





BEFORE YOU START:

Thank you for your purchase. In this manual we will provide you with the means to get started using your new dash!

Dash SD43 LED

Features: 4.3" 480x272 Pixel color TFT LCD USBD 480 23 full RGB leds Up to 60 FPS 16 bit Colors USB Powered Multiple software options Drivers included



Mounting the dash is very easy thanks to the included mounting plate. With just 2 bolts (A5) you can mount it directly to your Fanatec base. For mounting onto a servo motor mount you can use the existing bolts with which the servo is mounted to a front mount or servo motor holder.

Mounting the dash

To be able to mount the dash on the hardware of your choice, we provide adapter plates. Which one you have will depend on your purchase and may different from the following one we show.

OSW/Simucube/VRS

Loosen the existing upper bolts which hold the motor in place. Simply slide the adapter plate over the exposed thread and tighten the bolts against the plate.

Note: the adapter plate for a Simucube Ultimate is sold separately.





Fanatec DD1/DD2/CSL

Locate the accesory mounting holes on your Fanatec hardware and use the two bolts (A4) and washers (A6) from our supplied hardware kit.

Fanatec CSW

Although the regular Fanatec adapter plate can be fitted, we prefer this one because it offsets the dash from the steering wheel.

Note: This plate is sold separately.





Installing drivers

To make the display part of the dash functional, specific drivers are needed. Drivers can be downloaded from the product page.

> <u>download drivers</u> <

Installation

To install the display drivers, run the downloaded package and follow these steps:

💮 USBD480 Setup		– 🗆 X	
Choose Components Choose which features of USBD480 you want to install.			
Check the components you wa install. Click Next to continue.	nt to install and uncheck the	components you don't want to	
Select components to install:	USED-480 drivers	Description Position your mouse over a component to see its description.	
Space required: 1000.0KB			
Nullsoft Install System v2,46			
		Next > Cancel	

Press 'Next'.

Specify the location where to install the drivers:

🌍 USBD480 Setup	-		×
Choose Install Location			NUMBER
Choose the folder in which to install USBD480.			J
Setup will install USBD480 in the following folder. To install in a differe and select another folder. Click Install to start the installation.	ent folder,	click Brow	se
Destination Folder	Bro	wse	
C:\Program Files (x86)\USBD480	Bro	wse	
Space required: 1000.0KB			
Space available: 092.7Gb			
Nullsoft Install System v2.46			

Press 'Install'.

After the loading bar is full and says 'Completed':



Press 'Close'. Installation of the display drivers is now done.

SimHub installation

To control the LEDs of the dash, Simhub can be used. Download the lastest version of Simhub from *https://simhubdash.com*

Installation

Unzip the downloaded file and run the setup file:



Press 'Next'.

Specify the location where to install the software:



Press 'Next'.

Make sure all options are checked:

🔂 Setup - SimHub	-		×
Select Additional Tasks Which additional tasks should be performed?			
Select the additional tasks you would like Setup to perform whil then click Next.	le installing S	imHub,	
Firewall exceptions:			
Add an exception to the Windows Firewall (required for Sir	mHub mobile	access)	
Additional shortcuts:			
Create a desktop shortcut			
Dependencies			
✓ Install Microsoft .Net and C++ redistribuables			
< <u>B</u> ack	<u>N</u> ext >	Ci	ancel

Press 'Next'.



Press 'Install'.



After installation press 'Finish'.

SimHub configuration

If you haven't connected the dash with the supplied USB cable to your computer, this is required from this point forward.

Activation

To use the display with SimHub, it needs to be enabled:

SIMHUB - AMERICAN TRUC	CK SIMULATOR - GAME DISCONNECTED	🕨 Live 🛕 Replay 💿 Record 🛛 🖈 💶 🗆 🗙
≡	Pash Studio	
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Car settings	AVAILABLE DASHBOARDS	Dash Studio also works in your browser or phone Open in browser Open in phone or tablet
∠ Statistics	Close all	New dashboard
🕐 Dash Studio 📘	Search name or text	X Only favorites
🖭 Arduino	LAST USED	
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(())) Shakelt Motors	ControlCenter	
(())) Shakelt Bass Shakers	Active restance of the second	
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Controls and events	AIM	
: Available properties		*
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🔅 Settings		
System log	AudiConcept	th auton III soone

Press 'Dash Studio' (1).

Press 'USBD480' (2).



In the 'Screen #1' section, check 'Enable display' (3). The 'Connected' indicator will appear on its right hand side. When the screen is connected, go back to 'Dashboards' (4).

Hover over the dashboard you want to display and select 'Start'.

SIM	HUB - AMERICAN TRUG	CK SIMULATOR - GAME DISCONNECTED	🕨 Live 🛕 Replay 💿 Record 🔗 💶 🗆 🗙
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A	Car settings	AVAILABLE DASHBOARDS	Dash Studio also works in your browser or phone Open in browser Open in phone or tablet
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	Arduino	LAST USED 5	
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NOTE: Importing or changing dash profiles is not part of this document. For more information on that topic, please see the SimHub documentation.

Controlling the LEDs

A sample LED profile can be downloaded from the product page.

> <u>download led profile</u> <

To enable or adjust LEDs, navigate back to the 'USBD480' page in 'Dash Studio'. You may also refer to Pages 5/6 of this document.



Check the 'SIMLAB DASH 2.0' module (1). A 'Connected' indicator will appear to confirm the connection. Press 'Profiles manager' (2) to import the profile.

Click on the import profile icon (3).

AVAILABLE PROFILES	
🔿 🔯 Any Game	
Default Profile	
NEW PROFILE 🗶 🗭 💼 🛃 🕒	

Browse to the location where you stored the LED profile, select it and press 'Open'.

AVAILABLE PROFILES	
Any Game	
Default Profile	
SD43-LED	
NEW PROFILE	4 LOAD CANCEL

The load the profile, make sure it is selected (SD43-LED) and press 'Load' (4).

Bill of materials

Changing the LEDs' functions.

To change the LED effects you need to know the LED numbering of the dash. The numbering starts at the bottom left and continues clockwise to the bottom right. See the image below for reference:



There should be enough info in the sample profile to be able to adjust to your liking. Just keep in mind, you mostly need two values. The number of the LED where you want an effect to start, and the amount of LEDs to use for said effect (in a clockwise direction).

For further assistance and more information on effects, please see the SimHub documentation.

IN THE BOX			
#	Part	QTY	Note
A1	Dash SD43-LED	1	
A2	USB B Cable	1	
A3	Adapter plate Fanatec	1	Fits all Fanatec hardware.
A4	Adapter OSW/SC/VRS	1	
A5	Bolt M6 X 10 DIN 912	2	Used with Fanatec.
A6	Bolt M5 X 10 DIN 7380	4	To fit adapter plate to dash.
A7	Washer M6 DIN 125-A	4	
A8	Washer M5 DIN 125-A	4	
Disclaimer: for some entries on this list, we supply more than required as spare materials. Don't worry if you have some leftovers, this is intentional.			

If you still have some questions regarding assembly of this product or about the manual itself, please refer to our support department. They can be reached at

support@sim-lab.eu

Alternatively, we now have a Discord server where there are quite some experienced Sim-Lab customers hanging out. They might just help you along if you ask them nicely ;)

www.sim-lab.eu/discord

If you feel like printing this manual, please consider the environment before doing so. For the best results, make sure you print at 100% scale without borders.

Product page on the Sim-Lab website:

