REALM

USER MANUAL

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Introduction

AV Realm is a mobile app that allows you to control a wide range of devices over a network, including LED screens, set-top boxes, TVs, and more. It offers a fully customisable remote control experience, enabling you to tailor the app to suit your specific needs and devices.

Download it now from the Google Play Store or the App Store.

Signing Up

When signing up, you will be asked to create a password and an admin password. The admin password is used to gain access to certain parts of the app, such as changing passwords, PINs, and commands.

Subscriptions

The app offers three types of subscriptions:

1. Free Version: You can create a maximum of two commands to send to a certain device. This version is suitable for testing or basic control functions.

2. Small Monthly Subscription: Provides unlimited buttons on one page.

3. Large Monthly Subscription: Allows unlimited buttons and pages.

For long-term usage, contact us to purchase up to 5 years' worth of subscriptions upfront.

By subscribing, you agree to the Terms and Conditions outlined by AV Realm and understand AV Realm's Privacy Policy.

About the App

Projects

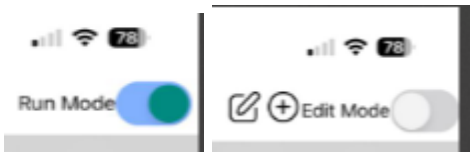
You can set up a project for each venue or location. Projects can be locked using a PIN to restrict access. Each project can include an unlimited number of pages, if your subscription plan allows for it.

Run and Edit Mode

When viewing pages, there are two modes: Run mode and Edit mode. By default, the app is in Run mode, where commands can be sent. To switch to Edit mode, press the switch in the top-right corner. Accessing Edit mode requires the admin password, ensuring that while anyone can use the app, only authorized users can make changes.

Make sure you are connected to the internet when setting up the app, you cannot add any buttons or pages without an internet connection.

Make sure you are on the same network you want to control when running the app.



Pages

A page is what you see when you open a project. It includes all the buttons for commands that you have added. You can swipe to view other pages in your project. This option can be disabled in the settings.

Changing Page Backgrounds

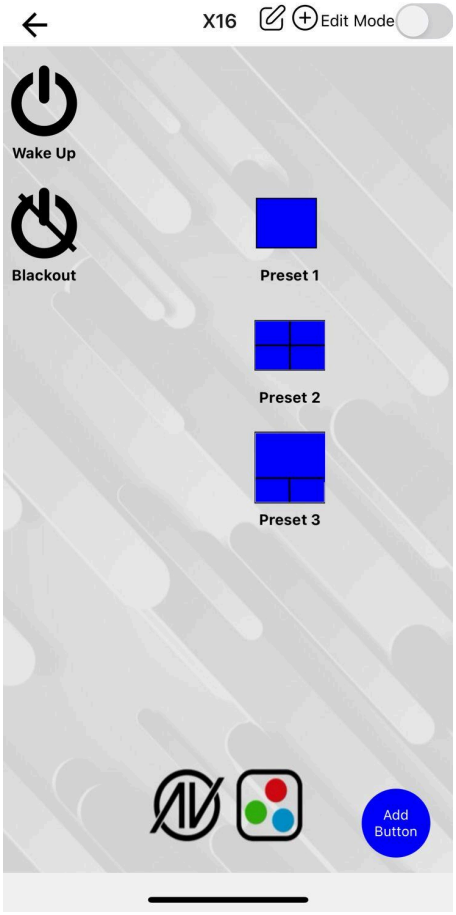
To change a page’s background, toggle the Edit Mode function and select the Page Edit button. Upload a new background image, ensuring it matches your device's screen resolution. Using an image with the correct resolution is essential to prevent distortion or cropping and to maintain a polished appearance.

For best results, create or select an image specifically designed for your device's screen resolution before uploading it. This step ensures a professional look and prevents any visual inconsistencies. Additionally, ensure that all pages consistently use either a portrait or landscape orientation to maintain a cohesive design.

If you prefer, you can also choose plain backgrounds directly from the app, offering a simple and clean alternative for your page design.

Buttons

Buttons represent a command or list of commands that can be sent from the app to the target device. To send a command, simply press the button in Run mode. Add a button using the “New Button” in the bottom right corner. Please note that you will need to be in edit mode to create or edit buttons, which will also require the admin password.



Adding Buttons

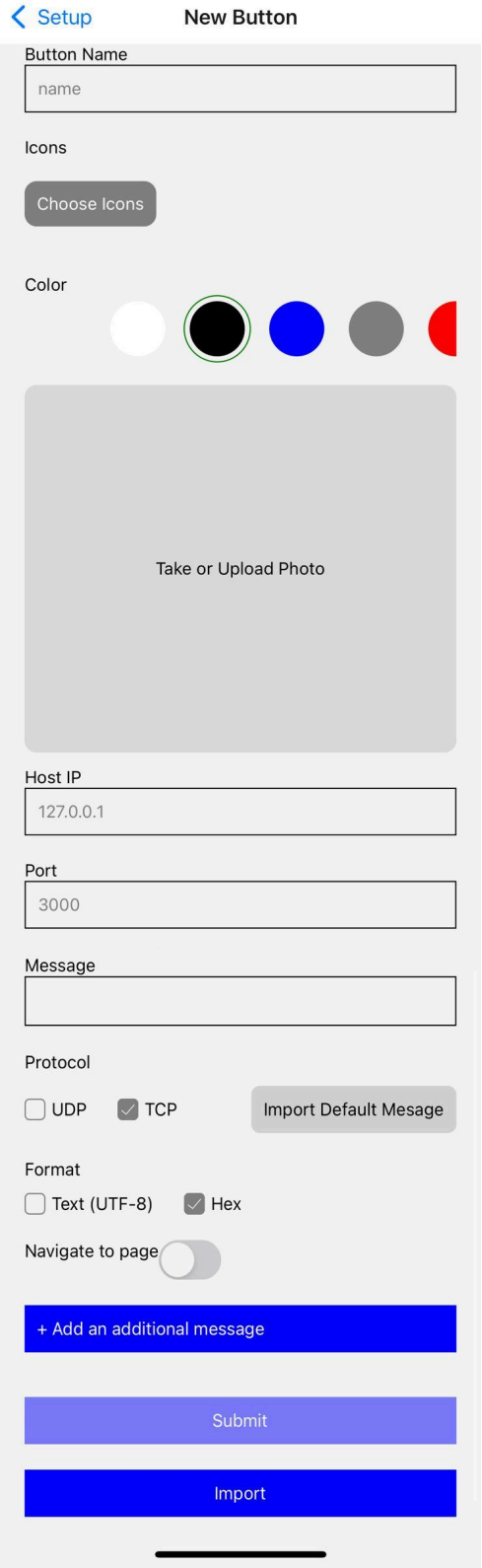
In Edit mode, you will see an 'Add Button' option in the bottom right corner. This allows you to create new buttons that send commands.

Setting Up Buttons

When creating a button, you can choose an icon to represent it. You can either select a preset icon or use an image from your gallery. (Required)

Next, name the button, which will appear under the icon. (Optional)

Enter the IP address, port, and command for the target device, you can find the port and commands information in the device’s user manual of commands instructions, depending on the model and manufacturer. The IP address can usually be found on the screen of the device. If not, refer to your IT administrator to detect it. Choose the appropriate protocol (TCP/UDP) and message type (Text/HEX) (All Required).



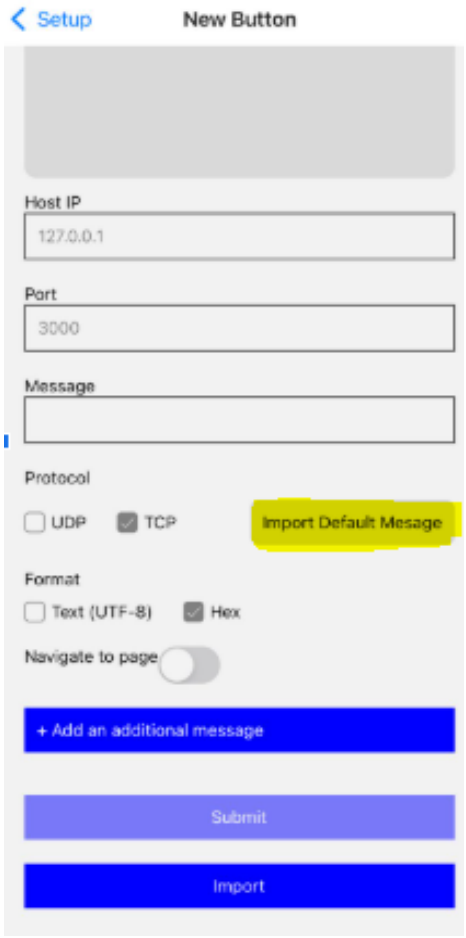
You can also choose to add a carriage return at the end of the message. A carriage return signals the end of the command / line. Some devices require it to be sent with the message and some not.

You can also add multiple commands to a button using the Add an additional message button. There is no limit to the number of commands, you can add them by pressing the add new message button. Moreover, you can choose the delay between each command. Make sure to give at least a couple tenths of delay to make sure the command is sent and received.

Additionally, buttons can be set to navigate to other pages, helping to streamline navigation without the need for swiping between pages.

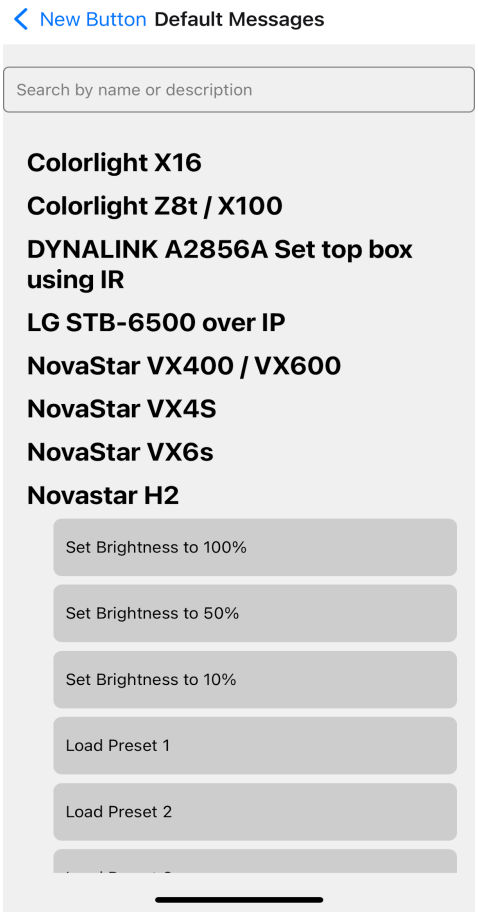
Editing Buttons

To edit a button, press it while in edit mode. This will open the button configuration page.



Default Buttons

The Default Buttons feature simplifies the setup process by providing a database of commonly used devices and their commands. Selecting a default button automatically fills the port, message, UDP/TCP, and text/hex fields, leaving you to simply choose an icon and enter the IP address.



To use this feature, search for the desired command or device using the search bar. Once you locate the device, click on it to expand the list of available commands. Select the command you need, and the necessary fields will be populated automatically. This approach saves time and ensures accurate configuration for your device commands.

Importing Buttons / Pages / Projects

Instead of building your own pages, buttons or even projects, you can import them as templates from people that have publicly exported their own user template. A verified logo is added to the buttons / pages next to the ones that have been checked and verified to be working.

Note: In case of importing or using default messages, you will still need to make sure to set the IP address to the ones you need as they may differ from one set up to another.

Button Customisation Tips

In AV Realm, button customisation enhances usability by allowing you to create a clear and organized control interface tailored to specific needs.

A label is optional but useful for clarifying a button’s function. For instance, a label like "Brightness 50%" indicates that pressing the button will adjust the brightness level to 50%. It’s essential to keep labels concise, within 2-4 words, to prevent the text from overlapping with other buttons on the interface.

Alternatively, an icon can be used to represent the button’s function visually, which can be especially helpful in keeping the layout clean and readable. For example, an icon that reads "50%" conveys the purpose of adjusting brightness, making it immediately recognizable to users.

Buttons are arranged in a 5x8 grid, ensuring a clean appearance and helping users quickly locate functions.

To facilitate easier navigation between pages, consider using the “Navigate to Page” function. This feature is especially useful when managing multiple settings for a single device. For instance, if you have a button that switches an LED screen to a specific preset, you can configure it to lead directly to a page that controls the screen’s HDMI channels. Including a back button on pages is also recommended, enabling users to easily return to the previous screen without additional swiping.

When creating a button intended solely for navigation between pages, assign an existing IP address and port, and type anything in the message. This prevents potential errors when running the app by ensuring that the button registers correctly even without any additional functionality.

Settings

Change password and admin password: You will require to enter your admin password before being able to change any passwords. If you forgot your admin password, contact us to reset it.

Page swiping: When off, you cannot swipe between pages on run mode, this is useful in case you only want pressing buttons to allow in page changes to reduce confusion. This option is on by default.

Privacy Policy

Click here to view our Privacy Policy.

For questions regarding this user manual please contact sales@eventec.com.au.