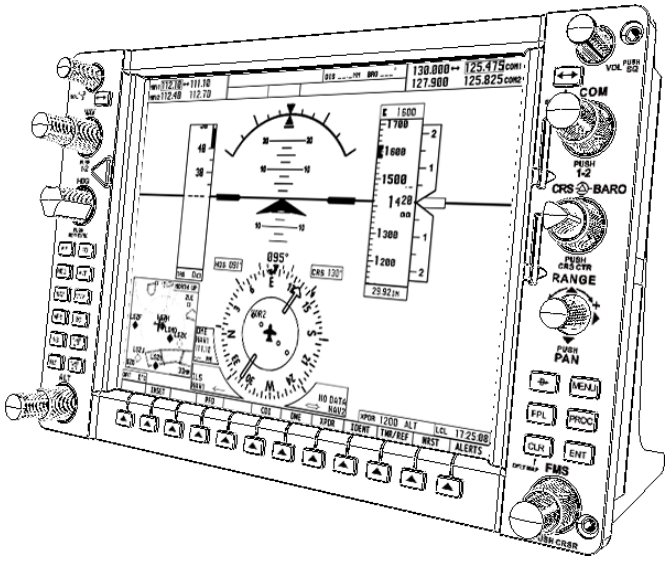
SHB1000
User Manual



Version 1.5
Dec 20th , 2019
SIMiONIC

Thank You!

Thank you for choosing SIMiONIC product. This SHB1000 is a duplication of the Garmin G1000 bezel working with the PFD or MFD app presented by SIMiONIC which runs on iPads. If you haven't downloaded the apps yet, scan the QR codes below to download them from App Store.

PFD

MFD

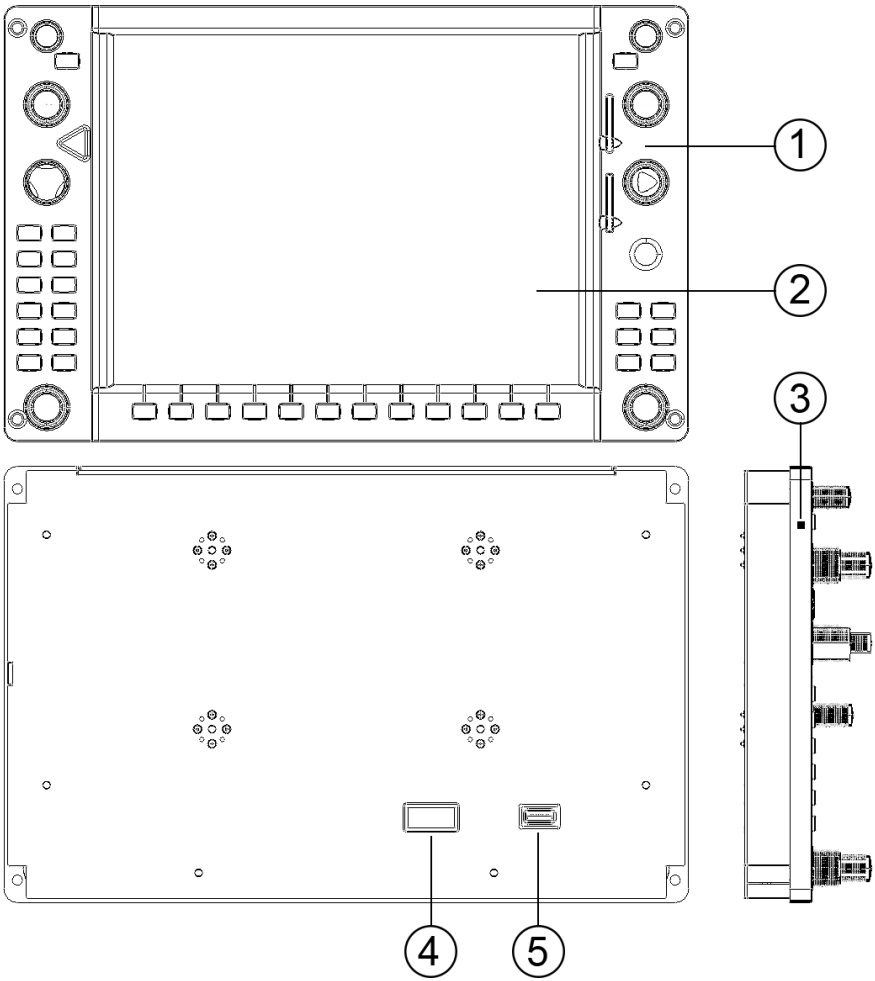
Supported iPad:

Dimension: 240 x 169.5 x 7.5 mm (9.4 x 6.6 x 0.29 in)
240 x 169.5 x 6.1 mm (9.4 x 6.6 x 0.24 in)

Type: iPad 6 (2018)
iPad 5 (2017)
9.7" iPad Pro
iPad Air 2
iPad Air

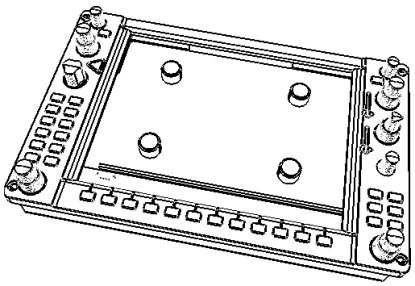
At the time when we last update this manual, all the iPad models above are discontinued by Apple

Overview

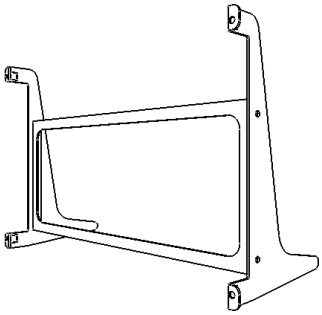


1. Bezel
2. iPad(not included)
3. Power/Bluetooth indicator
4. Extension Port
5. USB power input

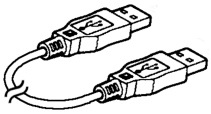
Unpacking



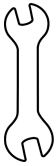
SHB1000



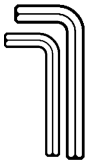
Bezel stand (3 parts)



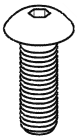
USB cable



5.5 x 7mm
double end-open
wrench



Hex keys
2.0mm & 2.5mm



M3 x 6mm
hex socket button
head screw x 4

M3 hex nut x 4

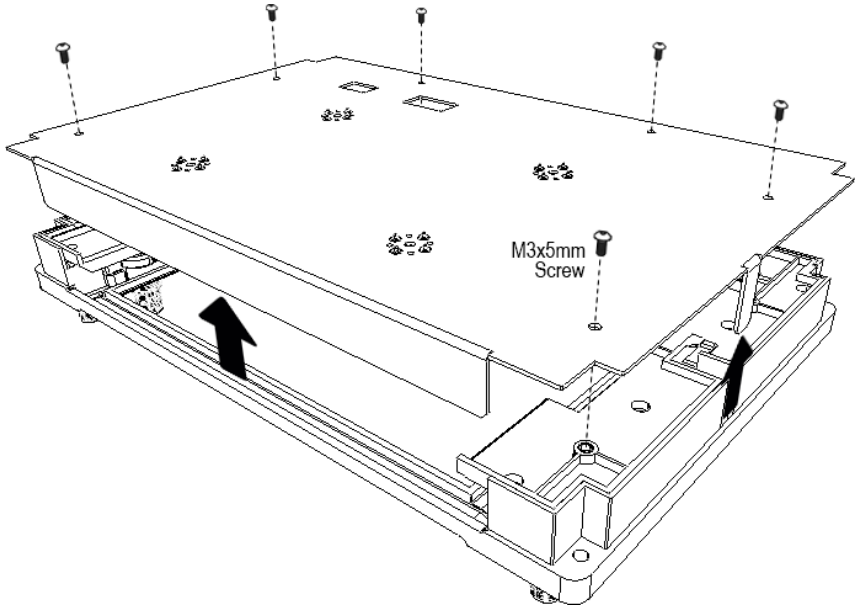
Prepare your iPad

When the iPad is mounted in the bezel, you cannot reach any buttons on the iPad any more. Before doing that, it's recommended to set your iPad as below:

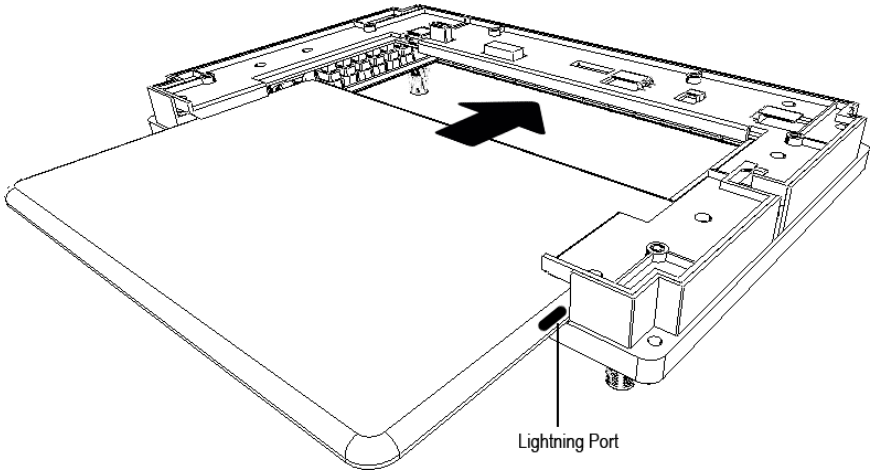
1. Enable Multitasking Gestures
2. Enable "Hey Siri"
3. Enable "Assistive Touch"(Not necessary, but it provides the easiest way to access such features, in exchange, you will have a virtual button showing on the screen all the time)

Assembling

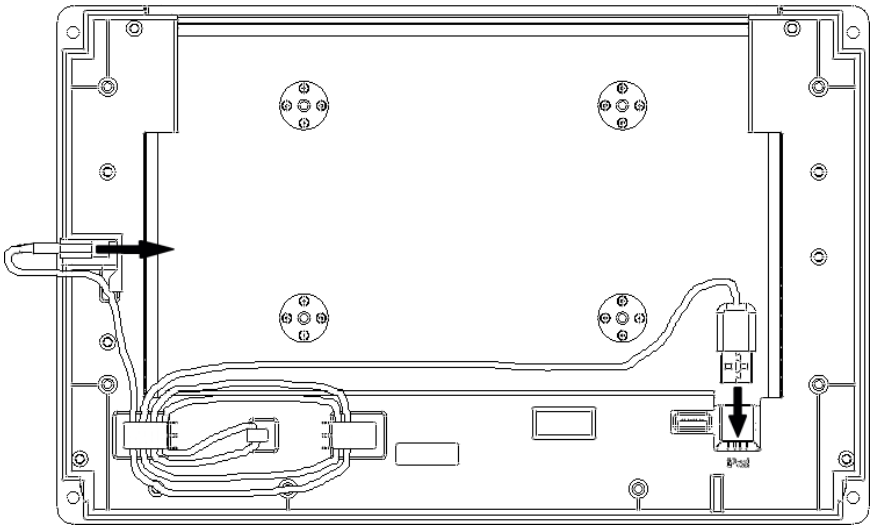
1. Disassemble the back sheet using 2.0mm hex screwdriver



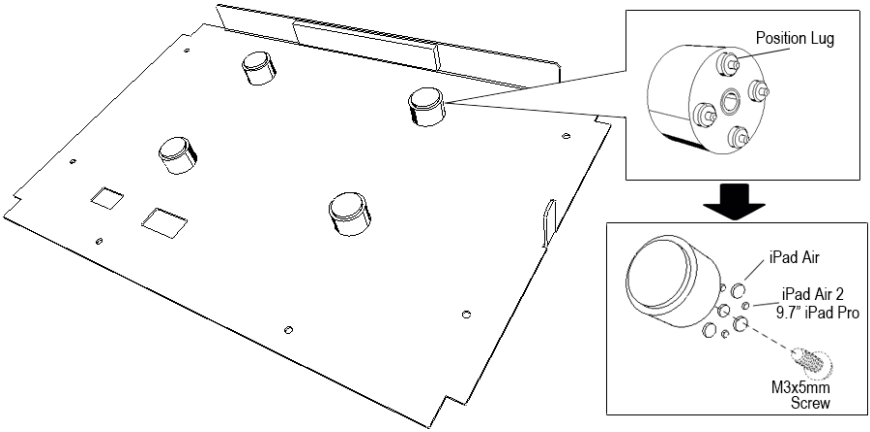
2. Insert iPad into the bezel from the top. Pay attention to the direction of the iPad.



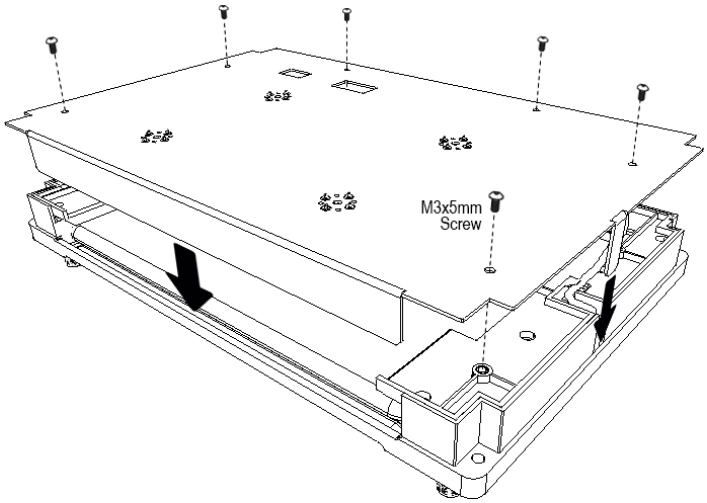
3. Connect the iPad with lightning cable(not included)



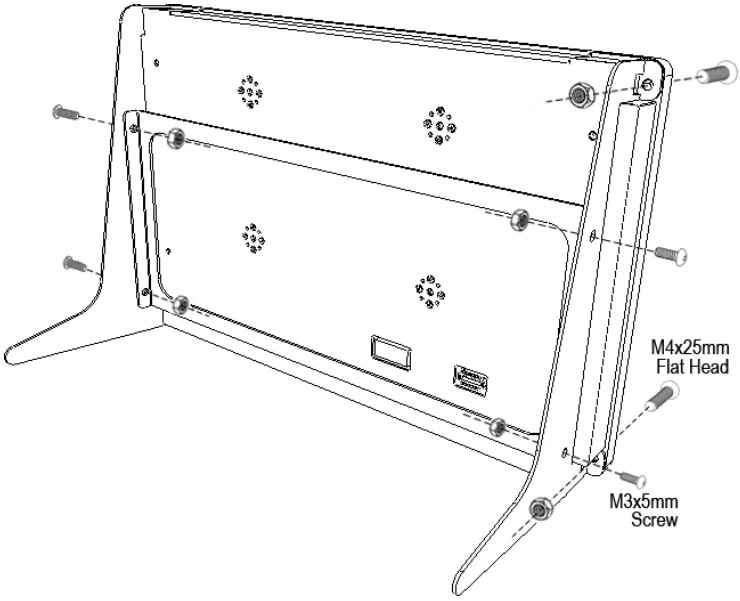
4. Adjust the padding blocks to fit your iPad. Fit the position lugs into the small holes for iPad Air 2 and 9.7" iPad Pro, big holes for other models supported.



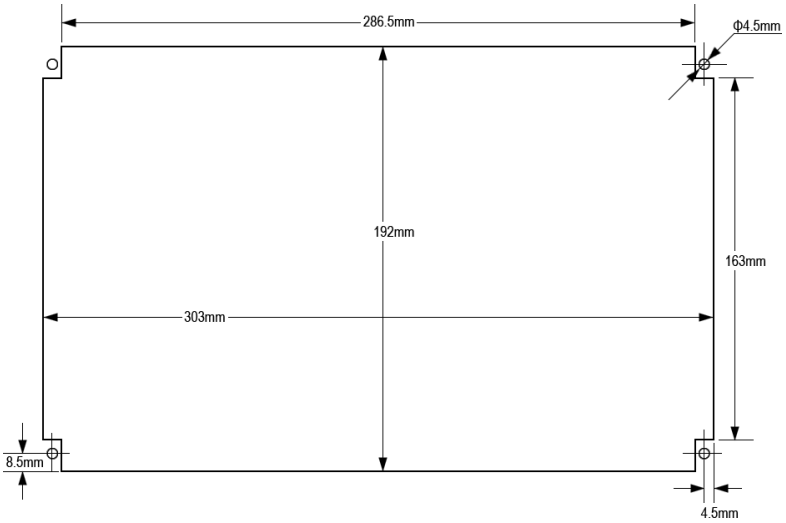
5. Assemble the back sheet. Make sure that the lightning cable doesn't interfere with the padding blocks.



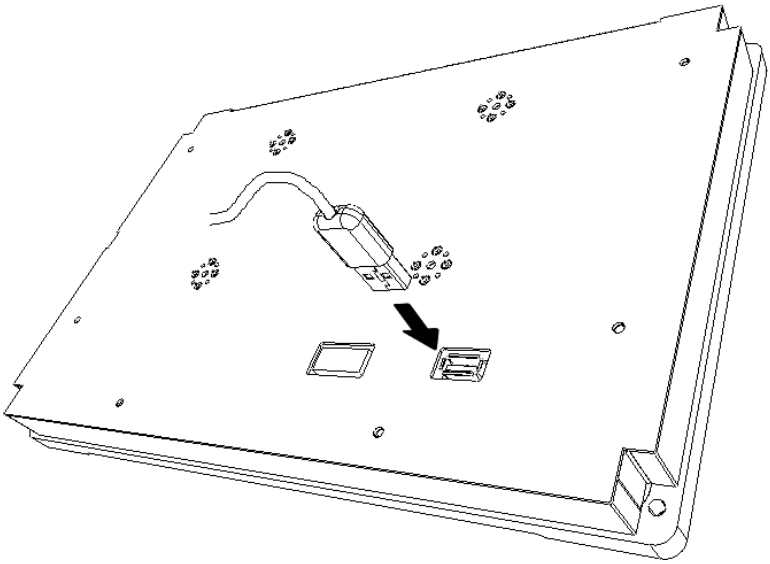
6. Install the bezel stand



7. Or mount the bezel on your instrument panel with the cutout below:



8. Plug in the USB power(USB power adapter is not included). The bezel will do a self-test by lighting up backlight momentarily when power is applied.



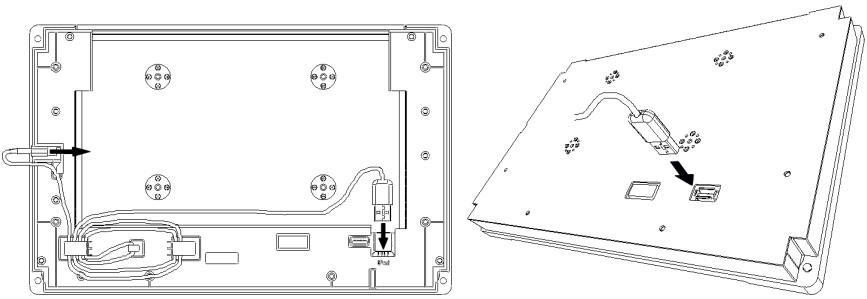
USB power requirement

	Backlight on	Backlight off
With iPad plugged in	<1000mA	<800mA
Without iPad plugged in	<200mA	<20mA

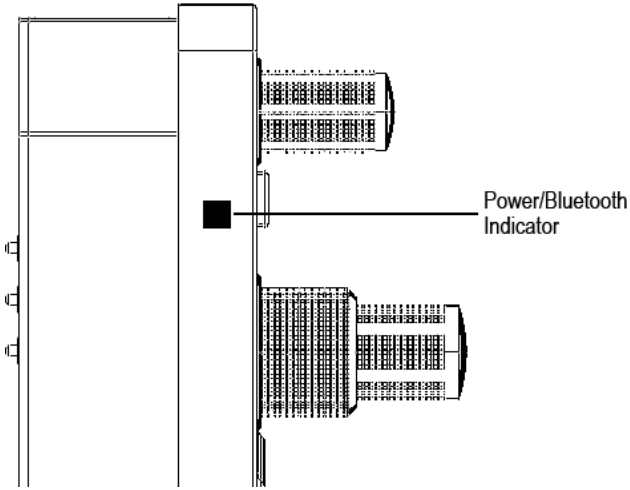
According to the power consumption listed above, minimum USB power output requirement is 1000mA(5W). To give it enough margin, a USB power adapter with the capability of 2000mA(10W) output is recommended.

Bluetooth connection

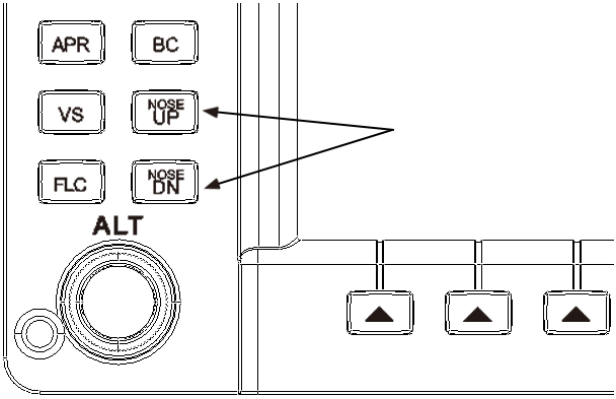
1. Make sure the iPad is connected to the bezel with lightning cable and USB power is applied.



2. Power/Bluetooth indicator will blink white when the bezel is not connected to any device.

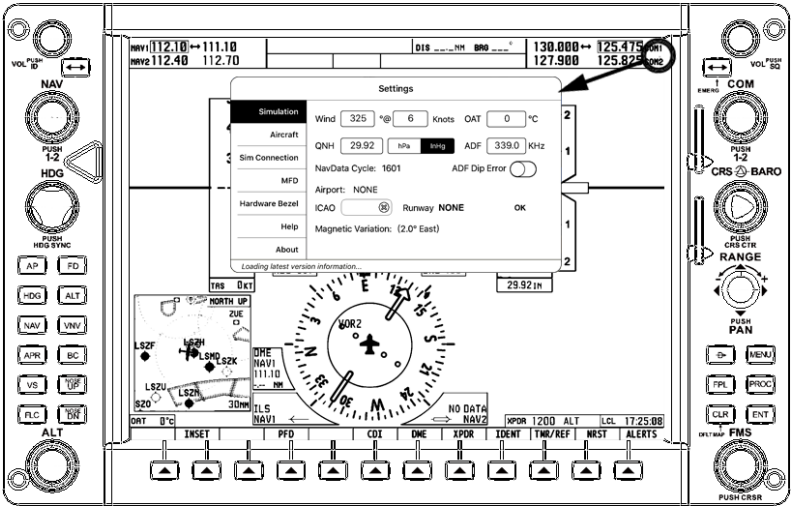


3. Press “NOSE UP” and “NOSE DN” at the same time to wake up iPad. Unlock the iPad and launch PFD or MFD app. On iOS 10, slide right on the lock screen to show the searching page, search the app and run it directly. On iOS 12 or above, slide up to unlock the iPad.

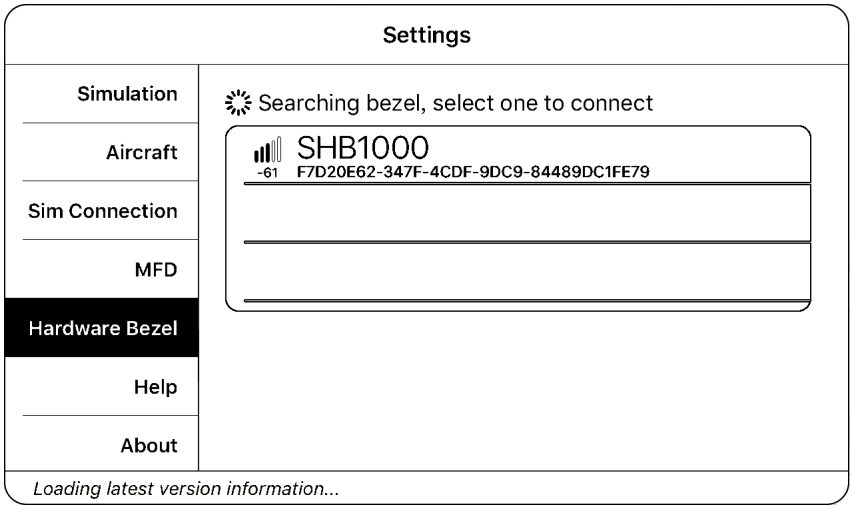


Or, say “Hey Siri” to wake up the iPad if “Hey Siri” is enabled.

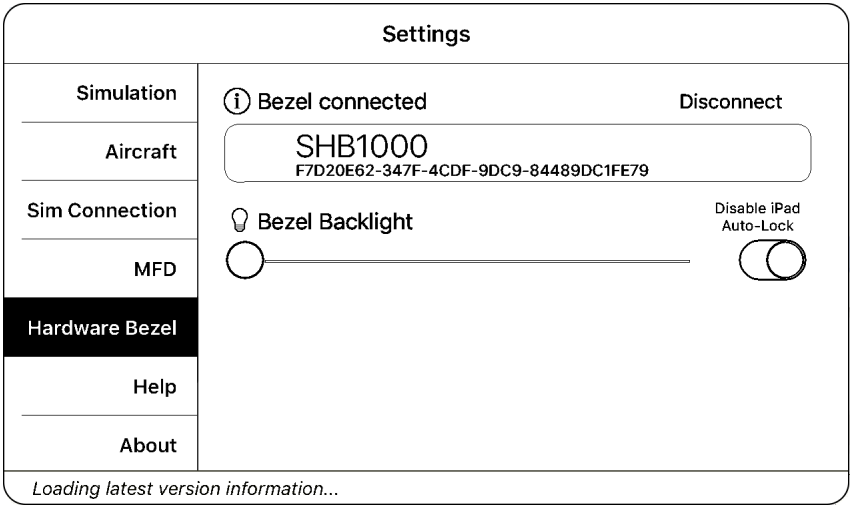
4. Make sure you have turned on the Bluetooth on the iPad.
5. Tap the upper right corner to open the settings window.



6. Select “Hardware Bezel” on the left. You will see the available bezel(s) in the list as “SHB1000” followed by a UUID.



7. Tap on the item to connect the bezel. If you have more than 1 bezel in the list, make sure you are selecting the right one by checking the signal strength or just try one.



8. When the bezel is connected, the “Disconnect” button will show up, disconnect the bezel by tapping that button when you need to. By default, the program will also turn off iPad auto-lock(keeps iPad alive) when the bezel is connected. You can adjust bezel backlight by sliding the backlight control.

9. The Power/Bluetooth indicator on the bezel will change to solid white also indicating that the bezel is connected to the iPad.

10. If you don’t disconnect the bezel manually before you quit the PFD or MFD app, the bezel will be disconnected automatically and connect automatically the next time you open the app.

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.*

Company address:
1024 2nd South Building, Software Park
No.18 Hi-Tech West Road
Hi-Tech Industry District, Tianjin
China
Support e-mail: *support@simionic.net*