 0,
42          "motion": 0,
43          "motionConfig": 1,
44          "name": "Zone 1",
45          "number": 1,
46          "rssi": 80,
47          "sensorUid": "0192c1",
48          "setTemp": 29,
49          "state": "open",
50          "tempSensorClash": false,
51          "type": 1,
52          "value": 52
53        },
54        "z02": {
55          "error": 0,
56          "maxDamper": 100,
57          "measuredTemp": 20.3,
58          "minDamper": 0,

```

GATHERING LOGS

This function will be removed in the next release, if enabled.

Prompt the ENABLEPROGRAMCMD command in the home processor Command line, use the driver, state the error and send the log files.

RELEASE NOTES:

Version 1.0.0 – Initial Release

Features: AC and Zone Matrix with Basic Fan Control

Version 1.2.0 – Latest Release

New Features: Enhanced AC and Zone Matrix functionality, including:

Main AC and Zone Power conditions

Fan and airflow control conditions

Main AC Mode conditions: Vent, Cool, and Heat