Control Application

VDirector

User Guide

AV Access

Table of Contents

1. Overview 2

1.1 Before You Start 2

2. Getting Started 2

3. Operation 3

3.1 Matrix 3

3.2 Video Wall 4

4. System Configuration 5

4.1 Device Settings 5

4.1.1 TX Settings 5

4.1.2 RX Settings 6

4.2 Video Wall Settings 6

4.3 Advanced Settings 6

4.3.1 Change Password 6

4.3.2 Configuration & Commands 6

4.3.3 OSD Settings 7

4.3.4 Third Party Controller Settings 7

4.3.5 RX Group Settings 8

4.3.6 Reset Software Settings 8

4.4 System Information 8

1. Overview

VDirector is a visualized AV system control application that provides a user-friendly interface for managing and configuring the IP-based distributed systems via a tablet device. It supports both iOS and Android platforms.

The application enables intuitive source routing and system control through a drag-and-drop interface, allowing users to assign video sources to single displays or video walls.

For clarity, TX and RX devices are referred to as encoders and decoders, respectively, throughout this document.

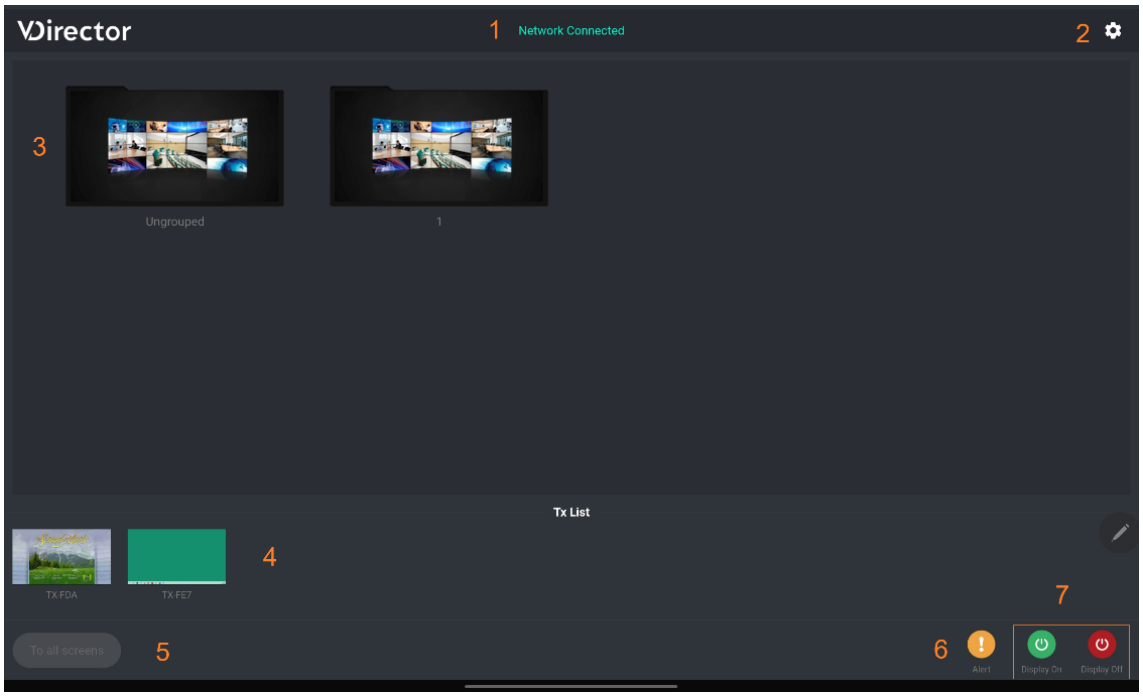
1.1 Before You Start

Before using VDirector, ensure the following requirements are met:

- ✓ The Ethernet switch and wireless network router (or access point) are properly configured
- ✓ A tablet device (iPad or Android) running VDirector (V 2.1.1 or later)
- ✓ The encoders, decoders, and tablet device are connected to the same network segment

2. Getting Started

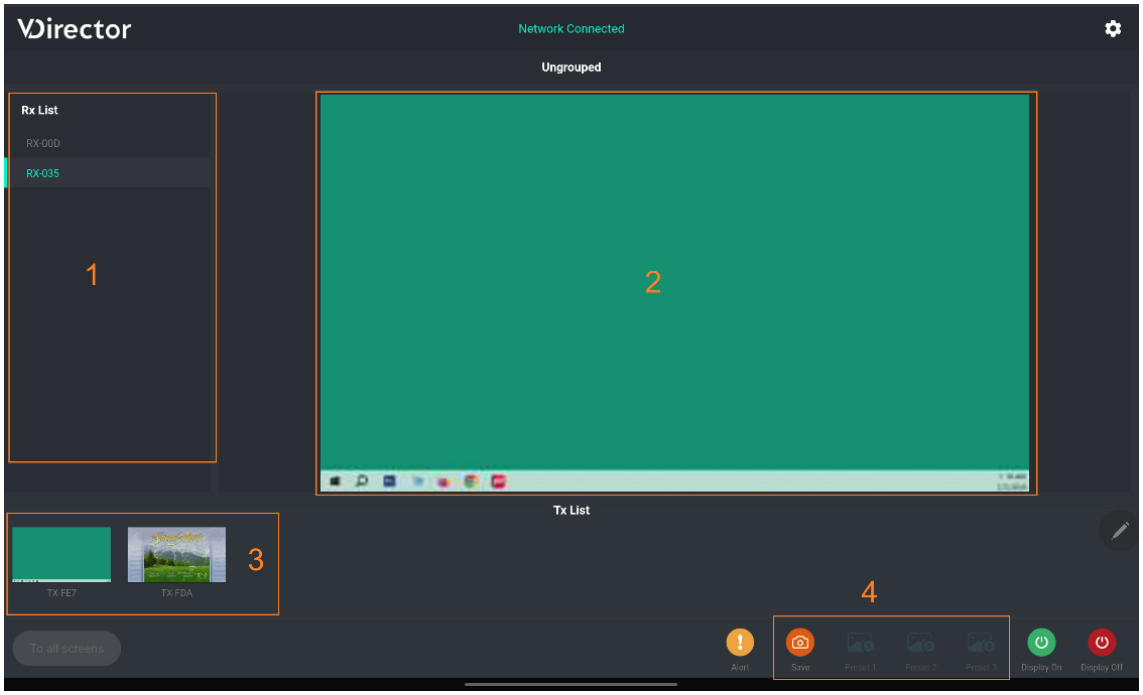
1. Launch VDirector on the tablet. The app automatically searches for available devices and loads their information.
2. The main screen appears.



#	UI Element	Description
1	Connection Status	Indicates the connection status of VDirector (Network Connected / Network Disconnected).
2	System settings icon	Tap to access the Settings interface.
3	Group list	Shows all decoder (RX) groups. Ungrouped decoders are placed in the "ungrouped" group by default.
4	TX list	Shows encoders (TXs) as live preview thumbnails.
5	To All Screen	Drag an encoder (source) from the TX List onto this button to route it to all decoders across all groups, including single screens and video walls.
6	Alert Notification	Displays system notifications, including firmware updates and version requirements. Tap to view details.
7	Display On / Display Off	• **Display On**: Tap to bring all displays in all groups out of standby mode. • **Display Off**: Tap to place all displays in all groups into standby mode.

3. Operation

3.1 Matrix

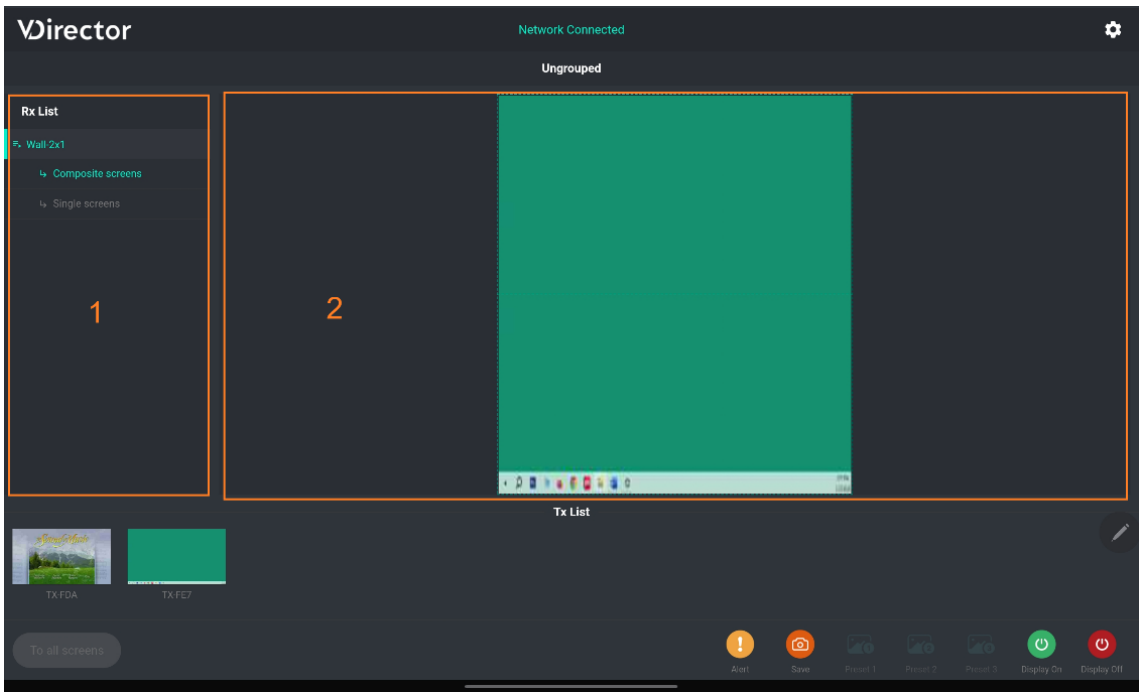


Tap a decoder group to enter the matrix scene.

In the matrix scene, each encoder can be routed to one or more decoders.

#	UI Element	Description
1	RX List	Shows decoders in the group. Tap a decoder to view the current routing assignment in the Decoder Zone.
2	Decoder Zone	Displays current routing assignment of the selected decoder. • A routed decoder shows the live source preview. • Unrouted decoders display "No Source". • To route a source, drag the encoder from the TX List to this zone. • To remove a source, drag the encoder out of this zone.
3	TX list	Shows encoders as live preview thumbnails.
4	Preset Zone	• **Save**: Tap to save the current routing settings to Preset 1, Preset 2, or Preset 3. • **Presets 1–3**: Tap to recall the selected preset.

3.2 Video Wall



A video wall consists of multiple displays and supports two layout types: single screens or composite screens.

#	UI Element	Description
1	RX List	Displays single decoders and video walls within the group. Tap a decoder or a video wall to view it current routing in the Decoder Zone.
1	Decoder Zone	Displays the current routing assignment of the selected decoder or video wall. • Routed items show a live source preview. • Unrouted items display "No Source". • To route a source, drag the encoder from the TX List into this zone. • To remove a source, drag the encoder out of this zone.

Creating a new video wall

1. Click the Setting icon on the upper-right corner of the main screen to access the Settings interface.
2. Go to **Video wall settings** > **Create new video wall**.
3. Configure the wall dimensions:
   - **Row**: Select a number (range: 1–16) in the prompted box (e.g., 2)
   - **Column**: Select a number (range: 1–16) in the prompted box (e.g., 1).

   Tap **Next** to proceed.
4. Configure the video wall properties:

   Video wall type:

   - **Standard**: A grid-based video wall in which all displays have the same size and orientation, with the content spanning across the entire wall.
   - **2 x M TV wall with 180° rotation for the first row (M ≥ 1)**:

     A wall with the displays on the first row rotating for 180°. This mode requires at least two rows.

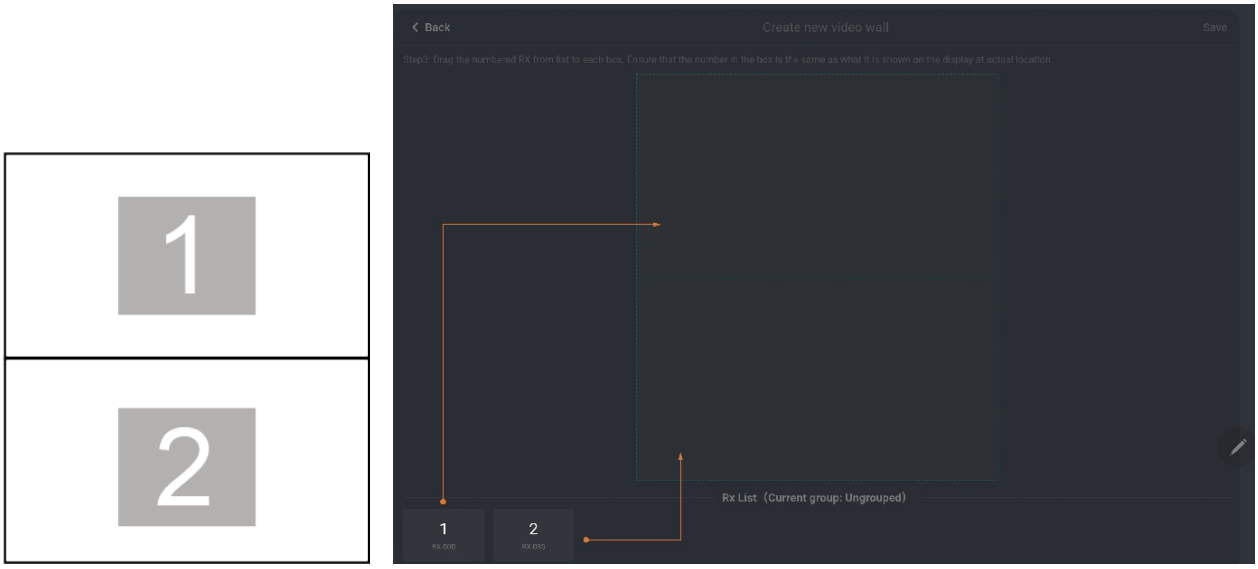
   Layout out type (multiple selections supported):

   - **Composite screens**: Combined display layout.
   - **Single screens**: Independent display layout.

   Tap **Next** to proceed.
5. Assign decoders to the wall layout.

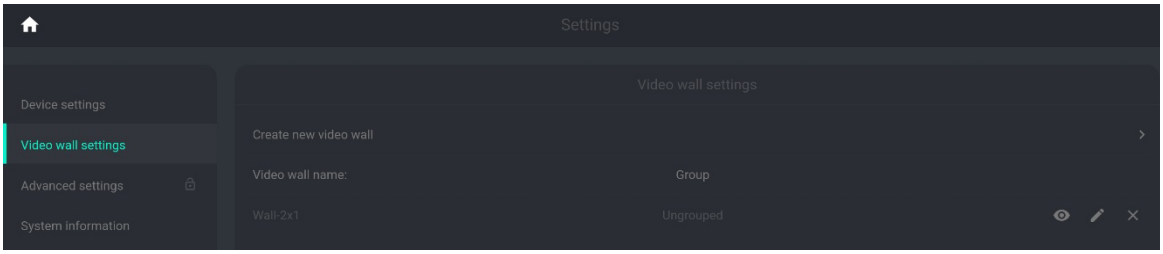
   Drag the numbered decoders from the RX List to the logical layout grid on VDirector.

   Ensure that each decoder position on VDirector matches the numeric identifiers displayed on the physical screens.



Physical layout vs. Logical layout on VDirector

6. Tap **Save** to apply the configuration. The new video wall will appear in the **Video wall settings** interface.



Video Wall Management

- Eye icon: Show or hide the video wall in the group.
- Edit icon: Rename the video wall.
- Delete icon: Delete the video wall.

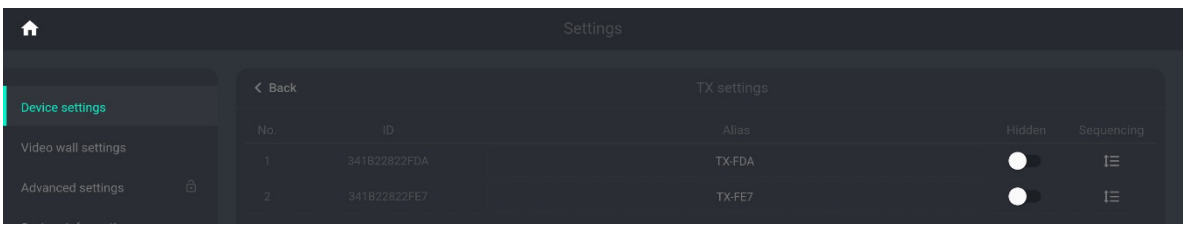
4. System Configuration

Tap the Settings icon in the upper-right corner of the main screen to access the Settings interface. The interface includes the following tabs: Device settings, Video wall settings, Advanced settings, and System information.

4.1 Device Settings

The Device settings tab provides configuration options for encoders and decoders: TX settings and RX settings.

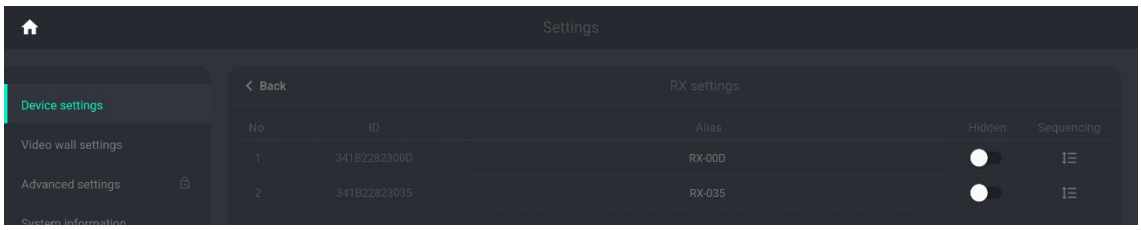
4.1.1 TX Settings



This interface displays device information (MAC address and alias) and provides options to configure the alias, displayed order, and visibility of encoders in the TX List.

- Alias: Tap an encoder to edit its alias.
  Note: Changes take effect after returning to the previous screen or the main interface.
- Hidden: Tap to show or hide the selected encoder in the TX List.
- Sequencing: Drag the icon to the desired position to adjust the displayed order of the encoder.

4.1.2 RX Settings



This interface displays device information (MAC address and alias) and provides options to configure the alias, displayed order and visibility of decoders in the RX List.

- Alias: Tap a decoder to edit its alias.
  Note: Changes take effect after returning to the previous screen or the main interface.
- Hidden: Tap to show or hide the selected decoder in the RX List.
- Sequencing: Drag the icon to the desired position to adjust the displayed order of the decoder.

4.2 Video Wall Settings

For details about video wall configuration, refer to **3.2 Video Wall**.

4.3 Advanced Settings

This tab provides access to the following features: Change password, Configuration & Commands, OSD settings, Third party controller settings, RX Group settings, and Reset software settings.

4.3.1 Change Password

This interface provides options to change the password required to access the **Advanced Settings** tab. Enter the current password (default: not set), then enter and confirm the new password, then tap **OK** to apply the changes.

4.3.2 Configuration & Commands

This interface provides setting options for:

- Display control commands (CEC, RS-232, and IR)
- HDCP settings for encoders
- Display behavior when video signal is lost
- System maintenance operations (device reboot and reset)

1. **Set display power on/off instruction**
   Configure commands to control the power state of connected displays via CEC, RS-232 or IR.
   Tap the corresponding option to access the interface, enter the required commands for the selected decoders (individually or in batch), and then tap **Apply**. For command details, refer to the user guide of the display device.
   - **Customize CEC on/off instruction**
   - **Customize RS232 on/off instruction**

- **Customize IR on/off instruction**

2. **Set display volume up/down instruction**

   Configure commands to control display volume (up/down) via CEC, RS-232 or IR.

   Tap the corresponding option to access the interface, enter the required commands for the selected decoders (individually or in batch), and then tap **Apply**. For command details, refer to the user guide of the display device.

   - **Customize CEC volume up/down instruction**
   - **Customize RS232 volume up/down instruction**
   - **Customize IR volume up/down instruction**

3. **RS232 settings**

   Configure RS232 communication parameters for the selected encoders or decoders (individually or in batch), including baud rate, data bits, stop bits, and parity.

   - Hex mode: Enable or disable hexadecimal input for RS232 commands.

   Tap **Apply** to apply changes.

4. **Set HDCP announcement for TX**

   Tap to enable or disable HDCP announcement for the encoders (individually or in batch), and then tap **Apply**.

5. **Turn off the display on video loss**

   Tap **Select to Enabled** for the selected decoders (individually or in batch), and then tap **Apply**.

   When enabled, the selected decoders will automatically send a power off command to the displays when no active signal is detected.

6. **Reboot device**

   Select devices (encoders or decoders) individually or in batch from the Device List on the left, and tap **Apply** to reboot the devices.

7. **Set device to factory default**

   Select devices (encoders or decoders) individually or in batch from the Device List on the left, and tap **Apply** to reset the devices to factory default settings.

4.3.3 OSD Settings

This interface provides options to configure the on-screen display (OSD) used for decoder identification.

The OSD appears as a numeric identifier overlaid on the display.

- **Show OSD icon on the bottom bar**: When enabled, an OSD identifier will be output to the connected displays of the selected decoders, allowing users to quickly identify and locate each decoder.
- **When clicked function for**: Select the target decoders to which the OSD feature will be applied: **All RXs** or **Active RX only**.

4.3.4 Third Party Controller Settings

This interface provides options to add a shortcut to an external application on the main screen.

- Show switch icon in the home page: Enable or disable the display of the external application icon.

- Icon name: Set the display name of the shortcut.
- URL: Set the target URL of the external application.

Tap **Apply** to save and apply the changes.

4.3.5 RX Group Settings

This interface displays the decoder group list and provides options to manage the group information, including group name, icon, displayed order, and visibility.

- Edit: Tap a group to rename it.
- Hidden: Show or hide the selected group in the group List.
- Delete: Delete the selected group.
- Sequencing: Drag the icon to adjust the display order of groups.
- Add a group: Tap to create a new group.

4.3.6 Reset Software Settings

This option is used to reset all settings on VDirector to factory defaults.

4.4 System Information

This tab provides the following details:

- **TX information**
  Displays encoder details, including device MAC address, alias, firmware version, IP address, and RS-232 parameters.
- **RX information**
  Displays decoder details, including device MAC address, alias, firmware version, IP address, and RS-232 parameters.
- **System logs**
  Displays system logs and provides the copy option.
- **Version**
  Displays VDirector version



AV Access
Simplify your life