P10 Seamless Switcher
Quick Start Guide

PIXELHUE

Buttons and Connectors
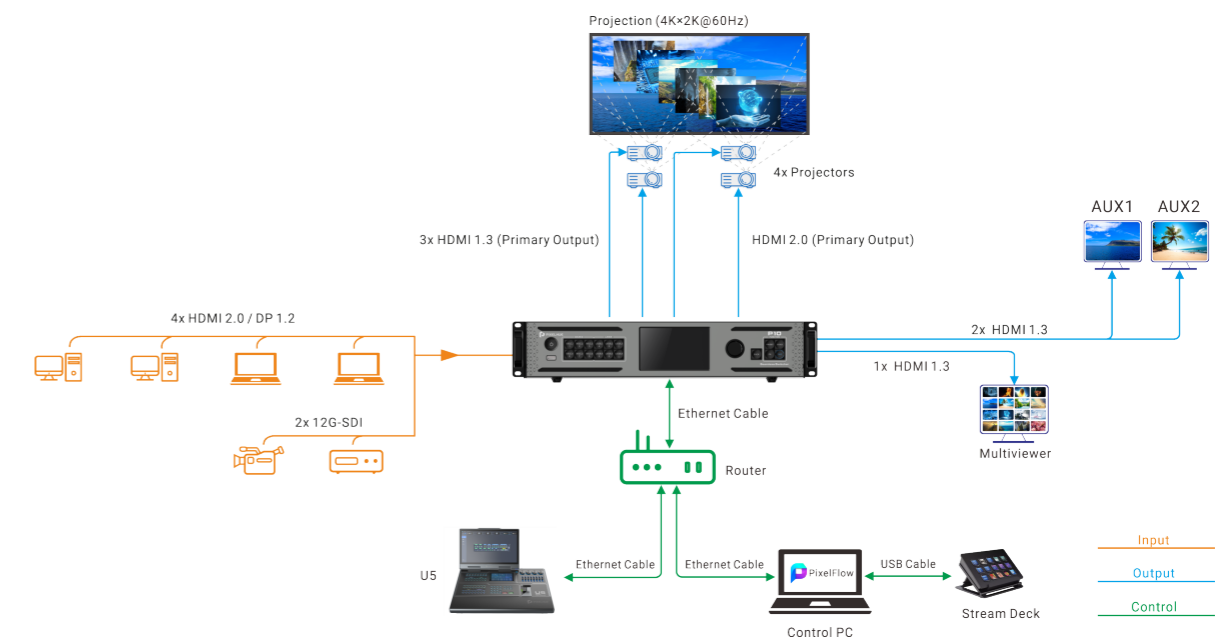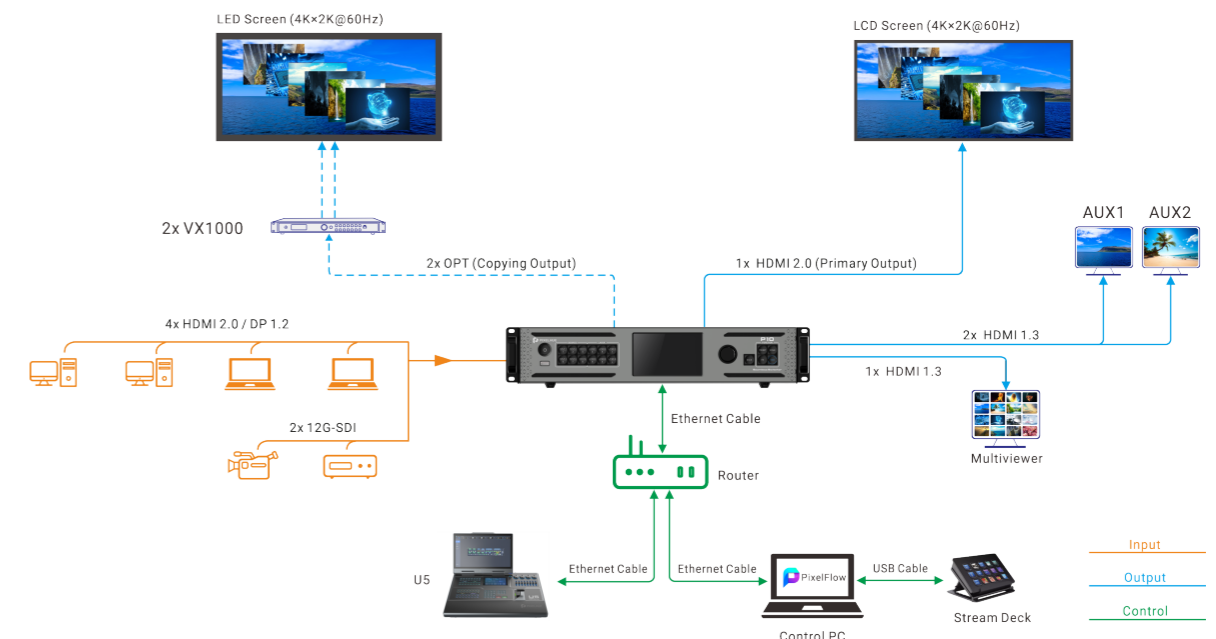
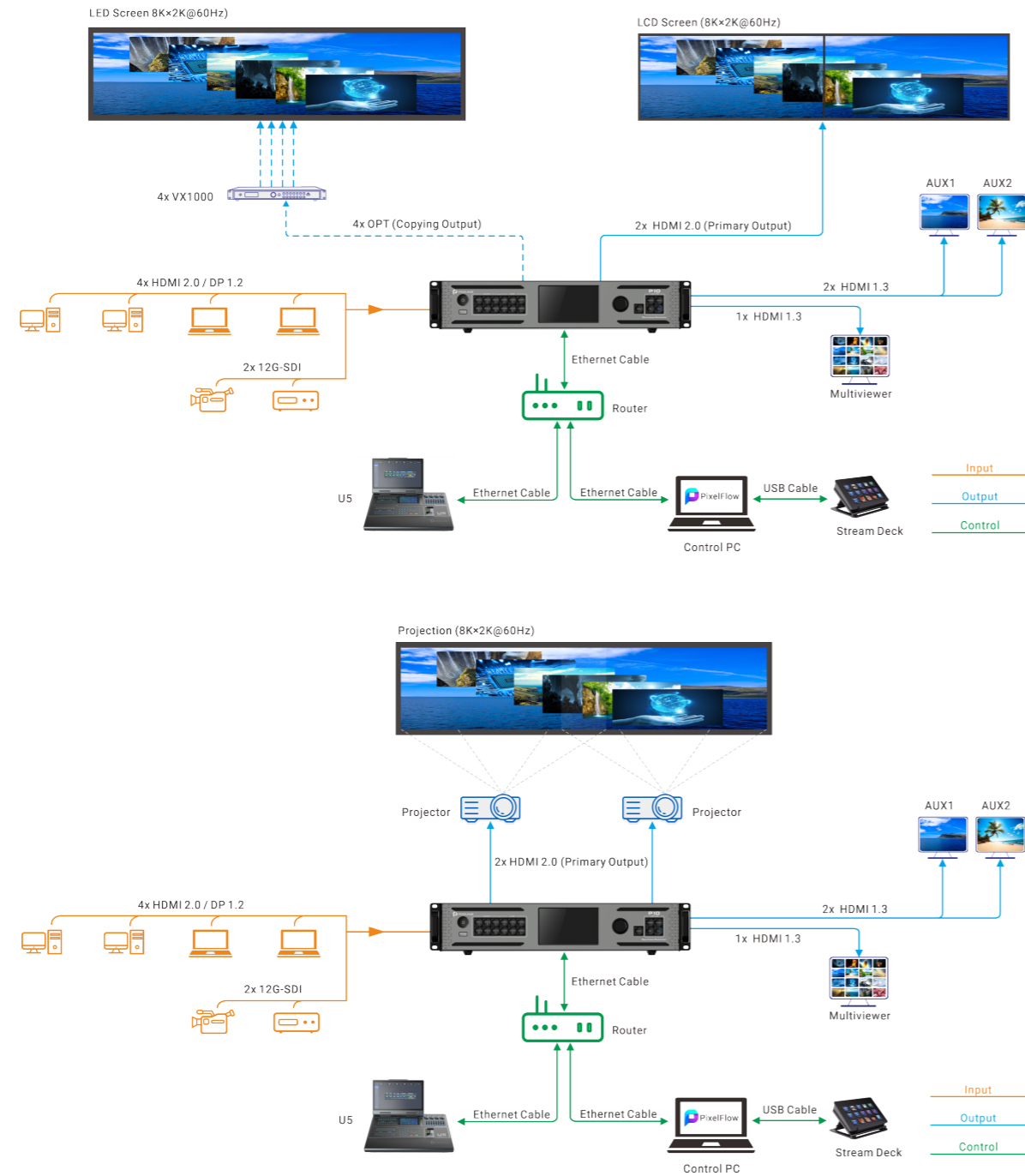### Front Panel
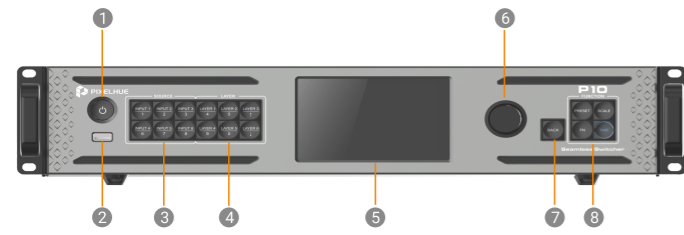
Rear Panel

No.	Name	Description
1	Power Button	Turn on/off the device. To turn off the device, press the button and select **OK** in the confirmation dialog box displayed on the front panel LCD.
2	USB 2.0	A USB 2.0 (Type A) port used to update the firmware, import and export project files, EDID files, BKG files, LOGO files and logs.
3	Source Buttons	Press a button to access the input settings menu or select the source. These buttons can also be used to enter numbers.
4	Layer Buttons	Press a button to open the layer and access the programming menu. Press and hold the button to close the layer. These buttons can also be used to enter numbers.
5	LCD Screen	A 5-inch graphical LCD screen for displaying all the menus, submenus and messages.
6	Knob	• Rotate the knob to scroll up or down through the menus. Press the knob to select menu items. • Press and hold the knob and **BACK** button simultaneously for 3s or longer to lock or unlock the front panel buttons.
7	BACK	Return to the previous menu or cancel the current operation.
8	Function Buttons	• PRESET: Press the button to access the preset settings menu. • SCALE: Press the button to enable full screen scaling for the layer at the back of the Z-order. • FN: A custom shortcut button • TAKE: Press the button to switch content from the PVW screen to PGM screen with a specified transition effect.
9	INPUT 1 to 4	Each includes 1x DP 1.2/HDMI 2.0. When two connectors have signals, only one can be used as the input source at the same time.
10	INPUT 5 to 6	Each includes 1x 12G-SDI IN & LOOP.
11	OPT	4x Optical fiber ports for copying HDMI outputs.
12	AUDIO	3.5 mm audio jacks including 2x line in and 2x line out (The audio function will be implemented in future updates.)
13	OUTPUT	Video output connectors 4K: • In switcher mode, connector 1 works as primary and connector 5 copies connector 1. • In PGM only mode, connectors 1 and 5 work as primary and have the same resolution. SL: • In switcher mode, connectors 1, 2, 3 and 4 work as primary and connectors 5, 6, 7 and 8 copy connectors 1, 2, 3 and 4, respectively. Connectors 1, 2, 3 and 4 have the same resolution. • In PGM only mode, eight connectors work as primary. All the connectors have the same resolution.
14	MVR	Connect to the Multiviewer screen. The output resolution is fixed at 1920×1080@60Hz.
15	AUX	Connect to auxiliary devices such as teleprompters. The default resolution is 1920×1080@60Hz.
16	ETHERNET	Gigabit Ethernet ports for control and input view
17	GENLOCK	Genlock signal input and loop output
18	Power	AC power connector and rocker switch

Applications

Switcher Mode: When the output capacity is 4K, one HDMI 2.0 connector works as primary and the other works as backup. When the output capacity is SL, four output connectors work as primary and the other four work as backup. SL output capacity is used as an example for illustration of projection. The P10 can work with the U5 or U5 Pro event controller. The following uses the U5 as an example.

LED Screen (4K×2K@60Hz)
LCD Screen (4K×2K@60Hz)
2x VX1000
AUX1 AUX2
2x OPT (Copying Output)
1x HDMI 2.0 (Primary Output)
4x HDMI 2.0 / DP 1.2
2x HDMI 1.3
1x HDMI 1.3
2x 12G-SDI
Ethernet Cable
Multiviewer
Router
Ethernet Cable
U5
Ethernet Cable
Ethernet Cable
USB Cable
Control PC
Stream Deck
Input / Output / Control

Projection (4K×2K@60Hz)
4x Projectors
3x HDMI 1.3 (Primary Output)
HDMI 2.0 (Primary Output)
AUX1 AUX2
4x HDMI 2.0 / DP 1.2
2x HDMI 1.3
1x HDMI 1.3
2x 12G-SDI
Ethernet Cable
Multiviewer
Router
U5
Ethernet Cable
Ethernet Cable
USB Cable
Control PC
Stream Deck
Input / Output / Control

PGM Only Mode: When the output capacity is 4K, two HDMI 2.0 connectors are used for 4K output. When the output capacity is SL, eight connectors are used for 2K output. 4K output capacity is used as an example for illustration of projection. The P10 can work with the U5 or U5 Pro event controller. The U5 is used as an example.

LED Screen 8K×2K@60Hz)

LCD Screen (8K×2K@60Hz)

AUX1 AUX2

4x VX1000

4x OPT (Copying Output)   2x HDMI 2.0 (Primary Output)

4x HDMI 2.0 / DP 1.2   2x HDMI 1.3

1x HDMI 1.3

2x 12G-SDI

Multiviewer

Ethernet Cable

Router

Input

Output

Control

U5   Ethernet Cable   Ethernet Cable   USB Cable

Control PC   Stream Deck

Projection (8K×2K@60Hz)

Projector   Projector   AUX1 AUX2

2x HDMI 2.0 (Primary Output)

4x HDMI 2.0 / DP 1.2   2x HDMI 1.3

1x HDMI 1.3

2x 12G-SDI

Multiviewer

Ethernet Cable

Router

Input

Output

Control

U5   Ethernet Cable   Ethernet Cable   USB Cable

Control PC   Stream Deck

* All the product pictures shown in this guide are for illustration purposes only. Actual product may vary.

P10+U5+PixelFlow

Change Working Mode

The P10 can work in switcher mode or PGM only mode. Users can switch between the two modes as required.

❶ Select **Device** on the left of PixelFlow homepage.
❷ On the right of the page that appears, set **Working Mode** to **Switcher** or **PGM Only**.

Working Mode   Switcher ∨
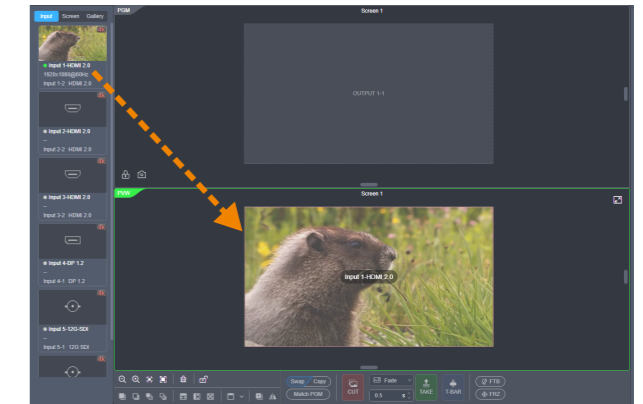   Switcher
          PGM Only ✓
∨ Time
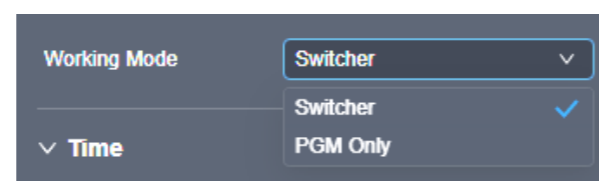
Configure Screens

Users can add screens and add desired output connectors to the screens.

❶ Select **Screen** on the left of PixelFlow homepage.
❷ Tap ⊞ to add a screen. Tap a screen name to select the screen.
❸ Drag an output to the canvas to complete screen configuration. To change the output, drag another output to the target area.
❹ On the right of the page, set screen properties as required.
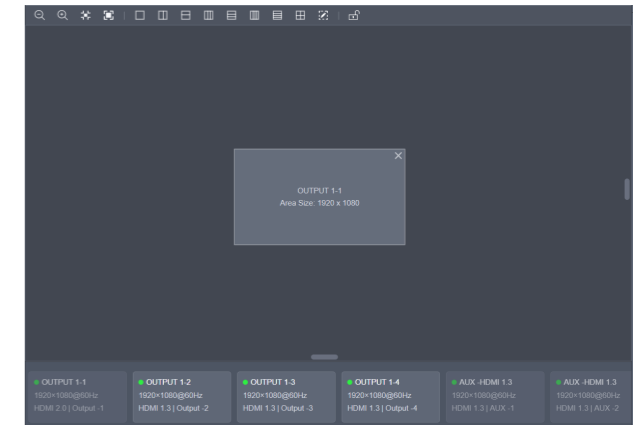
Add Layers

❶ Select **Programming** on the left of PixelFlow homepage.
❷ Tap a screen name to select the screen, or select **Multiple select** and tap to select multiple screens.
❸ Add layers to the screen.
  • Common screen: Drag an input source to the screen to add a layer.
  • AUX screen: Drag an input source or PGM to the screen to add a layer.

Switch from PVW to PGM

Swap | Copy   CUT   Fade ∨   TAKE   T-BAR   FTB
Match PGM   0.5   s   FRZ
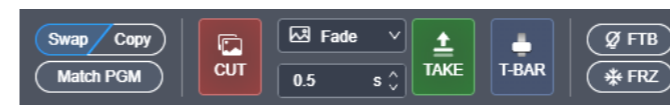
• Swap: Swap the contents on the PVW screen and PGM screen.
• Copy: Copy the content on the PVW screen to the PGM screen.
• Cut: Switch the content on the PVW screen to the PGM screen with no transition effect.
• Take: Switch the content on the PVW screen to the PGM screen with a specified transition effect. Users can specify the transition duration.
• T-Bar: Switch the content on the PVW screen to the PGM screen with a specified transition effect. Users can control the transition duration by dragging the virtual T-Bar.

Set Multiviewer

The P10 supports live monitoring of all the input sources, PVW and PGM.

❶ Select **Multiviewer** on the left of PixelFlow homepage.
❷ Select a Multiviewer template from the bottom of the page.
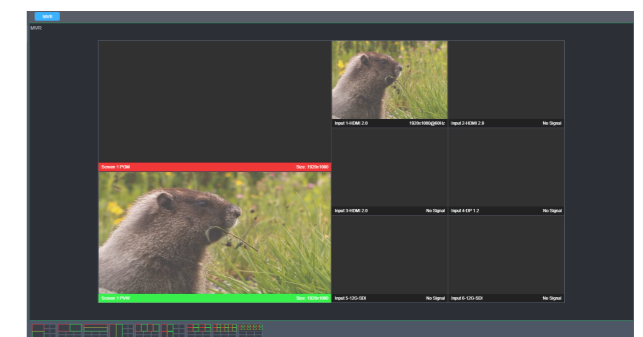
Switch Between Presets

Up to 128 presets can be saved by the P10. A preset includes screen and layer information. Presets can be quickly loaded.

❶ Select **Programming** on the left of PixelFlow homepage.
❷ On the right of the page, tap a preset to load it.
  • Switcher mode: The preset is loaded to the PVW screen. Go to step 3.
  • PGM only mode: The preset is loaded to the PGM screen and no further action is required.
❸ Tap **Cut** or **Take**, or tap **T-Bar** and drag the virtual T-Bar to switch content from the PVW screen to PGM screen.

* All the software pictures given in this guide are used for illustration purposes only. The actual user interface may vary slightly due to product enhancement. The content of the pictures can be slightly different from reality, such as the form and position of software windows, input source images and more.