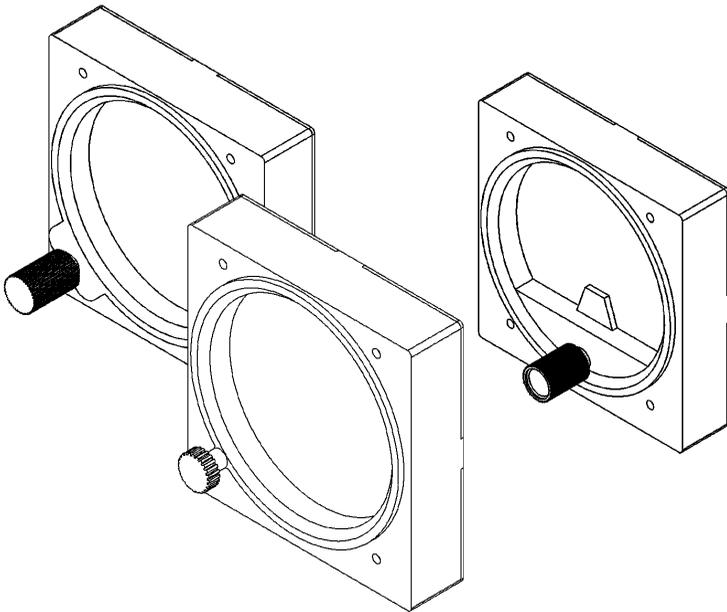


# SHMG01

## User Manual



Version 1.0  
Oct 9<sup>th</sup> 2023  
SIMiONIC

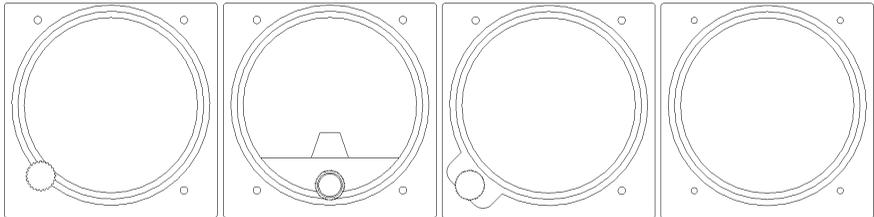


# Overview

Thanks for choosing products from SIMiONIC. We strive to provide the most realistic hardware with best quality for the use of flight simulations.

This manual includes the spec and usage of the modular gauge which is supposed to be used on flight simulators. The gauge is capable of simulating one of the following gauges: airspeed indicator, attitude indicator, altimeter, slip/skid indicator and turn coordinator, heading indicator, vertical speed indicator. All the gauges are Cessna style.

# Unpacking



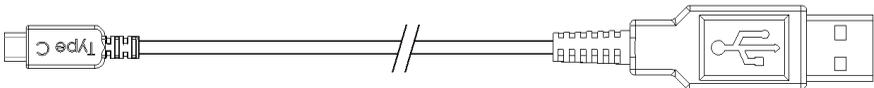
Airspeed indicator

Attitude indicator

Altimeter.

Slip ind. or VSI

The gauge, one of the above based on your purchase

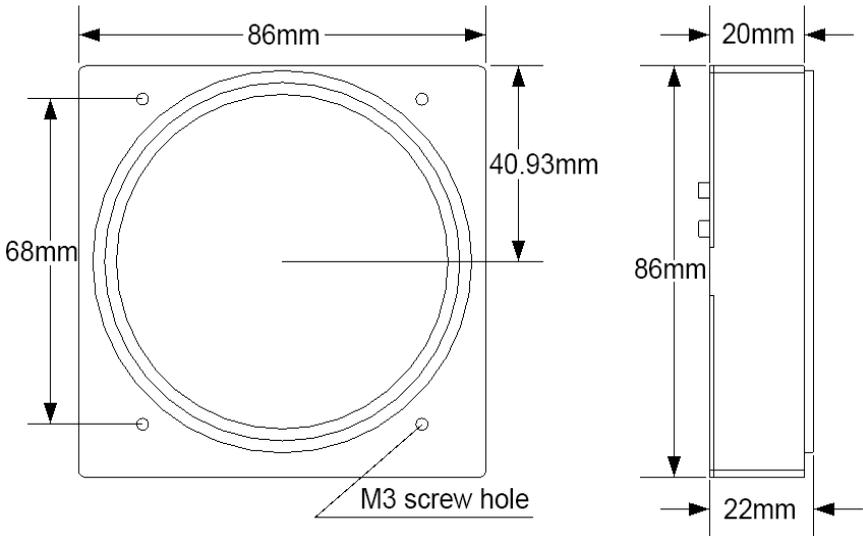


USB-C Cable

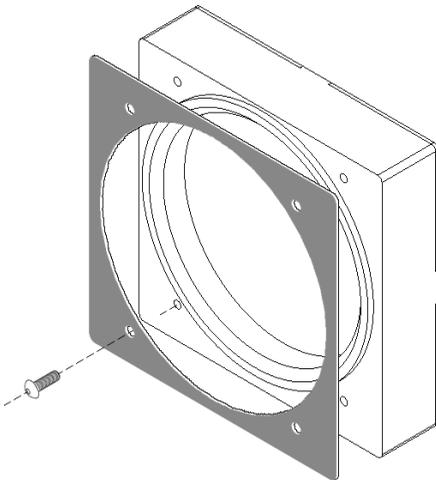


485 data cable

## Dimensions



## Mounting instructions



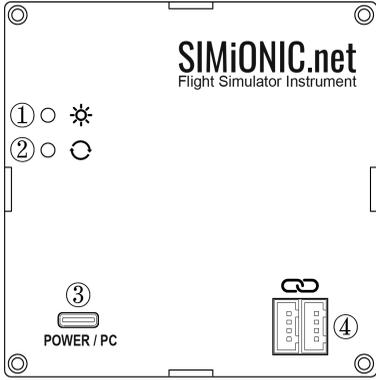
Screw hole maximum depth:  
6mm

### CAUTION:

Screw in more than 6mm  
may penetrate the LCD  
screen on the back

Cutout for each gauge is  
available as a DXF file on our  
website

# Backside overview

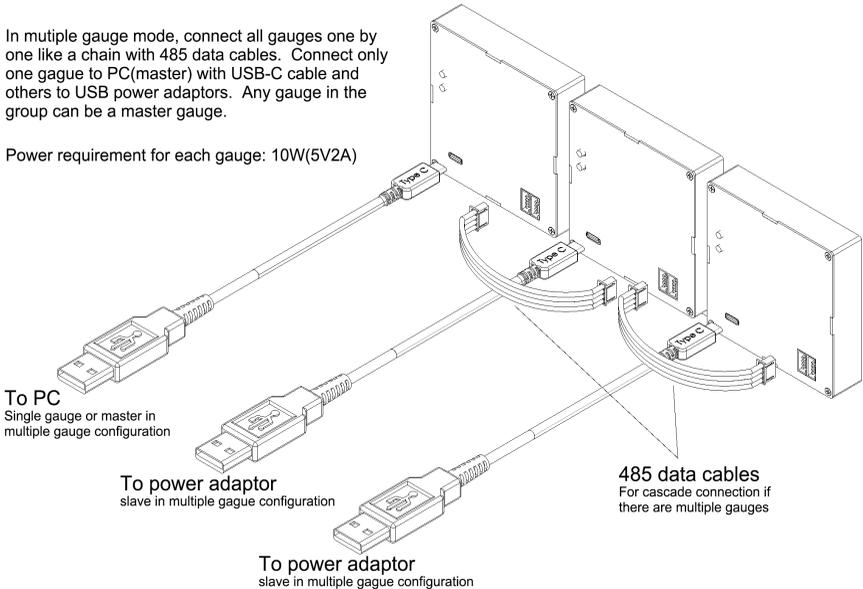


- ① Brightness adjustment button (brightness is also adjustable through PC when connected)
- ② Gauge switch button, switches between different gauges available (airspeed indicator, altimeter, etc.)
- ③ USB-C port, connect PC (single gauge or master in multiple gauge configuration) or power adaptor (slave in multiple gauge configuration)
- ④ 485 ports for cascade connection (multiple gauge configuration)

# Connections

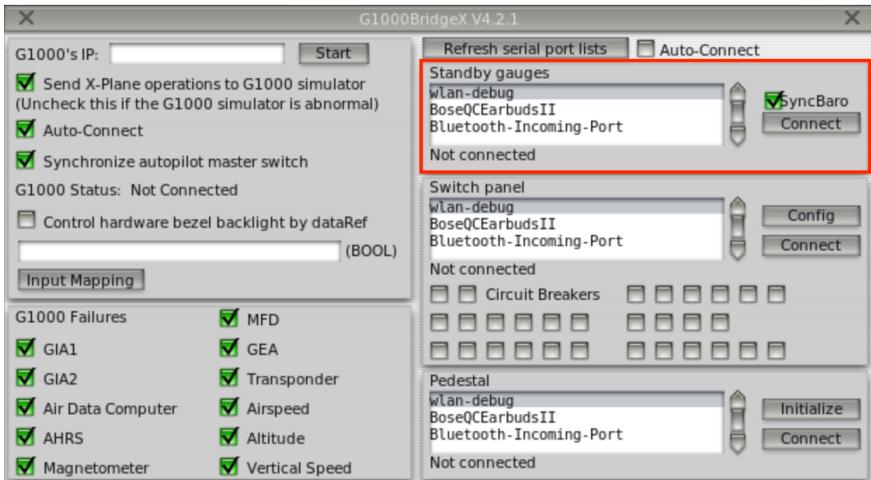
In multiple gauge mode, connect all gauges one by one like a chain with 485 data cables. Connect only one gauge to PC(master) with USB-C cable and others to USB power adaptors. Any gauge in the group can be a master gauge.

Power requirement for each gauge: 10W(5V2A)



# Software configuration

1. Download the driver for FT232RL on our download page and install it on Windows if the serial port is not recognized in the system.
2. Download G1000Bridge if you use MSFS or G1000BridgeX plugin if you use X-Plane.
3. Give the gauges sometime to start up when power is applied.
4. Open G1000Bridge with or without MSFS running or G1000BridgeX in X-Plane.
5. The gauge(group) should now be listed as a serial port in the bridge.
6. Select the corresponding serial port in the list for the standby gauges and click button “Connect” button to connect.



## **Airspeed indicator customization**

The airspeed indicator is capable for customization. We will post a video explaining how to do that. For the time being, please send an email to [lichenpo@hotmail.com](mailto:lichenpo@hotmail.com) to get the instructions of how to customize the airspeed indicator.

## Limited Warranty

- 1. The product is covered by a 1 year limited warranty from the date of purchase, against any defects in materials or workmanship.*
- 2. This limited warranty does not cover any damage, deterioration or malfunction resulting from any improper use.*
- 3. We will repair the product using either new or refurbished replacement parts.*
- 4. To obtain warranty service, you must first contact us to determine the problem and the most appropriate solution for you.*
- 5. Shipping costs for products returned for warranty are never included in the warranty. Shipping towards us as well as shipping from us towards the client shall be paid by the client. We may require pre-payment of return shipping costs in advanced by bank prepayment or other type of payment.*

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