traulux by Charmex

USER MANUAL

OPS EDLA TLS8195A



More information at traulux.net | info@traulux.net

INDEX

1. Introduction....4

2. First steps....5

2.Front view....5

2.2. Rear view....5

3.Adjustments....6

3.networks and Internet....6

3.2. Connected devices....6

3.3. Applications....6

3.notifications....6

3.5. Storage....7

3.5.1. Application-specific storage....7

3. sound and vibration....7

3.7. Display....7

3.8. Wallpaper....7

3.9. Accessibility....7

3.10. Security....8

3.11. Privacy....8

3.12. Vibration....8

3.13.Safety and emergencies....8

3.14. Passwords and accounts....8

3.15. Digital well-being and parental controls....8

3.16. Google....9

3.17. Duraspeed....9

3.18. System....9

3.19. Device information....9

4. Desktop use....10

5. Use ops interactive display....11

5.1. Floating icon....12

5.1.1. Back....12

5.1.2. Annotation tool....12

5.1.3. Shortcut menu home....13

5.1.4. Active windows....13

5.1.5. External Connections....13

5.1.6. Quick access tools....14

5.1.7. Device shutdown....14

5.1.8. System settings....14

5.2. Side menu....14

6. Digital signage....15

6.1. Editing tools....16

7. Applications....17

7.1. Own applications....17

7.1.1. Airgo cast....17

7.1.2. Slate....17

7.2.- Slate....19





traulux by Charmex AV TECHNOLOGY

OPERATING MANUAL

OPS EDLA TLS8195A

1.- Introduction

The OPS EDLA module runs on Android 13 operating system and is also Google EDLA certified.

This means that users have free access to the Google ecosystem; including the Google Play app store (from which to download, among others, educational and productivity apps to prepare for meetings) and the Google Workspace suite of tools where you can find the cloud storage service Drive, Gmail, Google Meet for video conferencing, Google Docs for documents, Sheets for spreadsheets, Slides for presentations...

Being based on Android 13, the user experience is similar to that offered by a smartphone or tablet running this operating system.

Users, when choosing the desktop for interactive monitors, are provided with a floating icon on the home screen.

This touch button includes a menu with different options for teachers to annotate an image they are explaining and generate a QR code to share it with students; have an overview of all open applications to scroll through them; or work with two applications at the same time thanks to the 'Split' mode.

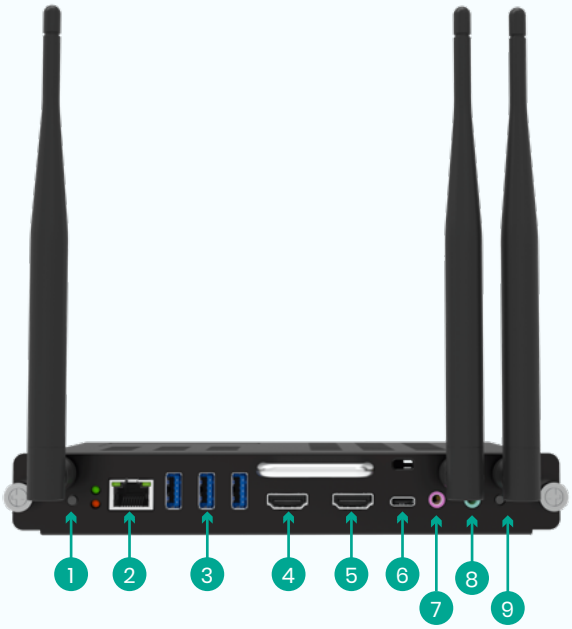
Teachers can add the applications and programs they use the most to the main interface by clicking directly on the corresponding icon and checking the 'Add to home page' option.

Specifications	
Board configuration CPU	Quad-core A78_2.6Ghz +Quad-core A55_2.0
Board configuration GPU	Mali G57 MC5 _880Mhz
RAM	8 Gb LPDDR4
Storage	128 Gb
Wireless	eMMCWiFi 6 - Bluetooth 5.2
Network	Gigabit Ethernet
	3 x USB 3.0
	1 x USB-C
Interfaces	1 x HDMI 2.0 IN
Frontside	1 x HDMI 2.0 OUT
	1 x RJ451 x Analog mic in
	1 x Analog audio out
Rear	1 x DC IN
Light	Working indicator & Power indicat
Button	Power & Reset
Power Input	12~19V current≥3A
Dimensions	OPS Standard: 118 (L) x 200 (W) x 30 (H) mm
Temperature	Operating 0°C ~ 45°C | Storage -20°C ~60°C
Relative Humidity	10% ~ 90% (non - condensing)
Net weight	0.75 kg
Power consumption	35W

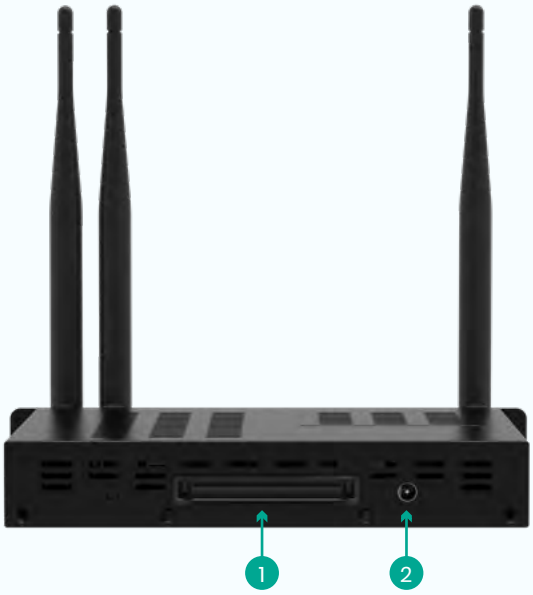
- Android 13 - 8Gb RAM / 128 Gb ROM - Support 4K/60Hz - WiFi 6 dual band - Bluetooth 5.2 - Gigabit LAN Ethernet

2.- First steps

Inside the box there are two elements: the OPS module and the antennas for the bluetooth and wifi connections. Once mounted we have the following configuration:



Front view
1.- Power On button Power On 2 . -
RJ45 network input
3.- USB 3.1 connections
4.- HDMI input (HDMI in)
5.- HDMI output (HDMI out)
6.- USB C input
7.- Audio output (Line OUT)
8.- Microphone input (MIC IN)
9.- Reset



Rear view
1.- Connection of the OPS module to the interactive display (SLOT)*
2.- Connection to power supply (desktop mode)

***The OPS SLOT mode on the screen does NOT require power supply.**



View of the OPS module inserted in the slot of the interactive displays. Always position vertically and make sure that the two upper and lower screws can be tightened effortlessly.



View of the OPS module working in desktop mode, with an external power supply (60 watt universal laptop power supply, not supplied), a keyboard and mouse with USB connection and a display connected to the HDMI out.

3.- Adjustments

In both working modes (desktop and OPS) we have the same settings menu where we can configure and customize from the language, wallpaper and font size to the working mode or the accounts registered in the OPS module.

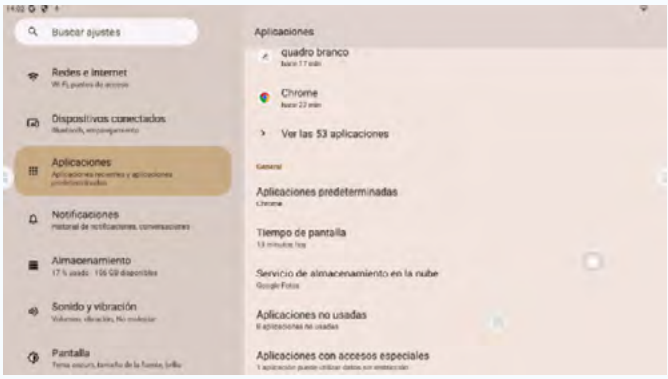
3.1.- Networks and Internet



3.2.- Connected devices



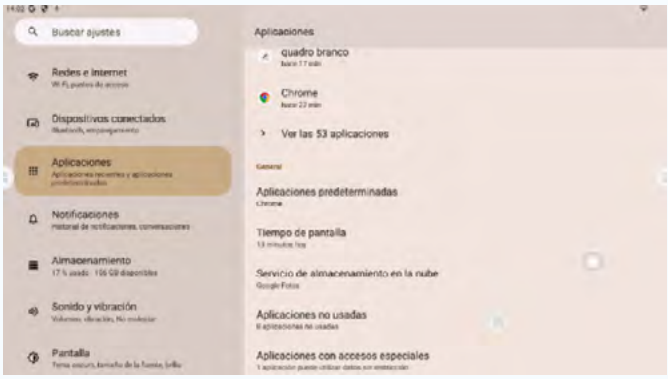
3.3.- Applications



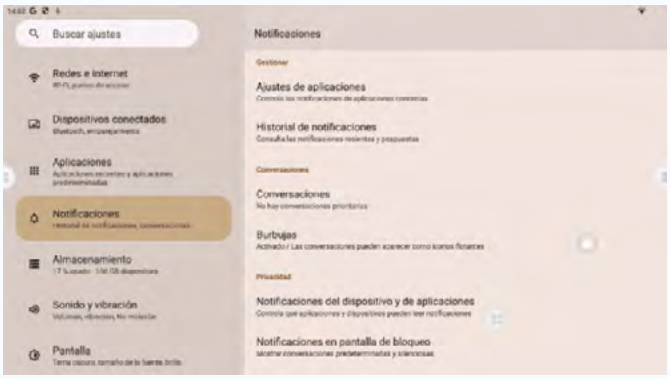
3.4.- Notifications



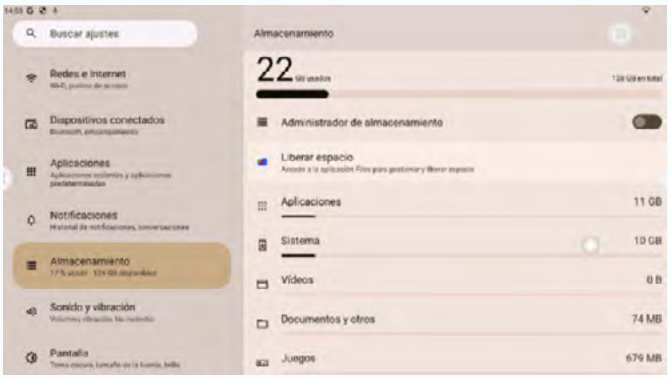
3.3.- Applications



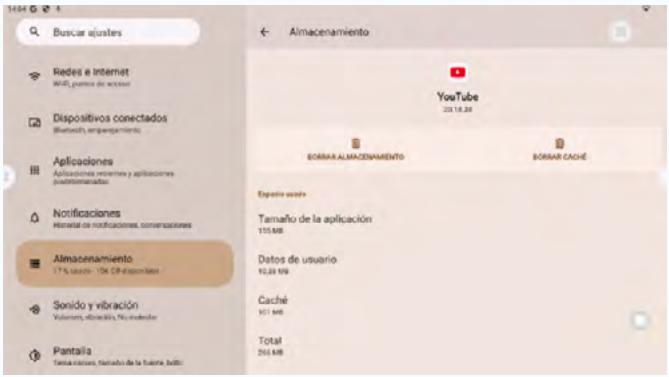
3.4.- Notifications



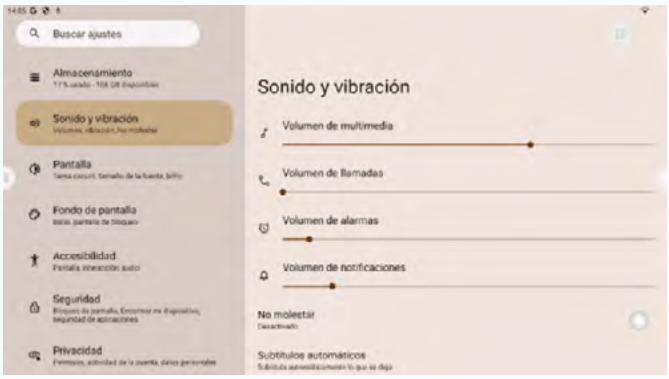
3.5.-Storage



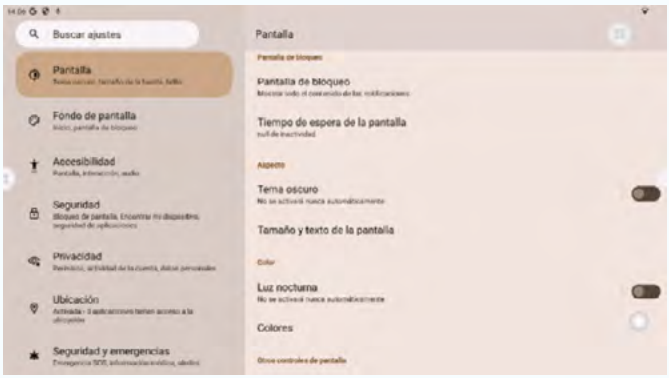
3.5.1.- Storage (YOUTUBE)



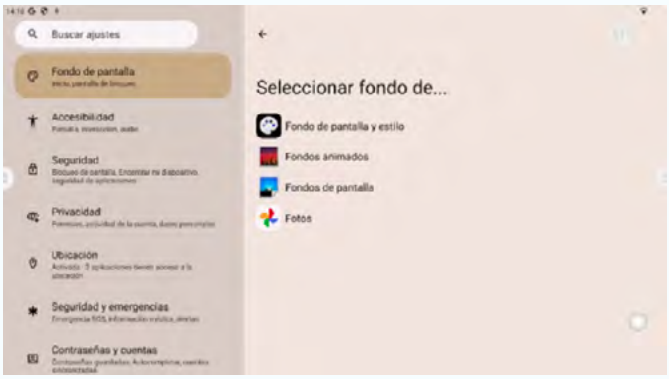
3.sound and vibration



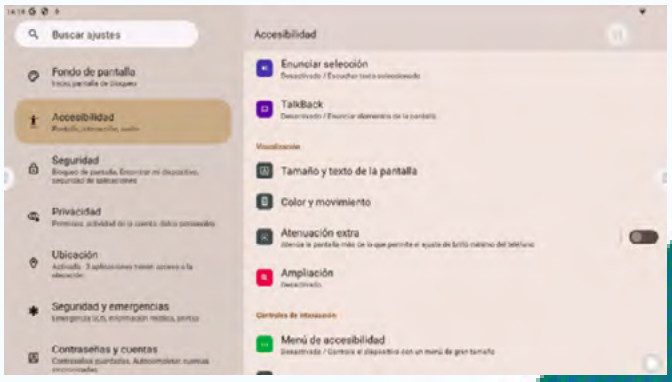
3.7.- Display



3.8.- Wallpaper

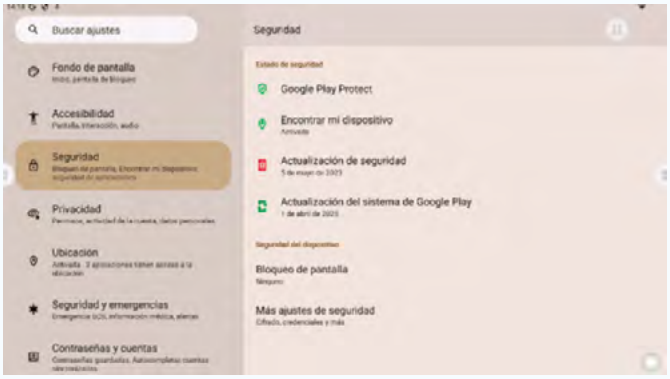


3.9.- Accessibility



3.- Adjustments

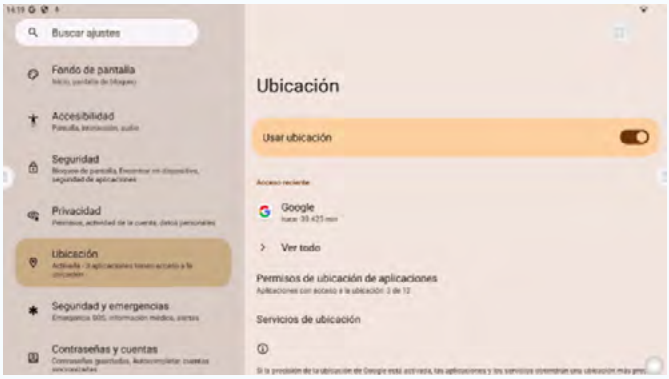
3.10.- Security



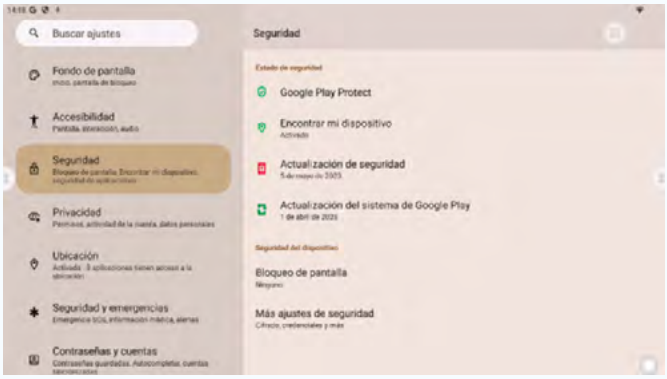
3.11.- Privacy



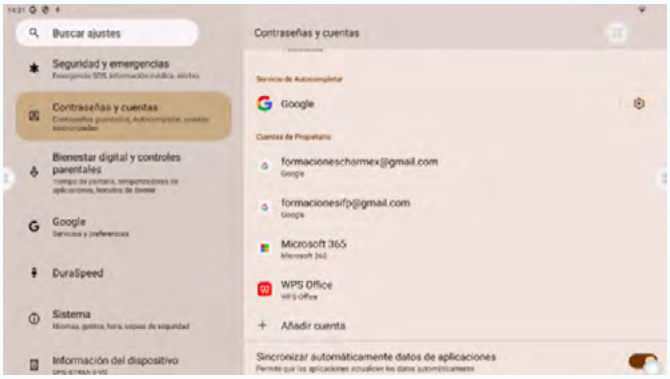
3.12.- Location



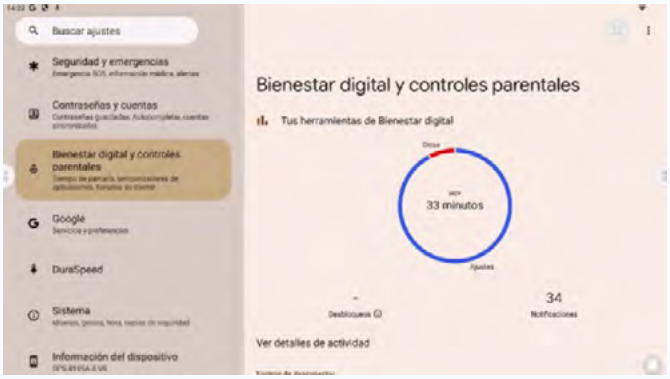
3.13.- Security and emergencies



3.14.- Passwords and accounts



3.15.- Digital well-being and parental controls



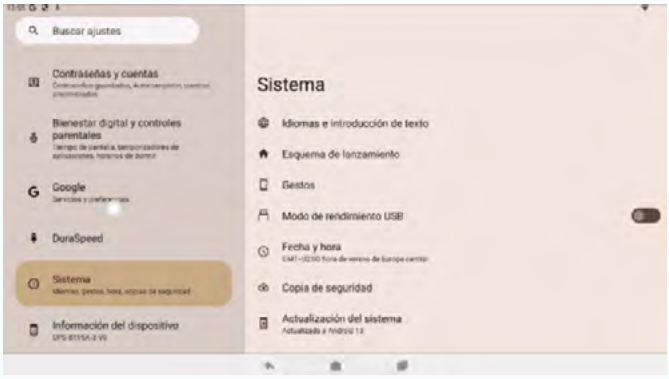
3.16.-Google



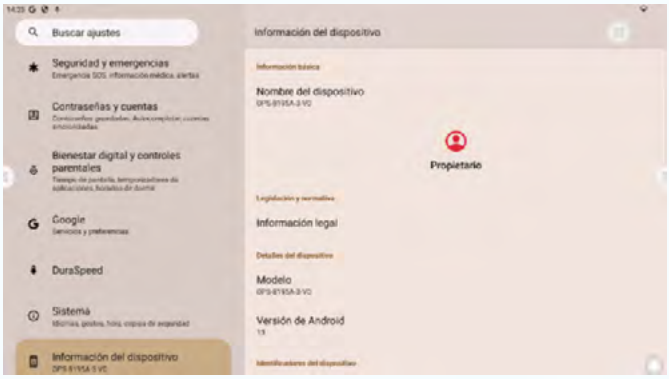
3.17.- Duraspeed



3.18.- System



3.19.- Device information

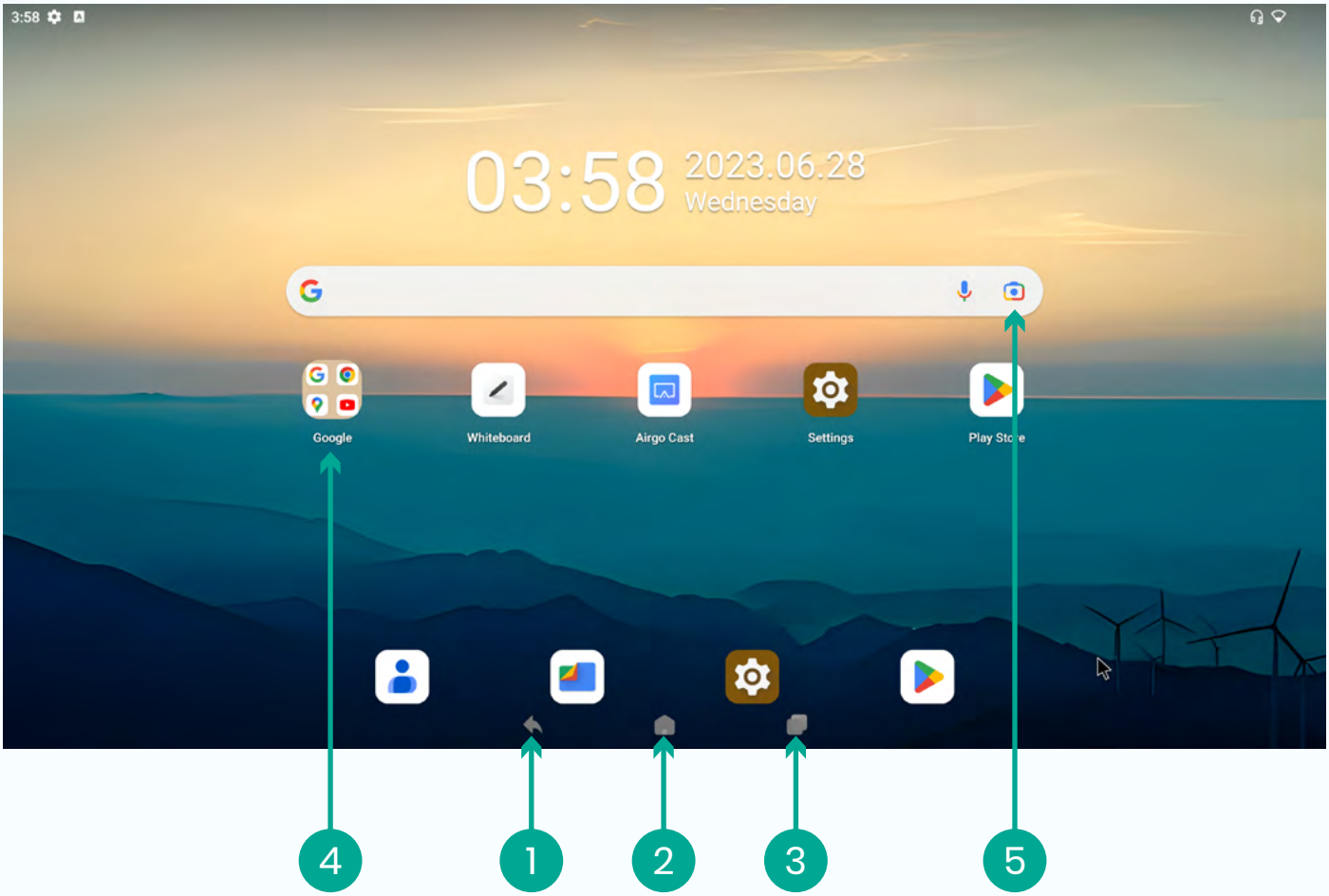




4.-Desk use

The OPS EDLA module is factory configured with launch scheme **A**, ready to work with keyboard and mouse.

The following items appear on the home menu screen at all times:



1.- Selection arrow back
2.- Home menu shortcut button
3.- Active windows access button
4.- Direct access to all Google services
5.- Google search bar

In addition to these exclusive accesses to the work mode in launch scheme A, at any time we can customize which applications we will have as shortcuts in the home menu, such as the whiteboard, Airgo cast, Settings and Play store, as shown in the image.

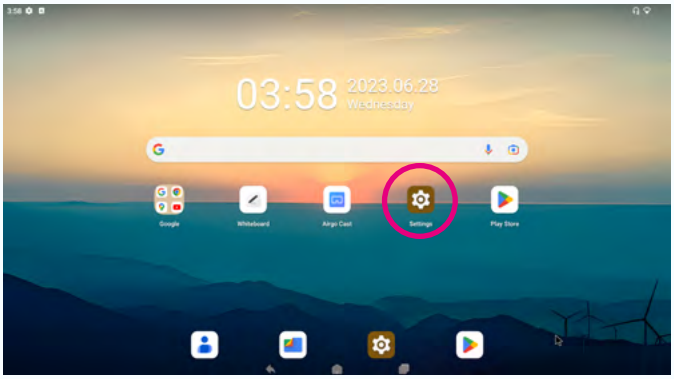
The OPS EDLA module is an excellent ally to work in an Android environment certified by Google as a desktop, since we will have all the Google services, in addition to all the applications available in the Play store.

5.- Use OPS interactive display

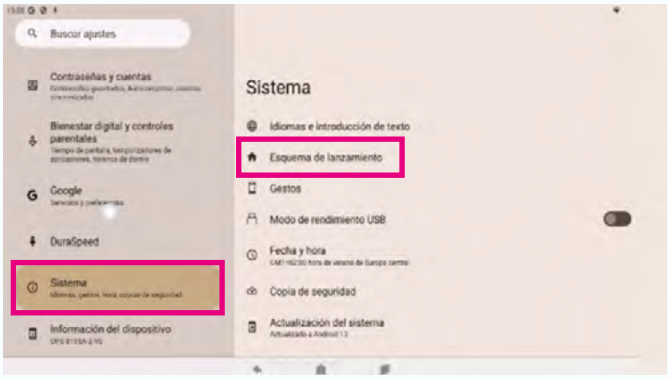
As we have seen previously in the first steps, the OPS EDLA module is manufactured to fit perfectly as a Slot in the Traulux interactive displays and thus extend the service in these.

The first step we have to do is to change the launching scheme to type B in order to have a working environment designed for interactive displays.

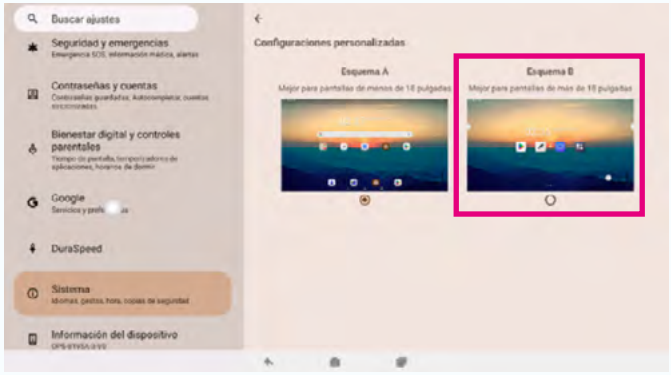
1. Go to Settings



2. Go to the System menu and enter Scheme launching.



3. Select launching scheme B.



This way we will have the new display of the home menu and the support of the floating menu, essential for annotations and scrolling through applications.

We also have the options of scrolling left or right to open shortcuts to the Chrome browser or to the page for customizing the presentation screens. See also section Posters 6.1.



1.- Floating icon

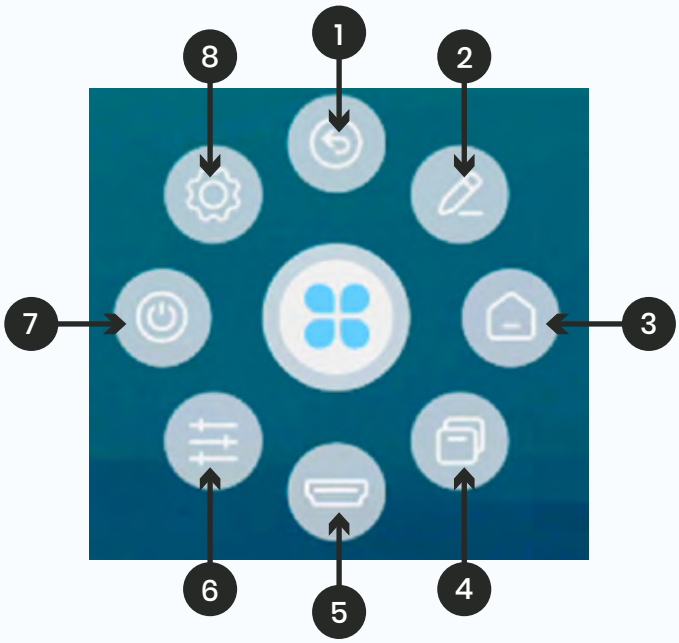
2.- Side help menus. See also 5.2*

3.- Custom application shortcuts

5.1.- Floating icon

The floating icon is our ally to be able to perform different actions in a tactile way. It will always appear on the screen, except when we are working on the whiteboard.

The tools included are the following:



1. Back function
2. Annotation tool
3. Home menu
4. Active windows
5. HDMI input
6. Quick access tools
7. Turn off device
8. System settings

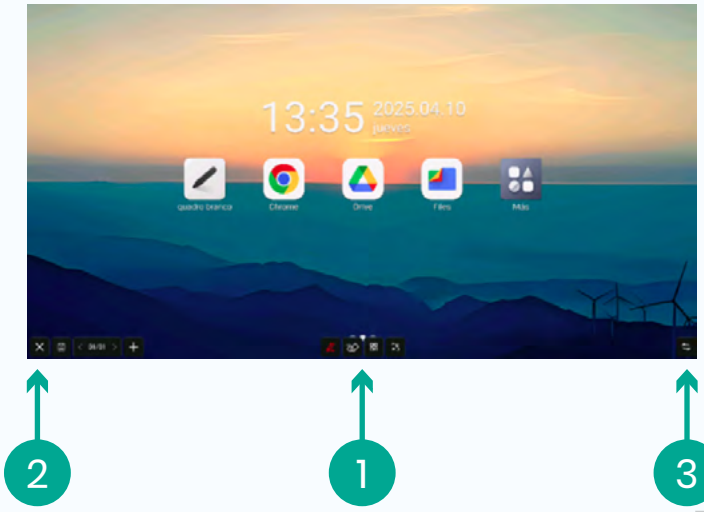
5.1.1.- Back function (Back)

This simple function helps us in any application we are working on to be able to move backwards.
This action can be used, for example, to go back one menu or to move to the previous page of the browser.

5.1.2.- Annotation tools

This useful annotation tool can be opened on top of any application. When opened, it "freezes the image", working a layer on top of it at all times, so we will never be modifying the original content.

For example, we can open the annotation pen on top of a web page to make annotations, on top of an application to mark an item and even on top of an office document.



1	**A.- Tools**for color and thickness of the annotation. **B.-**Erasing **tool**. **C.-QR code**and minimize.
2	Close note, save and create different annotation pages within the same annotation view.
3	Switch, to change the position of the tools (right or left).



A	Selection of color and thickness of the annotation.
B	Erasing tool.
C	QR code to scan and download the annotation (No need to be connected to the same network as the OPS EDLA module)

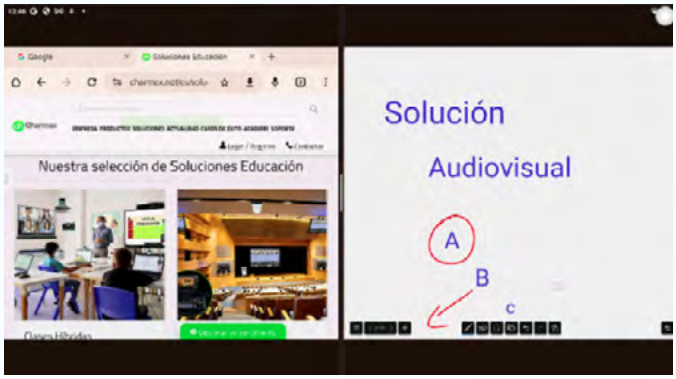
5.1.3.- Direct access to the home menu

When selecting this option, we will always go to the home menu. The application we were viewing will NOT be shut down or closed, on the contrary, it will continue working in the background.

5.1.4.- Active windows

This icon will take us to a visualization of all the open applications (in background) that we have at the moment to be able to move from one to another, to make a capture or even to be able to divide the screen and thus to be able to have two open applications at the same time.



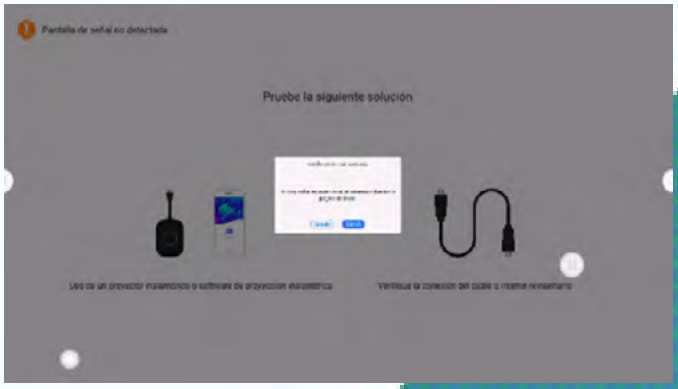


5.1.5.- HDMI input

This option will display the image of any device connected to the HDMI input.

This will allow us to:

- Simply visualize it
- Freeze it to focus on it while preparing other content discreetly on the PC e.g
- Annotate above and share QR
- Work in Split mode with this projection, e.g. half blackboard half projection



5.1.6.- Quick access tools



1. It shows the connection status of the OPS EDLA module.

If we select it , we can activate or deactivate it .

2. Activation or deactivation of Bluetooth connection
3. Trimming tool*
4. Selecting the audio volume of the OPS EDLA module
5. Selection of shutdown, restart or night mode.
6. Mute device, freeze screen or activate focus mode
7. Shortcuts to applications within the device.

- **The clipping tool:** this tool is very useful, because it allows us to make customized clippings in boxes or complete screens, to save them as images or move them to the whiteboard to be able to work with them.

5.1.7.- Device Shutdown

A 5-second countdown menu appears here. It gives us the option to cancel or turn off. If we do nothing it will simply turn off the OPS module at the 5 second countdown.

5.1.8.- System settings

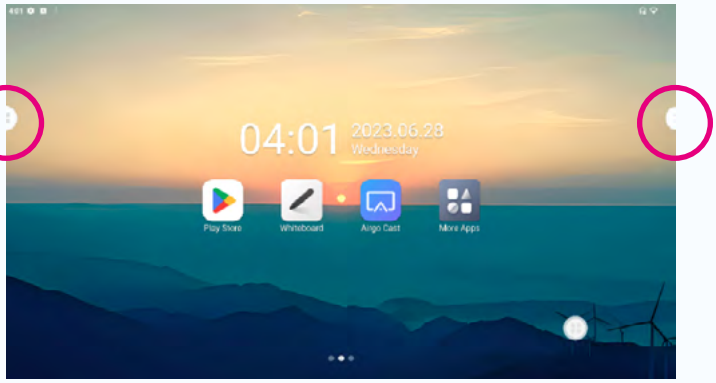
This is a shortcut to the system configuration submenus.

5.2.- Side menu

The side menu is a help menu in addition to the floating icon.

It will appear on both sides of the screen and it is a replica of the floating menu.

We can enable or disable its display in Settings - System - Sidebar.



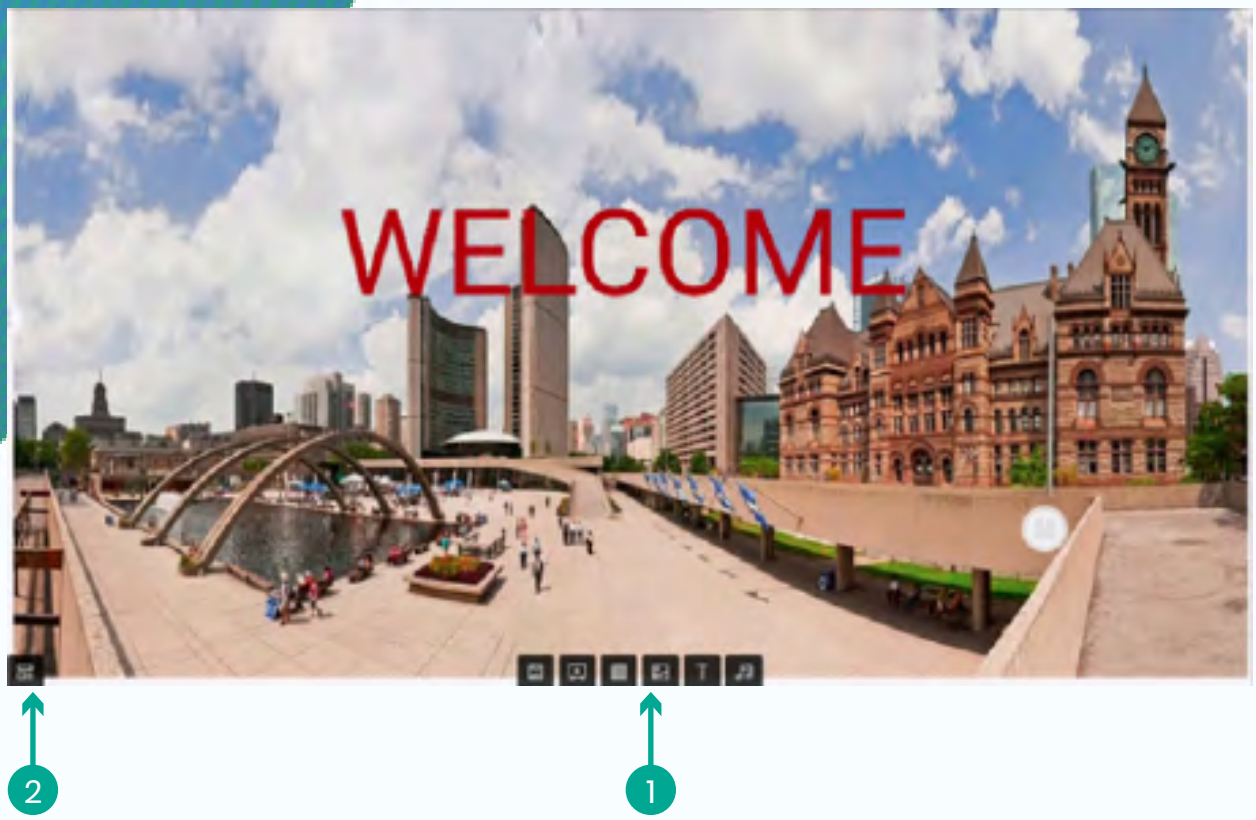


1. Back function
2. Annotation tool
3. Home Menu
4. Active windows
5. HDMI input
6. Quick access tools
7. Turn off device
8. System settings

6.-Digital Signage

The Android operating system of the OPS EDLA module has a signage function, which can be accessed from the home menu by swiping to the right.



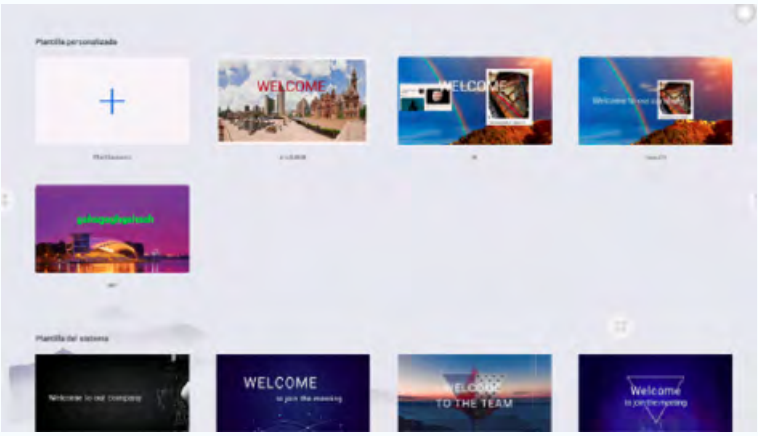


6. 1.- Template editing tools. *from left to right:

1. A.- Save template
1. B.- reproduction
1. C.- Background Image
1. D.- Additional images
1. E.- Inserted texts
1. F.- Add playback music

6.2.- Direct access to templates

Where we can choose between system templates, customized templates already created by the user or create a new template.



6.-Applications

The Android operating system that has the OPS EDLA module has the ability to install applications from the Google Play Store, but also have some own application embedded in the system.

7.1.- Own applications

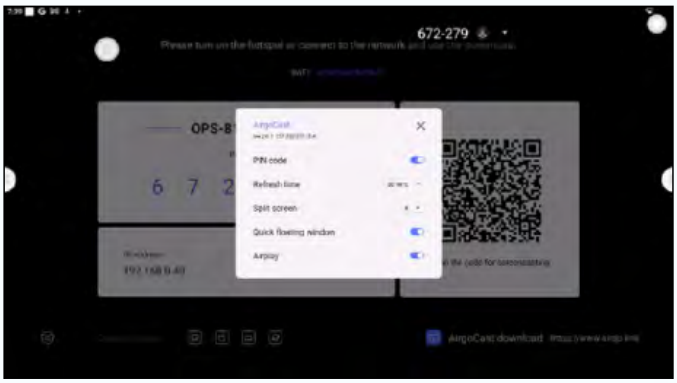
7.1.1.- Airgo

Airgo Cast is a system application that allows us to mirror the screen of our external device wirelessly. We find the application icon in the application menu, and we can pin it to the start menu if required.

In the main menu we will find the guide to connect, as well as the access code and the network where it is working.

Airgo Cast settings:





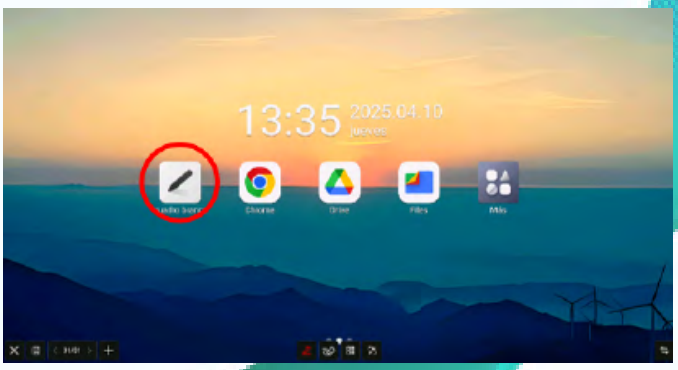
1.-**Connection:** Here we appreciate the different ways we have to replicate the image of our device, with code and application, with IP address or scanning the QR code.

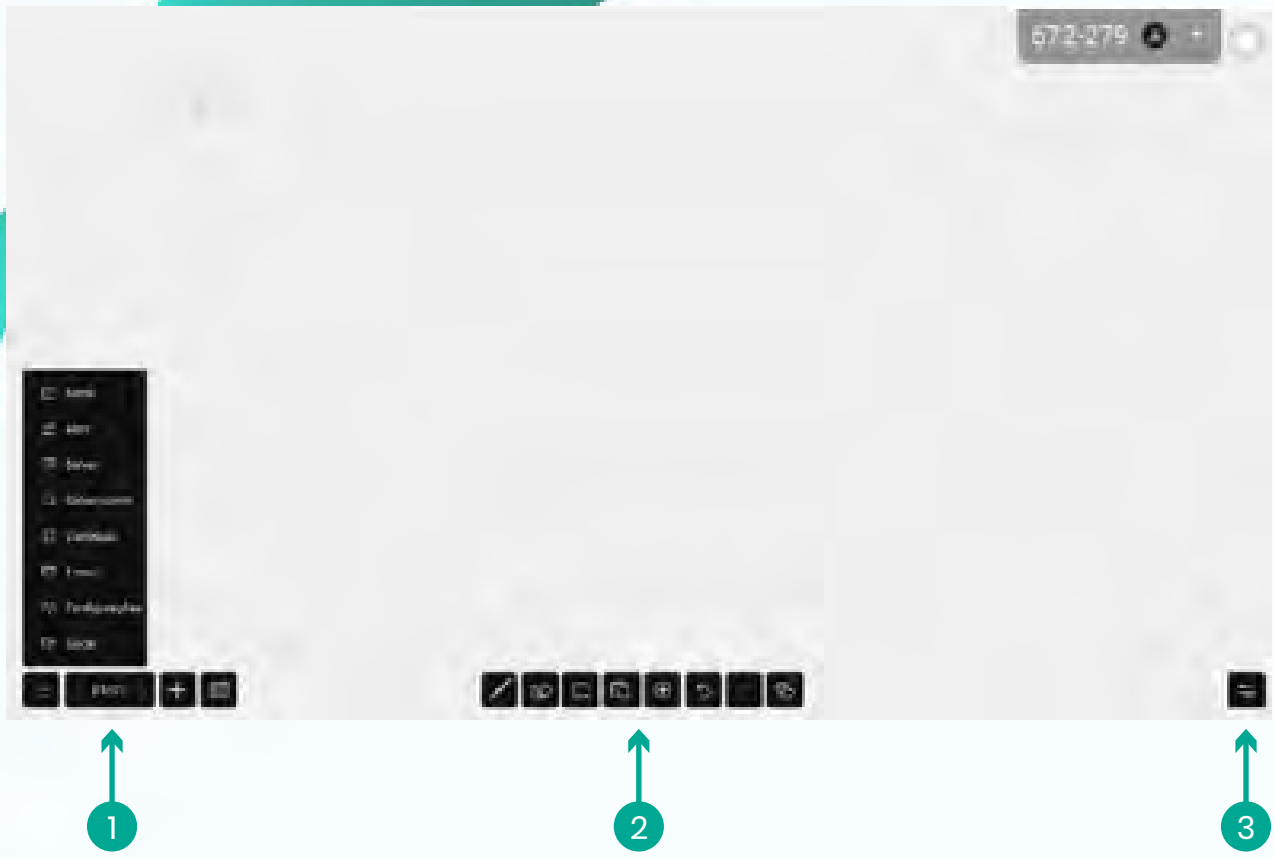
2.- Different guides for different operating systems.

3.- Airgo Cast settings

7.1.2.- Slate

The OPS Google EDLA module whiteboard is a simple but effective tool that allows us to have a digital whiteboard where we can take notes, paste clippings of any visualization and save them, to later share them via Drive, USB or QR code.





1.- **Whiteboard menu:** Here we can save, open, share with QR code, adjust the pointer precision and even change the background of the whiteboard to another color, or a fixed scheme of stripes or pentagram. In addition, we can add more pages to the whiteboard session.

2.- Slate tools.

3.- Switch to change the menu position from left to right.

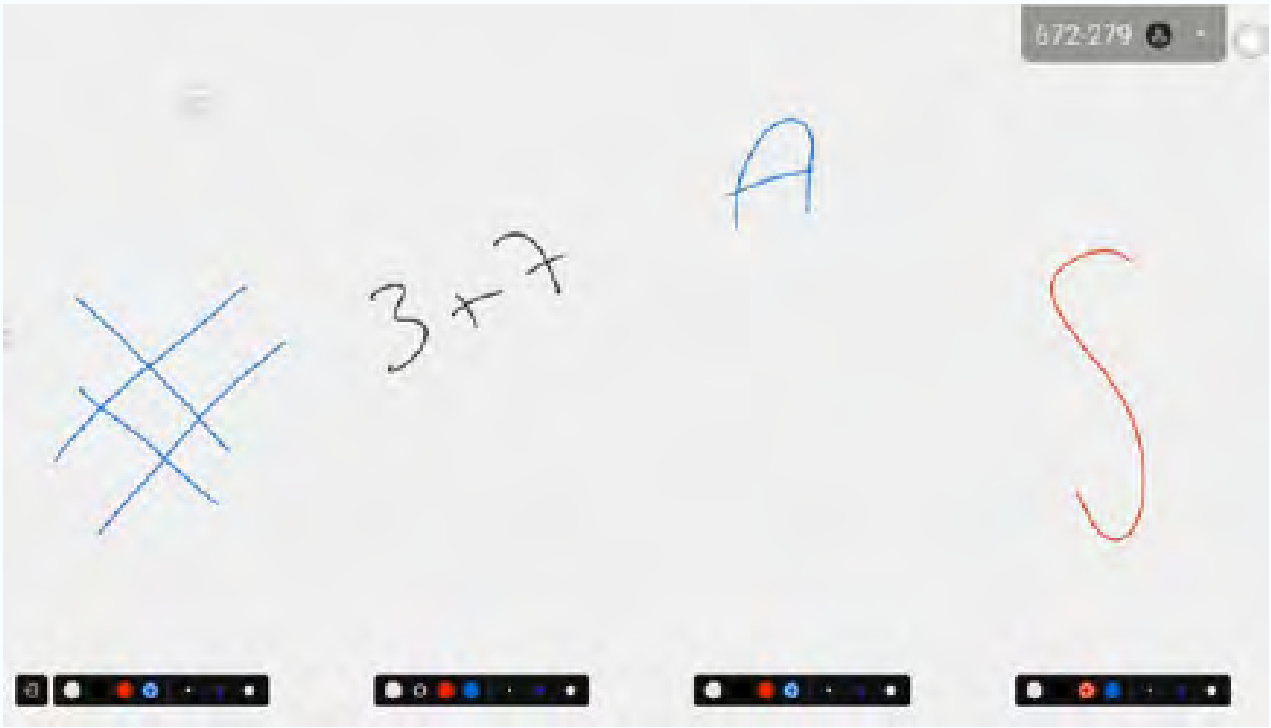
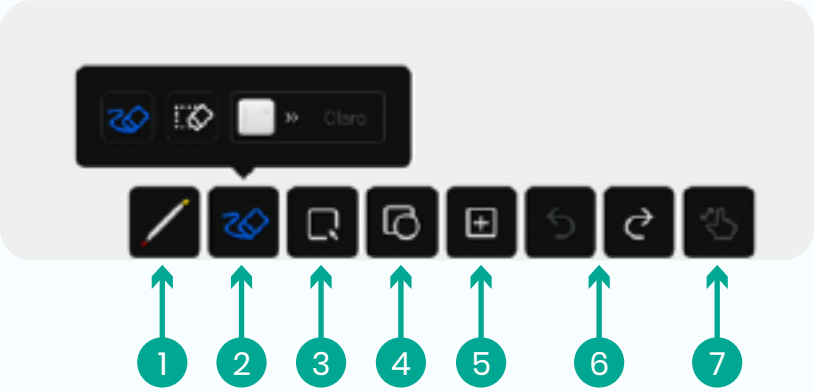


***Image of the visualization when working in 4 independent tool workspaces.**

SLATE TOOLS:



1.- Pointer: This tool allows us to change the writing pointer between different types, such as underline, handwriting recognition or shapes.



2.- Delete: here we can select what size we want to delete, delete a selection or the whole page.

3.- Selection tool: allows us to pick up a specific work area to change the size, position, color, etc...

4.- Shapes: allows us to select predefined shapes and place them inside the whiteboard.

5.- Add: Here we can add different tools such as diagrams, images or videos.
the latter can be reproduced on the whiteboard while we work on it.

6.- Forward/Backward: these arrows allow us to move forward or backward one step of the board, up to 16.
This allows us to be able to recover at any time from a typing error, for example.

7.- Switch work mode: Here we can select whether we work with one point, or multipoint. This means that, if we use with one point, it only detects a single writing element, but on the contrary we can zoom or move around the document using two fingers, for example. Multipoint mode allows us to write with more than one element at a time.

7.generic applications

We can download from the Play Store a multitude of applications, all certified by Google, as long as we have a Gmail account on the system. Any game application, series or movies or video conferencing could work if we download from the Play Store.

traulux by Charmex

USER MANUAL

OPS EDLA TLS8195A

Más información en traulux.net | info@traulux.net