

Hiru | The only eye-tracker that works in Windows and iPadOS, indistinguishably



User Manual | Quick Start Guide: Windows

User Manual IRISBOND Hiru Eye Tracking System

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What are you looking for?

IRISBOND Hiru Eye tracker

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Compliance Information: CE and MDR

Declaration of conformity (MDR)

Technical Specifications

Hiru First Steps Overview



Install Systray

This program includes the Drivers and updates needed for Hiru.



Download and install eye gaze communication software

(examples: Easyclick, Grid 3).



Connect Hiru

Use the provided cables.



Calibrate in your Eye Gaze Software!

Calibrating lets the Hiru adapt to your eyes so you have the best experience.

Compatibility

| Minimum requirements | Intel Graphics |
|--|-----------------------------------|
| <ul style="list-style-type: none"> ● CPU 1.33GHz ● RAM 2GB ● Hard Disk 3GB + HDD ● USB 3.0 | Nvidia and others with OpenGL 2.0 |



If you want to use the eye tracker with larger screens, you can do so by changing the position of the camera and placing it further away from the screen.

Multiplatform

Hiru eye tracker can be used both with Windows and iOS (iPad). The same eye tracker works with both operating systems.

We recommend iPad Pro / Surface Windows 10

| iPadOS | Windows |
|--|--------------|
| iPad Pro 12.9" 5th and 6th generation iPad Pro 11" 3rd and 4th generation | Windows 7-11 |

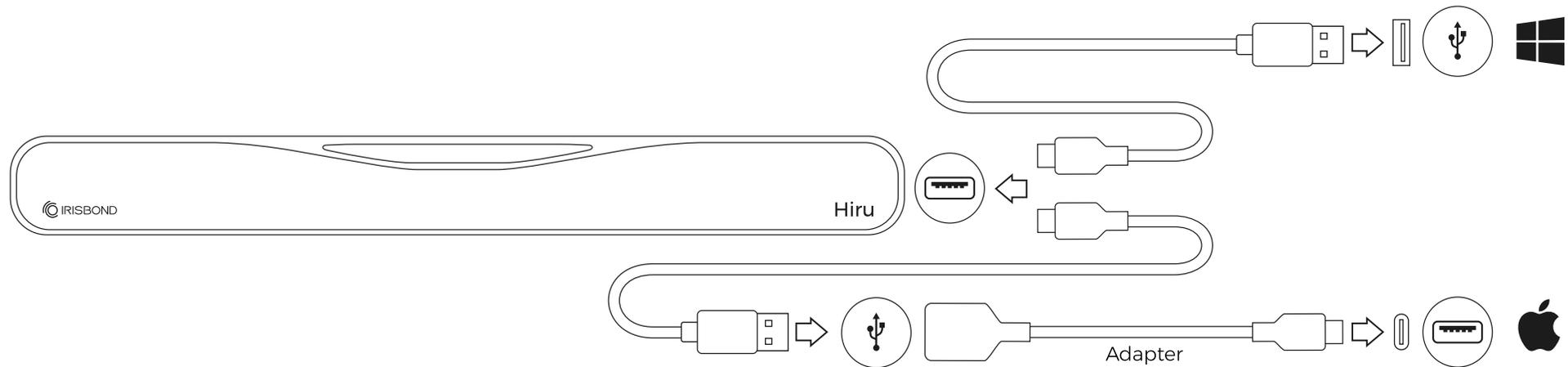
Positioning

| Optimum working distance | Optimum screen size |
|--------------------------|---------------------|
| 55 cm. | 10" - 20" inches |

USB Connection and mounting

Depending on the device that you may be using, an adaptor might be needed:

- For **Windows** devices, just use the long C-A cable. The C male connects to the Hiru and the A male connects to the device.
- For **iPad PRO**, the A-C adaptor is needed. Connect the adaptor to the iPad Pro, and the long cable to the Hiru.

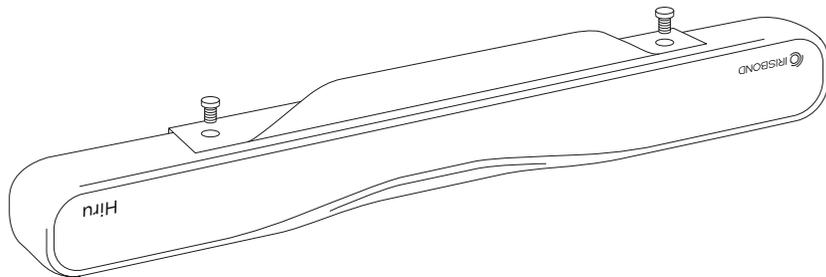


Assembly Options

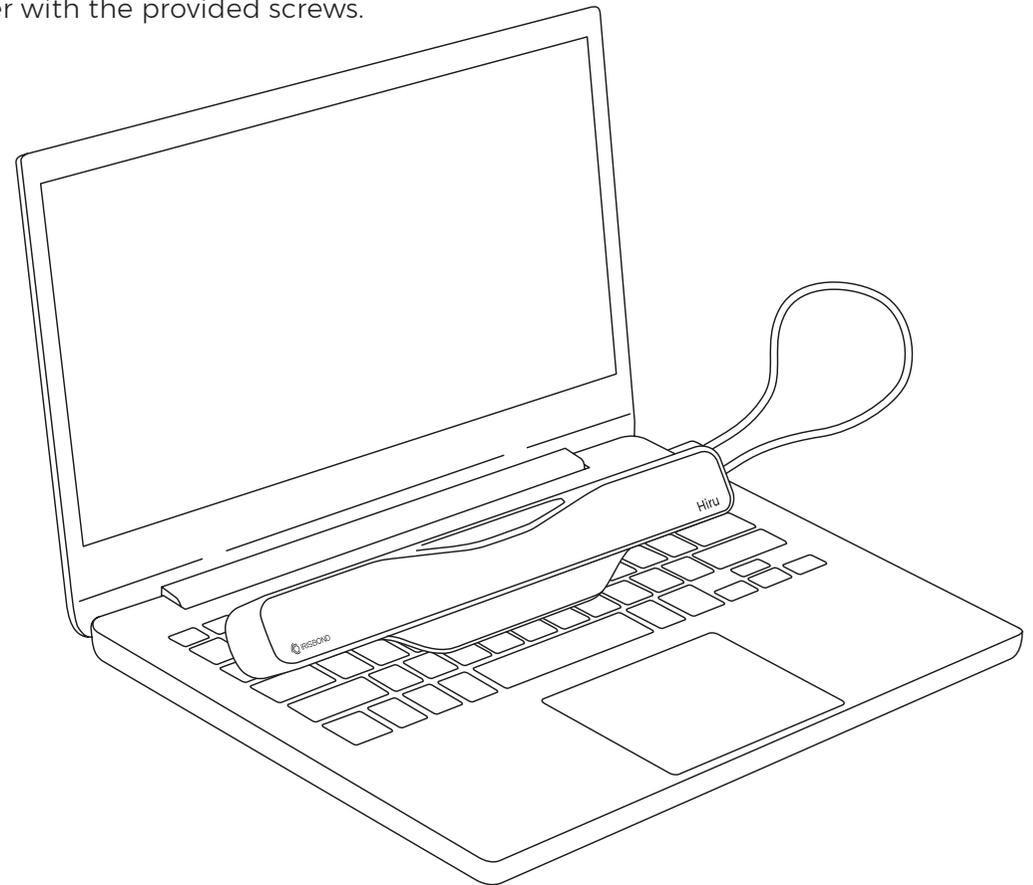
The IRISBOND Hiru system is designed to be fully adaptable for use with laptops, Desktop PCs, and tablets:

Laptop

Under the laptop or PC, fix the Hiru onto the holder with the provided screws.



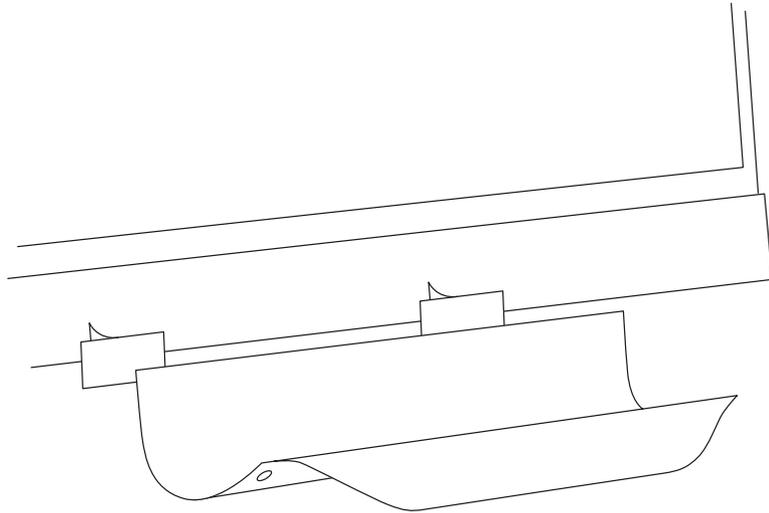
Click [here](#) to watch *Set Up* video for IRISBOND Hiru.



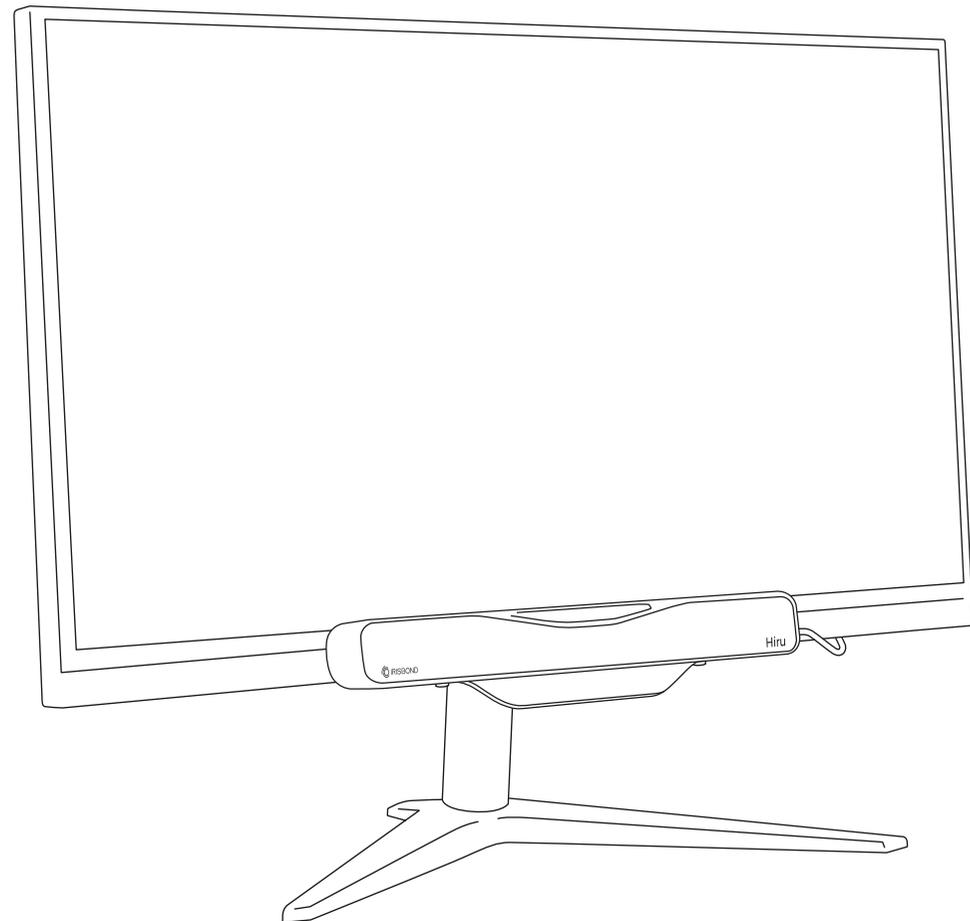
Assembly Options

Desktop Computer / Monitor

Place the holder on a screen with the provided magnets and screw the Hiru to the holder.



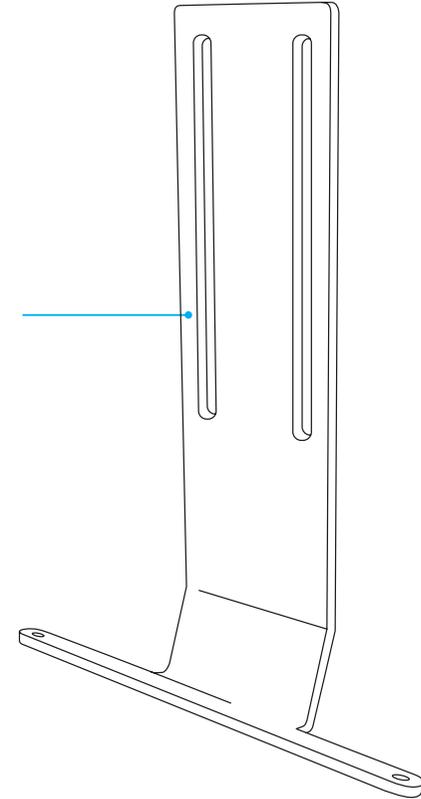
Click [here](#) to watch *Set Up video for IRISBOND Hiru*.



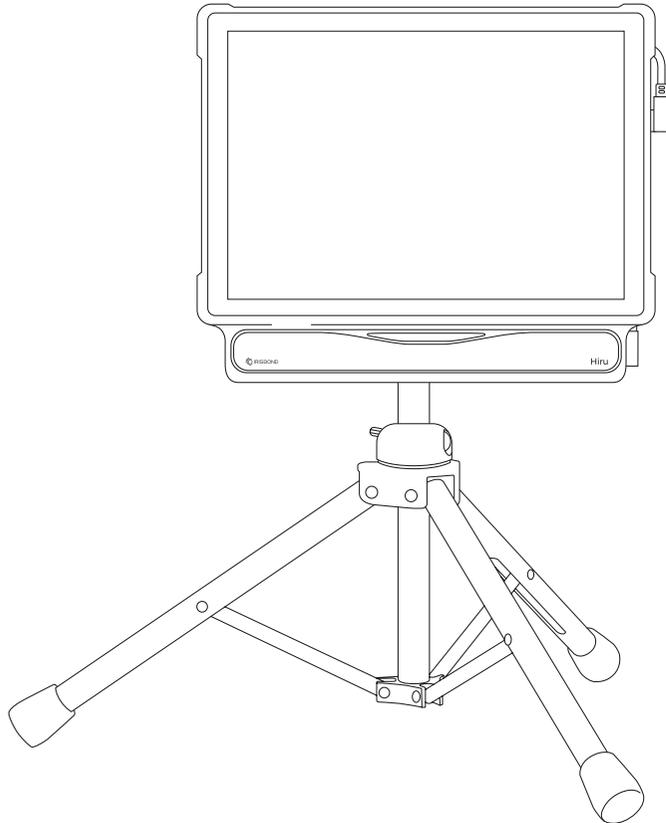
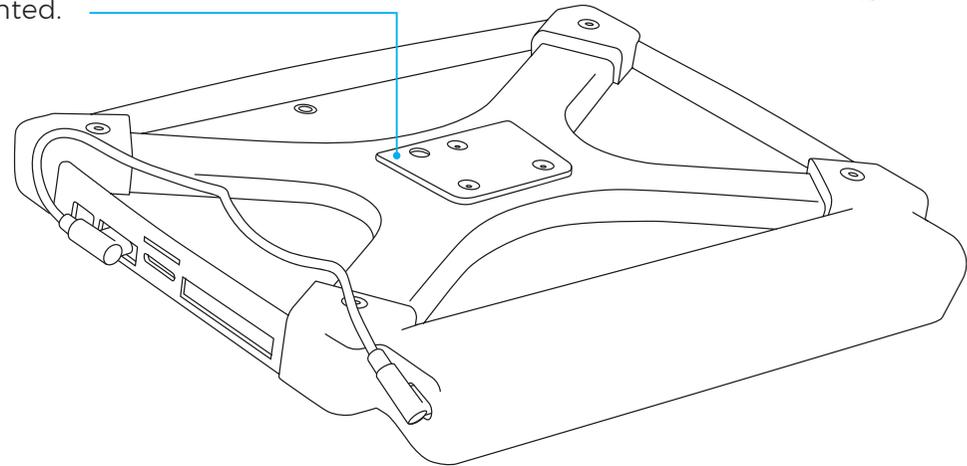
Assembly Options

Tablets

1. Attached to a tablet:
Rehadapt's GA IRISBOND Hiru bracket (#16.1239).



2. Every Oskol casing comes by default
with the Rehadapt's GA Universal adapter
(#16.1224) mounted.

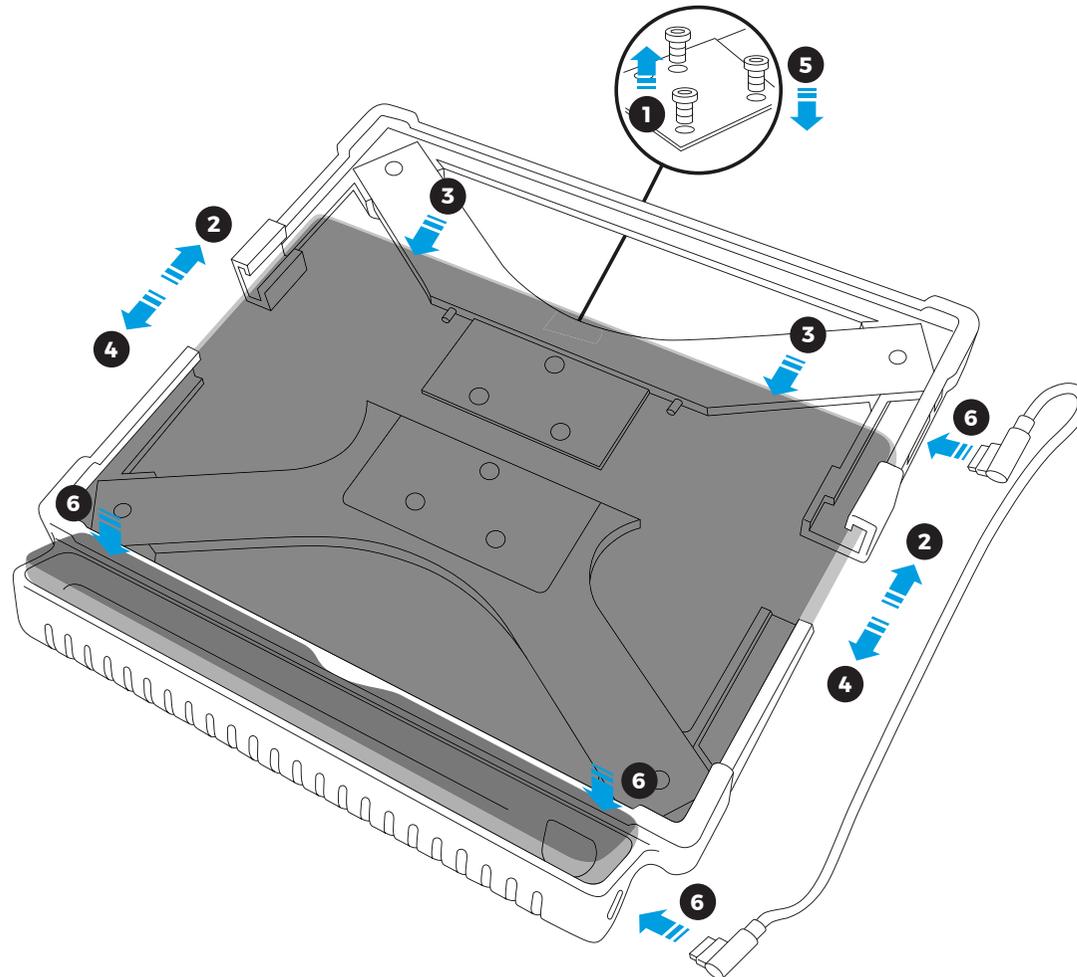


Click [here](#) to watch *Set Up video for IRISBOND Hiru.*

How to mount Oskol

Oskol has a space dedicated for a Surface Pro tablet and another for Hiru. To mount the tablet in the Oskol follow these steps:

- 1 Remove the mounting plate and 3 screws. The screws and plate are included in the box.
- 2 Separate the top and bottom pieces of the casing. Push up on each side joint, until the top piece slides up.
- 3 Place the tablet in the bottom piece of the casing. The bottom corners of the tablet should sit tightly in the casing.
- 4 Place the top piece over the the tablet. Slide the top piece down until it is in place. The side joints and middle piece should fit together.
- 5 Place the screws in the back of the mounting plate. Use an allen wrench to tighten.
- 6 Place the Hiru in the slot below and Connect the cable.



Click [here](#) to watch *How to insert and remove a tablet and Hiru from Oskol.*

! Keep in mind

When using third party apps, the following Windows message may appear:

If this is the case, please allow both **private** and **public networks**.



- Do this when installing Systray by clicking both check boxes.
- To change these settings after installing, enter "Windows Defender Firewall" and select "allow an app or feature through Windows Defender Firewall", and enable the checkboxes accordingly.

Use with different Operating Systems: Overview

Hiru eye tracker can be used with both: Windows and iOS (iPad Pro). The same eye tracker works with both operating systems.



Windows Overview

EasyClick: Our computer access software. EasyClick is now compatible with Duo and Hiru in the same app. Download this new version of EasyClick [here](#) and a course of how to use it [here](#).

Grid 3: From version 61 on, Grid 3 is integrated with Hiru. Select "Irisbond" from the available eye gaze cameras.

Mind Express 5: Hiru is integrated with MindExpress 5. Select "Irisbond" from the available eye gaze cameras.

Microsoft HID: It is possible to use Windows Eye Control with Hiru using HiruSystray app. For more information, please read the following [document](#).

How to update Hiru in Windows

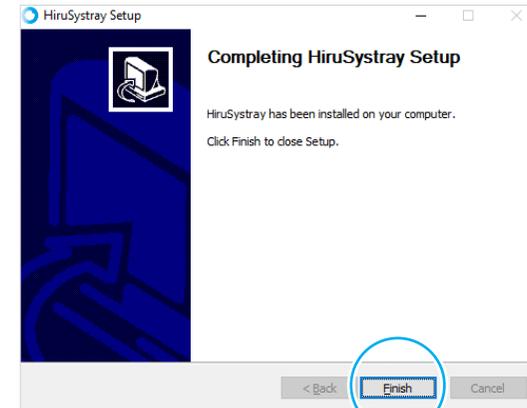
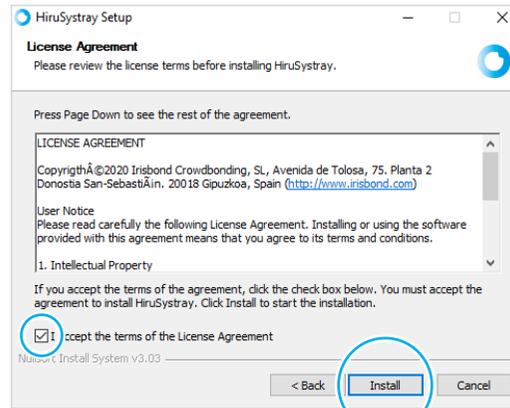
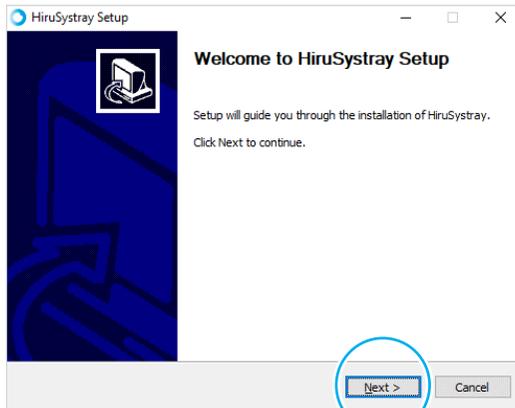
Hiru has continuous updates and new versions of firmware are released regularly. Update Hiru in Windows using our Systray app.

Download the latest version of Systray app (below).

Updating Hiru: Step by step

Install Systray from this link: <https://downloads.irisbond.com/systray>

Video tutorial [Update your Hiru in Windows](#).



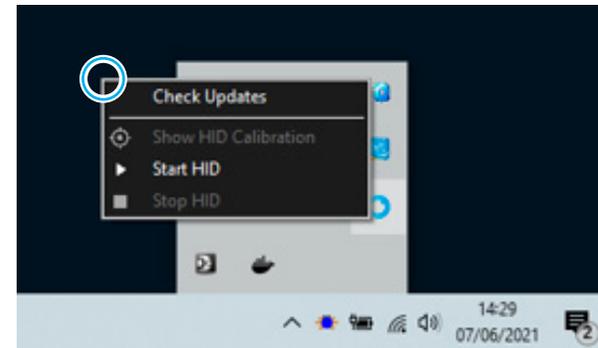
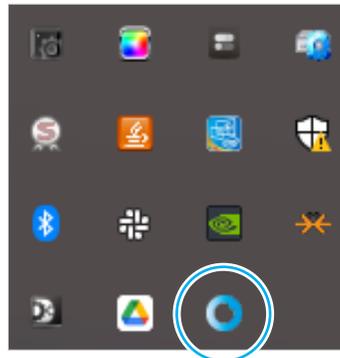
How to update Hiru in Windows

The Systray icon will open in the Windows Toolbar (see image below).

If the Hiru is connected to the PC, the Systray will periodically check if there is a firmware update available. It is also possible to check for the updates by clicking in *Check Updates*.

! Keep in mind

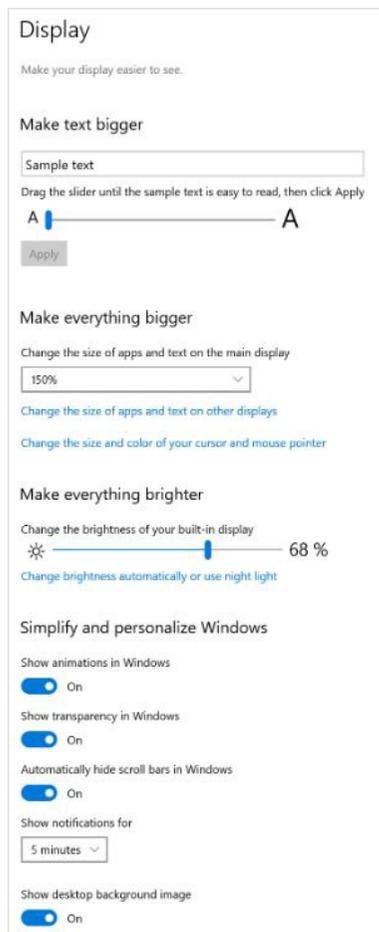
- IRISBOND's Systray App should always be installed.
- If an update is available, a notification will show up, please, DO NOT disconnect the Hiru during this process.
- If no notification is shown, please check that your device that the Focus Assistant is OFF and Notifications for Systray are ON.



Ensure the focus assistant is turned off, and notifications for Systray are turned on in Windows Settings in *Notifications and Actions* and be sure your WiFi is connected.

To ease the access of the update with eyegaze, set the notifications to appear for more time.

- Go to: Settings > Ease of Access > Display.
Set Notifications to show for 5 minutes.



How to update Hiru in Windows

These are the notifications that you will receive once the process is started:

Hiru update
New update available. [Click here to update](#)

Hiru update
Download completed. Updating Device...

Updating...

Hiru update
Update completed. Hiru device will restart.
Please, do not unplug the device.

Updated, do not remove the Hiru.

Hiru update
You already have the last Hiru update

Now, the Hiru is ready to be used!

Click [here](#) to check our Youtube channel and find out more about Hiru!

CE & MDR | Technical Specifications

Compliance Information: CE and MDR

The device model has been designed and manufactured in conformity with the Directive.

San Sebastián, a 30th of April 2021



Eduardo Jauregui / Technical Director

CE DECLARATION OF CONFORMITY

| | |
|----------------------|--|
| MANUFACTURER | IRISBOND CROWDBONDING, SL VAT: ES-B75091058 ADDRESS: AVENIDA DE TOLOSA, 75 - 2º San Sebastián CP: 20018 Guipúzcoa, País Vasco |
| APPLICABLE DIRECTIVE | COUNCIL DIRECTIVE 93/42/EEC of 14 June 1993 concerning medical devices |
| HARMONIZED STANDARDS | EN 55032 (2015) / AC (2016) / A11 (2020) EN 55035 (2017): UNE-EN 62471-1:2009 FCC CFR 47, Part 15, Subpart B (10-1-15 Edition) ICES-003 Issue 6 (2016) |
| PRODUCT | Sistema de control del ordenador con la mirada HIRU/ Eye tracking system HIRU |
| REFERENCE | IRISBOND HIRU |
| TEST CERTIFICATES | 65321IEM.001 65321REM.001 65321REM.002 2251989-PHO-21-018A |

Declaration of conformity (MDR)

We, Irisbond Crowdbonding Ltd, declare that the product listed below has been designed and manufactured in conformity with the Directive (UE) 2017/745:

| | |
|--------------|---|
| MANUFACTURER | IRISBOND CROWDBONDING, SL ES-B75091058 AVENIDA DE TOLOSA, 75 - 2º San Sebastián, 20018 Guipúzcoa, Spain +34 9434 96 622 http://www.irisbond.com |
| REFERENCE | IRISBOND HIRU |
| PRODUCT | Eye tracking system HIRU |

The aim of this declaration is a Class I Medical Device and is in conformity with the following harmonised legislation:

| | |
|----------------------|--|
| APPLICABLE DIRECTIVE | <ul style="list-style-type: none"> • Directive (UE) 2017/745 concerning medical devices, MDR. • EMC Directive, 2004/108/EC. • RoHS Directive, 2011/65/EU. • FCC Rules and Regulations. |
|----------------------|--|

The following harmonized standards and technical specifications have been applied:

| | |
|------------------------|---|
| HARMONIZED LEGISLATION | EN 55032 (2015) / AC (2016) / A11 (2020) EN 55035 (2017) UNE-EN 62471-1:2009 FCC CFR 47, Part 15, Subpart B (10-1-15 Edition) ICES-003 Issue 6 (2016) |
| TEST CERTIFICATES | 65321IEM.001 65321REM.001 65321REM.002 2251989-PHO-21-018A |

This declaration is signed on behalf of Irisbond Crowdbonding, Ltd in San Sebastián, on the 30th of April, 2021, by Eduardo Jauregui, CEO.




Declaration of conformity (MDR)

We, Irisbond Crowdbonding Ltd, declare that the product listed below has been designed and manufactured in conformity with the Directive (UE) 2017/745:

| | |
|--------------|--|
| MANUFACTURER | IRISBOND CROWDBONDING, SL ES-B75091058 AVENIDA DE TOLOSA, 75 - 2º San Sebastián, 20018 Guipúzcoa, Spain +34 9434 96 622 http://www.irisbond.com |
| REFERENCE | OSKOL WINDOWS |
| PRODUCT | This product is composed by the following elements: <ul style="list-style-type: none"> • Medical device; Eye tracking system HIRU. • Case to bundle the Irisbond HIRU eye tracker and the Surface Pro tablet (TPU material has PASSED skin sensitization and cytotoxicity tests in accordance with ISO 10993-5 and 10993-10). |

The aim of this declaration is a Class I Medical Device and is in conformity with the following directives:

| | |
|----------------------|---|
| APPLICABLE DIRECTIVE | REGULATION (EU) 2017/745 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 April 2017 on medical devices, MRD, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directive 90/385/EEC. |
|----------------------|---|

The following harmonized standards and technical specifications have been applied:

| | |
|------------------------|--|
| HARMONIZED LEGISLATION | HIRU: EN 55032: 2015 / AC: 2016 / A11: 2020 EN 55035: 2017 UNE-EN 62471-1:2009 FCC CFR 47, Part 15, Subpart B (10-1-15 Edition) ICES-003 Issue 6: 2016 OSKOL Windows: ISO 10993-5 ISO 10993-10 |
| TEST CERTIFICATES | 65321IEM.001 65321REM.001 65321REM.002 2251989-PHO-21-018A |

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|--------------|--|
| MANUFACTURER | IRISBOND CROWDBONDING, SL ES-B75091058 AVENIDA DE TOLOSA, 75 - 2º San Sebastián, 20018 Guipúzcoa, Spain +34 9434 96 622 http://www.irisbond.com |
| REFERENCE | OSKOL iPad |
| PRODUCT | This product is composed by the following elements: <ul style="list-style-type: none"> • Eye tracking system HIRU, medical device class I. • Case to bundle the Irisbond HIRU eye tracker and the iPad Pro tablet (TPU material has PASSED skin sensitization and cytotoxicity tests in accordance with ISO 10993-5 and 10993-10) |

The aim of this declaration is a Class I Medical Device and is in conformity with the following harmonised legislation:

| | |
|----------------------|---|
| APPLICABLE DIRECTIVE | REGULATION (EU) 2017/745 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 April 2017 concerning medical devices, MDR, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directive 90/385/EEC. |
|----------------------|---|

The following harmonized and/or unharmonized standards and technical specifications have been applied:

| | |
|------------------------|---|
| HARMONIZED LEGISLATION | HIRU: EN 55032: 2015 / AC: 2016 / A11: 2020 EN 55035: 2017 UNE-EN 62471-1:2009 FCC CFR 47, Part 15, Subpart B (10-1-15 Edition) ICES-003 Issue 6: 2016 OSKOL iPad: ISO 10993-5 ISO 10993-10 |
| TEST CERTIFICATES | 65321IEM.001 65321REM.001 65321REM.002 2251989-PHO-21-018A |

This declaration is signed on behalf of Irisbond Crowdbonding, Ltd in San Sebastián, on the 30th of April, 2021, by Eduardo Jauregui, CEO.




Technical Specifications

| | |
|--|--|
| Optimum screen size | 10-20" |
| Recommended working distance | 35-80 cm. |
| Calibration | 0, 1, 5, 9, 16 points |
| Selection mode | Dwell, Blink, Switch |
| Head box | 20 x 18 cm. at 50 cm. |
| Eye tracking | Monocular and binocular |
| Accuracy | 0.4° |
| Sampling rate (Frequency) | 60 Hz. |
| Mounting | Holder, magnets, or specific adaptor for consumer device |
| Operating system | Windows: 7-10 iPadOS: 13 or above Others: Please get in touch with us |
| Eye Tracking processing | Hiru on-chip eye tracking technology |
| Minimum system requirements (laptop, PC, tablet) | <p>Eye-tracking processing done at HIRU itself. System requirements related to the applications used with HIRU. Typically:</p> <ul style="list-style-type: none"> • USB 3.0 -C • 1,33 GHz CPU • 2 GB RAM • 3GB + HDD Hard Disk • Intel Graphics, Nvidia and others with OpenGL 2.0 • iOS: iPad Pro |
| Weight | 115 g. |
| Dimensions | 259 x 25 x 28 mm. |
| Eye tracking technology | Dark pupil |
| USB connector | USB-C |

