User Manual

for Android operating system

Avtek TS 8.1 Mate G

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Introduction

The operating system installed on Avtek interactive monitors is a modified version of the popular Android system. It supports both basic operation of the screen monitor (e.g., switching between input sources or controlling audio volume), as well as offering a number of useful features and tools valued by both business and educational users, each of which is presented in this manual.

The device is equipped with a touch screen and can be operated by simply touching the surface of the screen.

To change the language, click on the clock in the upper right corner. This will cause

opening settings. Go to System/Language and select your preferred language from the list.

Basic service

After each launch display screen main screen will be displayed

automatically.

To navigate the main menu:

- tap the item you want to use, or

- use the side toolbar.

General settings

To configure general settings, tap the screen and swipe down or select the **General Settings** icon from the side toolbar.

Select Source (INPUT) : on the **General Settings** main screen, all image sources will be displayed as icons. Sources that are currently available will be highlighted with a highlighted green dot. To change the source, simply touch the icon of the source you want to use.

NOTE: *The PC will only be available as an image source if the module*

The OPS has been properly connected to its port.

Eye Care : Blue light waves, which are a component of all colors of light emitted by device displays, can cause eye fatigue and even lead to retinal damage and ultimately contribute to vision loss. Eye Care is a feature designed to relieve the user's eyes by reducing the intensity of blue light waves emitted by the display.

To enable Eye Care, move its slider to the right.

Adjust audio volume : to adjust audio volume, touch and move the volume control slider.

Brightness adjustment : to adjust the brightness of the display, touch and move the brightness adjustment slider.

Side toolbar

To view the sidebar tools, tap at side edge of screens.

Basic service

_ To hide the toolbar, tap

- To return to the previous screen or undo the last action performed in the supported application (if it can be undone), tap

- To return to the home screen, t a p
- To view all running applications, tap
- To go directly to **Notes**, tap
- To open a menu with a list of available applications, t a p
- To open and customize **tools** and **help** menus, s e l e c t

Recent tasks

To show all applications that are currently running in the background, t a p

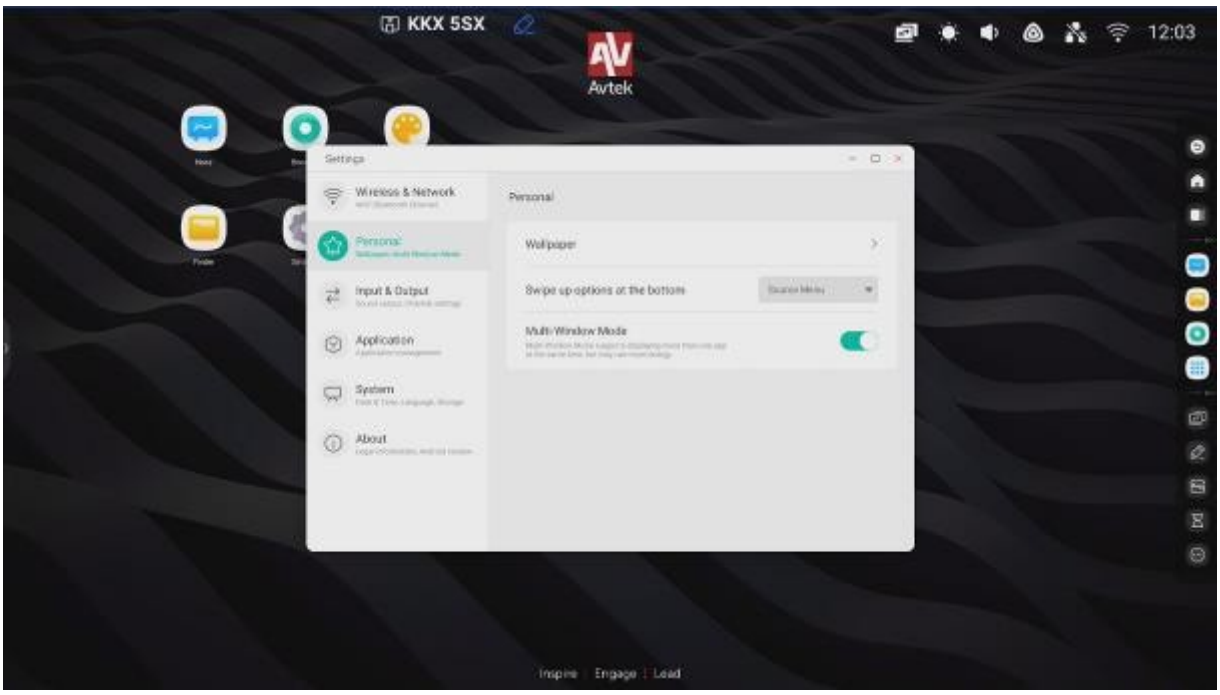
- You can scroll through the list of applications by touching its items and dragging them up or down.
- To select an application, tap its icon.
- To remove an application from the list (close it) click the "X" icon.
- To clear the entire list, scroll up and tap the "Clear All" icon.

Split screen / multi-window mode

Avtek UX 3.0 display firmware allows up to 4 applications to be displayed simultaneously in windowed mode. To do this, you need to perform the following activities:

1. Open settings

   Then go to the **Personal** tab and select the **multi-window mode**.

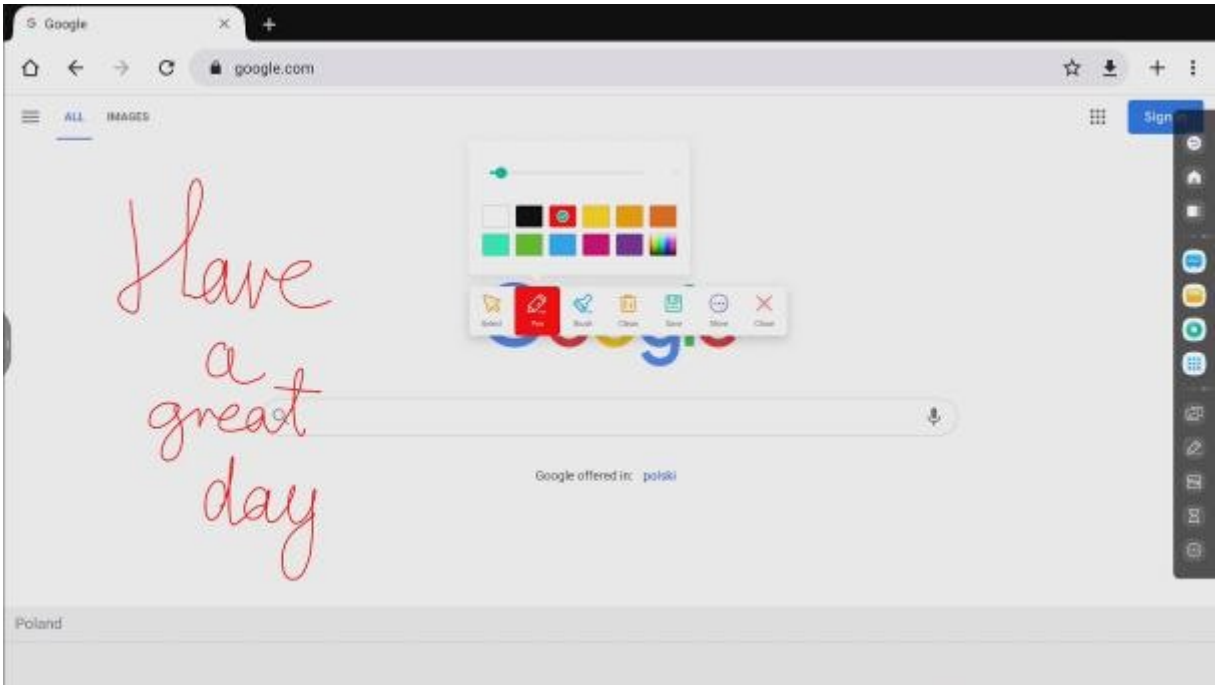


2. Restart the display to save the changes.
3. After re-start up display open any application. Then tap and hold the title bar (top edge) of that app.
4. Drag the app to one of the highlighted scales on the sides of the screen:
   - Top edge - full screen
   - Left or right edge - ½ screen
   - One of the corners of the screen - ¼ of the screen

Annotation menu

To open **the annotation** menu, tap

Tools for create annotations enable making notes on image displayed from any source.



- To take notes on the screen, tap the **pen** icon**.** To change the color and size of the pen, tap the **pen** icon**.**

- To write with a translucent highlighter, tap the **highlighter** icon. To change the highlight color, tap the highlighter icon**.**

NOTE: *To erase notes, you can touch the screen with your whole hand, which will activate eraser mode.*

- To delete all annotations at once, tap the "**Clear**" icon.

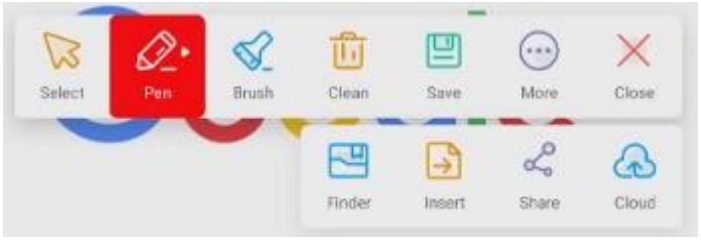
- To save all annotations to a PNG image file, tap the "**Save**" icon.

- Previously saved notes can be edited using the "**Finder**" icon.

- To insert an annotation screen into the Note application, click the "**Insert**" icon.

- To share the annotation screen via QR code, use the "**Share**" icon.

- To upload the annotation screen to the cloud, use the "**Cloud**" icon.

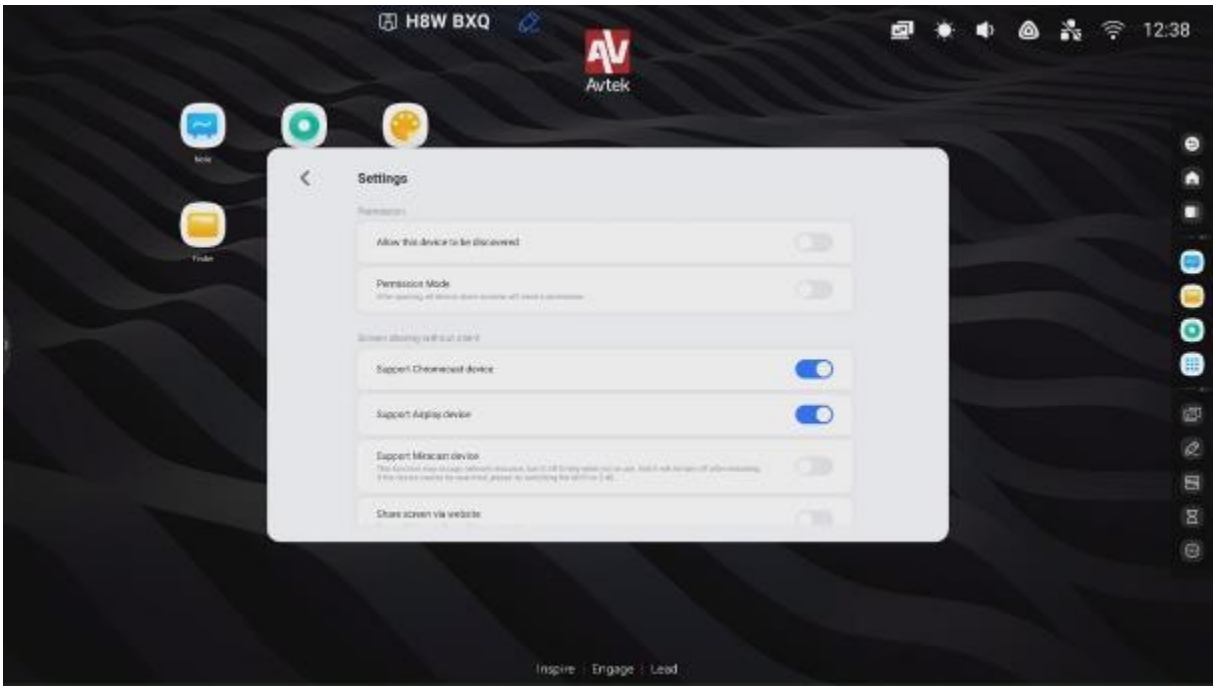


Bytello Share

To open **Bytello Share**, tap the icon.

or

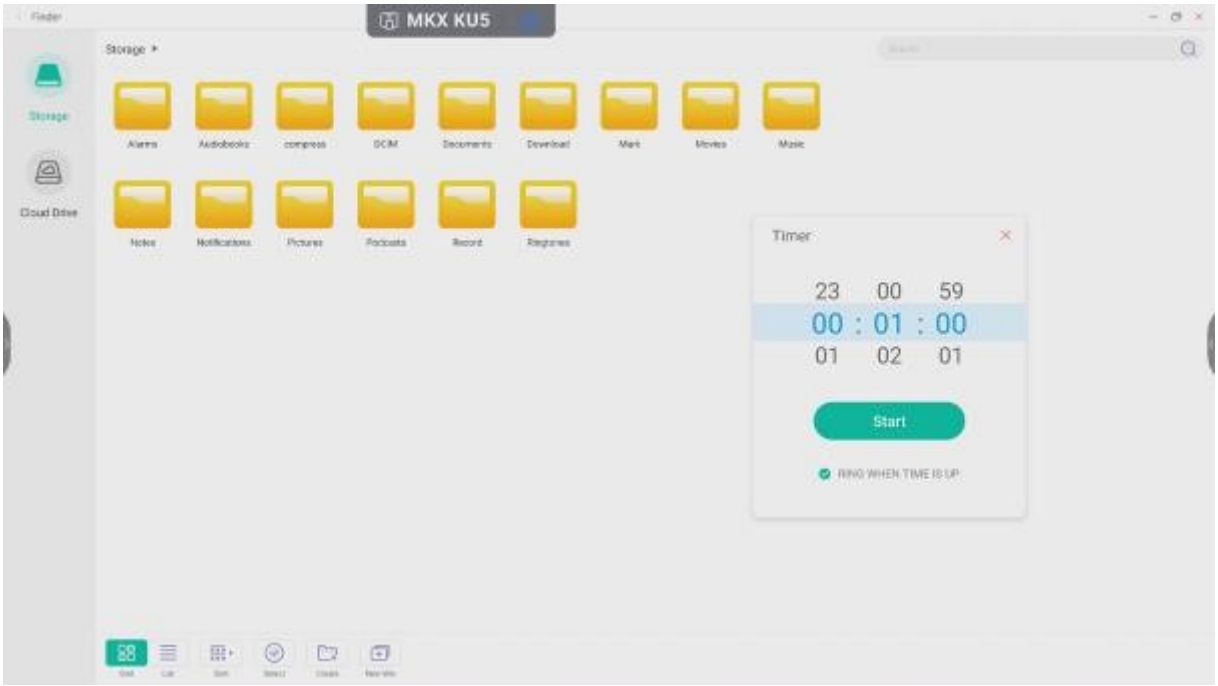
Bytello Share allows you to connect your display and compatible devices wirelessly. The connection can be established using the Bytello App installed on another device or via Chromecast, Airplay or Miracast, which can be found in the Bytello settings menu.



Full instructions for Bytello Share can be found below, in the "Bytello Share" section.

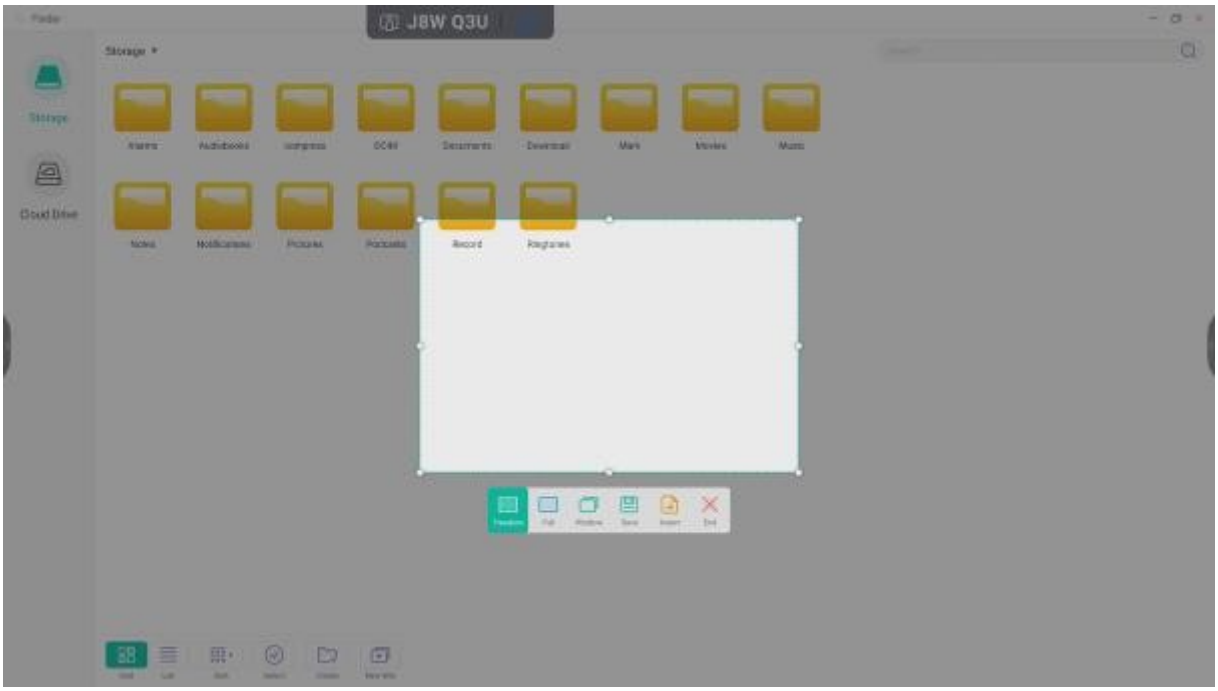
Timer

To open **the Timer** touch



Screenshot menu

To open **the Screenshot** menu, tap



The default mode is "Freedom"

NOTE: *To customize the area covered by the screenshot to your preference, tap and hold its white handle icons,* *and then drag them according to the requirements.*

- Tap "**Full**" to take a screenshot of the entire screen.
- Tap "**Window**" to limit the screenshot to the current view.
- Tap "**Save**" to save the screen area selected as the screenshot area as a PNG image file.
- Tap "**Insert**" to send the screenshot to the Note app.
- Tap "**Exit**" to exit **the Screenshot** menu**.**

NOTE: *You can also take a screenshot of a part of the screen that contains some notes made using the* ***Annotation*** *menu. To do this, first turn on the* ***Annotation*** *menu and use it to take notes, then reopen the side toolbar and open the* ***Screenshot*** *menu from it.*

Freeze/swap

To freeze the screen and enlarge a selected part of the screen, tap

- Tap "**+**" to zoom in.

- Touch "**-**" to reduce the magnification.

- Tap "**Fullscreen**", to return to original view screen without

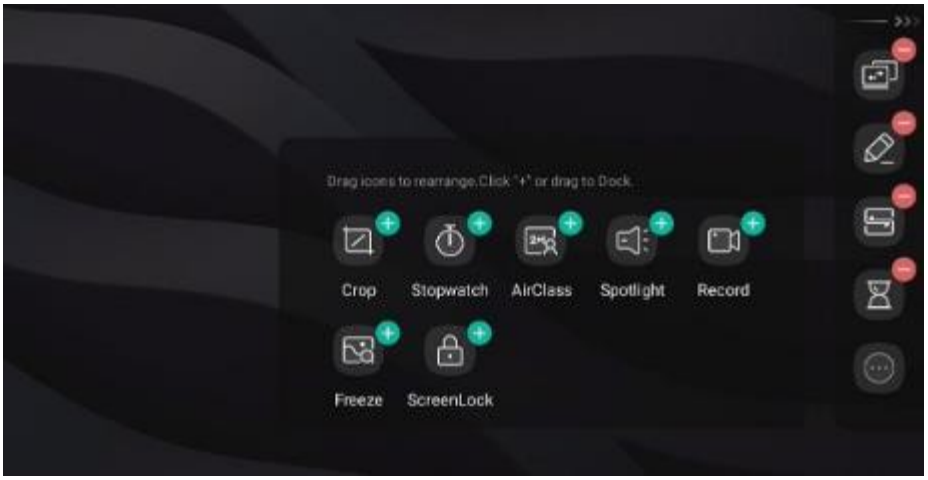
magnifications.

- Touch "X" to turn off **Freeze/Zoom** mode**.**

Additional support tools

To open **the auxiliary tools** menu, select

- Touch to turn on the **Stopwatch.**
- Touch to enable **AirClass** mode**.**
- Touch to turn on **Spotlight**. You can use this feature to focus viewers' attention on the part of the screen you want them to look at.
- Touch to lock the screen (optionally set a password).



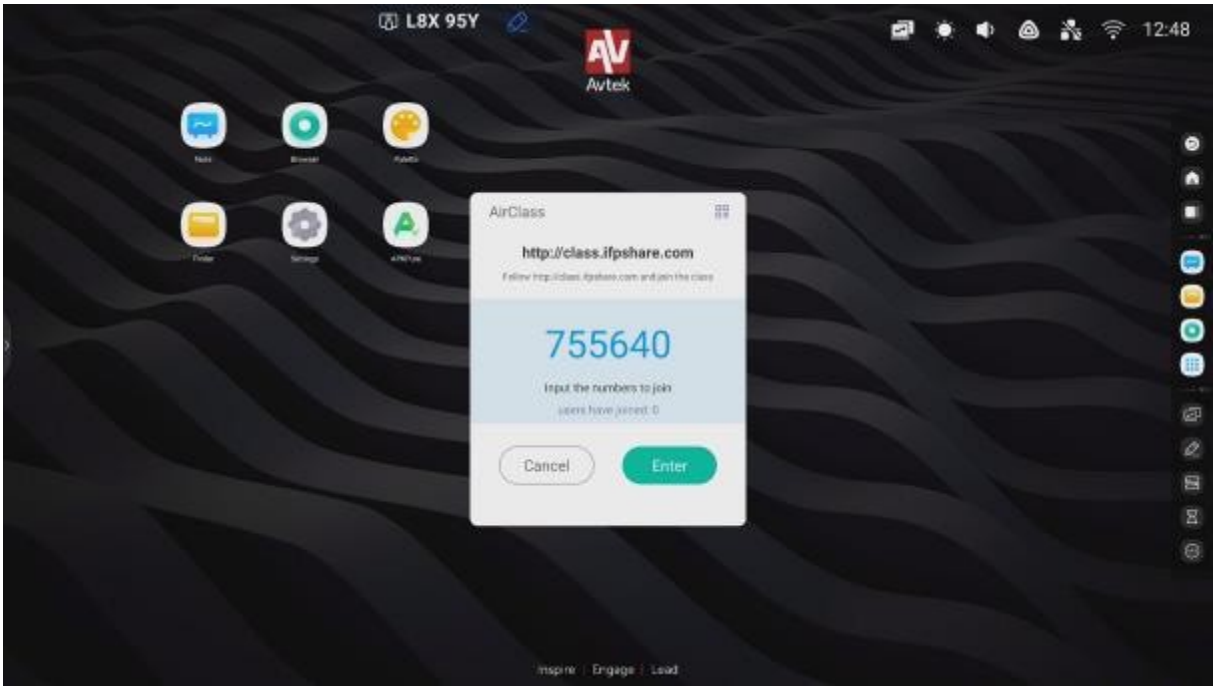
To customize the toolbar, touch and hold the icon of any tool for a moment.

T o o l b a r editing mode will be activated. Use "+" to add

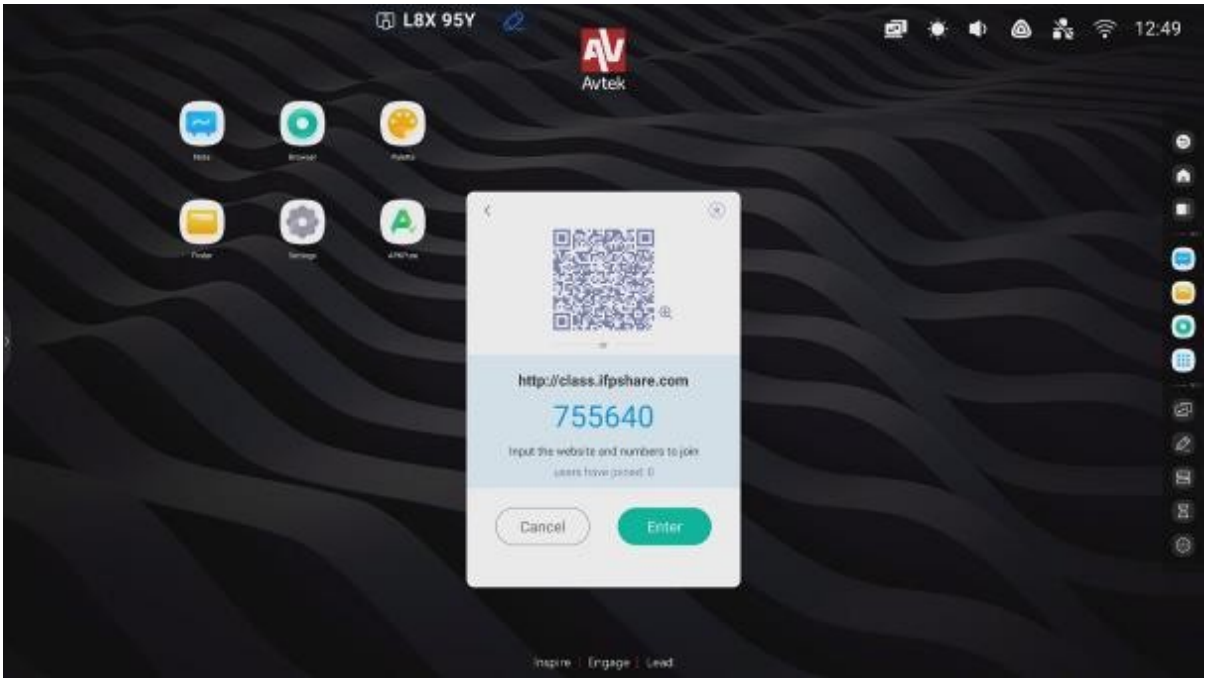
another tool to the side t o o l b a r . Use "-" to remove the tool from the side toolbar.

How to use AirClass

Touch, to enable the AirClass function, the audience response. A dialog box with the connection code will be displayed.



By touching the QR icon in the upper right corner of the window, you can display the QR code.



To use the AirClass feature:

1. Connect the interactive display to an available WiFi network.
2. Turn on WLAN (wireless network access) on the devices that will be used by the audience to answer questions. Then connect these devices to the same WLAN (wireless network) to which the interactive display is connected.

NOTE: *All mobile devices used by listeners must be connected to the same WLAN.*

3. Scan the QR code or copy the URL displayed below it into the address bar of your web browser. If you have the latest firmware version installed, you can skip this step and open http://class.ifpshare.com in your browser and enter the code shown on the screen there.
4. Type your name and press **Enter** to join the class.
5. Touch **Enter Class** to start the session.

NOTE: AirClass is a feature that can only be used to present **answers**. The **questions** that AirClass is used to answer can be presented to the audience, for example, as slides of the Note application, annotations made on images, or can be spoken by the presenter.

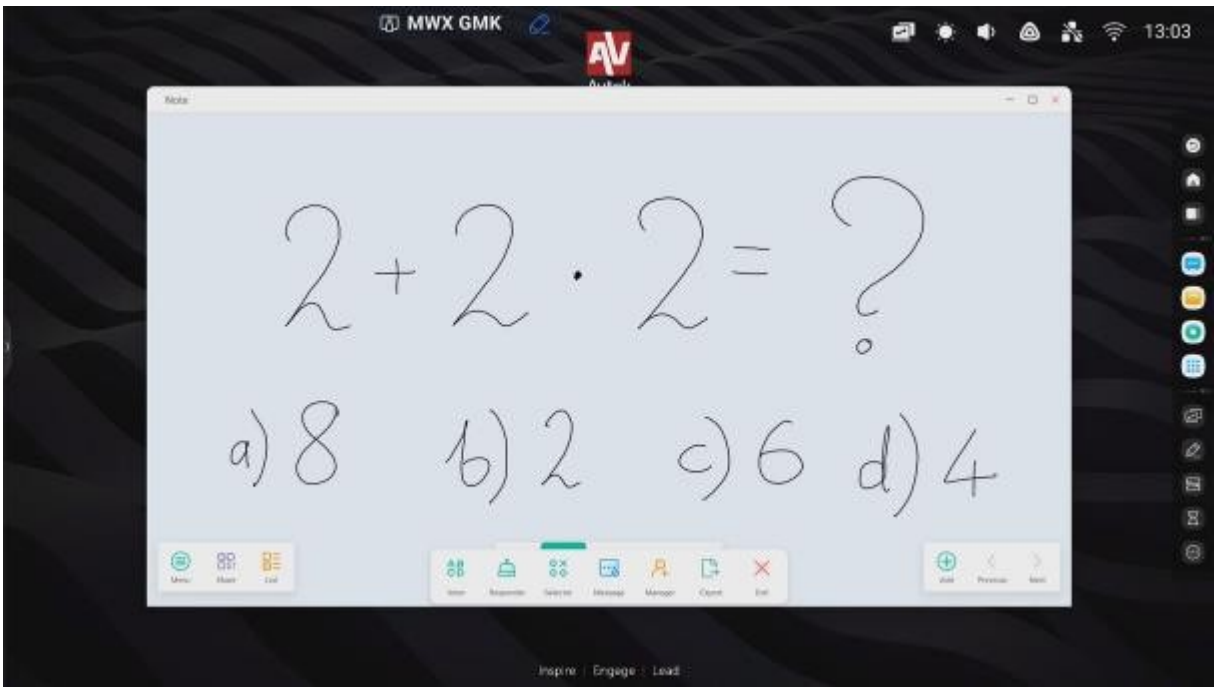
AirClassmay be used in the following modes:

- **Voter** (Poll), which can be carried out as a single choice of or multiple choice.
- **Responder** (Winner takes all) - the first person to respond with a Its device is designated as the winner.
- **Selector** (Pick Audience), where a random user - or many random ones users - is selected from among all logged in recipients.
- **Message**, that enables/disables posting of comments via Users.
- Touch the following icons to:

redisplay QR code, export results, exit AirClas

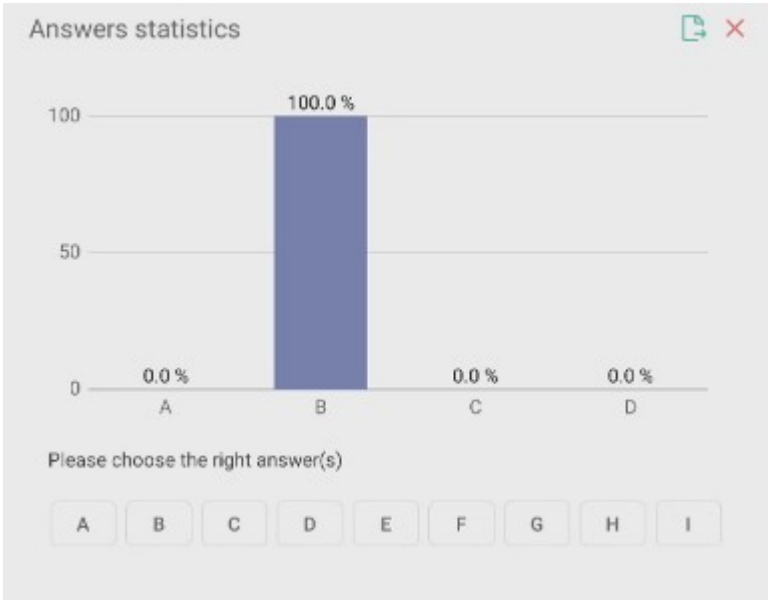
Voter *(Voting)*

Scenario example: A question is asked using Note, and answers are collected using Voter single-choice mode.

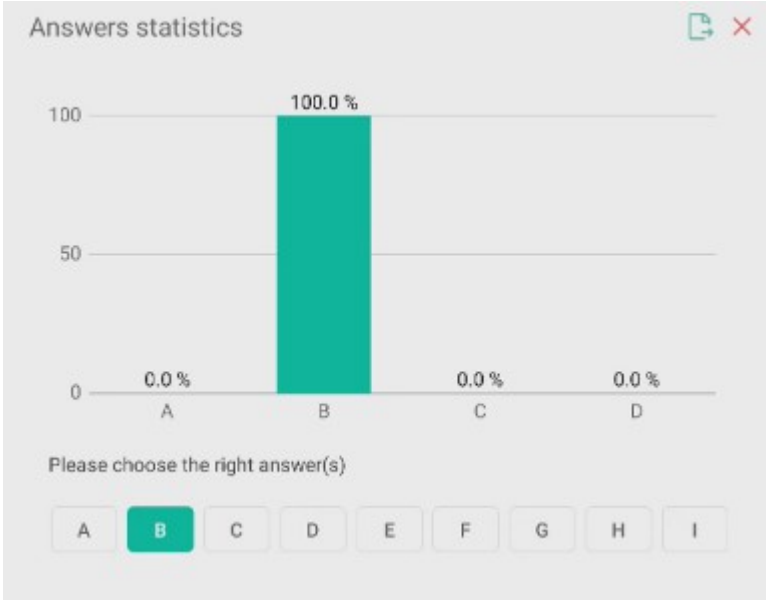


1. To start collecting responses (votes) from the audience, click the **Start** button. The names of users who have submitted their answers (votes) will be marked with blue icons in the list.

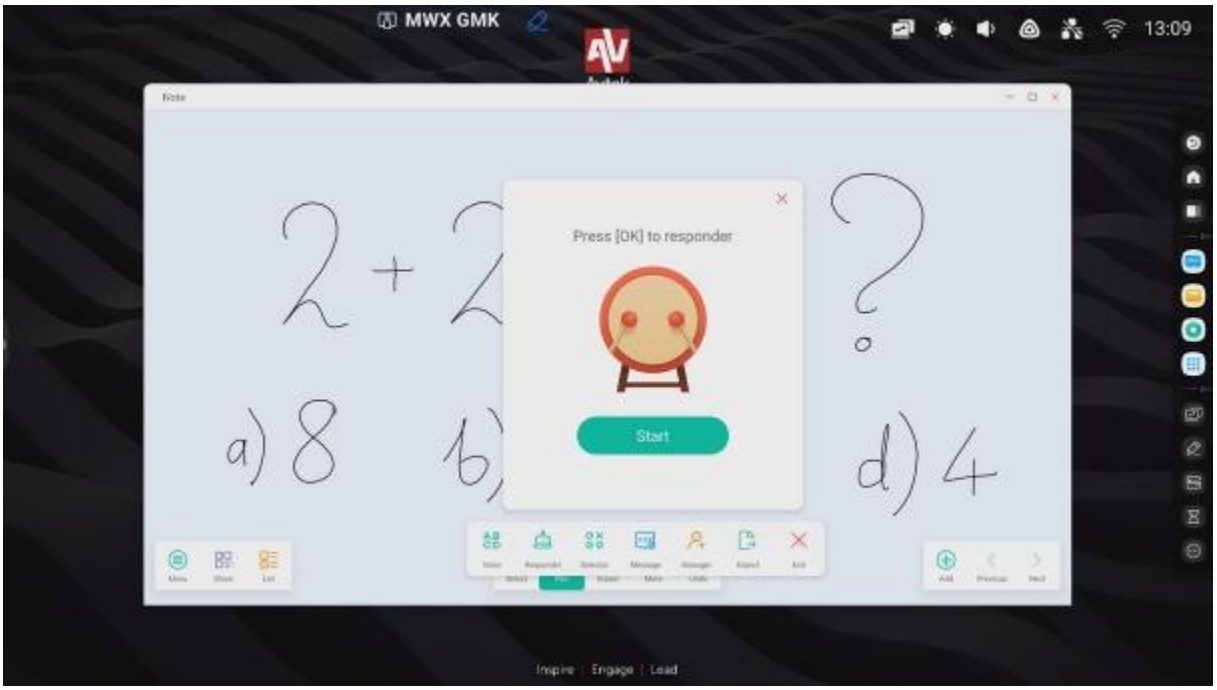
2. To finish accepting responses, click the **Finish** button. The response statistics (votes) screen will appear.



3. Here you can also indicate the correct answer.



Responder *(The winner gets everything)*

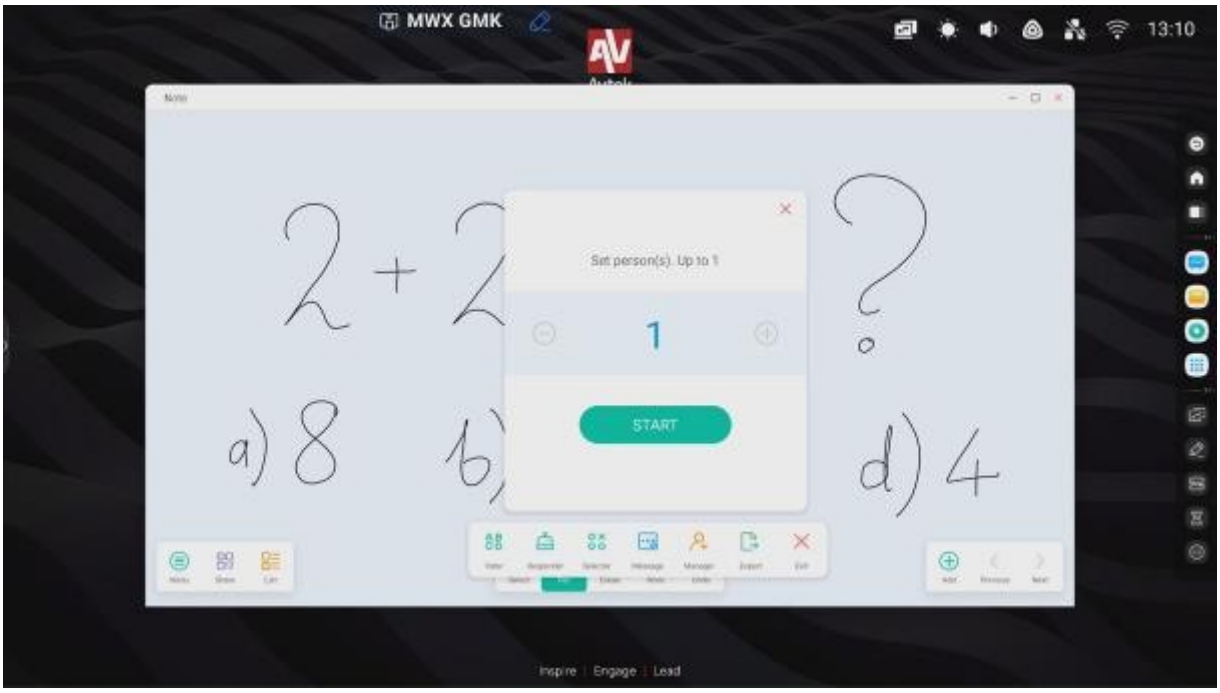


The first user from the audience to answer wins and his name is displayed.

Responder mode can be used, for example, in games in which only the first participant to respond has the right to respond, or in which the first to respond becomes the winner.

Selector

In this mode, the application will draw one or more participants from among all connected users in the audience.



Message

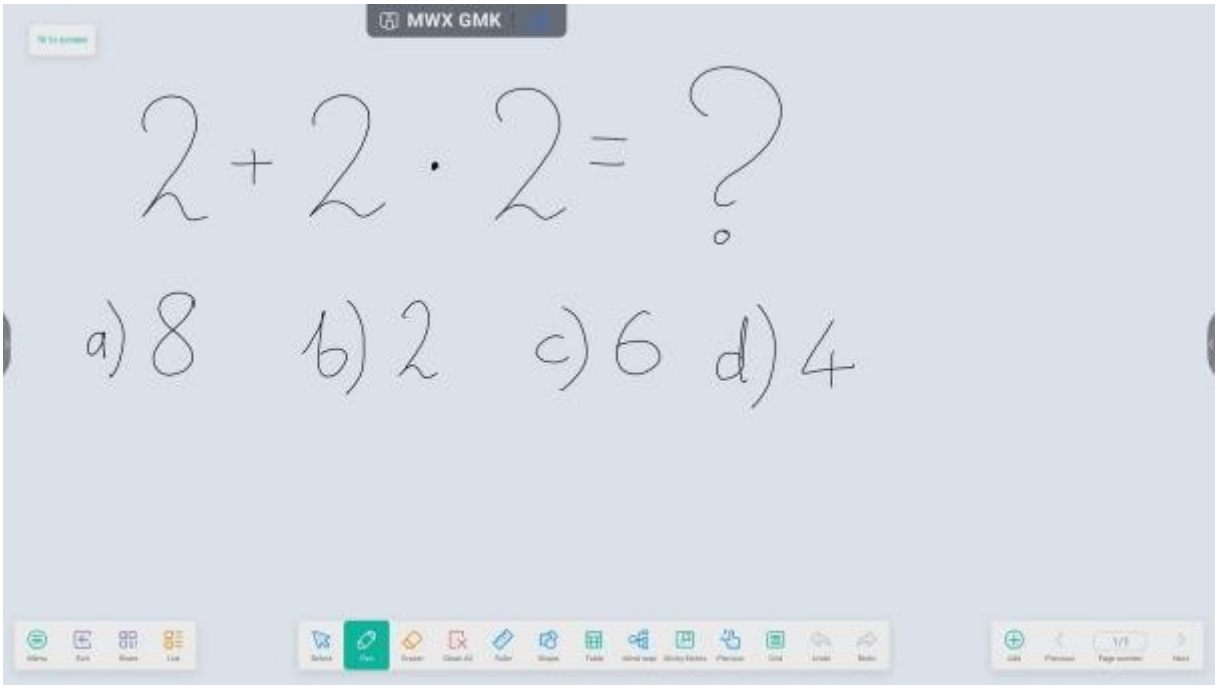
Users can be allowed to send their comments in text format, and these comments are then displayed on the screen.

Note - a note-taking application

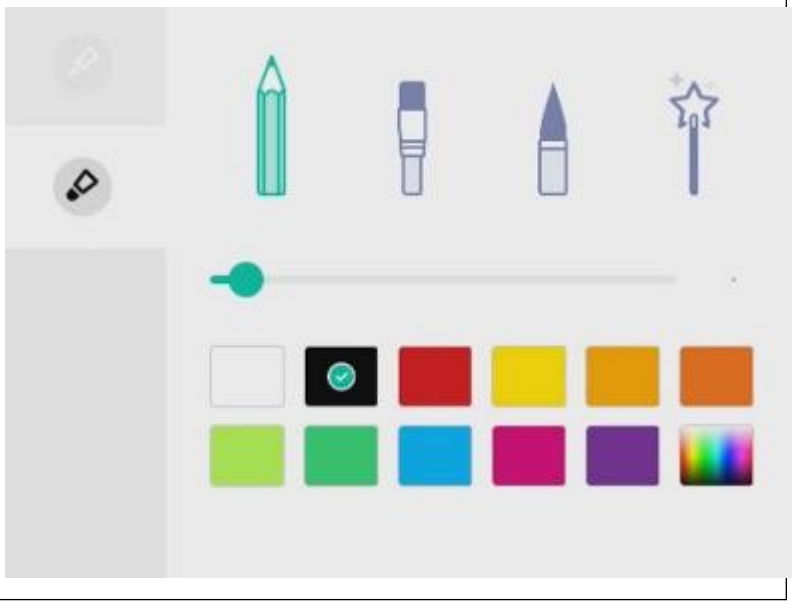
To launch Note, tap its icon on the desktop:

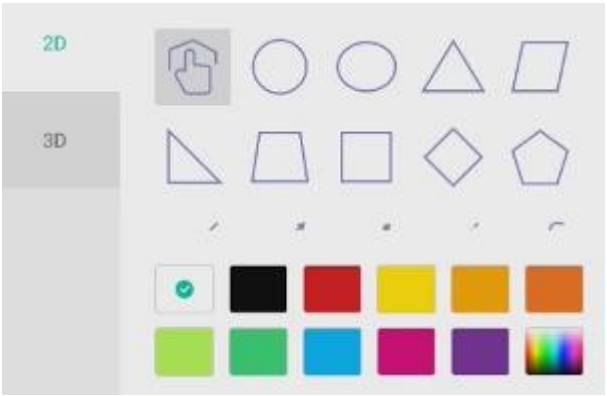
The application provides a workspace that acts like a virtual chalkboard on which you can write and draw, including making handwritten notes on any images pasted into it.

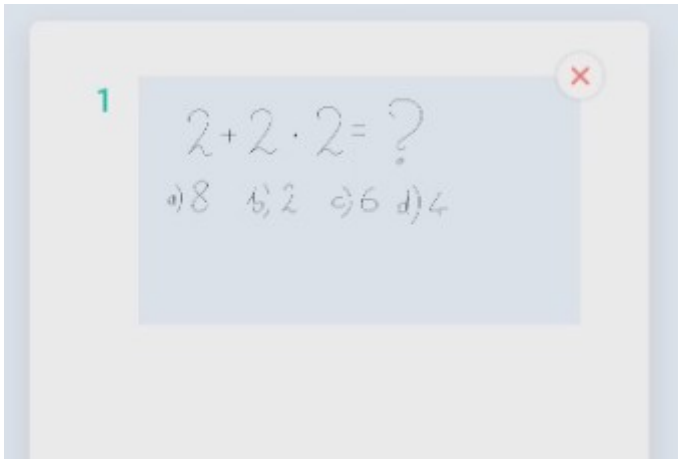
Basic service



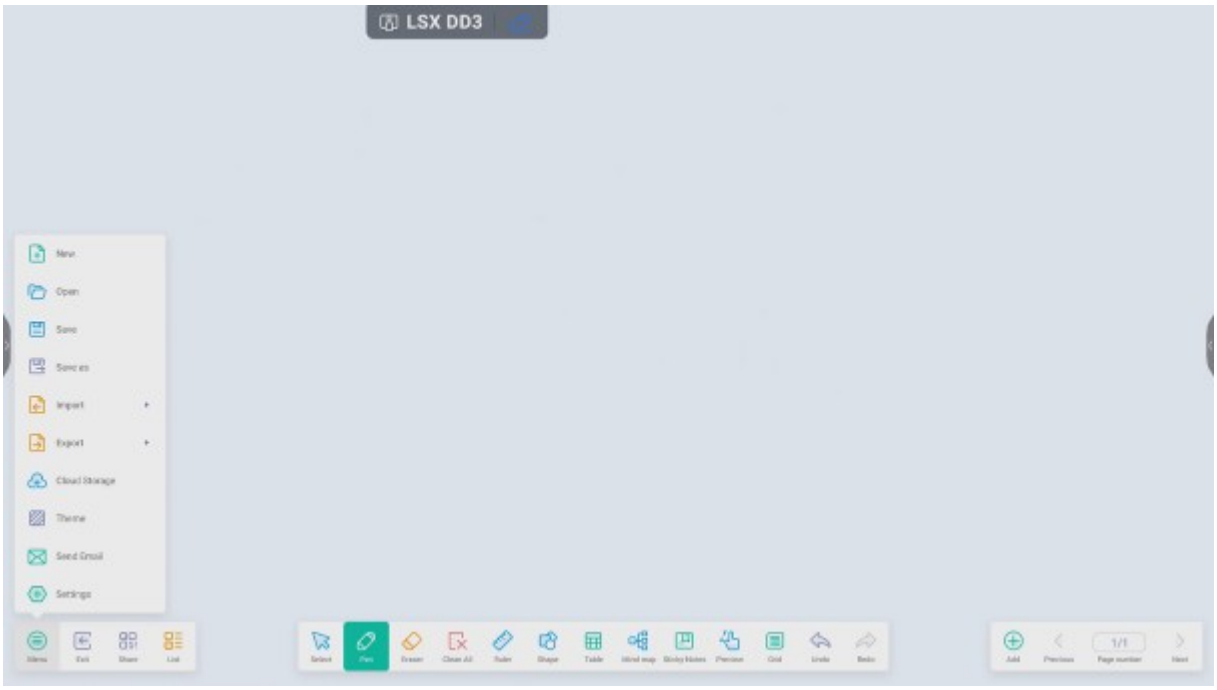
Icon	Name	Action
	Menu	Opens a menu offering additional tools.
	Output	Application outputs.
	QR code	Provides a QR code so users can download all notes to their devices scanning it.

		 NOTE: *All mobile devices used by viewers must be connected to the same WiFi network as the interactive display.* **NOTE**: *Click the QR code to enlarge it, allowing viewers to scan it even from a larger distances.*
	List	Creates a list
	Choose	Cursor can be used to selecting i Moving objects on the workspace.
	Pen	Use the pen to write on the work area. Touch again to select the type, thickness and color of the pen. 

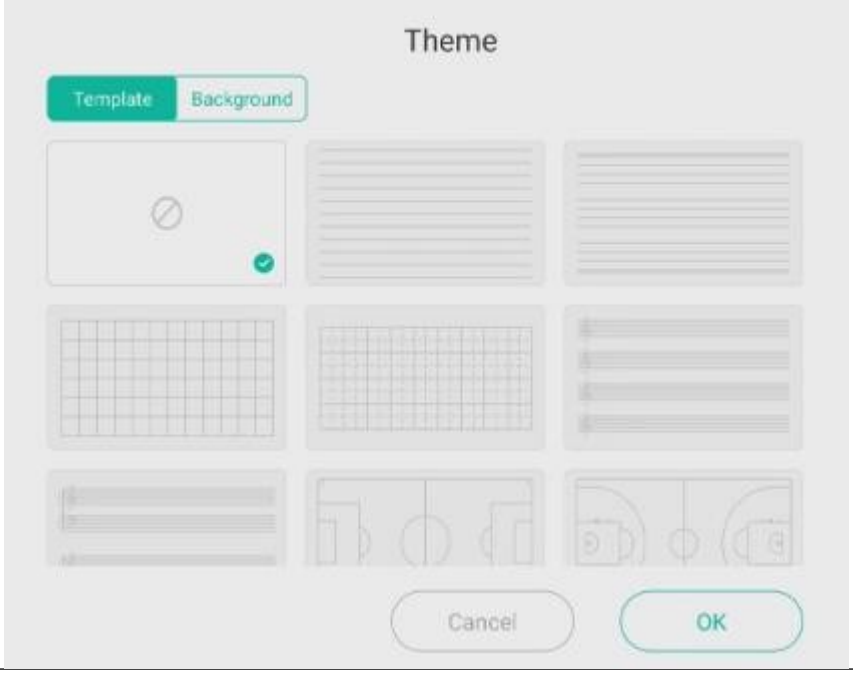
		Depending on the display model, you can also choose the type, thickness and color of the pen to get the Various thicker or thinner writing implements.
	Eraser	Use it to erase (remove) handwritten annotations and objects. **NOTE**: *You can also erase annotations by placing your entire hand on the screen. Note: this technique does not allow* *On erasing objects.*
	Clear	Clears the entire sheet visible on the screen.
	Ruler	Function this allows to insert several basic tools mathematics: rulers, Two types of squares and a protractor.
	Shape	Use it to draw objects. Touch again to select the type and color of the object you want to draw. 
	Table	Inserts a table.
	Map of thoughts	Inserts a mind map.
	Preview	With this function, you can move the entire page And zoom in and out of it.

	Back	Undoes the last action performed.
	Renew	Undoes the last "backward" operation.
	Cards self-adhesive	Allows you to add annotations using the keyboard screen.
	Grid	Allows you to add a grid.
	Add page	Adds new page.
	Previous website	It goes to the previous page.
	Next website	It moves to the next page.
1/1	Page counter	The counter shows how many pages are open and which page is currently displayed. When clicked, it shows a navigation menu that includes a thumbnail preview of each page. 

Menu



Icon	Name	How it works
	New	Opens a new blank document.
	Open	Opens an existing document.
	Save	Saves the current project.
	Save as	Saves the current project as...
	Import	Use it to import a file into the current page. You can import and embed images, PDF and SVG files.

	Export	Use it to export existing notes, saving them in the file formats listed in the "Import" section.
	Cloud	Sends existing notes to the cloud. This feature has been discussed in more detail in the Cloud Drive section later in this manual.
	Subject	Use this function to set as background a plain color, pattern or custom image. 
	Send by mail electronic	Allows you to share your project via email.
	Settings	Use Settings to customize some additional features, such as setting the desired brightness level when using the app or disabling the draw option two pens at the same time.

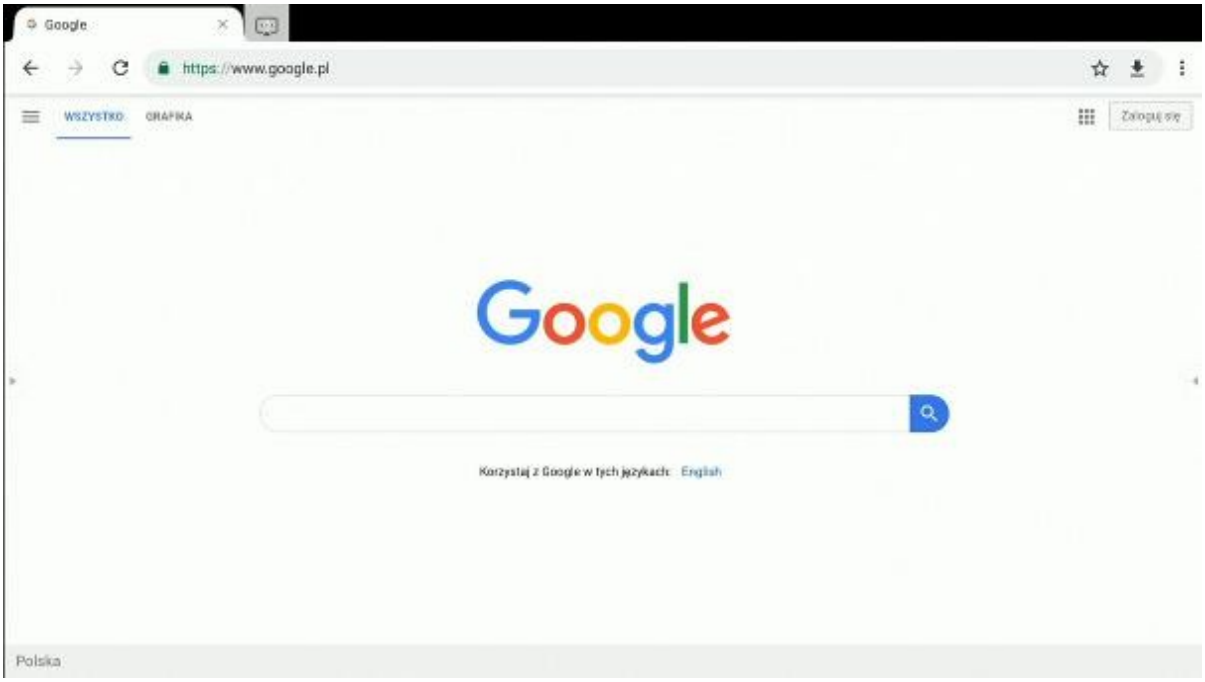
System settings

To open the Operating System Settings, click

Icon	Name	How it works
	Wireless network and Ethernet	Configure wireless network (WLAN), Ethernet, Hotspot, Bluetooth or VPN settings.
	Personalization	Configure the background, multi-window mode and several other custom settings.
	Input and output	Set sound, peripherals or other external audio or video sources here.
	Application	Manage your applications here.
	System	Here you will find basic system settings for your device, such as language, date and time, system updates or security settings.
	About the program	Displays several key details about the device.

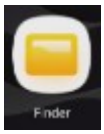
Web browser

To open a web browser, click



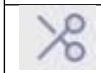
Finder - file manager

Basic service

To open **Finder**, click 

Finder is a file management application that provides access to files stored in the display's internal memory and on any storage devices that may be connected to it, such as USB flash drives.

Icon	Name	How it works
	Grid/list	Show files on a grid or as a list.
	Sort	Select the method of sorting files here.
	Choose	Turn on mode selection, to select multiple elements.

	New folder	Create a new folder.
	New window	Open another instance of Finder in a separate window
	Copy	Copy the selected item to the clipboard.
	Paste	Paste an item from the clipboard.
	Cut out	Cut the selected item to the clipboard.
	Delete	Deleting the selected item.
	Rename	Edit and rename the selected file or folder.
	Send	Share the selected file: - to a connected USB drive - use of QR code - creating a shortcut on the desktop **NOTE**: *All mobile devices used by viewers must be connected to the same WiFi network what the interactive display.*

Set or change the wallpaper

To change the desktop wallpaper of an interactive display, first prepare an image to be used as the new wallpaper. You can download the image file from the Internet or save it to a USB drive.

1. Select the file you want to set as the new wallpaper and double-click it. It will be displayed in a new window.
2. Touch the **Wallpaper** button**.**
3. Select **Set as background.**

Dashboard settings

Abbreviations

You can place shortcuts to applications on the desktop. To add an application to the desktop:

1. Touch and hold the app on the sidebar.
2. Drag the application icon to the display desktop.

Bytello Share

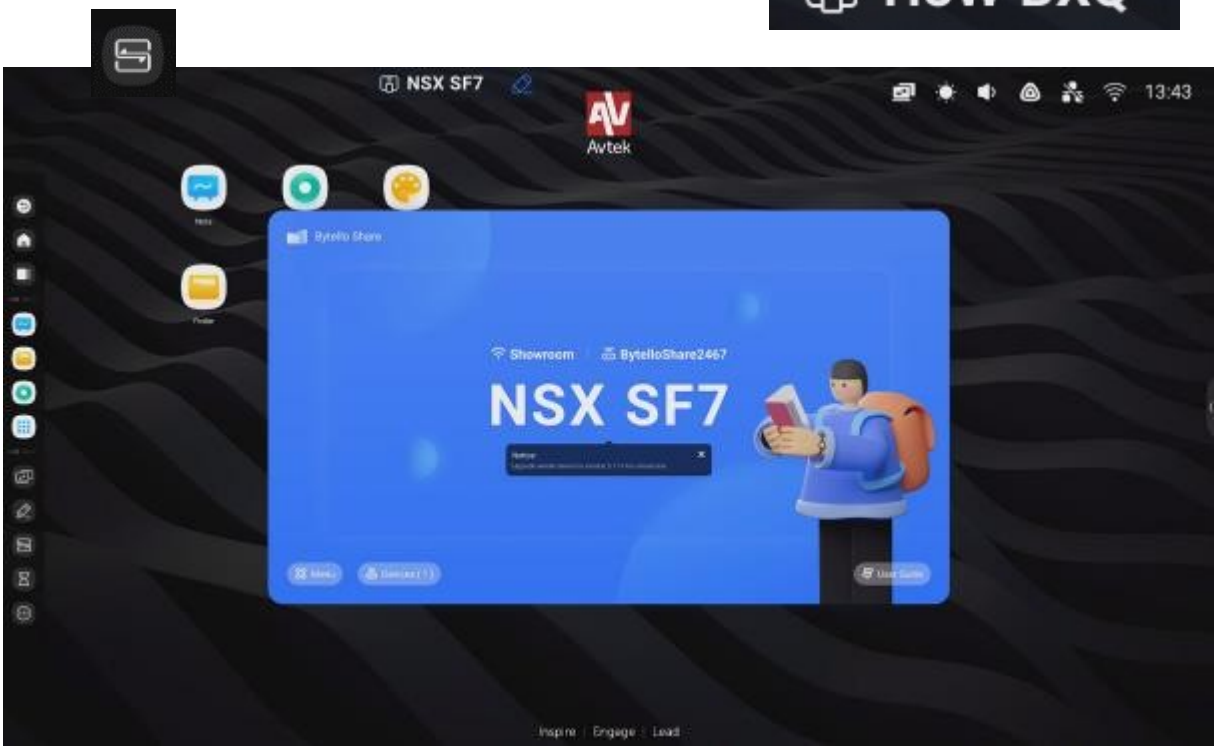
Bytello Share is a wireless screen mirroring (screen sharing) application that allows users of mobile devices or PCs to display their screens on an interactive display connected to the same WiFi network.

NOTES:

All mobile devices used by viewers must be connected to the same WiFi network as the interactive display.

Make sure the interactive display is connected to the Internet. A high-speed Internet connection is essential for smooth operation of screen mirroring.

To open **Bytello Share**, tap the or icon.



Compatible operating systems:

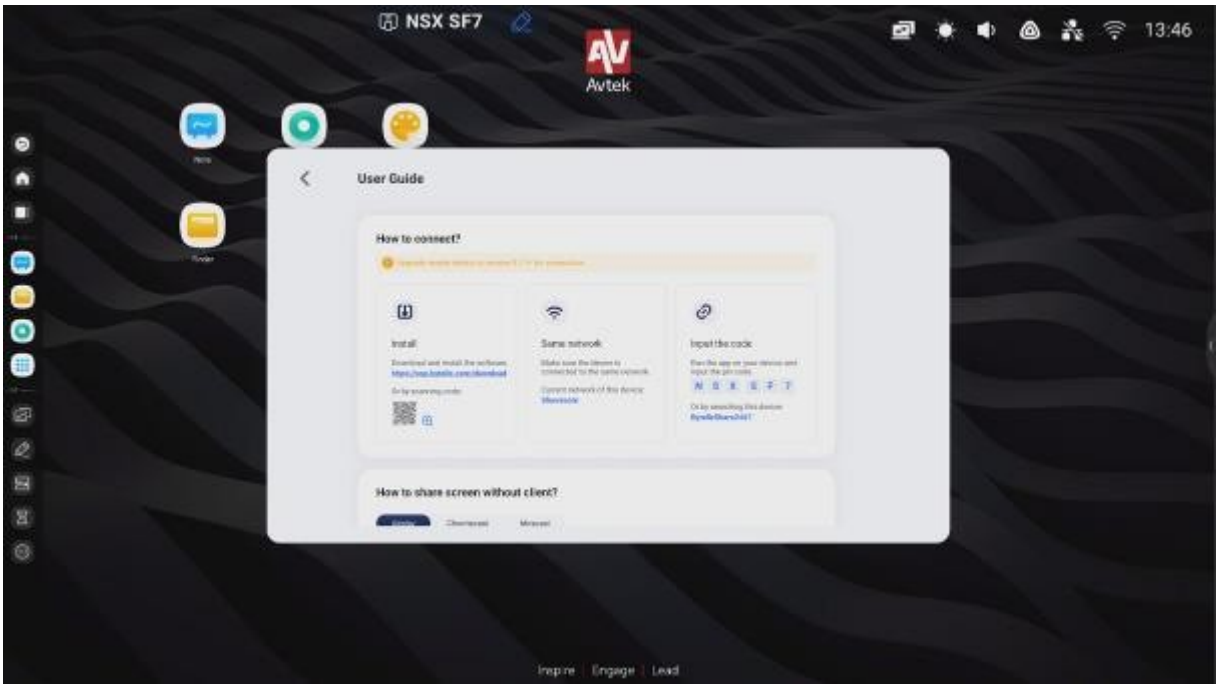
- Windows 7, 8, 10, 11
- MAC OSX 10.8 or later
- iPhone iOS 9.0 or later
- Android 5.0 or later

Instructions for mobile device users:

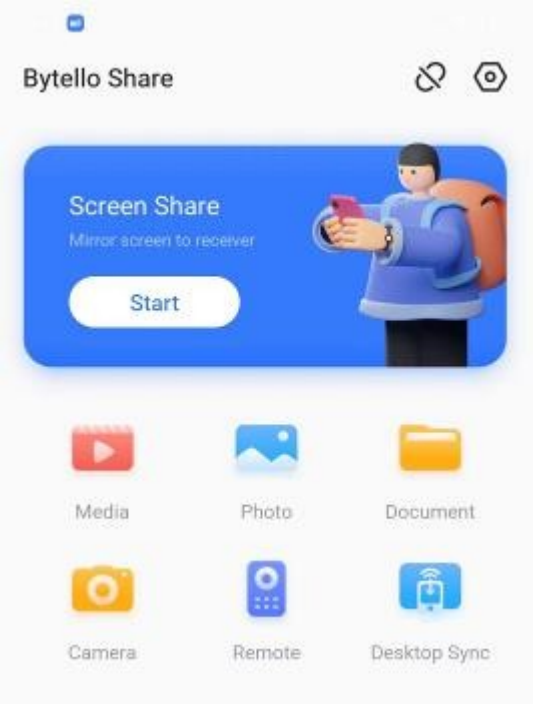
1. Download the Bytello app.

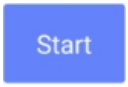
If your device runs Android or iOS, you can download the Bytello from Google Play or the App Store, respectively.

Alternatively, ask the user of the interactive display to tap the **Instructions** button and scan the QR code, which will then be displayed using the mobile device's camera.



2. Enter the code displayed on the interactive display in the prompt field shown by the mobile app to pair it with the display.



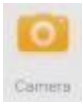
Click, 

to start mirroring your mobile device's screen on the interactive display.

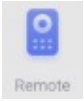
NOTE: *Up to four mobile device users can simultaneously mirror their screens on the interactive display.*

To stop mirroring the device screen, click

- Icons allow send to monitor respectively The following types of content: audio and video files, images and documents. In this mode, a file will need a reasonable amount of time to be completely uploaded before it can be displayed on the interactive monitor.

- To enable camera video sharing, click t h e b u t t o n 

In this mode, you can choose the video quality and frame rate, and you can stop the video on the screen at any point.

- Click, 

to use your mobile device's screen as a touchpad to remotely control the interactive display.

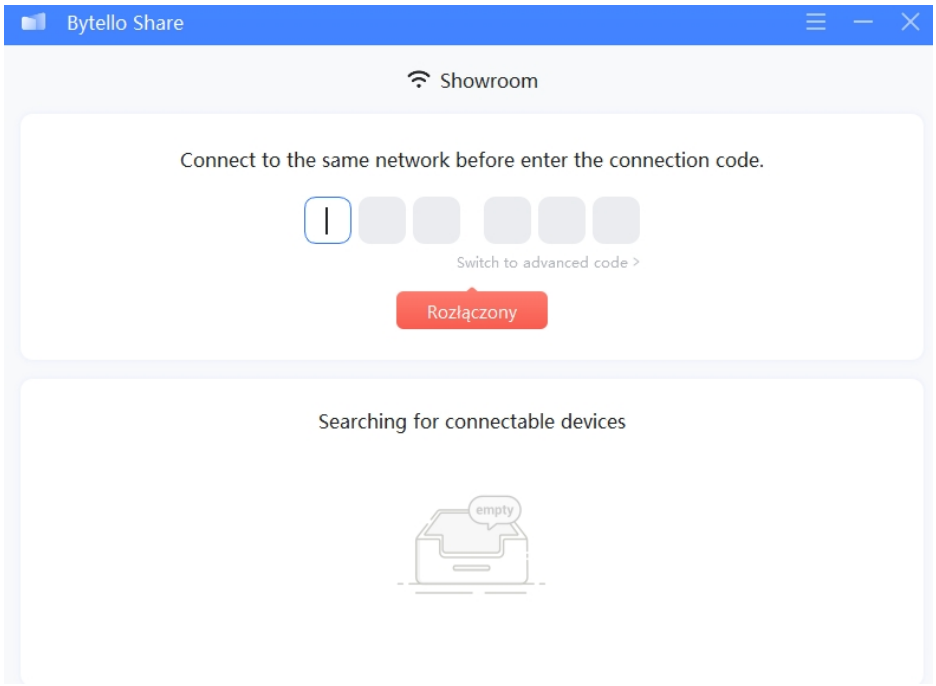
- Click,

to reflect the interactive display screen on your mobile device and control the display.

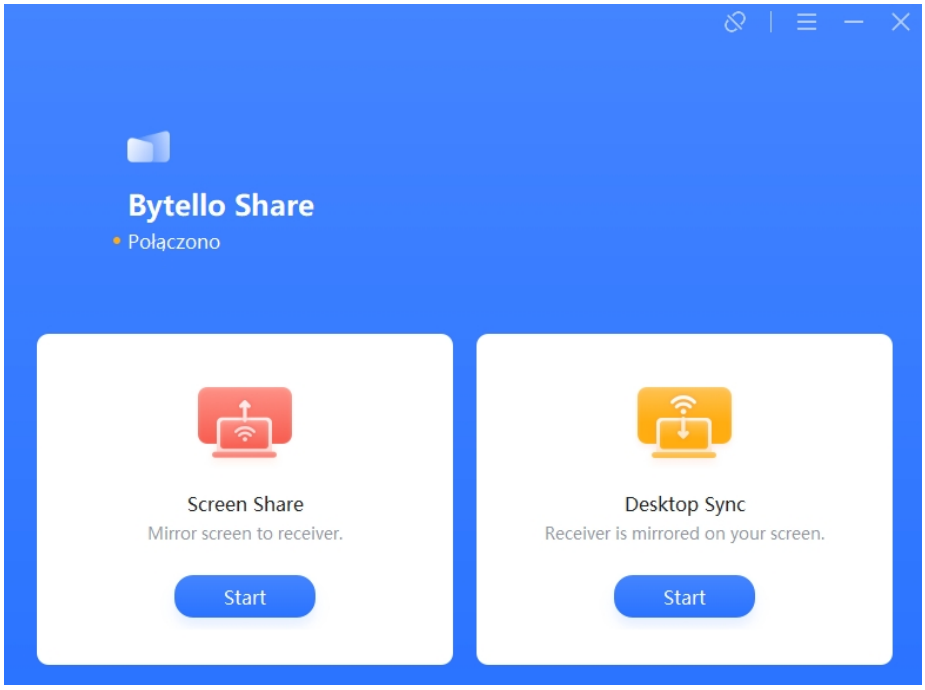
Instructions for PC users

1. Download the app to your PC by scanning the QR code or copying the URL shown below

   code.



2. Enter the code displayed on the interactive display in the prompt field shown by the mobile app to pair it with the display.



- Click "Screen Share" to start sharing your computer screen on the interactive display.
- Click "Desktop Sync" to start mirroring the display screen interactive on the computer.

The Bytello Share app is also equipped with Chromecast, AirPlay and Miracast features that allow compatible devices to share a screen without separate software.

Use of installed applications

IMPORTANT: *The Android operating system on which the interactive display runs is not a standard out-of-the box system. It has been modified and optimized to support the display's features and functions. As such, it does not provide access to some standard services and applications, such as Google Play.*
Applications installed by the user may not work as expected. The manufacturer of the interactive display does not guarantee its compatibility with applications installed by the user.

To access other applications, select the icon from the sidebar.

To install any new application manually, download it as an APK installation package, which then needs to be run on the display system.
This may require unlocking permission to install software from unknown sources. To do this, select the INPUT-1-3-7-9 key sequence on the remote control to open an additional menu. When it appears, use it to navigate to the appropriate Android settings page and set "**Install from unknown sources**" to "**On**."

ApkPure

Here, open the Apkpure app store, select

Calculator

Here, open the Calculator, sele

Calendar

Here, open the calendar, select

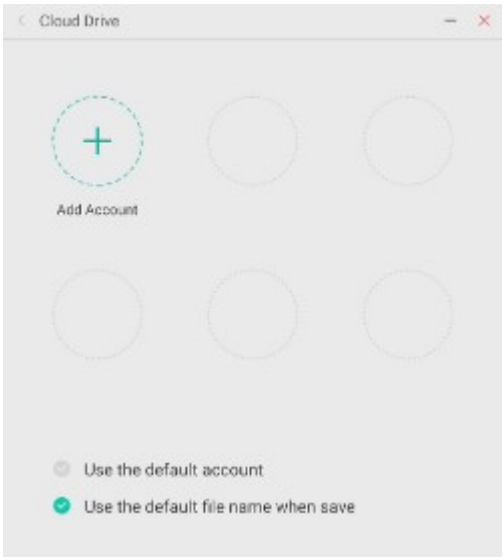
Palette

Use doimitation brush or crayons and for manual selection of custom colors.

Cloud drive

To start Cloud Drive, select

Cloud Drive is an application that allows you to add and configure a Google Drive or OneDrive account and use it to facilitate the transfer of files between the interactive monitor and mobile devices and computers.



To use the application:

1. Click the **Add Account** button.
2. Choose a cloud storage service: **Google Drive** or **OneDrive**. **NOTE**: *This feature requires Internet access.*
3. Log in to your account by following the instructions displayed
   On screen.

Keeper

To start Keeper, select

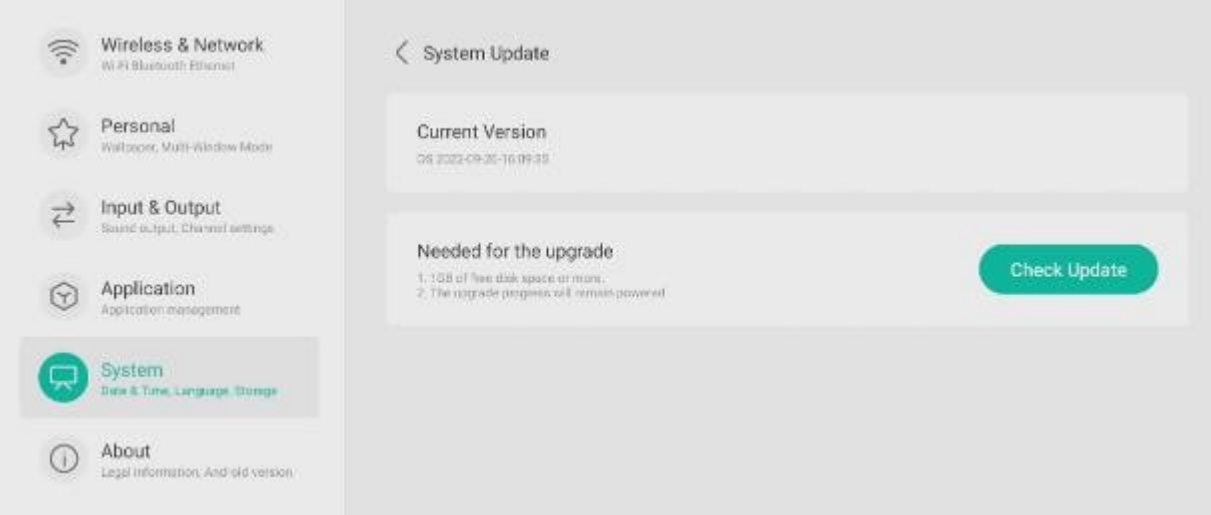
Keeper is an application that optimizes the interactive display's internal memory and helps clean its operating system of unnecessary files.

Firmware updates

Avtek monitor software updates can be done online. While the system is connected to the Internet, it continuously checks for new available updates automatically.

NOTE: *The update function can only update the display's firmware and functions. It does not update the Android operating system, which remains unchanged for the life of the display.*

To manually check the availability of firmware updates, go to **Settings** and tap the **System** tab. Then select **System Update**. Finally, select **Check for updates**.



If a new update is available, the system will start downloading it. As soon as is downloaded, the update will be installed, which will take about 5 minutes.

NOTES: *NEVER DO NOT TURN OFF DISPLAY while updating Software*.

Thank you for using this manual for the Android operating system of Avtek interactive displays!

The manufacturer reserves the right to update and change any part of this manual without notifications at any time.