



Reference: [Wall - Veton - Smart EV charger with exclusive design](#)

DISCLAIMER

1.1 - The TIG CHARX EV Integration Driver allows Crestron Home users to monitor and control EV charging parameters, including energy usage, charging status, and session tracking, all within the Crestron Home App.

1.2 SUPPORTED FEATURES IN THIS VERSION:

This driver supports viewing all readings from your meter. Users can track the charging status followed by the calculations for how many kilometers or miles have been added to the EV car's battery cycle, further information can be seen on the device used for charging the EV and control as enable, disable or set amperage can be triggered from within Crestron Home to control your charging cycles according to your home's available energy.

1.3 - HARDWARE REQUIRED:

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

1.4 - SOFTWARE REQUIRED:

Crestron Home OS 4 with accessibility to the CHARX Base Module.

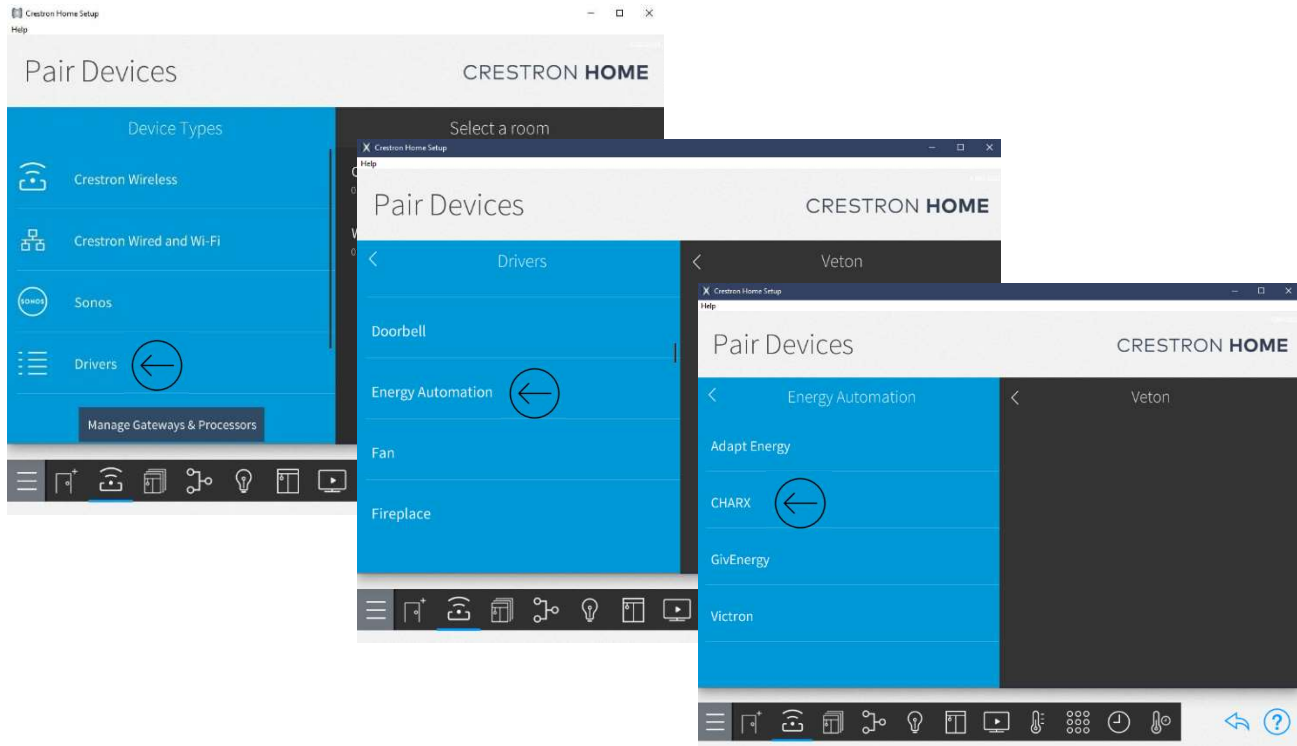
1.5 - NETWORK TOPOLOGY:

Ensure that **port 5555** is accessible from the Processor to facilitate necessary communications.

2.0 - ADDING THE CHARX ENERGY EXTENSION TO CH

The TIG CHARX EV Driver can be found in the following location on the CH configurator software:

Device Types > Drivers > Energy Automation > CHARX



2.1 - CONFIGURING CHARX

Upon installing the driver, you will be prompted to enter the IP address of the Base Module. Valid inputs should be within the IP range, such as "192.168.10.202". The tile will be available both in the home overview and in individual rooms. For the second 6 Digit GUID,

this can be found in the device status page on the CHARX Web UI.

You will require login and privileges to view this. Copy the GUID as seen on the Web UI with the IP address of the Base Module

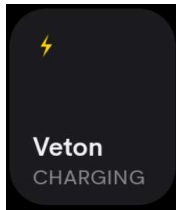
Installation Settings

① IP Address (x.x.x.x)	
Charx IP Address for Connection.	192.168.10.202
① 6 Digit Number (xxxxxx)	
Device Child Guid under Parent.	jyysc

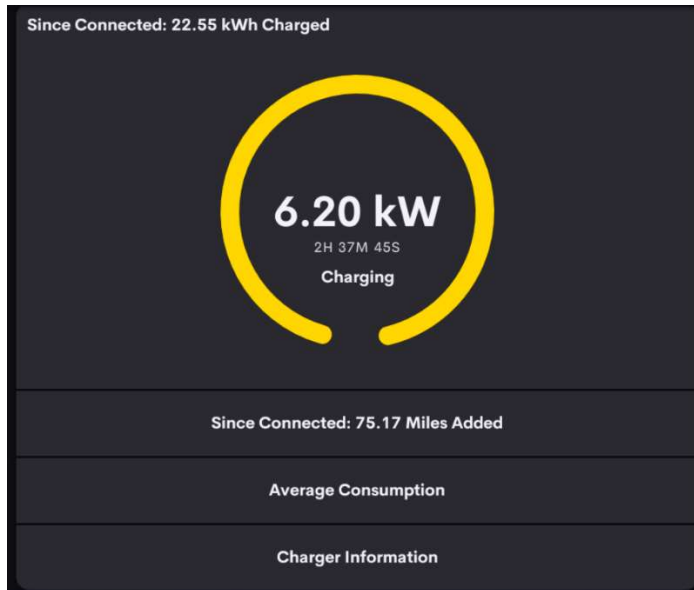
Cancel

Next

2.2 - ENERGY READINGS



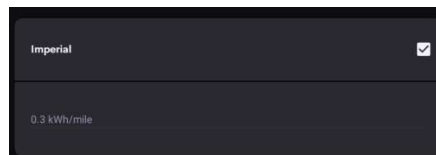
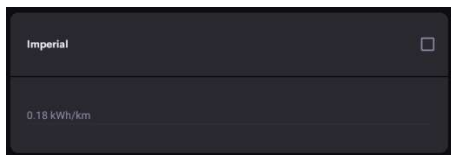
Depending on the
Device state, Charging
Idle or Offline will be
shown per color,
Text and status.



Setting the Average Consumption of your EV motor inside the driver will further adjust the calculations made for Kilometers or Miles added to the EV

Average Consumption

The below value is per default, and can be adjusted by your end user.



2.3 – DEVICE CHARGER INFORMATION

CHARGER INFORMATION		
Charx Simulated Ba...	VetonWall-101	T: 200.3°C
P# : 1	PUID : 5614b4	DUID : jvyssc
HW:	FW : 1.0.0	SN : SN-0001

2.3 – DEVICE GAUGE INFORMATION

GAUGE DATA		
6.55 kW	25.59 kWh	3h 10m 5s
L1 : 2.30A	L2 : 19.51A	L3 : 15.54A

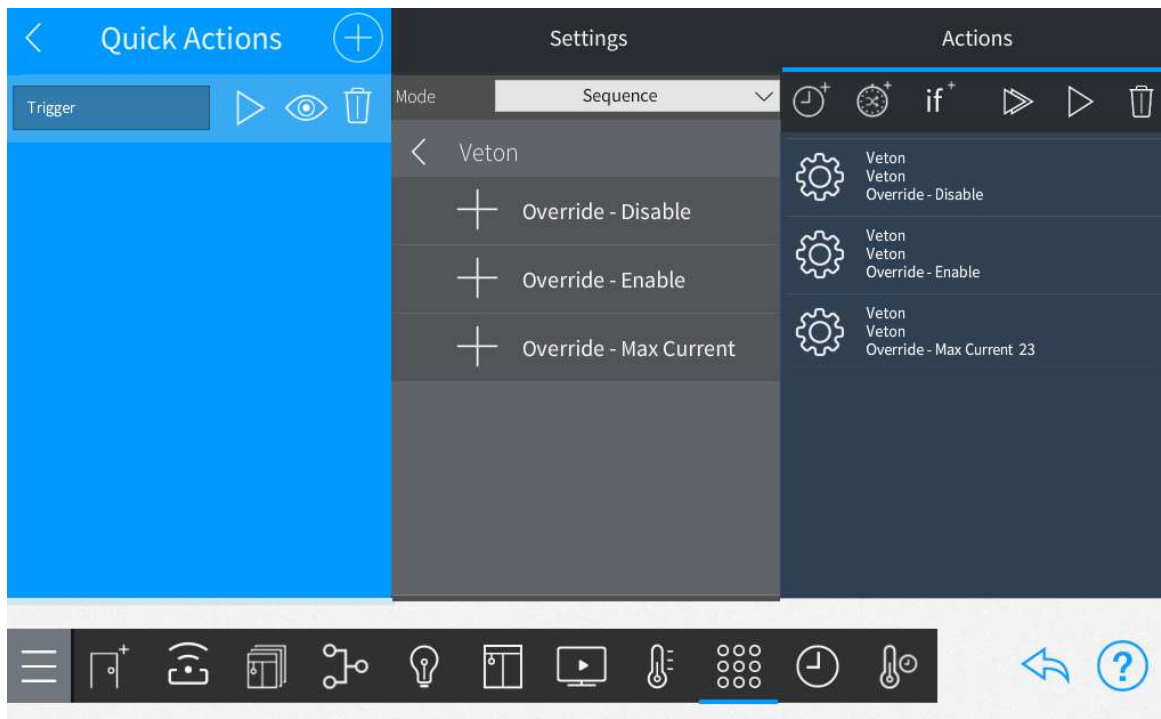
2.3 – DEVICE LOAD MANAGEMENT INFORMATION

LOAD MANAGEMENT
Maximum Current : 32 A
Watchdog Timer : 65535 (sec)
Max Current on Expired Watchdog : 6 A

2.4 – CH MANUAL OVERRIDES



Using Quick Actions, Chargers can be manually overridden, the setup for this can be seen in the functions below.



RELEASE NOTES:

Version 1.0.0 – Initial Release

Features:

Energy Usage Monitoring: View detailed energy consumption statistics directly within the Crestron Home App.

Charging Status Control: Monitor and control the status of your EV charging sessions.

Session Tracking: Keep track of individual charging sessions for better energy management and reporting.

Mileage Tracking: Displays real-time calculations of the mileage or kilometers added to your EV during an active charging.