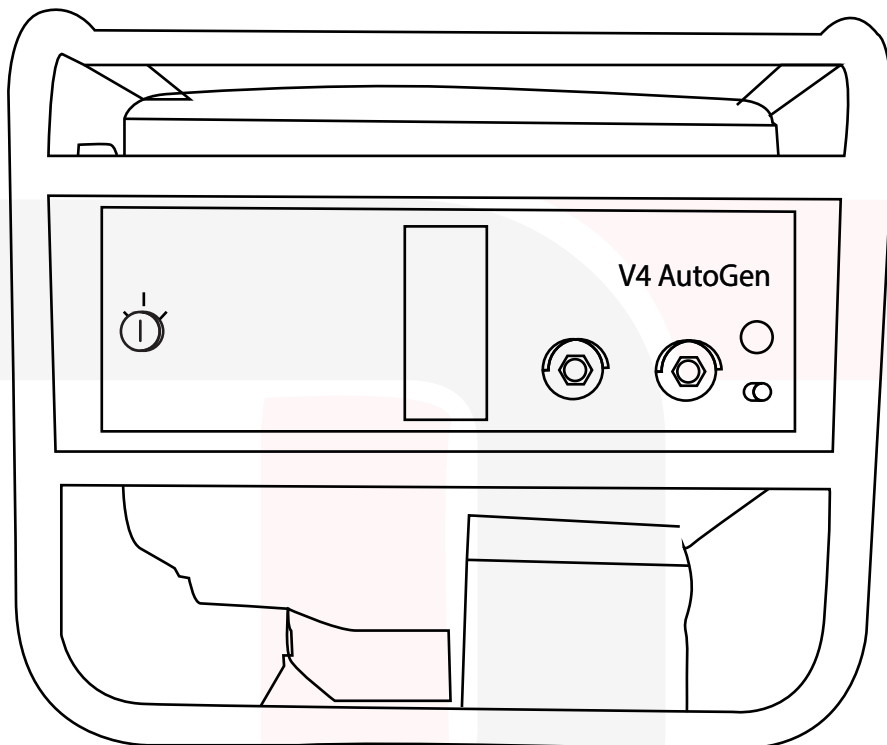




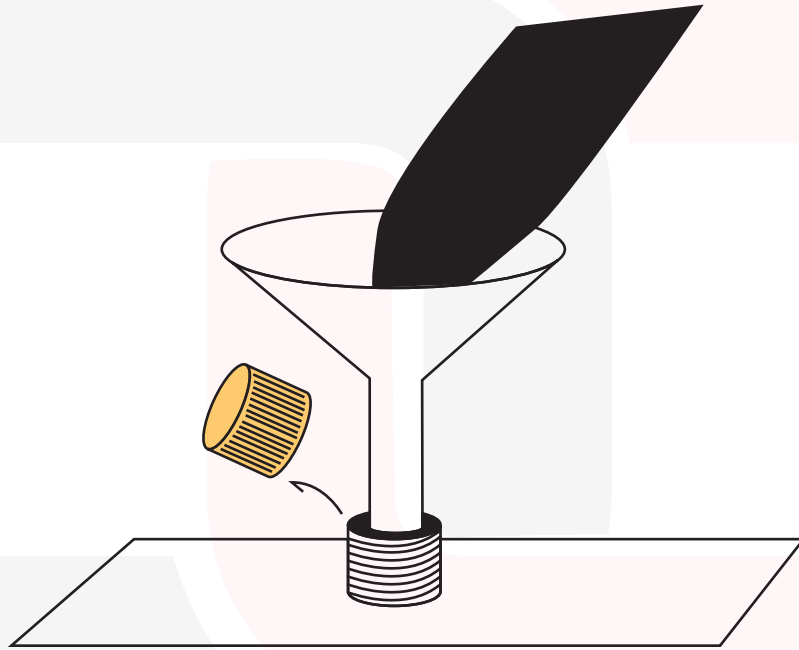
DC GENERATORS

Manual Notes V4 - 12/24/48v DC Generators

*** Please view all notes before starting your new V4 AutoGen Generator. ***



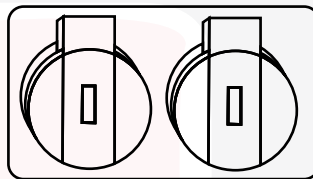
1



Add lubrication oil to crankcase by removing Yellow screw plug.
Above 32°F, use SAE 30. Below 40°F and down to -10°F, use 10W-30. Synthetic 5W-30 can be used in all temperatures. Oil should be changed after the first 20-30 hours of operation and every 100 hours of run time thereafter.

V4 AutoGen

24v DC Generator Charge



Auto Mode

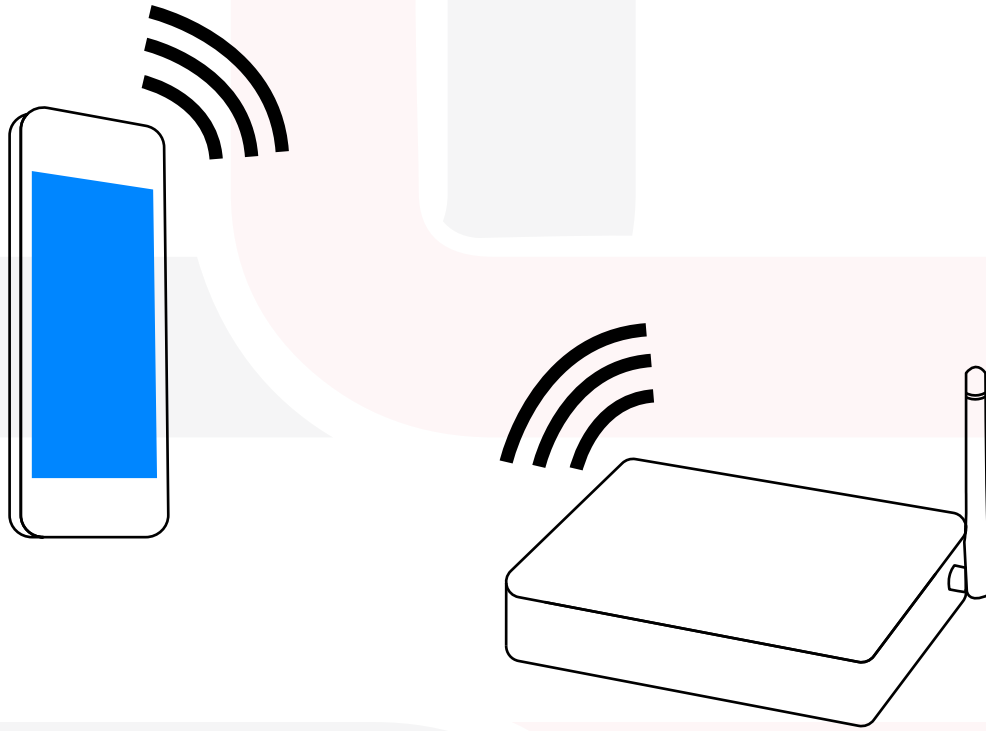


Remote Control

Connect battery bank positive and negative leads to front panel posts.
Note: If battery bank leads are not connected to front panel posts and the Remote Control Switch is turned on, the generator will attempt to start.

2

To connect V2 AutoGen 12V/24v/48V controller to the internet, follow the steps below



To connect V2 AutoGen 12V/24v/48V controller to the internet, you will need to provide an Access Point or Mobile Hotspot with SSID: **AutoGenV2** and password: **AutoGenV2**
Updates or uploading new parameters can only be done whilst connected to the internet.

3

To connect V2 AutoGen controller and link your unique QR Code to AutoGen app.

1. Download our app AutoGen .

For Android.

<https://dcautogen.com/android>

For IOS.

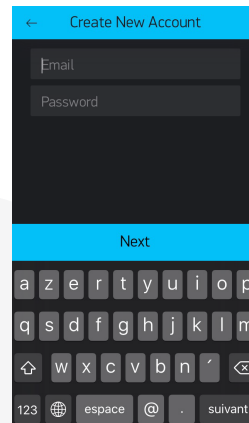
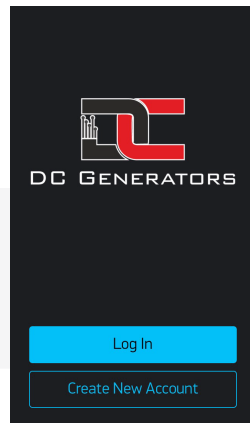
<https://dcautogen.com/ios>



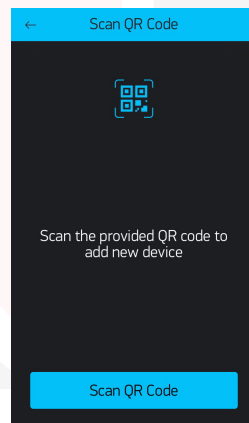
AutoGen

DOWNLOAD ↓

2. Create an account



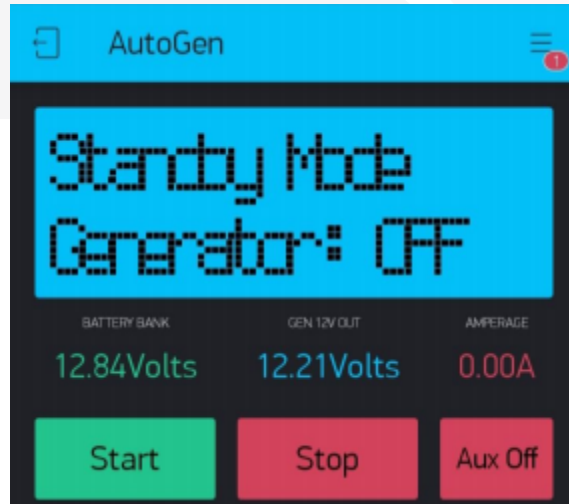
3. Scan the qr code placed under the AutoGen controller.



Please confirm you are able to view the monitor once you have completed this step.

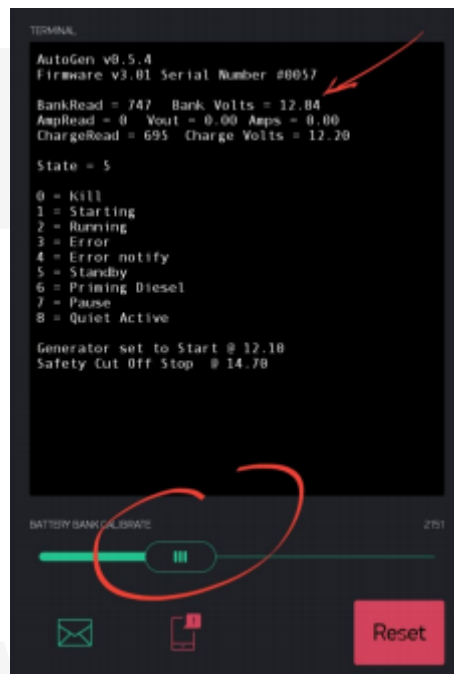
This is your monitoring software with remote start or stop.

4



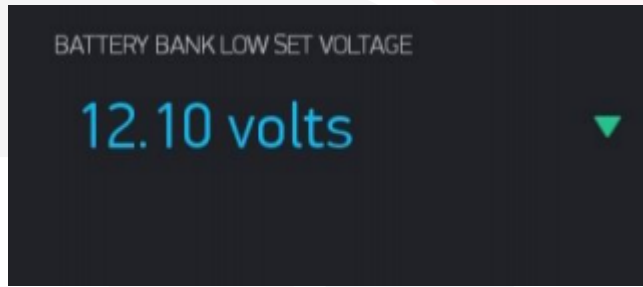
Note: If you notice a Red indicator on top right hand screen of app, review step 3 as this means that the controller is unable to access the internet.

Auto Start/Stop Mode



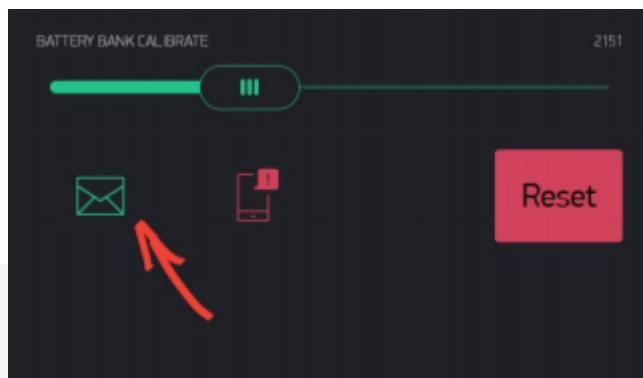
First step within the app is to scroll down to the bottom of the apps screen and adjust the battery bank calibrate slider as pictured below. Match the controllers Bank Volts with your other measuring equipment, multimeter etc.

5



Set your low battery bank voltage for when the generator should start. The V4 AutoGen controller will attempt to start the generator 3 times, for a 7sec period at each attempt, when battery bank has reached Low Set threshold from within the app.

Note: Any other alterations to preset values, please email us with your request so we can alter via an update.



If the generator fails to start due to a malfunction, no fuel or for any other reason preventing startup, the V4 controller will enter an Error State and send a notification via email to inform of a startup error. Press the Green mail icon and enter your email address to receive any error notifications

Controller must be reset(via app) or power cycled(remote control switch) after inspection to continue Auto Start/Stop Mode after an error state.

Note: If the V4 AutoGen is not connected to the internet, remote monitoring via app will be inaccessible, but will continue to operate in Auto Start/Stop mode.

Auto Mode Switch on front panel is a secondary fail safe to stop the generator if the battery bank volts has reached a higher than normal charge voltage. The value is preset from our factory.

Note: The extra failsafe will only be activated if the Auto Mode switch is turned On






6

Manual Start/Stop Mode

Manual start via the app can only be accomplished when controller is in a Standby State observed on the apps lcd panel and whilst V4 is connected to the internet.

Status LED Indicator

An RGB led can be observed through status hole on microcontroller. The colors, blinking and steady breathing patterns are as followed.

	Blinking GREEN : Searching for wifi connection
	Blinking CYAN : Attempting to connect to server
	Breathing CYAN : Connected to internet and serve
	Blinking MAGENTA : Updating firmware
	Breathing White : Not connected to Access Point

Only when Breathing **CYAN** can you access the monitoring app.

If there is no connection to internet or server, the V4 AutoGen Controller will continue to run in auto start/stop mode.

If you require any further assistance please do not hesitate to ask.