

The background is split diagonally from the top-left to the bottom-right. The upper-left portion is a solid red color, and the lower-right portion is black. In the top-right corner of the black area, there is a grey and black checkered flag pattern. The word 'APEX' is written in a bold, white, sans-serif font with a black outline, set against a black horizontal bar that tapers at both ends. To the right of this bar, the words 'SIM RACING' are written in a white, sans-serif font, with a registered trademark symbol (®) at the end. A thin red horizontal line is positioned directly beneath the 'SIM RACING' text.

**APEX** SIM RACING®

RACING DISPLAY/  
LED DEVICES

USER MANUAL

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# USB Connection/Setup

## 1. Install the newest version of Simhub

<https://www.apexsimracing.com/pages/user-manual>

## 2. Install Vocore Driver

<https://www.apexsimracing.com/pages/user-manual>

*\*follow this step for devices with a Screen Display*

## 3. LED Setup In Simhub

3a. Click Arduino tab in left column of Simhub

3b. Click My Hardware on top tab of Simhub

3c. Confirm that device is connected (may need to scan all serial ports)

The screenshot shows the Simhub software interface. The top bar indicates 'SIMHUB - RACING - GAME DISCONNECTED'. The main menu on the left includes 'Games', 'Car settings', 'Statistics', 'Dash Studio', 'Arduino', 'Shakert Wheel', 'Shakert Bass Shakers', 'Shakert Motors', 'Belt sensorizer', 'Custom serial devices', 'Ambient lights', 'Nestion display', 'Controllers', 'Ems Ferrari ACC Plug', 'iRacing Extras', 'Controls and events', 'Available properties', 'Additional plugins', 'Settings', and 'System log'. The 'Arduino' tab is selected in the left menu. The main content area shows 'My Hardware' selected at the top, with options for 'Arduino disabled', 'Single arduinos', and 'Multiple arduinos'. Below this, a message states 'Before using your arduino you must upload the sketch'. The 'SINGLE ARDUINO SETTINGS' section shows 'ApexSimRacing\_0731\_V1' as the selected device, which is marked as 'Connected'. The 'ARDUINO SCAN SETTINGS' section has 'Scan all serial ports' selected. The 'DEVICES SCAN' table lists two devices: '094457 COM14' (Connected) and '094457 COM1' (Unrecognized).

DEVICES SCAN	
094457 COM14	Connected
094457 COM1	Unrecognized

## 4. Import LED Profile into Simhub

LED profiles can be found at:

<https://www.apexsimracing.com/pages/user-manual>

4a. Click RGB LEDs tab on top tab of Simhub

4b. Click Profile Manager

4c. Click Import Profile and load the downloaded profile

The screenshot displays the Simhub software interface. At the top, the 'RGB LEDs' tab is selected and highlighted with a red circle. Below the tab, the 'Profile Manager' button is also highlighted with a red circle. The main area shows a list of LED effects and groups, including 'WHEN CAR IS PORSCHE 911 GT3R', 'EFFECT GROUP', 'CHANGE BRIGHTNESS TO 30%', and another 'EFFECT GROUP'. The interface includes a sidebar on the left with various settings and a top bar with 'Like', 'Reply', and 'Record' buttons.

Continued on next page...

SIMRAB - RACING - GAME DISCONNECTED

Live Reply Record

Arcimoto

Screens RGB Led 1M-633 Led RGB Matrix Display & Alerts Gauges Controls My Hardware

MANAGE YOUR RGB LEDS

Apex Sim Racing - GT3R Display 34 Led Profile 1.0

Profile manager Add profile Open

AVAILABLE PROFILES

- Any Game
  - Apex Sim Racing Flag
  - ApexSimRacingFreeLED
  - PCW\_M\_LED - 18 Eyebrow
  - ApexSimRacing\_PCWDDU
  - ApexSimRacing\_Predator
  - ApexSimRacing\_Predator\_Steering\_Wheel
  - SUPLODC - 18
  - ApexSimRacing\_GT3-DDU
  - PCW\_M\_LED - 18 Eyebrow - V2
  - Apex Sim Racing - GT3R Display 34 Led Profile 1.0
- iRacing
  - 20220723 Racing Yoop

NEW PROFILE [Icons] [5] [4c] LOAD CANCEL

WHEN CAR IS POSITIVE 5  
Racing Power 0% (0/0)

EFFECT GROUP  
All Car Group

CHANGE BRIGHTNESS TO  
0-2 Size (see adjust brightness)

EFFECT GROUP  
3 - 2 Display Led Group

100%

100%

100%

100%

## 5. Vocore LCD Display Setup

Dash Displays can be found at:

<https://www.apexsimracing.com/pages/user-manual>

To install, just double click the Simhub Dash file and it will auto-install into Simhub

## 6. Display Setup In Simhub

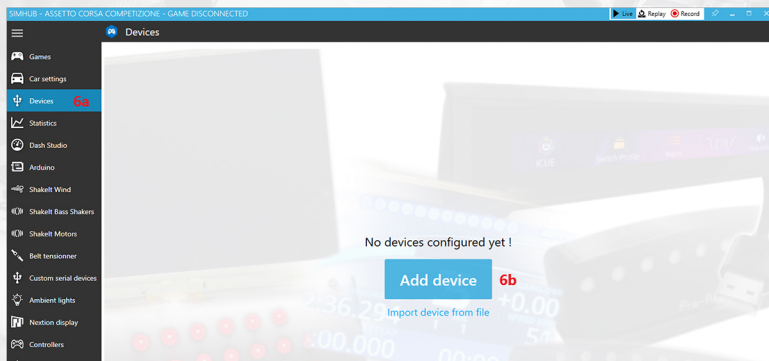
6a. Click Devices in left column of Simhub

6b. Click Add Device

6c. Select Generic Vocore Screen (4",4.3",5",6.8")

6d. Make sure slide switch is in top right corner

6e. Once Connected Select Desired Dashboard



Pick a supported device



AX206 screen (3.5")



Corsair Nexus



CubeControls F-PRO



Generic USB D480 Screen with touch



Generic USB D480 Screen without touch



Generic Vocore Screen (4", 4.3", 5", 6")



Grid by Simlab



Innato DDU



Innato GT30 Panel

Migrate legacy leds settings (built with simhub 8.1 and prior)

Ok

Cancel

SRM-HUB - ASSETTO CORSA COMPETIZIONE - GAME DISCONNECTED

Live Replay Record

Games  
Car settings  
Devices  
Statistics  
Dash Studio  
Arduino  
Shakelt Wind  
Shakelt Bass Shakers  
Shakelt Motors  
Belt tensioner  
Custom serial devices  
Ambient lights  
Nexion display  
Controllers  
Ensi Ferrum ACC Plugger  
racing Extras  
Controls and events  
Available properties  
Additional plugins  
Settings  
System log

Devices

Generic Vocore Screen (4"4.3"5"6.8")  
Generic Vocore Screen (4"4.3"5"6.8")  
+ Add new device  
Import device

Generic Vocore Screen (4"4.3"5"6.8")  
Delete device Remove device Export device settings

6d  Searching device...

LCD Controls

**Device not found yet, have you installed the driver? [Driver installation guide](#)**

General

Connect to specific screen  
Screen ID:

Portrait mode  
 Flip display (180°)

Enable touchscreen  
 Simplified touch mode (left/right page change)  
 Advanced touch mode (see defined dash inputs)

Main dashboard **6e**

Displayed dashboard  
AM-GS-DASH

Save/Restore last dashboard used by game/car (when car model is available)

Idle behaviour

Idle behaviour (when game is not running)  
 Power off  Idle dashboard

Save/Restore last idle dashboard used by game.  
[View help for controls](#)

Brightness

255 + -

SRM-HUB 0.1.1 | Status: Licensed | Listening UDP port 9000 [? Wiki](#) [Discord Server](#)



# Trouble Shooting

## **Device will not connect to Simhub**

Check device manager to see which port your devices are on and try to connect to that port via Simhub. Close Simhub and restart PC and try again.

## **Vocore screen will not connect**

Make sure you installed the Vocore driver and enabled the screen in Simhub.

## **LEDS will not work**

Make sure you imported the profile into Simhub and that they are turned on (slider tabs on right side of profile). You can use the LED test data editor in the RGB tab to test the LEDs outside of the game.

## **Need Help?**

If you run into any problems during the setup, please email us at [Support@apexsimracing.com](mailto:Support@apexsimracing.com)

Due to occasional improvements to our products, the product you receive may vary slightly from the product shown in the photos.

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