

User manual - LED Advertising Display - P2.5 Novastar



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1. Package content

- 1 Individual LED Digital sign P2.5
- 1 ceiling bracket
- 1 power cable

2. Product features

- Supports various image and video formats including: JPG, JPEG, BMP, GIF, PNG, WEBP, MPEG, MP4.
- Easy data management and transfer using ViPlex Express on PC and ViPlex Handy on your mobile device.
- Pixel pitch of 2.5mm.
- Screen dimensions: 1125 x 645 x 90mm.
- Net weight: approximately 25kg.

3. Connecting to the display

You can connect to the display using different methods. The easiest method involves connecting an Ethernet cable straight to the computer. With this option, you can easily locate it and configure it using ViPlex Express.

Alternatively, you can connect via WIFI by following these steps:

1. Connect the power cable and turn on the display.
2. The display will create a network access point visible from the computer. The name will be: AP + the display's identification number (shown on a sticker on the top of the display).
3. Download the ViPlex Express software from the product website **barcelonaed.com** onto the computer and launch it.
4. Software credentials:

Access	Username	Password
Connect Wi-Fi	AP + last 8 digits of the display Ad esempio: AP10001032	12345678
Login to the software	admin	123456

4. Desktop App (ViPlex Express)

ViPlex Express is a LAN-based display management software.

It can automatically find and link to terminals on the same local network (LAN), enabling tasks like configuring displays, managing playback, and sharing content. Currently available only for Windows, it's used to control Novastar's Taurus chip readers.

This software offers various benefits, including:

- Extremely user-friendly interface: designed with simplicity and high intuitiveness to meet user needs.
- Ease of use: enables wireless connection and easy access to displays.
- Synchronised playback: allows running a program on multiple displays simultaneously.

You can obtain ViPlex Express software on the product page of the website barcelonaed.com or by using the following link: <https://descargas.barcelonaed.com/index.php/s/Tlph8hjMrzaqkc1/download>.

Once the program is launched, you will access the section named "Pantallas" (Screens). Here, you can view all monitors connected to your device, along with details on their pixel dimensions and current status. Screens can be in three different states:



: The device is online and ready for access.



: The device is online and logged in.



: The device is offline.

When connecting to a display network, ViPlex Express will automatically attempt to establish the connection and start the session. If it fails to do so, you'll need to click the "Connect" button:



After you perform this operation, you will enter the credentials provided earlier and then click the "OK" button.

Related operations

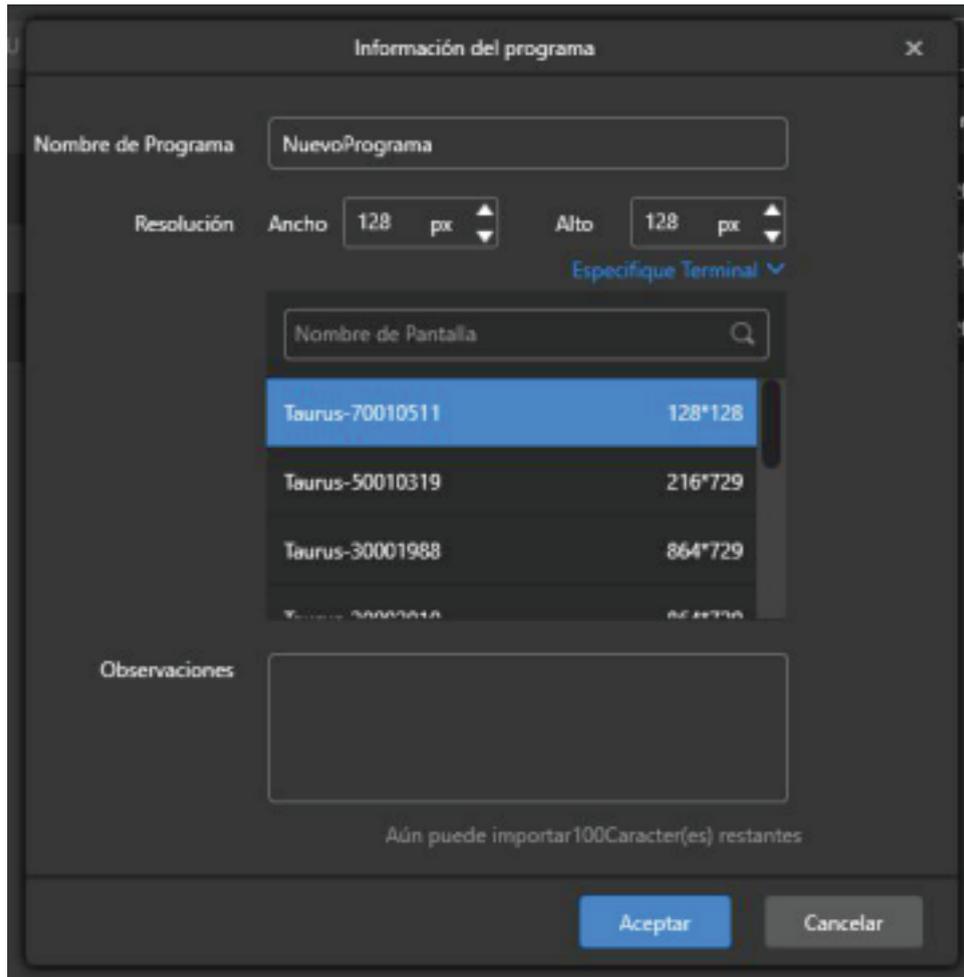
By right-clicking on the screen, you can access the following operations:

- . Exit: Close the screen session.
- . Rename: Modify the screen name.
- . Change password: Modify the password of the "admin" user used for login.
- . Recover password: Delete the username and password and reset them.

Create a program

To create a new program, you need to access "Gestión de pantallas" (Screen Management) in the menu at the top. In this section, you will be able to view the created programs and create a new one by following these steps:

- Click on the "**Nuevo**" (New) button.
- Enter the program name and resolution in pixels. You can specify which screen you want the content to be loaded, ensuring it automatically adjusts to fit the pixels.
- Click "**Aceptar**" (Accept) to access the editing page.



Información del programa

Nombre de Programa: NuevoPrograma

Resolución: Ancho 128 px, Alto 128 px

Especifique Terminal

Nombre de Pantalla

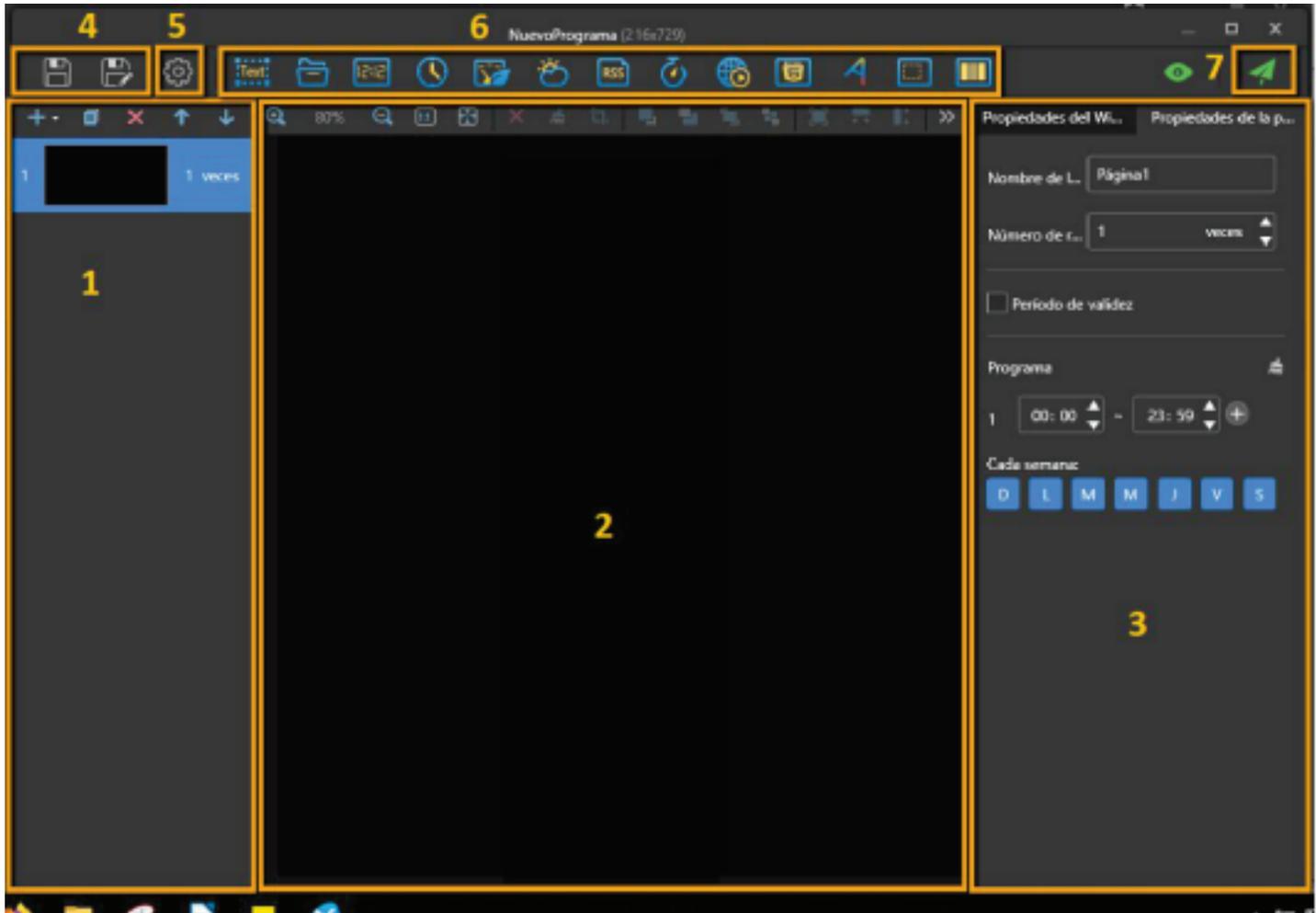
Taurus-70010511	128*128
Taurus-50010319	216*729
Taurus-30001988	864*729
Taurus-30001988	864*729

Observaciones

Aún puede importar 100Caracter(es) restantes

Aceptar Cancelar

- On the editing page, you will find the following format:



- 1. Page Editing Area:** Allows you to create, copy, and delete pages within the program, as well as adjust their order. Pages will be displayed from top to bottom.
- 2. Content Editing Area:** Enables you to modify the uploaded content, delete it, or adapt it to pixel dimensions.
- 3. Properties Editing Area:** You can edit the properties of the page and the uploaded widgets. Users upload content to the page in the form of widgets.
- 4. Save Buttons:** Used to save the program.
- 5. Configuration Button:** Allows you to modify the program's name and pixel dimensions again.
- 6. Media Adding Buttons:** Enables you to add various types of content to the program, including images, videos, widgets, or moving texts.
- 7. Content Publishing Button:** Allows you to save the content and subsequently publish it on the connected display.

Note: If you upload videos or images in a format that the display doesn't support, ViPlex Express will automatically convert them to a compatible format

Publishing solutions

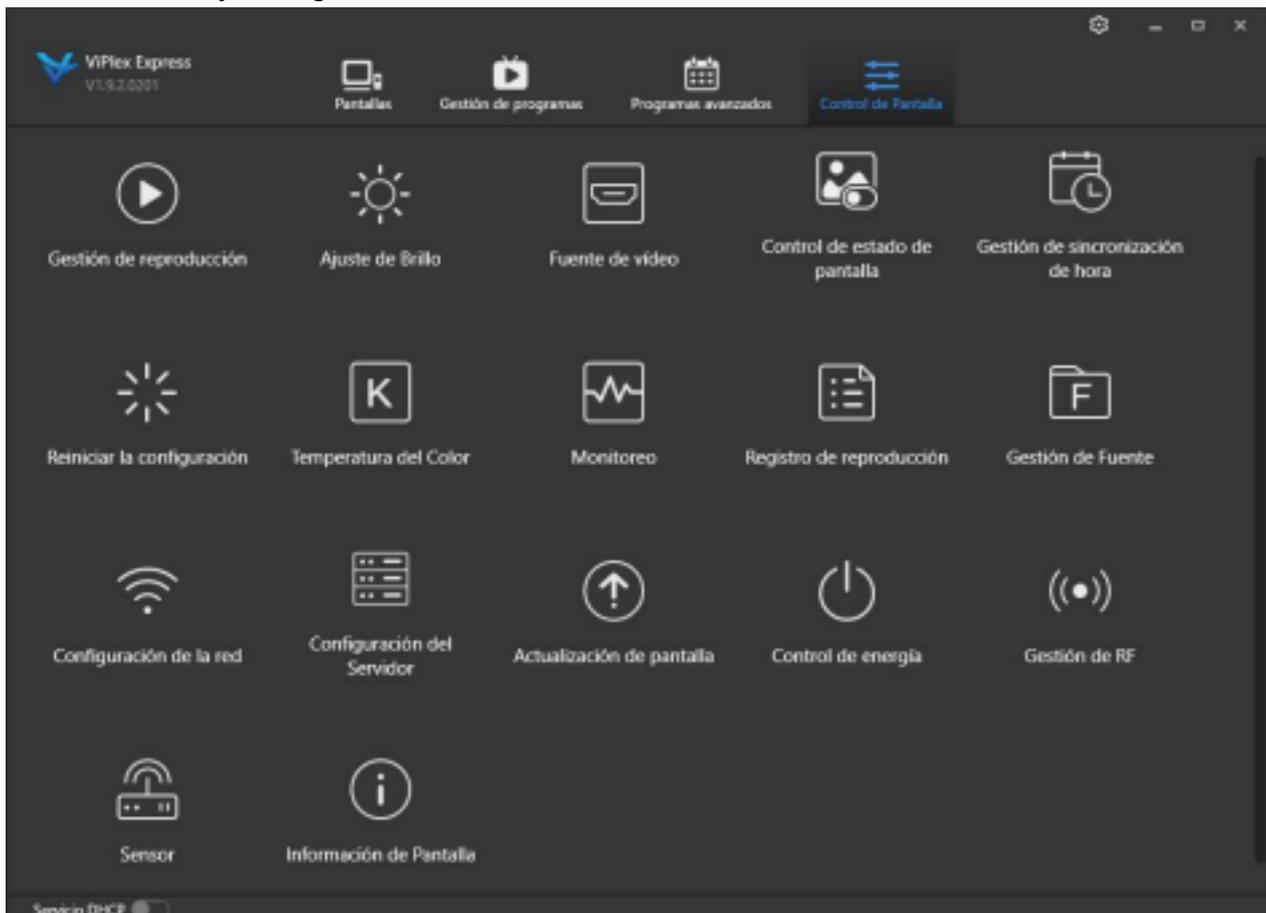
- . Only programs with content can be uploaded.
- . Only one program at a time can be sent to the display.
- . A solution can be sent to multiple displays simultaneously.

On the editing page, content can be published using the publish button located in the top right corner. In Program Management, the following steps are required:

1. Select a program and click  next to the program information.
2. Click "**Actualizar**" (update) in the window that appears to view the connected screens.
3. Select the desired screen to upload the content and click the "**Publicar**" (publish) button. The content published on a display will be saved in its internal memory for easy future access.
4. Exit by pressing the "**Listo**" (done) button once the content has been published.

Screen control

ViPlex Express also offers extensive customisation and content playback on the displays. All configurations can be found in the "**Control de pantalla**" (Screen control) screen. Some of the key configurations include:



- **Playback Management:** You can view and modify what is played on connected devices among the programs stored in the internal memory. Additionally, you can delete programs directly from their internal memory.
- **Brightness Adjustment:** You can adjust the screen brightness in real-time in two modes: manual and intelligent. In the manual mode, you can set the desired brightness percentage. In the intelligent mode, you can schedule different brightness levels for the display during specific periods (e.g., 100% brightness from 8:00 to 20:00, and 50% brightness from 20:00 to 8:00).
- **Video Source:** On screens with HDMI input/output, you can choose from which source you want to play the content. It's also possible to modify the screens' resolution.
- **Screen Status Control:** You have the option to manually turn the screen on or off, or schedule periods where the displayed content will be paused. Playback will resume once the screen is turned on again.
- **Colour Temperature:** You can choose the light shade that the displays show between warm, neutral, and cool.
- **Monitoring:** Allows you to see the capacity and CPU usage of the devices, along with the ability to clear internal storage space to free up memory.
- **Network Configuration:** In the AP Screen Configuration section, you can change the password of the access point created by the display when it's turned on.
- **Screen Information:** Allows you to view screen information such as MAC address, IP address, or product model (T1 or T6).

Note: T1 displays are unable to connect to each other or have HDMI connections. To meet this requirement, you will need a T6 display, available on the barcelonaed.com website.

5. Browser App (VNNOX)

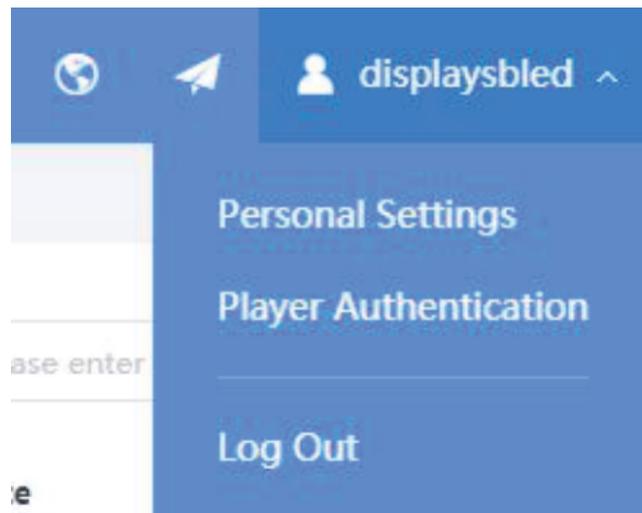
Utilise the web app Vnnox Standard to remotely send content to displays without requiring a direct connection. Simply connect the display to a WIFI network and link it to your user account using ViPlex Express locally. After completing the local setup to connect to the Vnnox server, you can effortlessly manage your displays and send them content from anywhere. To begin, follow these steps to create your user account on Vnnox:

1. Register on the server using the following URL: <https://eu.vnnox.com/cloud/#/register>.
2. Access the "**Register by email**" section and enter the required information.
3. After registration, access the login page and enter the credentials.
4. Upon logging in, you'll see a screen with 3 sections:
 - **VNNOX Standard:** This free app allows publishing content on associated displays with complete features and an intuitive interface.
 - **VNNOX AD:** This app provides the same functions as VNNOX Standard but with a different interface and the option to grant permissions for displays. A 30-day free trial is available, after which licences are required.
 - **iCare:** Free of charge, you can link displays to this app to assign them a location and monitor their current status.

In this case, you will access the Vnnox Standard application.

Vnnox Standard

- When accessing Vnnox Standard, the first step is to access Player Authentication, located in the menu at the top right corner. Here, you will find the information needed to associate a display with our user.



- Return to the ViPlex Express application and access "*Control de Pantalla*" (screen control) → "*Configuración del servidor*" (server configuration). Enter the credentials:

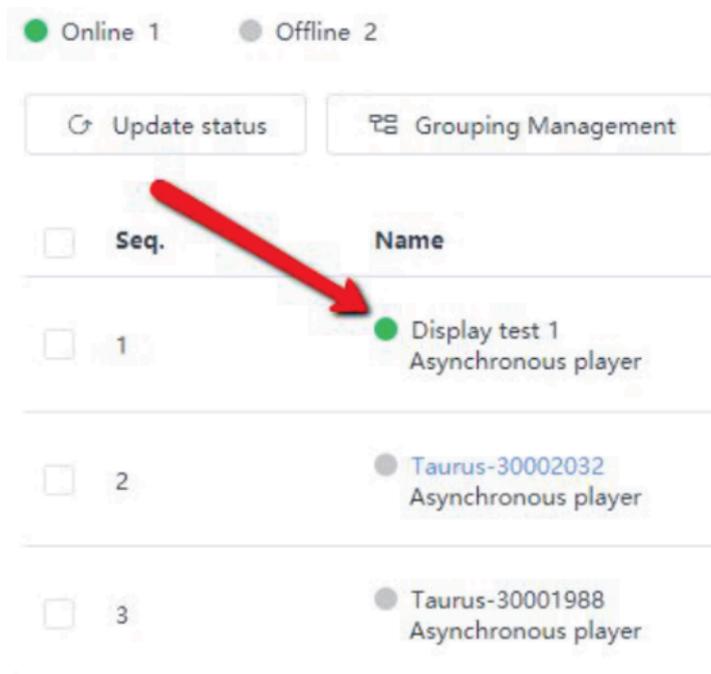


The screenshot shows a dark-themed configuration screen titled "Conectado a VNNOX Standard/AD". Below the title is a subtitle: "Después de vincular el reproductor, si desea desenzalarlo vaya a VNNOX." The form contains the following fields:

- Dirección del Servidor:** A dropdown menu set to "Europa".
- Autenticación de nombre de us...:** A text input field containing "displaysbled".
- Contraseña de autenticación:** A password input field with six dots and a visibility icon.
- Nombre del jugador:** A text input field containing "Display test 1". Below it, a note reads: "El nombre del jugador se mostrará en la lista de...".
- Condición:** A label with the value "No asociado".

An "Enlazar" button is located at the bottom right of the form.

- Once connected successfully, the "Players" section of our user appears among the screens:



Within Vnnox Standard, there is a top menu with various options.



Players

In this section, you can view all the screens associated with our user, along with their current status and the program playing from the server. You can delete them or modify their names.

Solutions

You can create new programs for the screens and send them. Upon access, the created programs will be visible, ready to be published on our screens. By clicking on the "+ New" button, you can create a new program, with an interface similar to the one illustrated for **ViPlex Express**. To use content such as videos or images in the programs, you need to have them uploaded beforehand in "**Content**".

Content

In this section, you can view the content uploaded to the server, as well as preview or delete them. By using the "+ Add media" button, you can upload new content to use later in the programs.

Player Control

There's a control panel similar to the one seen previously on **ViPlex Express**, allowing you to modify various screen configurations:

- **Brightness Control:** You can adjust the screen's brightness or set periods where the brightness will be higher or lower.

- **Volume Control:** You can manage the speaker volume or an audio controller connected to the screens.
- **Video Source Switching:** You can choose to play a program directly from the display or use an external source like HDMI. If the screen configuration is already established, it's advisable not to change it.
- **Player Restart:** You can manually restart the screen or schedule automatic restarts at specific times.
- **Screen Status Control:** You can manually turn off the screen or schedule shutdowns at specific times. Turning off the screen will restart the playing program.
- **Monitor:** You can check the status and capacity of the screens, as well as free up storage space if needed.
- **Time Synchronization:** You have the option to configure the time zone for the screens.
- **Synchronous Playback:** This option allows you to coordinate content playback synchronously.

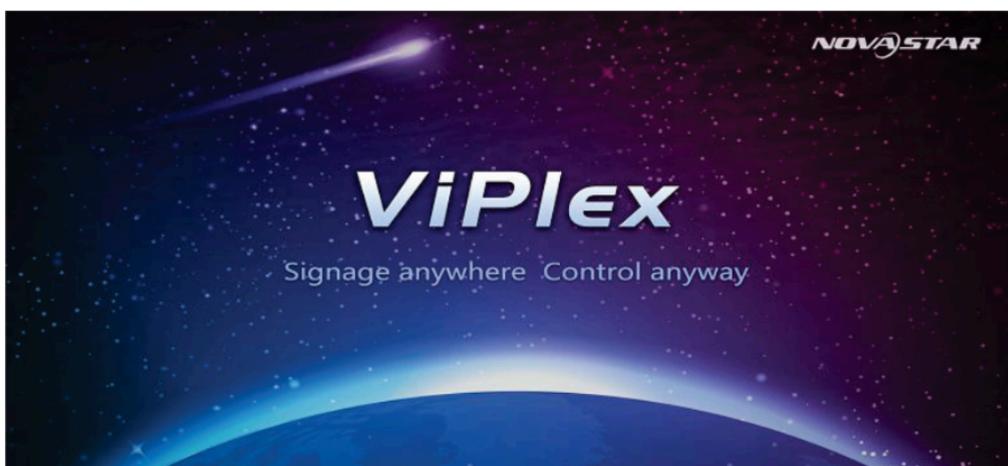
Logs

Allows you to monitor the latest actions taken on the screens through two options:

- **Remote Control Logs:** You can find information about the recent actions taken on the connected screen configuration.
- **Play Logs:** You can view logs of the last loaded programs.

6. Mobile App (ViPlex Handy)

The mobile app ViPlex Handy is available for both Android and iPhone devices, in addition to the desktop application. Currently, you can connect to screens and adjust configurations using the app. However, content uploads are only possible from an iOS device; Android devices don't support this feature.



To properly use the application:

1. Download the app on your mobile device/tablet:

- **iPhone:** <https://apps.apple.com/us/app/viplexhandy/id1241302188>

- **Android:**

https://play.google.com/store/apps/details?id=nova_priv.hand.easypluto.google&hl=es

2. Connect to the network access point created by our display using the password: 12345678.



3. Access the ViPlex Handy app, where you will find all the displays you have connected to, under the "**Pantallas**" (screens) section. Use the same credentials as ViPlex Express to connect to the display.

- **Username:** admin

- **Password:** 123456



In this section, displays can be in three different states:



- Indicates a successful connection to the display.



- Indicates a failed connection to the display.

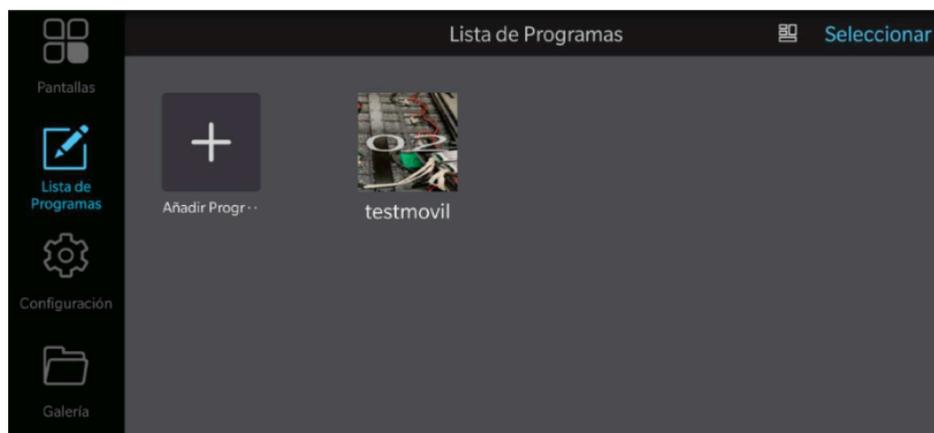


- Indicates that the display is either off or has not yet connected to its access point.

4. If you click on the display you've logged into, you will access the configuration menu. Here, you can modify various parameters just as you would from the desktop app, including resolution, brightness, and control over parameters like temperature, etc.



5. By accessing “**Lista de programas**” (Program List), you can upload existing programs or create new ones to upload them to your display (function currently available only for iOS devices).



6. From **Settings**, you can adjust certain application parameters and access the developer's operational guide, which is available in English.

