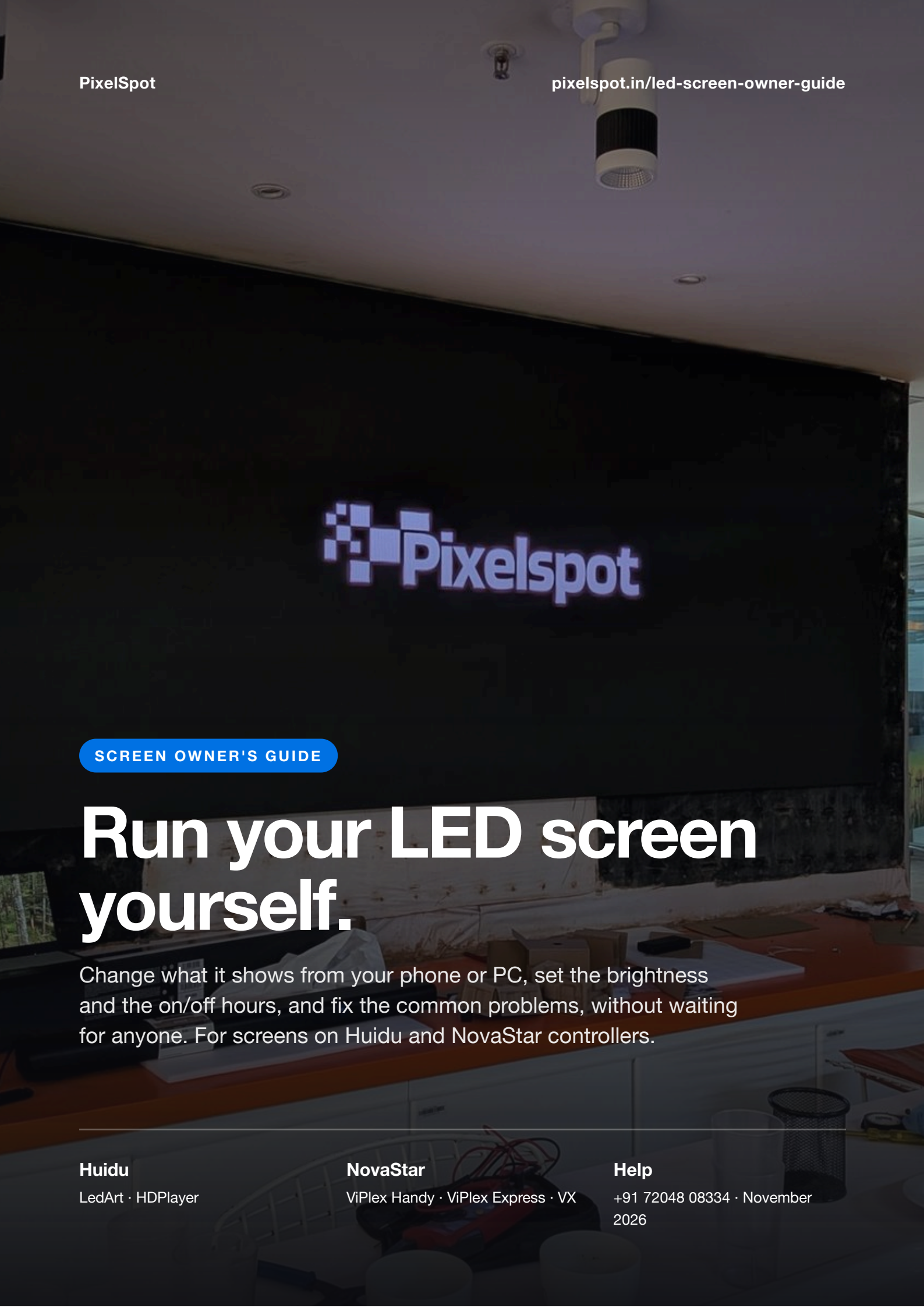


SCREEN OWNER'S GUIDE

Run your LED screen yourself.

Change what it shows from your phone or PC, set the brightness and the on/off hours, and fix the common problems, without waiting for anyone. For screens on Huidu and NovaStar controllers.

Huidu
LedArt · HDPlayer

NovaStar
ViPlex Handy · ViPlex Express · VX

Help
+91 72048 08334 · November 2026

One page to keep by the screen

Your screen is driven by a small controller box. Everything you see on the wall is sent to that box. Which of these ways you use depends on what you want to do.

WiFi from your phone	Quick changes: a new offer, a photo, a video, the brightness	The controller's WiFi name and password, and the phone app
LAN cable from a PC	Building a proper playlist with several areas, clocks, schedules	A Windows PC, a network cable, and the PC program
USB pen drive	The screen is far from any PC, or there is no network at the site	A pen drive formatted FAT32
HDMI from a laptop or media player	Live content: a presentation, a match, a camera feed, a PC desktop	A controller with an HDMI input, and an HDMI cable
Over the internet (cloud)	Changing several screens, or one screen in another city, without going there	Internet at the controller (router or 4G SIM) and a cloud account

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Call or WhatsApp. Tell us what the screen shows and what you already tried.

The video is on the web page

START HERE

Five ways to put content on your LED screen

Keep these three things safe

- **The WiFi name and password of the controller.** We hand them over on the day of installation.
- **The screen's resolution** (width × height in pixels). Every program you make must use exactly this size.
- **Which controller you have** (the brand and model are printed on the box). This guide has one part for Huidu and one for NovaStar.

> Stored content and live content are different. A program you send by WiFi, cable, pen drive or cloud is **stored in the controller** and keeps playing with no PC connected. HDMI shows whatever the laptop shows, **only while it is plugged in**.

HUIDU · STEP 1

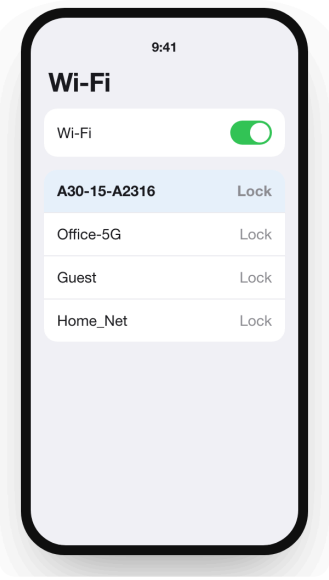
Connect to a Huidu controller

Huidu makes the controller boxes in the A, C and D series. The phone app is **LedArt** and the PC program is **HDPlayer**. Both are free from Huidu.

By WiFi (phone or laptop)

1. Stand near the screen. Open **WiFi settings** on your phone.
2. Look for a network named after the controller, for example `A30-15-A2316` (the model, then the box's own ID).
3. Join it with the **password we set and gave you** at installation. It is on your handover sheet.
4. Your phone may say "no internet". That is correct: this WiFi goes only to the screen. Stay connected.

> Keep this password private. Anyone near the screen who knows it can change what the screen shows. If you have lost it, call us and we set a new one.



Example screen. Your app may look a little different.

By LAN cable (PC)

1. Plug a network cable from the PC straight into the controller's LAN port. Going through your office router also works, and then one PC can reach every screen on that network.
2. You do not have to set any IP address. Huidu's manual says no network setting is needed.

3. Open HDPlayer and **wait 40 to 50 seconds**. The controller's ID appears by itself.

4. Check the two lights on the network port: green should flicker and orange should stay on. No lights means the cable or the port is the problem, not the software.

> If the PC and the controller are on different network ranges, use **Control > Other Settings > Direct search** in HDPlayer and type the controller's IP address.

By HDMI (live picture)

HDMI input is on the dual-mode boxes: the **HD-A4L and the models above it** (A5L, A6L). The smaller boxes play stored programs only.

Plug the laptop or media player into the controller's **HDMI IN**. Set the laptop to **duplicate** its display. The wall shows the laptop's picture for as long as it is connected.

Whether the wall shows stored programs or the HDMI picture is a mode on the controller. We set it at installation to suit how you use the screen. If you need both, ask us to show you the switch for your model.

By USB pen drive and by cloud

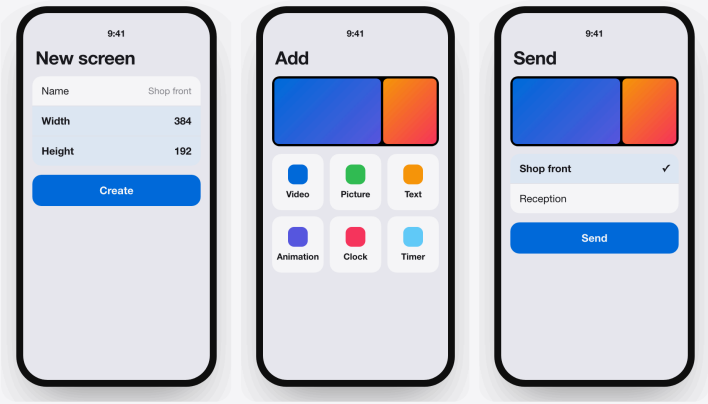
Both are prepared in HDPlayer. See **Huidu: pen drive** and **Huidu: cloud** below.

HUIDU · PHONE

LedArt: run the screen from your phone

LedArt is Huidu's app for Android and iPhone. It finds the controller on WiFi, lets you build a program on the phone and sends it to the screen.

Make and send a program



Example screens. Your app may look a little different.

1. Install **LedArt** from the Play Store or the App Store (iPhone needs iOS 13 or later).

2. Join the controller's WiFi, then open the app. Your screen appears in the **device list**.

3. Tap **New screen** (lower right). Give it a name and type the **resolution**: it must be exactly the resolution set on the controller.

4. Tap the **add** button (lower right) and choose what to show. You can add more than one item.
5. Drag and resize each item on the preview, and set its options.
6. Open the **program setting** and choose the **play mode**: how many times, or for how long.
7. Tap **send** and tick your screen in the sending list. The wall changes in a few seconds.

What you can put on the screen

ITEM	WHAT YOU CAN SET
Video	Pick a video from the phone. Shows its size and length. Option to keep the picture's proportions.
Picture	Pick photos from the phone and choose the display effect for each.
Text	Type it. Text colour, background colour, alignment, font, bold, italic, underline. One line or many lines, with moving effects.
Animation	Animated words: font, size, animation style, neon background, speed.
Clock	Analog or digital styles.
Temperature and humidity	Style and fixed text. Works only if a sensor is fitted to the controller.
Timer	Counts to a date you set, with your own title.

Good to know

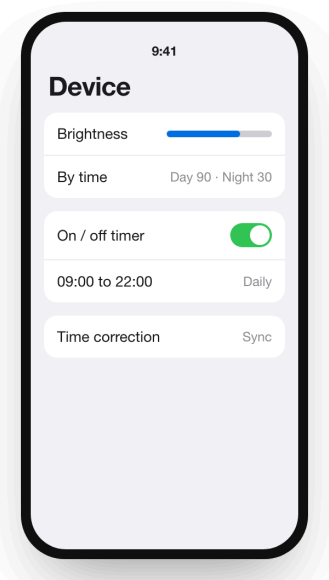
- One program can hold **several areas**, and one area can hold **several items** that play one after another.
- The item you add last sits **on top**. Text and clocks have a clear background by default, so they can sit over a video or a picture.
- Each area can have a **border** (type, effect, speed), and so can the whole program.
- **Shake to send:** shake the phone, or swipe up, to push one photo or video to the screen quickly. It does not delete what is already stored.
- On Android you can also **export the program** and update the controller over a data cable.

> Huidu's manual was written for an older version of the app than the one in the stores today, so a button may sit in a slightly different place on your phone. The steps are the same.

HUIDU · PHONE

LedArt settings every owner should know

SETTING	WHAT IT DOES	OUR ADVICE
Brightness	Three modes: a fixed level, different levels **by time of day**, or **automatic** from a light sensor.	Use by-time: full in the day, low at night. Automatic works only if a sensor is fitted.
Switch on and off by time	Up to **four time periods** a day when the screen is on.	It only blanks the picture. The screen is still powered, so switch off at the mains for long holidays.
Time correction	Sets the controller's clock from your phone, or by hand.	Do this after any long power cut. A wrong clock makes every timer fire at the wrong hour.
Remote control	Change brightness or jump to a program by its number.	Handy when you keep several programs stored.
WiFi password	Change the controller's WiFi password.	Change it when a staff member who knew it leaves. Write the new one down, then reconnect with it.



Example screen. Your app may look a little different.

HUIDU · PC

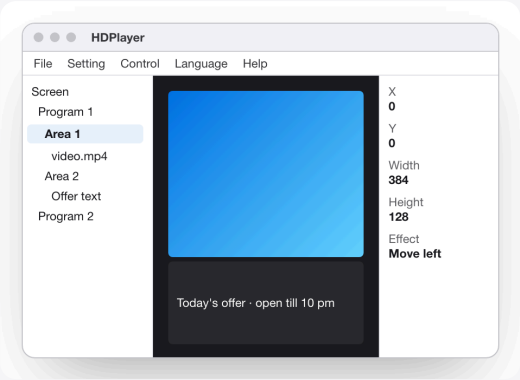
HDPlayer: build full programs on a PC

HDPlayer is Huidu's Windows program. Use it when you want several areas on screen at once, documents, schedules, or to prepare a pen drive.

How the window is laid out

A **play window** on top shows the wall. Below it you edit. On the left is a **tree**: Screen, then Program, then Area, then the content inside each area. On the right are the **properties** of whatever you clicked. The menus are File, Setting, Control, Language and Help.

Make and send a program



Example screen. Your app may look a little different.

1. Connect by LAN cable or WiFi and wait for the controller to appear.
2. **File > New** makes a new screen. In **Setting > Screen Parameter Setting**, read the settings **back from the controller** so the width and height match your wall.
3. Add a **Program**. Add an **Area** inside it and drag it to the size and place you want.
4. Add content to the area from the toolbar: video, picture, text, clock and the rest (table below).
5. Set the **effect**, the **speed** and the **stay time** for each item. There are 40 display effects.
6. Press **play** in the preview to check it. **Ctrl+S** saves the project on your PC.
7. **Control > Device Bind** ties the project to your controller. Then press **send**. **Cluster sending** sends one program to several screens together.

Everything you can add

CONTENT	NOTES
Video, picture, GIF	Added as source files. Several files in one area play in order.
Word, Excel, PowerPoint	Shown as pages. Microsoft Office 2007/2010 or WPS must be installed on the PC.
Text (many lines)	Type it or import from Word, TXT or RTF.
Single-line text	A ticker. Ordinary effects, or continuous movement left or right.
Clock	Analog, digital or picture style, with time zones.
Timer	Counts down or up to a goal time.
Temperature and humidity	Needs the sensor fitted to the controller.
Animated characters, Neon, 3D text	Decorative text styles.

CONTENT	NOTES
Weather	Choose the city. The controller needs internet for this.

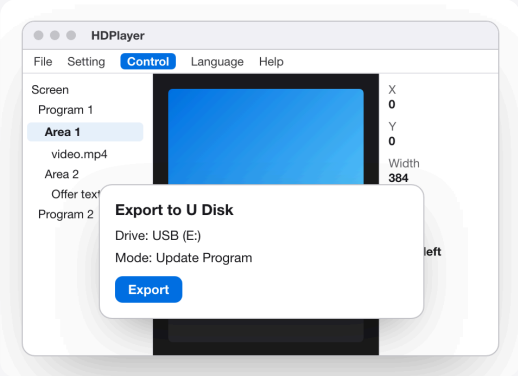
Program and area options

- **Area:** position (X, Y), width, height, border and transparency. Drag to move, pull the edges to stretch.
- **Program:** how long or how many times it plays, a **specified time** so it plays only at a certain hour or period, background music, and a border.
- **File > Export** and **Import** move a whole project from one PC to another.

HUIDU · NO NETWORK

Update the screen with a USB pen drive

Useful when the screen is high up, far away, or the site has no PC.



Example screen. Your app may look a little different.

1. Format the pen drive as **FAT32**.
2. Build the program in HDPlayer as usual.
3. **Control > Export to U Disk**, then choose **Update Program**.
4. Plug the pen drive into the controller's USB port. It copies the program by itself.
5. The screen shows a message when the copy is done. Pull the pen drive out. The new program plays from the controller's own memory.

> Choosing **Display** when you export makes the screen play **straight from the pen drive**, which leaves the controller's memory free. The pen drive must then stay plugged in. Huidu allows a USB extension cable of up to 5 metres.

HUIDU · PC

HDPlayer settings: what to use and what to leave alone

Safe for owners

SETTING	WHAT IT DOES
Brightness	Fixed, by time of day, or automatic from a light sensor.
Time correction	Sync the controller's clock with the PC, or set it by hand. Newer versions add time zone and internet time.
Switch machine	Timed on and off. It stops the picture; the screen stays powered.
Device reboot	A scheduled restart of the controller, for screens that run day and night.
Screen testing	Shows grey scale, colour blocks, a mesh and single dots, to check every module lights properly.
WiFi	Switch it on or off, change the name and password, or join your office WiFi (station mode).
Start-up screen and device name	The picture shown at power-on, and the name shown in the device list.

Leave these to us

- **Hardware Settings.** It is locked with a password. Inside are the sending-card, receiving-card and module settings that make your particular wall light up correctly.
- **Firmware update.** If power is cut in the middle, the controller can stop working.
- **Network settings** (IP address, gateway), unless your IT person asks for a change.

> A wrong value in Hardware Settings can turn the whole wall black or scramble the picture. It is not damage and we can put it right, but call us before you change anything there.

HUIDU · ANYWHERE

Change content over the internet

Huidu runs a cloud platform that works in a browser. With it you publish to a screen from anywhere, and to many screens at once.

1. Set up the screen normally first, over a cable.
2. Create an account on Huidu's cloud site.
3. In HDPlayer, open the controller's **cloud server** setting and enter the server and your username.

4. Give the controller internet: plug it into a router that is online, or fit a **4G SIM** if your box has the 4G module.

5. Switch the controller off and on. It appears in your cloud account, first as a device waiting for approval, then in your device list.

6. From then on, log in from any browser, build the program (picture, video, text, clock, table, web page, weather) and publish.

> Some SIM cards need an APN typed in before they go online. If you want remote publishing, tell us at installation and we set it up and test it with you.

HUIDU · PHONE · FULL REFERENCE

LedArt: every function, explained

This is the complete list of what Huidu's phone app can do, in the order you meet it in the app. Use the earlier LedArt pages to get started. Come here when you want to know what one particular button or option is for.

What LedArt works with, and the two ways it connects

POINT	WHAT HUIDU'S MANUAL SAYS	WHAT IT MEANS FOR YOU
Controllers	All of Huidu's asynchronous full colour controllers.	Asynchronous means the box stores the program and plays it by itself, with no phone or PC connected.
Phones	The manual lists Android 4.0 and above, and iOS 7.0 and above.	The manual is older than today's app. The store page shows what the current version needs.
Connection 1: straight to the controller	The phone joins the controller's own WiFi.	The usual way. You must stand near the screen.
Connection 2: through a router	The controller is connected to a router, and the phone joins that router's WiFi.	Useful in an office: your phone stays on the office WiFi and still reaches the screen.
Find device	After joining the WiFi, the app finds the controller and lists it.	If the list is empty, check that the phone is still on the controller's WiFi. Phones sometimes jump back to another network.

> The WiFi password is **the password we set and gave you** at installation. Huidu's manual asks that the password is changed before the screen is used, for safety. If you change it, the app must search again and you join with the new password.

The main screen of the app

Huidu describes the main screen as two parts: the **device list** and the **function setting area**. Around them sit a few more buttons.

PART	WHERE	WHAT IT DOES	WHEN YOU USE IT
Device list	Main screen	Shows every controller the phone can reach right now.	To check the phone really is connected before you send anything.
Function setting area	Main screen	Buttons for switch on and off, brightness, time correction, remote control and shake.	For everyday control of the screen without making a new program.
Edit program	Button in the function area	Opens the screen you edited last, ready to change again.	To correct a spelling or swap one photo in yesterday's program.
Screen edit history list	Slide the main screen	Lists the screens you have edited before. Tap one to edit it.	When you keep more than one screen design on the phone.
New screen	Lower right corner	Starts a new screen. You type a name and the resolution.	The first time, or when you want a fresh layout.
Program management	Bottom right corner of the main screen	Shows the list of programs. You can add programs here.	When the screen should play more than one program.
Selection tools	Icon in the upper left corner	A calculator for choosing a controller for a screen.	Not needed for a screen that is already installed. See the last table.
Settings	Setting page of the main screen	Fonts, language, the app's QR code, clear cache.	Housekeeping for the app itself.

New screen and the editing page

- **Name.** Any name that helps you recognise the screen, for example `Shop front`.
- **Resolution.** The width and height of your wall in pixels. Huidu's rule: it must be exactly the resolution set in the controller. If it is wrong, the picture is cut off or sits in a corner.
- **Add button (lower right of the editing page).** Opens the list of things you can add: video, picture, text, animation, clock, temperature, humidity, timer.
- **Selecting an item.** Tap an item on the preview to select its area. The options below apply to the item you selected.
- **Properties (upper right corner).** With an item selected, the button in the upper right corner opens that item's property page.
- **Border button.** With an item selected, opens the border page for that area.
- **Program setting (lower right, with no item selected).** Opens the settings for the whole program: program border and play mode.

> Your resolution is on the handover sheet. If you are not sure, call us on 72048 08334 before you make the first screen.

Every kind of content, and every option it has

CONTENT	HOW TO ADD IT	OPTIONS IN THE APP	WHEN TO USE IT
Video	Add button, then add video. Pick from the videos stored on the phone.	The property page shows the video's **size** and **length**. You can **choose a different video**, and switch **keep the width to height ratio** on or off.	Adverts and product films. Keep the ratio on if people or logos look stretched.
Picture	Add button, then add pictures. Pick from the photos on the phone.	The property page shows the **picture's information** and lets you set the **display special effect**, which is how the picture comes onto the screen.	Offers, menus, festival greetings.
Text	Add button, then Add Text. Type the words.	On the typing page: **text colour**, **background colour**, **alignment**, **font**, **bold**, **italic**, **underline**. On the property page: **single-line display**, **multi-line display**, and the **move effect**.	Single-line for a moving ticker. Multi-line for a notice that fills the area.
Animation (animated words)	Add button, then add animation. Type the words.	On the typing page: **font** and **font size**. On the property page, under special effect: **animation style**, **neon background**, **speed**.	A short, eye-catching line such as `SALE` or `OPEN`.
Clock	Add button, then add clock.	**Clock style**: analog (a dial with hands) or digital (numbers). Each style has its own **style properties**.	Reception areas, shop fronts, waiting rooms.
Temperature	Add button, then add temperature.	**Temperature style** and a **fixed text** shown with the reading, for example a label.	Only if a temperature sensor is fitted to your controller.
Humidity	Add button, then add humidity.	**Humidity style** and a **fixed text** shown with the reading.	Only if a humidity sensor is fitted to your controller.
Timer	Add button, then add timer.	A **fixed text title**, the **target time** it counts to, and the **style**.	Countdown to an opening day, a sale or an event.

> Huidu's manual names these options but does not list every style, effect and font inside them. Open the page on your phone and try them: nothing changes on the wall until you press send.

Borders, play mode and program settings

FUNCTION	WHERE	OPTIONS	WHAT IT IS FOR
Area border	Select a video, picture, text or clock, then tap the border button.	**Border type**, its **special effect**, and its **speed**.	A moving frame around one item, to draw the eye to it.
Program border	Program setting (lower right, with no item selected), then Program Border.	**Border type**, **special effect**, **speed**.	A frame around the whole screen.

FUNCTION	WHERE	OPTIONS	WHAT IT IS FOR
Play mode	Program setting, then Play Mode.	The **number of times** the program plays, or the **length of time** it plays.	Needed when you store several programs. It decides how long each one stays before the next one starts.

Areas and layers (Huidu calls this regional management)

- One program can have **several areas** on screen at the same time, for example a video on the left and a text ticker below.
- One area can hold **several items**, such as a video, then a picture, then text.
- The area you add **last is on the top layer**. It also sits at the **top of the area list**. If two areas overlap, the top one covers the other.
- Plan the order: add the background item first and the item that must stay visible last.

Programs and sending

FUNCTION	WHERE	WHAT IT DOES	WHEN TO USE IT
Program management	Main screen, bottom right corner.	Shows the **program list**. You can **add programs** to it.	To keep, say, a morning offer and an evening offer as separate programs.
Send	Send button on the editing page.	Opens the **sending list**. Choose your controller in the list and send.	Every time you finish a change. Nothing reaches the wall until you send.
Export program (Android phones only)	Tap send, then choose the export program button.	Saves the program so it can go to the controller through a **data cable** between the phone and the controller, in place of WiFi.	When WiFi is not working at the site. Huidu's manual gives no further steps, so call us if you need this.

Function settings, one by one

FUNCTION	WHERE	OPTIONS	WHAT TO KNOW
Switch on and off (Huidu: starting up and power off)	Main screen, switch button.	Up to **4 time periods**.	Huidu states that shutdown only cuts the signal so the screen goes black. The screen is **still powered**. For long closures, switch off at the mains.
Brightness	Main screen, brightness button. Slide left and right to change the mode.	Three modes: **default** (one level), **adjust according to time**, and **adjust automatically**.	Automatic needs a **brightness sensor** connected to the controller. Without the sensor, use by time: bright in the day, low at night.
Time correction	Main screen, time correction button.	**Synchronise with the phone's time**, or switch off **automatic setting** and set the time by hand.	Use after a long power cut. Clocks, timers and timed switching all follow the controller's clock.

FUNCTION	WHERE	OPTIONS	WHAT TO KNOW
Shake	Main screen, shake button.	Slide left and right to pick a **picture or a video**. Then **shake the phone** (you feel it vibrate) or **slide upward** on the screen.	The fastest way to show one photo or video. Huidu states it **does not delete** the content already in the controller.
Remote control	Main screen, remote control button.	Set the **brightness**, **play a program by its serial number**, and **switch the screen**.	A quick remote in your hand, for example to jump to program 2 when a customer walks in.

> The manual does not explain what the remote control's "switch screen" does in more detail. If the button behaves in a way you do not expect, call us on 72048 08334.

Other tools and app settings

FUNCTION	WHERE	WHAT IT DOES	WHEN TO USE IT
Change the WiFi password	Described in the manual's WiFi connection chapter.	Gives the controller's WiFi a new password. Afterwards the app searches again and you join with the new password.	When someone who knew the password leaves. Write the new one down straight away. If it is lost, call us.
Selection tools	Icon in the upper left corner of the main screen.	You enter a screen's details. The app works out the screen's basic figures and suggests which Huidu control card to use, and how many.	Meant for people planning a new screen. Your installed screen does not need it.
Font management	Settings page.	Manage the fonts the app uses for text.	When you want a different lettering style. The manual gives no further detail.
Language	Settings page.	Sets the language of the app.	If the app opens in a language you do not read.
Share the QR code	Settings page.	Shows the app's QR code so another person can scan it and install LedArt.	To put the app on a manager's or staff member's phone.
Clear the cache	Settings page.	Clears the app's stored temporary data.	If the app feels slow or full. The manual does not say exactly what is removed, so send any unfinished program first.
Uninstall	Phone home screen.	Press and hold the LedArt icon until delete appears, then drag it to delete.	Removes the app from the phone. The program stored in the controller keeps playing.

> LedArt has no page for the wall's hardware settings. Those are done in HDPlayer on a PC, and they are for us to do. If the picture looks wrong after a change made in the app, check the resolution of your screen in the app first, then call us on 72048 08334.

HUIDU · PC · FULL REFERENCE

HDPlayer: every function, explained

This is the complete list of what Huidu's Windows program can do, menu by menu and button by button. The earlier HDPlayer pages show the quick route. Come here when you want to know what one item is for, and whether it is safe to touch.

The parts of the window

PART	WHAT IT SHOWS	WHAT YOU DO THERE
Play window	A model of your wall, showing videos, photos and text as they will appear.	Drag areas to move them and pull their edges to resize them.
Menu bar	File, Setting, Control, Language, Help.	Every function of the program starts from one of these.
Tool bar	Buttons for program, area, source file, text, document, clock, timer and the other content types, plus send and export.	Click a button to add that thing to what is selected in the tree.
Tree area	Everything in the project, in levels: screen (display), program, area, then the content in each area.	Click an item to select it. Right-click for rename, delete, add, copy and move.
Attribute area	The settings of whatever you selected: frame, playing effect, playing time and more.	Change the options of the selected item.
Status bar	The controller the program has found.	Check here that your controller is connected before you send.

> The order is always the same: a **screen** holds **programs**, a program holds **areas**, an area holds **content**. You must add a screen before a program, and a program before an area.

File menu

ITEM	SHORTCUT	WHAT IT DOES	WHEN TO USE IT
New	`Ctrl+N`	Makes a new screen (display). You can have several screens in the tree.	Once for each wall you own.
Open		Opens a project you saved earlier.	To carry on with last week's program.
Save	`Ctrl+S`	Saves the project in HDPlayer's default folder, named `work`. The file takes the screen's name and ends in `.boo`.	Often. Sending to the wall does not save the project on the PC.
Save as		You choose the folder and the file name.	To keep a copy, for example `Diwali 2026`, without losing the normal program.

ITEM	SHORTCUT	WHAT IT DOES	WHEN TO USE IT
Export		Writes the whole edited project to a folder you choose, so it can be used on a different computer.	Moving to a new PC, or sending the project to your designer.
Import		Brings an exported project into HDPlayer.	On the second PC, after an export.

> To delete a screen, select it in the tree and press `Delete`, or right-click and choose Delete. From the tree a screen can also be renamed, created, given programs, sent and closed.

Setting menu

ITEM	OPTIONS	WHAT THEY MEAN	OWNER OR US
Screen Parameter Setting	**Hardware settings** tick box, **Select Device**, device model, module type, **width**, **height**. Huidu's C08L manual also shows a **rotation** setting here.	With the tick on, which is the default, HDPlayer reads the size back from the connected controller. With the tick off you choose the device model and type the width and height yourself. A connected controller shows its ID under Select Device and is picked automatically.	Owner, with care. Leave the tick on so the size comes from the controller. Type a size by hand only when no controller is connected, and use the resolution on your handover sheet.
System Setting: Saving warning	Tick or untick.	Ticked: HDPlayer asks before it saves when you close it. Unticked: it saves by itself without asking.	Owner. Keep it ticked.
System Setting: Delete warning	Tick or untick.	Ticked: HDPlayer asks before it deletes. Unticked: it deletes without asking.	Owner. Keep it ticked, so one wrong click cannot remove a program.
System Setting: Using password	Tick or untick.	Ticked: a password is asked before Hardware Settings and firmware upgrade open. Unticked: HDPlayer treats the user as the administrator and asks nothing.	Keep it ticked. It stops staff opening the dangerous pages by accident. The password is the one we set and gave you.
System Setting: Automatic log on	Listed in the manual.	Huidu's manual names this option but does not explain it.	Leave as it is.
Hardware Settings	Send card, connection, receive card and features pages.	The settings that make your particular modules light up correctly.	**Leave this to us.** Details are in the last block.

Programs and areas

FUNCTION	WHERE	OPTIONS	WHEN TO USE IT
Add a program	Program button on the tool bar. A screen must exist first.	One screen can hold many programs.	One program for each message or each time of day.
Manage a program	Right-click the program in the tree, or use the delete button on the shortcut bar.	Rename, delete, add, copy, move.	Copy last month's offer and only change the price photo. Move changes the order.
Program attribute: play time and duration	Select the program, then the attribute area.	How many times the program plays, or for how long.	Decides how long this program stays before the next one.
Program attribute: specified time	Same place.	Play only at a certain time or during a certain time period.	A lunch menu from 12 to 3. A greeting only on a festival day.
Program attribute: background music	Same place.	Choose one or several music files to play behind the program.	Screens with speakers connected to the controller.
Program attribute: border	Same place.	A frame around the whole program.	To make the screen stand out.
Add a custom area	Custom Area button on the tool bar. A program must exist first.	A box with a blue border appears on the play window. One program can hold many areas.	Each area is one zone of the wall: video here, ticker there.
Area attribute: position and size	Select the area, then the attribute area.	**X** and **Y** (distance from the left and from the top, in pixels), **width**, **height**. Or drag and stretch the box in the play window.	Type numbers when the area must line up exactly.
Area attribute: border and transparency	Same place.	A frame for this area, and how see-through the area is.	A see-through text area lets the video behind it show.
Manage an area	Right-click the area in the tree.	Rename, delete, add, copy, move.	Copy an area to reuse its size and place in another program.

> Huidu's manual says program settings must be **sent to the control card** before they take effect. Changing them on the PC alone changes nothing on the wall.

Tool bar: source files and documents

Select an area, then click the button for the kind of file. To remove one, select it and click the delete button on the shortcut bar. Several files in one area play one after another.

CONTENT	OPTIONS THE MANUAL LISTS	GOOD TO KNOW
Video	Video attributes for the selected file.	The manual shows the attribute page but does not list its options.
Picture	**Display effect**, **display speed**, **display time** (how long it stays), and the **clear** effect (how it leaves).	A longer display time suits pictures with small writing.
GIF animation	Display effect, display speed, display time, clear effect.	Short moving logos and stickers.
Word, Excel, PowerPoint	Display effect and clear effect (40 kinds), display speed, display time, **text colour reversal**. Excel files also have **alignment**, with 6 choices.	The PC must have Office 2007, Office 2010 or WPS installed. Colour reversal swaps the colours of the page, for example black on white becomes white on black.

> Huidu's note on the last page of this chapter: all of these content types can be added to a custom area.

Tool bar: text, clocks, sensors and effects

CONTENT	OPTIONS THE MANUAL LISTS	WHEN TO USE IT
Text (multiple lines)	Display effect and clear effect (40 kinds), display speed, display time, clear time, and a text editor. Can **import** text from Word, TXT and RTF files.	Notices, price lists, long messages shown page by page.
Single line text: ordinary effects	Display effect and clear effect (40 kinds), display speed, time between display and clear, text editor.	A single line that appears, stays, then leaves.
Single line text: continuous movement	Move **continuously left** or **continuously right**, **first connected** (the end of the line joins straight on to its start, with no gap), **playback speed**, **playback time**, **playback times**.	A running ticker along the bottom of the wall.
Clock	Three types: **analog clock**, **digital clock**, **picture clock**. Options: **time zone**, a **correction** if the time shown is off, **description text**, **spacing**, **font type**, **font size**.	Receptions and showrooms. Use the time zone option to show another city's time.
Time (timer)	**Timing mode**, **display mode**, **goal time**, spacing, font type, font size, colour.	Countdown to an opening or an offer's last day.
Temperature	Font size, colour, **temperature unit**.	Huidu states a temperature sensor must be fitted to the control card, or the reading is not correct.
Humidity	Font size, font colour, **humidity unit**.	Huidu states a humidity sensor must be fitted to the control card.
Animation characters	Font description, font colour, **font special effect**, **special effect speed**.	Words that move letter by letter, for a headline.

CONTENT	OPTIONS THE MANUAL LISTS	WHEN TO USE IT
Neon	Neon attributes for the item.	A glowing decorative style. The manual shows the page but does not list its options.
3D Text	3D text attributes. Huidu calls it a 3D subtitle.	A headline with depth. The manual shows the page but does not list its options.
Weather	Change the **city**, the **font** and the **display type**.	A weather panel for the city you choose.

> **Display effect** is how an item comes on. **Clear effect** is how it leaves. **Speed** is how fast that happens. **Display time** is how long it stays still in between. There are 40 effects to choose from.

Preview and saving

BUTTON	WHAT IT DOES	WHAT TO KNOW
Play	Runs the program in the play window in a loop.	You cannot edit while it is playing.
Pause	Holds the preview where it is.	You cannot edit while it is paused.
Stop	Ends the preview. The window shows what was there before, and you can edit again.	Always press stop before you carry on editing.

> The preview is only on your PC. The wall changes only when you send.

Sending the program to the wall

FUNCTION	WHERE	WHAT IT DOES	WHEN TO USE IT
Device Bind	Control > Device Bind	Ties a screen in your project to a controller. Programs on that screen are then sent to that controller. One screen can be bound to several controllers, and several screens to one controller.	Once for each wall, before the first send.
Cluster sending	Control > Cluster sending, or the send button on the tool bar	Sends the program to every controller bound to the screen, all at the same time.	Every time you finish a change. With several identical walls, one click updates them all.
Export to U Disk: Update Program	Control > Export to U Disk, or the tool bar button. Choose Update Program.	Puts the program on a pen drive. Plug it into the controller and the program is copied into the controller's memory. The screen shows a message. Remove the pen drive and the new program plays.	No network at the site. Repeat the same steps for every update.

FUNCTION	WHERE	WHAT IT DOES	WHEN TO USE IT
Export to U Disk: Display	Same place. Choose Display.	The controller plays the content straight from the pen drive as soon as it is plugged in, with no restart. The amount you can show is limited only by the size of the pen drive.	Very long or very large content. The pen drive must stay in.
Loose video and picture files on a pen drive	No menu. Done in Windows.	Huidu's C08L manual says videos and pictures placed in the **root of the pen drive** (not inside a folder) can be published from it.	A quick way to show a few files without building a program.

If you bind several screens to **one** controller, each new send **replaces** the program that is playing. Check which screen is selected before you press send. Pen drives should be FAT or FAT32, and a USB extension cable should be no longer than 5 metres.

Control menu: everyday settings

For each of these, choose your controller's ID first. Wait for the message at the bottom left that says the value was read successfully, make the change, then press OK. "Set successfully" means it is stored in the controller.

FUNCTION	WHERE	OPTIONS	WHEN TO USE IT
Brightness: default	Control > Brightness setting	One fixed level. On controllers with two outputs you choose **Network port 1** or **Network port 2** and set each one.	Indoor screens where the light stays the same all day.
Brightness: custom (by time)	Same window	Set a time and a brightness, tick the line, press OK. Three time lines are there to start with. **Add** gives more.	Our advice for most screens: full in the day, lower in the evening, low at night.
Brightness: automatic	Same window	The controller follows a light sensor. Huidu's C08L manual adds a **sensitivity** choice, which is how often it checks: high is every 5 seconds, middle every 10, low every 15.	Only with an external brightness sensor fitted. Huidu states that without one this function does nothing.
Time correction: synchronous	Control > Time correction	Sets the controller's clock to the PC's clock.	After a long power cut, or if the wall's clock is wrong. Check the PC's own clock first.
Time correction: custom	Same window	Type the date and time by hand.	When the PC's clock cannot be trusted.
Time zone and automatic time	Same window, on controllers that have it (shown in Huidu's C08L manual)	System **time zone**, **summer time**, and automatic synchronisation by **NTP** (time from the internet), **GPS** or **RF**, if that module is fitted.	NTP keeps the clock right by itself when the controller has internet.

FUNCTION	WHERE	OPTIONS	WHEN TO USE IT
Screen testing	Control > Screen testing	**Grey scale** test, **colour block** test, **mesh** test, **spot** test.	To check every lamp lights. Run it before you call us about a dark patch, and tell us which test shows the fault.
Switch machine settings	Control menu. Also opens from Device Information.	Times when the screen is black and times when it plays.	Opening hours. Huidu states this only stops the video signal. The power supplies in the screen stay on.
Device rename	Control > Device Rename	Choose the controller's ID, type a new name, click **Update Device Information**.	With several walls, name each one, for example `Entrance` and `Counter`, so you never send to the wrong one.
Start-up screen	Control > Other Settings > Startup Screen	Choose the controller, switch the start-up screen on, pick the picture.	Your logo shows each time the controller starts, in place of a blank wall.
Device reboot	Control > Other Settings > Device Reboot	A restart at a set time, by day or by week.	Screens that run day and night. Huidu says it prevents display problems or a black screen after long running. Pick a time when nobody is watching.
Direct search	Control > Other Settings > Direct search	Type the controller's IP address and click Add. The controller's address, ID and name then appear.	Only when the controller is on a different part of the office network and does not appear by itself. Your IT person will know the address.

> The screen test can also be started from the **TEST** button on the controller itself.

Device Information: status and the settings inside it

Control > Device Information shows the state of the controller: display size, firmware version, device time, brightness and more. It also has shortcuts to the timer switch, start-up screen and device time. Some settings live only here.

FUNCTION	OPTIONS	WHAT IT MEANS	OWNER OR US
Program play mode	**Single program loop** or **order of play**.	Repeat one program for ever, or play all stored programs one after another.	Owner.
Switch screen	Named in the manual, not explained.	By its name, it turns the picture on the wall on or off.	Owner.
Button definition (key function)	**Screen testing** or **switch program**.	Chooses what the button on the controller does when pressed.	Owner. Switch program is handy if the box is within reach.

FUNCTION	OPTIONS	WHAT IT MEANS	OWNER OR US
Multi-screen sync	Enable or disable. Off by default.	Makes several screens play in step with each other.	Ask us first. All the screens must be set the same way.
3G/4G and sensor status	View only.	Shows whether the SIM module and any sensors are working.	Owner. Useful to read out to us on a call.
WiFi settings	WiFi **switch**, **mode**, **name**, **password**. In AP mode also the IP address range. In **Station** mode you pick a nearby WiFi network for the controller to join.	AP mode: the controller makes its own WiFi. Station mode: it joins your office WiFi. The tab appears only if the controller has a WiFi module.	Owner for the password. Ask us before changing the mode or the address range, because a wrong choice can cut your own connection to the screen.
Volume setting (C08L manual)	**Fixed** volume, or volume **by time period**.	Sound level for screens with speakers.	Owner. Lower it at night for neighbours.
Relay settings	Up to **6 power circuits**, a **name** for each, **on and off times** for each, and **Use timer switch setting**.	Switches the mains power of parts of the screen on a timetable. Use timer switch setting makes the relays follow the timed on and off. Huidu says it can be controlled over the internet.	Us. It needs a separate relay controller wired in, and the control card must stay powered all the time.
Cloud server	Server and username.	Links the controller to your Huidu cloud account.	See the page **Huidu: cloud**. We set this with you.
Device lock (C08L manual)	Set a lock password.	People without the password cannot change anything on the controller.	Ask us first. A forgotten lock password locks you out as well.
Network settings	IP address, subnet mask, default gateway, DNS, or obtain automatically. Also shows the MAC address and lets it be changed.	The controller's address on your network. The default is automatic.	**Leave this to us**, or to your IT person.
Trial authorization	A trial period and an authorization code.	Makes the controller stop playing after a set number of days unless a code is entered.	**Never set this.** See the warning in the next block.

Leave this to us

These pages decide whether the wall lights up at all. We set them once at installation for your exact modules. They are explained here so you know what they are, not so that you change them.

FUNCTION	WHERE	WHAT IT IS	WHY YOU LEAVE IT ALONE
Send card parameters	Setting > Hardware Settings	The position and size of the picture sent out of each network port, and receiving card detection.	A wrong value moves or cuts the picture.

FUNCTION	WHERE	WHAT IT IS	WHY YOU LEAVE IT ALONE
Connection settings	Setting > Hardware Settings	How many receiving cards there are, their order, and how many pixels each one drives. **Standard** is for normal rectangles. **Professional** is for odd shapes.	A wrong value scrambles the wall into misplaced blocks.
Receive card parameters	Setting > Hardware Settings	Grey level, refresh rate and chip settings. Huidu says these directly affect how the screen looks. Inside are **Universal module** (ready-made settings for common modules), **Advanced setting** (gamma and colour correction), **Data group exchange** (swaps outputs between ports), **Extended attribute** (for special chips) and **Data set offset** (for shapes such as a cross).	These are matched to your module type. A wrong file can give a black, flickering or wrongly coloured wall.
Smart setting	Inside Receive card parameters	A step-by-step test for modules with no ready-made file: colour type, module width, chip type, decoding, data polarity, OE polarity, colour channels, scan type and a point-by-point alignment.	It needs someone watching a module and answering each step correctly.
Hardware Maintenance	Hardware Settings, Features window	Upgrades the software inside a sending card or the receiving cards. It can also read the receiving card's version.	Huidu warns that power must not go off during the upgrade, or the receiving card will not work properly.
Display test	Hardware Settings, Features window	Colour, gradient, ageing, scanning and positioning tests. Huidu notes it is for synchronous systems.	For your stored-program controller use **Control > Screen testing**.
Point-by-point correction	Hardware Settings, Features window	Evens out brightness after modules from different batches are mixed, or after one module is replaced. Reads back each receiving card's brightness, selects the uneven patch and sets its level, one colour at a time if needed.	Done by us after a module replacement. A wrong value leaves a visible patch.
Firmware Update	Control > Firmware Update	Loads a newer version of the controller's own software. You add the new file, compare version numbers and click Upgrade.	Huidu's tip: do not cut the power during the update. A failed update can stop the controller.
Network settings and MAC address	Control > Device Information > Network Settings	The controller's network address.	A wrong address makes the controller vanish from HDPlayer.

FUNCTION	WHERE	WHAT IT IS	WHY YOU LEAVE IT ALONE
Trial authorization	Described in the manual's Control chapter	A time lock on the controller, with a code.	Huidu states that if the code is forgotten, the control card has to go back to the factory.

Hardware Settings and firmware upgrade are protected by a password, which is the password we set and gave you. Please do not use it to experiment. A wrong setting is not damage and we can put it right, but the wall may stay dark until we do. Call us on 72048 08334 first.

Language menu, Help menu, installing and removing

- **Language menu.** Listed in Huidu's manual as one of the five menus. The manual does not describe its items.
- **Help menu.** Also listed without detail in the manual.
- **Install.** Download HDPlayer from Huidu's website `www.huidu.cn`. Run the installer, choose the installer language, click Next, keep the default components, choose the folder, click Install, then Finish.
- **Uninstall.** Windows Start > All Programs > HDPlayer > Uninstall HDPlayer. Use **File > Export** first if you want to keep your projects.
- **No network setup.** Huidu states no network setting is needed for a direct cable. After plugging in, wait for Windows to show the network as connected, then open HDPlayer. The controller's ID appears by itself.

HDPlayer keeps being updated, so a menu item may be worded a little differently in your version than in Huidu's manual. If you cannot find something, call us on 72048 08334 and we will guide you on the phone.

NOVASTAR · STEP 1

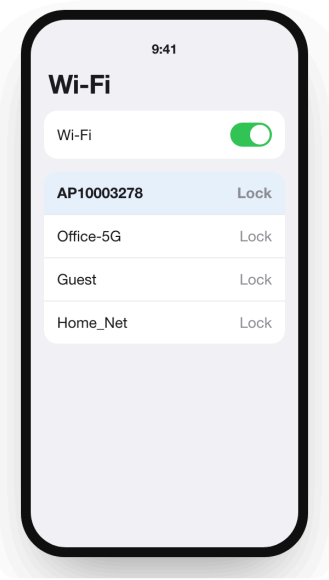
Connect to a NovaStar player

NovaStar's stored-content players are the **Taurus** series, with names starting TB. The phone app is **ViPlex Handy** and the PC program is **ViPlex Express**. If your box is a **VX**, it shows live sources only: go to the VX section.

By WiFi (phone or laptop)

1. Stand near the screen and open **WiFi settings**.
2. Look for a network that starts with `AP` followed by eight digits. Those are the last eight digits of the player's serial number.
3. Join it with the **WiFi password we set and gave you** at installation.
4. Open the app, refresh the device list and tap **Connect**. Log in with the **login we gave you**.

Keep the WiFi password and the login private. If you have lost them, call us and we set new ones. Changing the WiFi password while you are connected through that WiFi drops the connection: reconnect with the new one.



Example screen. Your app may look a little different.

By LAN cable (PC)

1. Plug a network cable from the PC to the player, or put both on the same office network.
2. The PC and the player must be on the **same network range**. The player is delivered with automatic addressing (DHCP) switched on.
3. Open ViPlex Express and press **Refresh**. If the screen is not listed, use **Search by IP Address**.
4. Log in with the login we gave you.

By HDMI (live picture)

These Taurus players have an **HDMI input**: **TB2-4G, TB40, TB50 and TB60**. With it the player works in two modes: stored content (NovaStar calls it asynchronous) or the HDMI picture (synchronous).

On the box: press the **SWITCH** button. Its light **on** means the screen is showing HDMI. Light **off** means it is playing stored content.

From the PC: ViPlex Express > **Control > Video source**. Choose **Manual** (Internal or HDMI), **Timing** to switch by the clock, or **HDMI preferred** so the screen jumps to HDMI whenever a signal arrives.

> The laptop's picture is only scaled **down** to fit. Set the laptop's output at least as large as your screen's resolution.

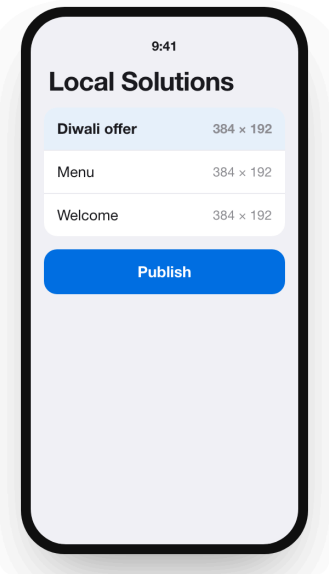
NOVASTAR · PHONE

ViPlex Handy: run the screen from your phone

ViPlex Handy is NovaStar's app for Android and iPhone. It has three tabs when you are near the screen: **Local Devices**, **Local Solutions** and **Me**. NovaStar calls a playlist a **solution**.

Make and publish a solution

1. Install **ViPlex Handy** and join the player's WiFi.
2. In **Local Devices**, refresh, tap **Connect** and log in.
3. Go to **Local Solutions** and tap **add**. Give it a name, type the screen's **resolution** and pick a template.
4. Tap a window in the template and choose **Add Media**.
5. **Save**, then **publish** to your connected screen.



Example screen. Your app may look a little different.

What you can put on the screen

ITEM	NOTES
Image	JPEG, BMP, GIF, PNG and WEBP files.
Video and GIF	From the phone's gallery.
Text	Typed in the app.
Clock	Analog or digital.
Weather	Needs internet at the player.

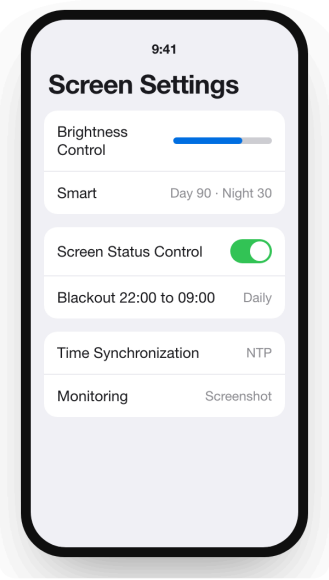
NOVASTAR · PHONE

ViPlex Handy settings every owner should know

Safe for owners

SETTING	WHAT IT DOES	OUR ADVICE
Brightness Control	Manual level, or **smart**: scheduled by time, or automatic from a light sensor.	Schedule a day level and a night level. Automatic needs a sensor.

SETTING	WHAT IT DOES	OUR ADVICE
Screen Status Control	**Blackout** or **Normal**, by hand or by timed rules.	Blackout sets the brightness to zero. It does not cut the power.
Volume and time zone	Under Quick Control.	Set the time zone once so schedules fire at the right hour.
Time Synchronization	Keeps the player's clock right from the internet (NTP).	Switch it on if the player has internet.
Scheduled Restart	Restarts the player at a set time.	Useful for screens that run day and night.
Monitoring	Shows temperature, ambient brightness and a **screenshot** of what is playing.	Use the screenshot to check the screen when you cannot see it.
Network Settings	The player's own WiFi, joining your office WiFi, wired network, or mobile data.	Change only with your IT person or with us.



Example screen. Your app may look a little different.

Leave these to us

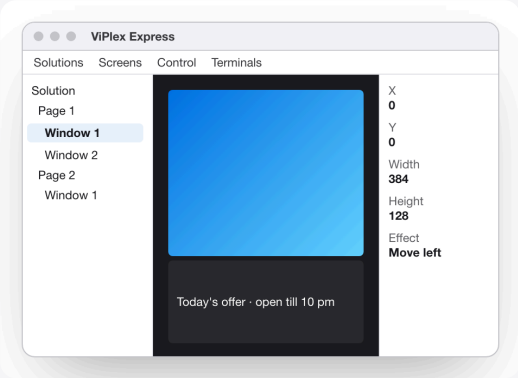
- **Screen Configuration.** It is hidden behind a switch and NovaStar says it is for support engineers. It holds your wall's panel layout.
- **Restore Factory Settings** and **Clear All Media.** They wipe what makes your screen work the way it does today.
- **Firmware upgrade.** Never cut power while it runs.

NOVASTAR · PC

ViPlex Express: build full solutions on a PC

ViPlex Express is NovaStar's Windows program. Owners use its **Async mode**: you build a solution, publish it, and the player stores it and plays on its own.

Make and publish a solution



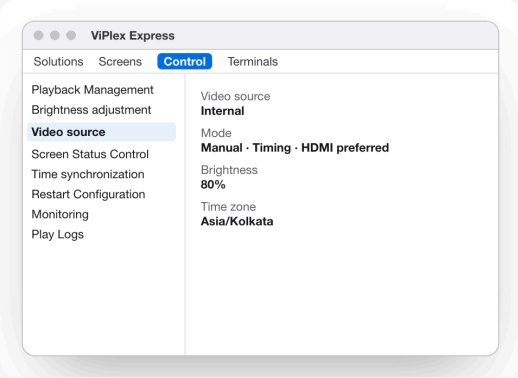
Example screen. Your app may look a little different.

1. Connect by cable or WiFi and log in to your screen.
2. **Solutions > New > Regular Screen.** Type a name and the screen's exact **resolution**.
3. Add **pages**. Each page has one or more **windows**: drag them to size and place.
4. Put media into each window (table below).
5. Pages play from top to bottom. Each page can have **its own schedule**.
6. **Save**, then **Publish** and tick your screen.

Everything you can add

CONTENT	NOTES
Images, videos, GIF	The everyday items.
Office documents	Shown as pages.
Text and colourful text	Static or moving.
Digital and analog clocks, timers	Timers count to a time you set.
Weather, RSS, web pages, streaming media	All four need internet at the player.

The Control menu

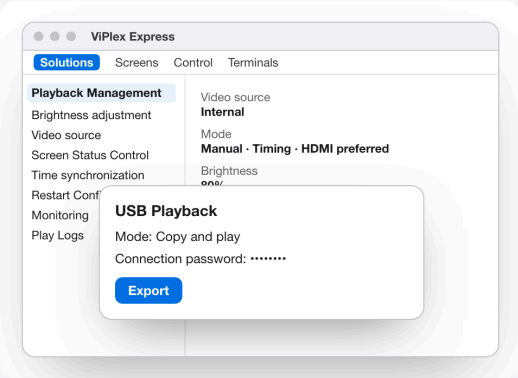


Example screen. Your app may look a little different.

ITEM	WHAT IT DOES
Playback Management	Volume, which solution is playing, and a screenshot of the screen.
Brightness adjustment	Manual, or smart: by timing or automatic.
Video source	Stored content or HDMI: manual, by timing, or HDMI preferred.
Screen Status Control	Blackout or normal, by hand or timed. Blackout is brightness at zero, not power off.
Time synchronization	Manual, or automatic from the internet.
Restart Configuration	Restart now, or on a schedule.
Monitoring and Play Logs	Health of the player, and a record of what played and when, which you can export.
Power control	Switches the wall's mains by schedule. Works only if a relay or multi-function card was fitted.

NOVASTAR · NO NETWORK

Update the screen with a USB pen drive



Example screen. Your app may look a little different.

1. Build the solution in ViPlex Express.

2. **Solutions > USB Playback.**
3. Choose **Copy and play** if you want to take the pen drive away afterwards, or **Plug and play** if it will stay in the player.
4. Type the **player's connection password** when asked. It must match the one set on your player, or the player ignores the drive.
5. Plug the pen drive into the player.

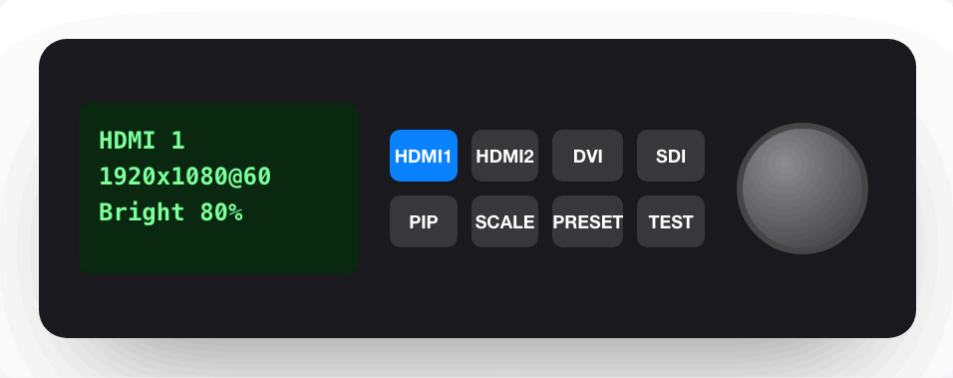
> The password step is a safety feature: a stranger cannot change your screen by plugging in a pen drive.

NOVASTAR · LIVE SOURCES

VX controllers: showing live sources

A VX box (VX400, VX600, VX1000 and others) is a video processor and sending card in one. It stores nothing. It shows whatever is plugged into it: a laptop, a media player, a camera, a set-top box.

What you do from the front panel



Example screen. Your app may look a little different.

CONTROL	WHAT IT DOES
Knob	Press to open the menu, turn to move, press to confirm. **ESC** goes back.
Input buttons	Switch the source: HDMI, DVI, SDI and so on. On the VX1000 a steady light means a signal is present; a flashing light means that input is selected but nothing is coming in.
Screen Brightness	In the main menu, from 0 to 100%.
Layer or PIP buttons	Open and close a second or third picture on top of the main one.
SCALE	Makes the main picture fill the whole screen.
PRESET	Recalls a saved layout. We save the ones you use most.

CONTROL	WHAT IT DOES
Freeze, FTB or Black Out	Freeze holds the picture. FTB (fade to black) or Black Out blanks the wall without switching anything off.
TEST	Shows test patterns, to check every panel lights.

Locking the buttons

Hold the **knob and ESC together** for about three seconds to lock the front panel, and again to unlock. Use it where staff or visitors can reach the box.

Laptop settings that matter

- Set the laptop to **duplicate** (mirror) the display. In extend mode the wall shows an empty desktop.
- Use the HDMI or DVI input we marked for you, and a short, good cable.

> The VX is also set up from a PC with NovaStar's **NovaLCT** and **V-Can** programs. NovaLCT holds your wall's panel configuration and is engineer's work. A wrong change there can blank the wall. Call us before opening it.

NOVASTAR · ANYWHERE

Change content over the internet with VNNOX

VNNOX is NovaStar's cloud service for Taurus players. With it you publish from any browser or from ViPlex Handy, wherever you are.

1. Give the player internet: wired network, your office WiFi, or a 4G SIM.
2. Create a VNNOX account and open **Player Authentication**. It gives you a server, a user name and a password for players.
3. In ViPlex Express: **Control > Server configuration > Bind to VNNOX**. Choose the server and enter those details and a name for the player.
4. The player must be online to bind. Once bound, it shows in your VNNOX account.
5. In ViPlex Handy, switch **Me > Device Control Method** to **Internet Control** to manage it from anywhere.

> The **CLOUD** light on the player tells you the state: steady means it has internet, slow flashing means it is connected to VNNOX. If you want remote publishing, tell us and we set it up and test it with you.

NOVASTAR · PHONE · FULL REFERENCE

ViPlex Handy: every function, explained

This is the complete map of the ViPlex Handy phone app, screen by screen, in the order the app shows it. Use it as a dictionary: find the menu name, read what it does, and see whether it is yours to use or ours. Items marked **Leave this to us** can blank the wall if set wrongly.

How the app is laid out

The first time you open ViPlex Handy it asks you to choose a **device control method**. You can change it later in **Me > Device Control Method**.

What you see at the bottom of the app depends on that choice.

CONTROL METHOD	USE IT WHEN	TABS YOU GET
LAN Control	Your phone is on the player's own WiFi, or on the same office network as the player.	**Local Devices**, **Local Solutions**, **Me**
Internet Control	The player has internet and is linked to NovaStar's cloud (VNNOX). You can be anywhere.	**Player**, **Solution**, **Media**, **Me**

> A **solution** is NovaStar's word for a playlist. A **device** or **player** is the control box behind your screen (the Taurus).

Local Devices: finding and connecting to your screen

This tab lists every player the phone can see. Swipe down to refresh the list. Tap **Set network** to jump to your phone's WiFi settings and join the player's WiFi with the password we set and gave you.

ITEM	WHERE	WHAT IT DOES	WHEN TO USE
Status icon	Next to each device	Shows whether the player is offline (cannot be connected), online (can be connected) or already connected.	Check this first when the app seems stuck.
Connect	Next to the device name	Asks for the player's login and connects. The app remembers the login for next time.	Every time you want to change something.
Weak password prompt	Pops up after connecting	Offers **Ignore Once** or **Change Password** (device password and hotspot password).	Do not change it alone. Tell us and we change and record it for you.
Bind to Cloud	Device menu	Links the player to your VNNOX cloud account. Your phone needs internet and you must sign in to VNNOX.	Only if you want to manage the screen from far away. We can set it up with you.
Forget Password	Device menu, after one successful login	Clears the login the app saved on this phone.	Before handing the phone to someone who should not control the screen.

ITEM	WHERE	WHAT IT DOES	WHEN TO USE
Disconnect	Device menu, when connected	Ends the session with that player.	When you finish.
Rename	Device menu, when connected	Changes the name shown in the list.	Useful if you own more than one screen, for example Front Wall and Lobby.
Delete	Device menu, when connected	Removes the device from this phone's list. It does not wipe the player.	To tidy the list.

Device management: Quick Control and Screen Settings

Tap a connected device's name to open **Device management**. It is a grid of function tiles. You can drag a tile to move it. The first two groups are the ones owners use most.

FUNCTION	WHERE	WHAT IT DOES	WHEN TO USE
Time Zone	Quick Control	Sets the player's time zone (UTC offset).	Once, at the start. Wrong zone means schedules fire at the wrong hour.
Time	Quick Control	Shows the clock for the time zone you chose.	To check the player's clock is right.
Adjust Volume	Quick Control	A slider and up/down buttons for sound.	Only matters if speakers are connected to the player.
Brightness Control	Screen Settings	Set brightness by hand, or set rules for **smart** brightness. Smart rules can be scheduled levels, or **Auto Brightness Adjustment**, which follows a table of outside light against screen brightness inside the time range you set.	Set a day level and a lower night level. Auto needs a light sensor fitted.
Screen Status Control	Screen Settings	Sets the screen status by hand, or by rules on a timer.	To blank the wall at closing time and bring it back in the morning.
Color Temperature	Screen Settings	Changes the tint of white. The choices are **cool white**, **standard white** and **neutral white**.	If whites look too blue or too yellow for your space.
Scheduled Restart	Screen Settings	Restarts the player at times you schedule.	For screens that run all day and night. A weekly restart at a quiet hour keeps it fresh.

> A blanked screen is not switched off. NovaStar's manual says blackout lowers brightness to 0%, it does not cut the power.

Device management: Advanced Settings

FUNCTION	WHAT IT DOES	OUR ADVICE
Password	Changes the connection password of the player.	**Leave this to us.** If it is changed and forgotten, nobody can log in. If you need a new one, call us and we set and record it.
Time Synchronization	Sets how the player keeps its clock right. **NTP time synchronization** copies the time from an internet time server (you pick one or add your own). **RF time synchronization** copies it from another player by radio: you set a group ID and mark each player as master or slave.	NTP is safe to switch on if the player has internet. **RF groups: leave to us.**
Synchronous Playback	Under Advanced Functions. A switch that makes several screens play the same content in step. It works only when their clocks are synchronised and they all hold the same content.	Only for owners with two or more screens that must match. We set it up.
Resolution	Under Advanced Functions. Sets the device resolution.	**Leave this to us.** A wrong value shifts or crops the picture.
Restart	Under Advanced Functions. Restarts the player now.	Safe. Try it first if the screen freezes.
Clear All Media	Under Advanced Functions. Deletes all media stored in the player.	**Leave this to us**, unless we ask you to do it. Your screen has nothing to play until you publish again.
Restore Factory Settings	Under Advanced Functions. Resets the player to how it left the factory.	**Leave this to us.** It wipes the settings that make your wall show a correct picture.

Device management: Network Settings

These settings decide how the player talks to your phone, your PC and the internet. A wrong change here can cut you off from the player, so make changes only with your IT person or with us on the phone.

FUNCTION	WHAT IT DOES	WHEN IT MATTERS
Wireless Network Settings > Hotspot	The player's own WiFi. You can change its name and password here.	**Leave this to us.** If you change the password while connected through that WiFi, you are disconnected at once.
Wireless Network Settings > Wi-Fi	Lets the player join your office or shop WiFi router. Some models can do this and keep their own hotspot. Models with one WiFi radio must switch from hotspot to router mode, and need recent player software.	When you want the player on your own network or on the internet without a cable.

FUNCTION	WHAT IT DOES	WHEN IT MATTERS
Wired Network Settings	Switch **DHCP** (automatic address) on or off. With DHCP off you type a fixed IP address and related details.	**Leave this to us.** A wrong address makes the player unreachable by cable.
Mobile Data Settings	Switches mobile data on or off for players with a 4G module. When on, the page shows the carrier's information.	Only if your player has a SIM card for internet.

Device management: Monitoring, Video Control, Playback and more

FUNCTION	WHAT IT SHOWS OR DOES	WHEN TO USE
Monitoring > Ambient Brightness	The light level around the screen. Appears only when a light sensor is connected.	To check the sensor is working.
Monitoring > Temperature	The temperature of the receiving cards (the small boards inside the wall).	On hot days, or if panels misbehave. Tell us the reading when you call.
Monitoring > Playback Screenshot	Takes a picture of what the player is playing right now.	To check the screen when you cannot see it.
Monitoring > System Parameters	CPU usage, available memory and external storage.	If publishing fails or playback stutters. Send us a screenshot.
Monitoring > Time Parameters	The player's time zone and time.	When schedules run at the wrong hour.
Video Control	Chooses between stored content (asynchronous mode) and the live HDMI input (synchronous mode), and sets full screen zoom and offset position. **Manual** switches now. **Scheduled** switches by the clock. **HDMI preferred** gives priority to the HDMI source.	To show a laptop or set-top box on the wall. NovaStar's manual lists this tile for certain models only. If you do not see it, use the SWITCH button on the box or ViPlex Express.
Playback	Start or pause the solution that is playing, and delete solutions stored in the player.	To stop an old offer at once, or to free space.
Device Information	The device name and registration address, plus firmware, FPGA and sub-software versions. You can also fetch the play log, running log and 4G running log.	When we ask for the software version or logs.
Multi-Screen Mosaic	Joins several screens of the same resolution, side by side, into one wide picture. The screens are linked with HDMI cables and you publish to the starting screen. Settings include orientation (from left or from right) and mosaic by quantity or by width. Older models ask for the total number of screens and each screen's order.	**Leave this to us.** It only applies to special multi-screen jobs.

Cloud binding and Screen Configuration

FUNCTION	WHAT IT IS	OUR ADVICE
Bind to Cloud Services > Bind to VNNOX Standard/AD	Links the player to your VNNOX account so you can publish over the internet. The player must have internet. It needs the authentication details shown under **Player Authentication** in your VNNOX account.	Fine to do with us. Never type details that someone else sends you: the screen would join their account.
Bind to Cloud Services > Bind to VNNOX Care	Links the screen to NovaStar's remote health monitoring. You choose a server and sign in. If the phone has no internet, the app saves the files and finishes later from **Me > System Configuration Files**.	**Leave this to us.** It is a service tool.
Screen Configuration > Screen Connection	Tells the player how the receiving cards inside the wall are arranged and which network port feeds which card.	**Leave this to us.** This is your wall's wiring map. One wrong tap scrambles or blanks the picture.
Screen Configuration > RV Card Configuration	Sends a receiving-card configuration file (ending `.rcfgx`) from the phone to the player. Android only.	**Leave this to us.** The wrong file can make every panel show garbage.

Screen Configuration is hidden until someone switches it on in the **Me** tab. NovaStar's own manual says it is designed for technical support engineers. Keep that switch off.

Local Solutions: building what plays

1. Tap **Local Solutions**. You see the **Solutions List**.
2. Tap **add**. Type a **name** and the **resolution** of your screen, choose a **template**, then tap **OK**. A template is a window layout: pick a ready one or customise your own.
3. If needed, tap **Window Settings** to adjust the layout. A window is one area of the screen. A solution can have one window or several.
4. Tap anywhere inside a window to edit that window.
5. Tap **Add Media** and choose a type from the table below. Then set its properties.
6. Add more items to the same window if you like. They play in order from front to back. **Drag** an item to change the order. Tap the **×** on an item to remove it.
7. Repeat for every window, then **save** or **publish**.

iPhone users: NovaStar asks you to set **Settings > Photos > Download and Keep Originals** and **Settings > Camera > Formats > Most Compatible** so photos and videos publish properly.

Every media type in ViPlex Handy

MEDIA	WHAT YOU CAN SET	NOTES
Cloud media	Pick images and videos from your VNNOX cloud media library.	Phone needs internet and you must be signed in to VNNOX. Saving the solution downloads these files to the phone.
Image	Properties, how long it stays (playback duration) and the transition effect.	Take a photo or choose from the album. Formats: JPEG, BMP, GIF, PNG, WEBP.
Video	Playback effects.	Chosen from the phone. The manual lists these video types: MPEG-1/2, MPEG-4, H.264/AVC, MVC, VP8, H.263, VC-1 and Motion JPEG.
GIF	Adds a moving GIF picture.	Good for small looping animations.
Text	Single-line or multi-line text, text properties, playback duration and effect, with a preview.	More fonts can be downloaded: in the text editor tap **Font > More Fonts**. It needs internet and a VNNOX sign-in.
Analog Clock	Style, text and playback duration.	A clock with hands.
Digital Clock	Style, text and playback duration.	A clock with numbers.
Weather	Style, text and playback duration.	A weather panel.

Saving and publishing

- **Save** keeps the solution on your phone. Nothing changes on the screen yet.
- **Publish** sends it to the player. Select one or more devices, then tap **Publish**. Only **connected** local devices are offered.
- To publish solutions you made earlier: on the Solutions List tap **Select**, tick one or more solutions, tap publish, choose the devices, then tap **Publish**.
- If the player's storage is full, the app warns you and asks you to clear all media in the player. It will not publish until space is freed. Call us before you clear anything.

The Me tab

ITEM	WHAT IT DOES	OUR ADVICE
Log In/Register	Signs you in to the VNNOX cloud with a phone number, email, or user name and password.	Needed only for cloud media, extra fonts and Internet Control.
Device Control Method	Switches between **LAN Control** and **Internet Control**.	LAN when you are at the screen. Internet when you are away and the player is on VNNOX.
Help	Shows the app version, copyright and contact email, opens the user manual, and takes feedback.	Tell us the version number if we ask.
Language	Changes the app's language. The manual lists Chinese, English, Japanese and Spanish.	Safe.

ITEM	WHAT IT DOES	OUR ADVICE
Firmware Management	Downloads upgrade packages for the player's internal software and sends one to the player. The player then upgrades and restarts by itself.	**Leave this to us.** A wrong package or a power cut during the upgrade can leave the player dead.
System Configuration Files	Lists devices whose VNNOX Care binding did not finish, so it can be completed once there is internet.	**Leave this to us.**
Screen Configuration	The switch that reveals the engineer's screen set-up tools.	**Leave this to us.** Keep it off.
Demo	Demo mode opens every function without connecting to a real device.	Safe, and a good way to practise. Nothing reaches your screen. Switch it off afterwards.
Clear Cached Media	Deletes temporary files the app downloaded to your phone. Your solutions still work.	Safe. Use it if the phone is short of space.

Internet Control: running the screen from anywhere

Set **Me > Device Control Method** to **Internet Control** and sign in to VNNOX. The app shows only the parts your VNNOX account is allowed to use. Your phone needs internet, and so does the player.

TAB	WHAT YOU CAN DO
Player	See your cloud devices and filter them by online or offline. For an online device: **Control** sets the screen to **Black** or **Normal**, **Rename** changes its name, **Delete** removes it from your cloud account (this unbinds it). Offline devices offer Rename and Delete only. **Devices being bound to cloud** at the top right lists bindings that have not finished.
Solution	See, create, edit, publish and delete cloud solutions. A new one needs a name and resolution, then **Image** or **Video** items. Only solutions created in ViPlex Handy can be edited in the app. After publishing you can check the publishing status.
Media	Your VNNOX media library. Upload images and videos from the phone, view them, or delete them.
Me	**Device Control Method**, **Help**, **Language**, **Clear Cached Media** and **Log Out**.

> **Delete** in the Player tab unbinds the screen from your cloud account. After that it cannot be reached over the internet until it is bound again. Do not tap it unless we ask you to.

When a cloud binding does not finish

NovaStar lists three usual causes: the player has no internet, the player and phone are not on the same network (older player software needs this), or the player is already bound.

- If you see **Retry**: give the player internet, put the phone on the same network, then tap **Retry**. On newer player software tap **View** and follow the steps on screen.
- If you see **Failed**: the player may already be bound. If it is not, delete it from the Binding page and bind again.
- If it still does not work, call us on 72048 08334.

NOVASTAR · PC · FULL REFERENCE

ViPlex Express: every function, explained

This is the complete map of ViPlex Express in **Async mode**, the mode for Taurus players: you build on the PC, publish, and the player stores the content and plays on its own. It follows the program's own order: **Screens**, **Solutions**, **Schedule**, **Control**, then the settings menu at the top right. Items marked **Leave this to us** can blank the wall if set wrongly.

Before you start: the PC and the mode

- **PC needed, at minimum:** Windows 7 SP1 64-bit, an i5 processor, 4 GB of memory and 60 GB of disk.
- **Where to get it:** NovaStar's download page, `www.vnnox.com/download`. Run the installer and follow the wizard.
- **Working mode:** ViPlex Express has two. **Async mode** sends solutions to the player, which stores and plays them. **Studio mode** plays from the PC live. For a Taurus player you want **Async mode**: top right menu > **Working Mode > Async Mode**, then **OK**. The program restarts in that mode.
- If the program says a port is being used by another program when it opens, close that other program and start ViPlex Express again.

Screens: finding and logging in

The **Screens** page lists every player the PC can reach. The PC can reach a player four ways: a network cable straight to the player, the player's own WiFi, the same wired office network, or the same office WiFi (for players that can join a router).

For cable and office-network connections on recent player software, the PC and the player must be on the **same network range**.

ITEM	WHERE	WHAT IT DOES	WHEN TO USE
Refresh	Screens page	Searches again. The program then tries to log in with the last login used.	Always the first thing to press.
Search by IP Address	Bottom left	Finds a player on another network range. Choose **Specify IP** or **Specify IP Range**, then **Search**, then connect by hand.	When Refresh shows nothing and the player is on your office network.
Status icon	Next to each screen	Online (you can log in), offline (you cannot), or logged in.	To see at a glance if the player is reachable.
Connect	Next to the screen	Asks for the login we gave you. The program saves it.	Before publishing or controlling.
Log Out	Right-click the screen	Logs out of that screen.	On a shared PC.
Obtain SN	Right-click	Reads the player's serial number. Works for several screens at once.	When we ask for the serial number.
Rename	Right-click	Changes the screen's name in the list.	If you own several screens.

ITEM	WHERE	WHAT IT DOES	WHEN TO USE
Change Password	Right-click	Changes the player's WiFi password and its login password.	**Leave this to us.** Changing both over WiFi drops the link and the change can fail half way.
Forget Password	Right-click	Deletes the login saved on this PC.	Before someone else uses the PC.
VPN settings	Right-click	Connects the player to a VPN (a private network tunnel): name, server address, type, user name, password and key.	**Leave this to us** or your IT person.
Download Operation Log	Right-click	Saves the record of operations done on the screen.	When we ask for logs.

> A warning mark next to a screen's name means the program judged its password to be weak. Tell us and we set a stronger one and record it for you.

Solutions: two kinds, and the editing page

Solutions > New offers two kinds. **Regular Screen** is for normal walls: its resolution must match your screen exactly. **Ultra-Long Screen** is for very wide, short ribbons that are wider than the player's normal limit. It works only on certain players, cannot play in sync with other screens, cannot be made into a pen drive, and NovaStar advises against video and text together on it. If your screen is a ribbon, we tell you the numbers to type.

When you create a solution you give it a **name** and **resolution**, and you can pick the **screen and model** it is for. The editing page then opens. It has six areas.

AREA	WHAT IT IS FOR
Save bar	Save, save as another solution, and change the solution information.
Media bar	One icon for each kind of content. Click an icon to add it to the page.
Top right buttons	The **Beginner's Guide**, **Preview** of the current page, **View Schedule** (when each page plays) and **Publish**.
Page list and media list	Add, copy, delete and reorder **pages**. Pages play from top to bottom. The media list lets you reorder or delete items with the up and down buttons or by dragging. For overlapping items this sets which sits on top.
Editing area	The picture of your screen. Drag items to place and size them.
Properties panel	**Widget Properties** for the selected item (they differ for each kind of content) and **Page Properties** for the page.

> Preview shows videos as a still picture, not moving. If you change a page while the preview window is open, click **Refresh** in it.

Every kind of content you can add

CONTENT	WHAT IT IS	NOTES FROM NOVASTAR
Mixed media	One window that holds several files and plays them one after another, like a playlist.	Choose files from the file explorer that opens below the properties area.
Video	A video file from the PC.	Unsupported formats are converted automatically when you publish.
Image	A picture file.	JPG, JPEG, BMP, GIF, PNG and WEBP.
Document	Office files shown as pages.	For Excel: keep the default row height, at most 500 rows, and no wider than an A4 landscape page. Only text colour and merged cells are kept. Pictures inside the sheet are not shown. If it fails, clear the cell formatting and import again.
Text	Typed text, still or scrolling.	Extra fonts are added under **Control > Font management**.
Colorful text	Decorative, multi-colour text.	For headlines and offers.
Digital clock	A clock with numbers.	Uses the player's clock, so set the time zone.
Analog clock	A clock with hands.	Same.
Timer	A counter based on a moment you set.	For sale countdowns and openings.
Weather	Live weather.	The screen must have internet.
Environment monitoring	Shows readings from a sensor wired to the player, such as temperature.	Works only after the sensor is set up in **Control > Sensor**.
Table	A grid of rows and columns.	For rate lists and timetables.
RSS	A news feed from a web address.	Needs a valid address and internet.
Streaming media	A live video stream from a web address.	Needs a valid address and internet.
Web page	A website shown in a window.	Needs a valid address and internet.
Cut-to-display window	A special window for long, thin screens: one wide strip is cut into parts and stacked.	**Leave this to us.** It must match how the wall is wired.
HDMI IN	Shows the live HDMI input inside a window, next to stored content.	NovaStar lists this for two TU models only. Most Taurus players do not have it.

Page properties and layout tools

- **Zoom tools:** zoom in, zoom out, original size, and fit to the program window. They change your view only, not the screen.
- **Size tools:** fill the entire screen, fit horizontally, fit vertically.
- **Align tools:** top, bottom, left, right, centre horizontally, centre vertically.
- **Layer tools:** bring forward, send backward, bring to front, send to back. They decide which item sits on top where items overlap.
- **Crop image**, **delete selected media** and **clear all media** on the page.

SETTING	WHAT IT MEANS	WHEN TO USE
Name	The page's label in the list.	Name pages by purpose: Morning menu, Weekend offer.
Play Count	How many times the page plays in a row before the next page.	To give one page more airtime.
Validity Range	A **Start Date** and **End Date**. Outside those dates the page is skipped.	For offers that must stop by themselves on a date.
Schedule	The time slots and the days of the week when the page plays. If two pages' slots overlap, they play in order from top to bottom.	Breakfast menu in the morning, dinner menu at night.
Apply Schedule	Copies this page's schedule to other pages you tick.	To save time when many pages share the same hours.
Page Template	Ready-made window layouts, or your own: number of windows, position, width and height.	To split the screen, for example video on the left and a price list on the right.

Publish, pen drive, export and import

FUNCTION	WHERE	WHAT IT DOES	GOOD TO KNOW
Publish	Solutions list (hover over a solution) or the editing page	Sends the solution to the screens you tick. Click **Refresh** in the dialog to list every screen you are logged in to.	A solution with an **empty page** cannot be published. Fill or delete the page.
Start Playback Simultaneously	A tick box in the Publish dialog	Makes screens that are set for synchronous playback start together.	Only for matched multi-screen sites. Not available for ultra-long solutions.
Media Check	A column in the Publish dialog	Flags any file that is beyond what the screen can play, with a suggestion.	Follow the suggestion before publishing, or the file may not play well.
USB Playback	Solutions list	Writes one or more solutions to a pen drive. **Plug and play** plays straight from the drive, so the drive must stay in. **Copy and play** copies to the player, so you can remove the drive.	It asks for the player's connection password. The player plays the drive only if it matches. Not available for ultra-long screens.

FUNCTION	WHERE	WHAT IT DOES	GOOD TO KNOW
More > Export	Solutions page	Saves chosen solutions as files in a folder you pick.	For backup, or to move your work to another PC.
More > Import	Solutions page	Loads solution files that were exported earlier.	After a PC change or reinstall.

> If the solution's resolution does not match the screen, the picture can look stretched or distorted. Always type the exact resolution we gave you.

Schedule: a timetable of whole solutions

Page schedules (above) work inside one solution. The **Schedule** page is one level higher: it places whole solutions on a calendar. Use it when you keep separate solutions, for example a weekday one and a festival one.

1. Open **Schedule** and click **New Schedule**. Type a name and the resolution, then **OK**.
2. Click **Add Solution** and tick the solutions to include.
3. Optional: tick **Non-Scheduled Content** and choose a solution. It plays whenever nothing else is scheduled, so the screen is never empty.
4. Open the **Calendar View** tab. Click **New**, or click a cell in the timetable (each cell is one hour).
5. In **Add Schedule**, choose the solution, its validity range, how it repeats and how long it plays. Click **Add**. Repeat for each slot.
6. Publish the schedule to your screen. An empty schedule cannot be published.

> The Schedule page has its own **USB Playback** (the files must be saved to the top folder of the pen drive), **Export** and **Import**. You can also edit, delete or clear schedule entries.

Control: the items owners use

Open **Control**, choose an item on the left, then pick your screen from the list. **Read back** fetches the player's current settings so you see what is set now. Most items let you tick several screens at once. Changes take effect when you click **Apply**.

FUNCTION	WHERE	WHAT IT DOES	WHEN TO USE
Playback Management	Control > Playback Management	Volume, the solutions stored in the player, and a live screenshot. Details in the next block.	To check or change what is playing.

FUNCTION	WHERE	WHAT IT DOES	WHEN TO USE
Brightness adjustment	Control > Brightness adjustment	**Manual**: a slider or a typed value. **Smart > Timing**: a fixed level for the period you set. **Smart > Auto**: follows a table that maps outside light to screen brightness, with how often and how many times to measure.	Set a bright day rule and a dim night rule. Auto needs a light sensor.
Video source	Control > Video source	Chooses stored content (**Internal**) or the live **HDMI** input. **Manual** switches now. **Timing** switches by time and day. **HDMI preferred** gives the HDMI input priority.	To show a laptop or set-top box. The same page also holds resolution and position settings: **leave those to us**.
Screen Status Control	Control > Screen Status Control	**Manual**: click **Blackout** or **Normal**. **Timing**: rules that do it by time and day.	Close-of-day blanking. Blackout lowers brightness to 0%. It does not cut the power.
Time synchronization management	Control > Time synchronization management	**Manual**: choose the time zone and, if needed, correct the date and time. **Automatically sync time** with **NTP** (an internet time server, or one you add) or **GPS** (needs an extra module). The page shows a note when daylight saving time applies.	Set the time zone once. Use NTP if the player has internet. A player can also act as an **NTP Server** for other players: leave that to us.
Restart Configuration	Control > Restart Configuration	**Restart Now**, or rules for restarts by time and day.	A frozen screen, or a weekly restart at a quiet hour.
Color temperature	Control > Color temperature	The tint of white: **neutral white**, **standard white** or **cool white**.	If whites look too blue or too warm in your space.
Monitoring	Control > Monitoring	Disk size, memory use, CPU use, ambient brightness, and external storage if fitted.	When publishing fails or playback stutters. It also has **Clear All Media**: leave that to us.
Play logs	Control > Play logs	A record of what played and when. Pick a time range and click **Query**. Click a log to see a summary and details. **Export** saves it in the format and folder you choose.	Proof of play for advertisers or head office.
Font management	Control > Font management	Sends fonts (TTF or TTC files) from the PC to the player with **Update**. **Read back** lists the fonts in the player, where you can delete them.	When your brand font shows wrongly on the screen.
Player Information	Control > Player Information	MAC address, IP address, product model, system software version and application version.	When we ask which model or version you have.

Playback Management in detail

ITEM	WHAT IT DOES	OUR ADVICE
Volume	A slider or a typed value in the Playback Configuration area.	Only matters with speakers connected.
View Screenshot	Shows a live picture of what the screen is playing.	Use it to check the screen from your desk.
Exception Log	Lists problems that happened during playback.	Send it to us if content skips or fails.
Play / Stop	Hover over a stored solution's thumbnail to play it or stop it.	To switch between solutions already in the player.
Delete	Removes a stored solution from the player.	To free space. Keep the one that is playing.
Solution Rotation	Turns the playback window by the angle you choose.	**Leave this to us.** A wrong angle turns your whole picture.
Synchronous playing	Switches synchronous playback on or off.	Only for matched multi-screen sites. We set it.
Requirements Check	When on, the player detects media that does not meet its requirements.	Leave it on.
Backup	Backs up important system data.	Leave as we set it.
Prestored Image	A picture shown if a fault makes the player lose its solution.	A logo or a plain holding picture works well. Ask us to set it.
No Internet Image	A picture shown when a web page or stream in your solution goes offline. JPG, JPEG, PNG or BMP, up to 1920×1080.	Worth setting if you use web pages or streams.

> Backup, Prestored Image and No Internet Image need recent player software. If you do not see them, your player's version does not have them.

Control: items to leave to us

You may open these pages and look. Do not click **Apply** on them without us on the phone: 72048 08334.

FUNCTION	WHAT IT IS	WHY WE HANDLE IT
Video source: Internal Source Resolution, Output Position, HDMI Source Resolution	The player's internal picture size and frame rate, where the picture starts on the wall, and the size of the HDMI signal.	A wrong value shifts, crops or blanks the picture. The HDMI picture can only be scaled down, never up.
Network configuration: wired network	**DHCP** (automatic address) on or off, or a fixed IP address.	A wrong address makes the player unreachable. It is delivered with DHCP on.

FUNCTION	WHAT IT IS	WHY WE HANDLE IT
Network configuration: Player Wi-Fi AP	The player's own WiFi: on or off, name, password, channel, and **Isolate from Local Network**.	Changing the name or password cuts off every phone and PC that uses it.
Network configuration: Wi-Fi and Wi-Fi-STA Mode	Joins the player to your router's WiFi. Some models must switch from their own hotspot to router mode. NovaStar asks for a 2.4 GHz network and a cable link while switching.	If it fails half way, the player has no WiFi at all. The player prefers wired, then WiFi, then 4G.
Network configuration: Mobile Network	For players with a SIM card: switch mobile data on, and add the carrier's APN details.	Wrong APN means no internet. We set it when we fit the SIM.
Network configuration: Network Detection	The addresses the player pings to decide whether it is online.	No reason for an owner to change it.
Server configuration	**Bind to VNNOX**: links the player to a VNNOX cloud account using a server, authentication user name, password and player name. It also shows iCare binding information if the screen is bound.	Bound to the wrong account, someone else controls your screen. We bind it with you.
Player Upgrade	**Device Upgrade** fetches new player software online. **Local Upgrade** uses a file. Older editions also have **Flashing Firmware** to roll back by serial cable.	NovaStar warns: do not disconnect the power during an upgrade. A failed upgrade can leave the player dead.
Power control	Switches mains to the wall through a relay: **Manual** on and off, or **Scheduled**. **Configure Power Tag** names each relay.	Works only if a relay or multi-function card was fitted. Wrong tags can switch the wrong circuit.
RF Configuration	Radio linking between players: switch on RF synchronization, set master or slave, a group ID, and what to copy (time, brightness, volume, sensor data).	Needs an RF module. A wrong group or role makes screens follow the wrong master.
Sensor	Tells the player which sensor is wired to it: the maker and the type, such as brightness or temperature.	Wrong type gives wrong readings, and auto brightness then misbehaves.
Studio Mode	A switch that lets the player play image and video files from a pen drive **without the device password**, with a set duration, scaling and entrance effect.	It removes the pen drive safety lock. Anyone with a pen drive could change your screen.
Multi-Screen Mosaic	Joins several same-size screens, linked by HDMI, into one wide picture: orientation, by quantity or by width.	Only for special multi-screen jobs. Wrong numbers split the picture wrongly.
On/Off	Scheduled power on and off of the player itself.	NovaStar says only its NS series supports it. It does not apply to Taurus TB players.
Monitoring > Clear All Media	Deletes stored media from the player, by the scope you tick.	The screen has nothing to play until you publish again.

> Never cut power to the player while **Player Upgrade** is running. If the screen goes dark during an upgrade, wait and call us. Do not restart it yourself.

The settings menu (top right)

MENU	WHAT IT DOES	OUR ADVICE
Language	The program's display language.	Safe.
Working Mode	Studio mode or Async mode.	Keep **Async mode** for a Taurus player.
Appearance	Dark or light look for the program.	Safe. Your choice.
RF Control	Manages playback on all radio-linked screens except the reference device. It asks for a password.	**Leave this to us.**
Custom server	Add, change or delete your own server addresses for cloud services and time synchronisation.	**Leave this to us.**
Preferences	Where the program saves its files, a network compatibility setting, and **Remember Password**. With it unticked, you type the login every time you connect.	Untick Remember Password on a PC that other people use.
Check for Updates	Looks for a newer ViPlex Express for the PC.	Safe. This updates the PC program, not the player.
Feedback	A QR code to send feedback to NovaStar.	Optional.
Reset Screen	Resets a screen. Options include the **connection password** (back to the factory one) and **binding information** (clears the VNNOX links).	**Leave this to us.** It undoes the security and cloud set-up we did for you.
APP	A QR code to download ViPlex Handy.	Handy for a new phone.
Help and **About**	The program's documentation, its version and NovaStar's website.	Tell us the version if we ask.
Open NovaLCT	Opens NovaStar's engineering program in one click.	**Leave this to us.** NovaLCT holds your wall's panel configuration.
VNNOX login	A button at the top right that opens the VNNOX sign-in for remote content and screen control.	Use it only if we set up cloud control for you.

Files the player can play

KIND	FORMATS NOVASTAR LISTS	LIMITS TO REMEMBER
Images	JPG, JPEG, BMP, GIF, PNG, WEBP	JPG pictures from 48×48 up to 8176×8176 pixels.
Video	MP4, MOV, AVI, MKV, TS, FLV, 3GP, WMV, WEBM, MPG and others, depending on how the video was encoded	On most models up to 1920×1080. A few models go higher. H.264 in an MP4 file is the safe choice.

KIND	FORMATS NOVASTAR LISTS	LIMITS TO REMEMBER
Audio	MP3, WMA, WAV, OGG, FLAC, AAC, M4A and others	Sound plays only if speakers are connected to the player.
Fonts	TTF and TTC	Added through **Control > Font management**.

> When a video is in a format the screen cannot play, ViPlex Express converts it automatically while publishing. If the **Media Check** column still shows a warning, send us the file and we convert it for you.

WHEN SOMETHING IS WRONG

Problems and fixes

Most calls we get are one of these. Try the fix first; if it does not work, call us and tell us which line you tried.

Huidu screens

WHAT YOU SEE	LIKELY CAUSE	WHAT TO DO
The app or HDPlayer cannot find the screen	Not on the controller's WiFi, or the cable is loose	Join the controller's WiFi again. On cable, check the port lights (green flickering, orange on) and wait 40 to 50 seconds.
The screen is black at certain hours	The on/off timer is set	Open the switch on/off setting and check the time periods. The timer only blanks the picture.
Timers and the clock are at the wrong time	The controller's clock is wrong	Use **Time correction** to sync with the phone or the PC.
The picture is cut off, squeezed or in one corner	The program was made at the wrong resolution	Make the program again with the screen's exact width and height.
Too bright at night, too dull in the day	Brightness is fixed at one level	Set brightness **by time**: a day level and a night level.
Temperature, humidity or auto-brightness shows nothing	No sensor is fitted	These need a sensor on the controller. Ask us if you want one added.
A Word, Excel or PowerPoint file will not show	Office is not on the PC	Install Microsoft Office or WPS on the PC that runs HDPlayer, or save the page as a picture.
The screen is not online in the cloud	No internet at the controller	Check the router or the SIM, the server and username in the cloud setting, and the APN for the SIM.
You forgot the WiFi password	The handover sheet is lost	Call us. We set a new one and give it to you.

NovaStar screens

WHAT YOU SEE	LIKELY CAUSE	WHAT TO DO
The app or ViPlex Express cannot find the screen	Not on the player's WiFi, or PC on another network range	Join the WiFi that starts with `AP`. In ViPlex Express press Refresh, then Search by IP Address. Allow the program through the Windows firewall.
The whole screen is black (Taurus player)	Blackout is on, brightness is zero, or the source is HDMI with nothing plugged in	Check Screen Status Control, then Brightness, then the SWITCH button or Video source.
The whole screen is black (VX box)	No signal on the selected input, or FTB, Black Out or Freeze is on	Press the right input button, set the laptop to duplicate, switch off FTB or Black Out, check brightness is not 0.
Schedules run at the wrong time	Wrong time zone or clock	Set the time zone and switch on time synchronization.
New content does not appear	The solution has an empty page, the player's storage is full, or you are not logged in	Fill or delete empty pages, log in to the screen, publish again. Call us if storage is full.
The pen drive is ignored	The password typed for USB Playback does not match the player	Make the pen drive again with the correct connection password.
The player is offline in VNNOX	No internet at the player	Check the cable or WiFi; for 4G check the SIM, mobile data and the carrier's APN. Look at the CLOUD light.
You forgot the WiFi password or the login	The handover sheet is lost	Call us. Do not press and hold RESET on the box: that returns the player to factory settings.

Before you call

- Note **what the screen shows** now (black, frozen, part missing, wrong colours) and take a photo.
- Check the **power**: is the controller's light on, are the wall's power supplies on.
- Tell us **what changed last**: a new program, a power cut, a moved cable.
- Keep the phone or PC near the screen so we can guide you step by step.

KEEP IT RUNNING WELL

Six habits that keep the screen trouble-free

- **Lower the brightness at night.** It is easier on the eyes and the screen draws less power.
- **Use the on/off timer** for closing hours, and switch off at the mains for long holidays.
- **Never cut power during an update** of the controller's software.
- **Keep the WiFi password private** and change it if a staff member who knew it leaves.
- **Keep one good program stored** as a fallback, so the screen is never blank if a new upload goes wrong.
- **Make content at the screen's exact resolution.** It looks sharp and nothing gets cut off.

QUICK ANSWERS

Questions owners ask

Do I need the internet to change what the screen shows?
No. WiFi from your phone, a LAN cable from a PC and a USB pen drive all work with no internet. Internet is needed only for publishing from far away through the cloud, and for the weather item.

Will my content keep playing if I switch off my phone or PC?
Yes. A program you send is stored inside the controller and plays on its own. Only HDMI needs the laptop to stay connected.

What is the WiFi password of my screen's controller?
We set it at installation and give it to you on the handover sheet. If you have lost it, call or WhatsApp us from the number we have on file and we set a new one.

What size should I make my videos and pictures?
The same width and height in pixels as your screen. We write this on your handover sheet. Content made at any other size is stretched or cut.

Can I show my laptop screen live?
Yes, if your controller has an HDMI input. On Huidu that is the HD-A4L and the models above it. On NovaStar it is the TB2-4G, TB40, TB50 and TB60 players and every VX box. Plug in, set the laptop to duplicate, and the wall shows the laptop.

Can I schedule different content for morning and evening?
Yes. In HDPlayer give each program a specified time so it plays only in that period. Brightness and on/off have their own timers too.

I changed something in the hardware settings and the wall went black. Is it damaged?
No. The wall has lost the settings that tell it how its panels are arranged. Do not change anything else and call us; we put the settings back.

My controller is a NovaStar VX. Why can I not store a video in it?
A VX box is a live-source controller: it shows what is plugged into it and has no storage for playlists. To play stored content, plug a media player or a laptop into it, or ask us about adding a Taurus player.

How do I switch a NovaStar Taurus player between stored content and HDMI?
Press the **SWITCH** button on the box (light on means HDMI), or in ViPlex Express open **Control > Video source** and choose Internal or HDMI. HDMI input is on the TB2-4G, TB40, TB50 and TB60.

Does Blackout switch my screen off?
No. On both Huidu and NovaStar, the timed off or blackout only blanks the picture. The screen is still powered. Switch off at the mains for long holidays.

Written from Huidu's manuals for LedArt and HDPlayer, NovaStar's manuals for ViPlex Handy, ViPlex Express and the VX series, and from our own installations. Apps change between versions, so a button may sit in a slightly different place on your phone or PC. LedArt and HDPlayer are Huidu's products; ViPlex, VNNOX and NovaLCT are NovaStar's. PixelSpot installs and supports screens that use them and is not their maker.