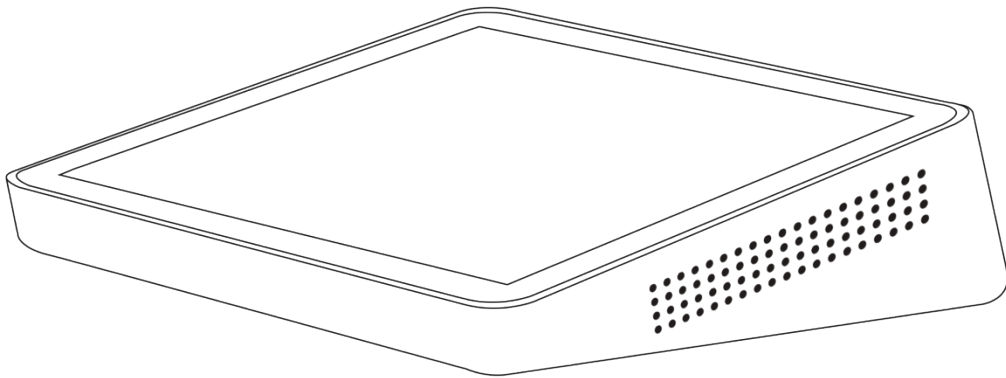


YeaStream Deck

User Manual



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8. Product Parameters

1. Safety Tips

For your safety, please read these tips carefully before using this product. Misuse can lead to serious injury or damage.

Video Mixer

- Avoid scratching or hitting the device with hard objects.
- This device and its accessories may be upgraded without prior notice

Location

- Avoid using the device in poorly ventilated, dusty, or humid areas, or where it may come into contact with oil or water vapor, as this could cause a fire.
- Keep the device away from water or other liquids to prevent fire or electric shock. Do not place liquid-filled objects (like vases) near it.
- Protect the device from strong shocks or vibrations to avoid damage.
- Do not use the device in direct sunlight, near heating sources, or in areas with high temperatures, as this could cause overheating and fire.

Power Cord

- Avoid damaging the power cord. Do not place heavy objects on it, stretch it, or bend it excessively. Also, do not use an extension cord. A damaged power cord can cause fire or electric shock.
- Plug the power cord directly into an AC power outlet. Using an extension power strip can cause overheating and fire.
- Ensure this equipment is connected to a mains power outlet with a protective earth connection.

2. Packaging and Installation

Packaging:

Open the YeaStream Deck video mixer box and verify the accessories against the list provided.

If any accessories are missing, please contact your dealer promptly.

Item	Quantity
Video Mixer	1
12V12A Power Adapter	1
Welcome Card	1
Type-C Cable	1
Portable Bag	1

Installation:

1. Preparing for Installation

Before installing the device, please follow these steps:

- Check the device for any visible damage that may have occurred during shipping.
 - Ensure you have received all items listed on the accessory sheet.
 - If the device has antistatic packaging, remove it along with any other packaging materials.
2. Install the device in the desired location, ensuring good ventilation.
 3. Connect the standard signal cable to the appropriate input port.
 4. Supply 12VDC power from the YeaStream Deck video mixer.
 5. Connect the power supply to the device's power signal interface.
 6. Secure the power protection accessories.
 7. Once the power signal is connected, the device will be operational.

3. Device Features

The YeaStream Deck video mixer can combine multiple video and audio sources into a single live signal (PGM, program) output based on user needs during live streaming, and stream it to the target site. It can also be used in post-production to select one or more combined outputs from different video sources and add artistic effects.

The YeaStream Deck video mixer features 4 HDMI inputs, accommodating signal sources such as cameras (DSLR, Camcorder, PTZ etc) and computers (PPT, Word, PDF etc).

The video mixer connects to a computer via USB and is recognized as a USB webcam signal source (UVC protocol). It can be used for live streaming through software like OBS, Zoom, Skype, Microsoft Teams, etc. The combined video can be output in standard video format for display or recording backup files, and it can also be recorded locally.

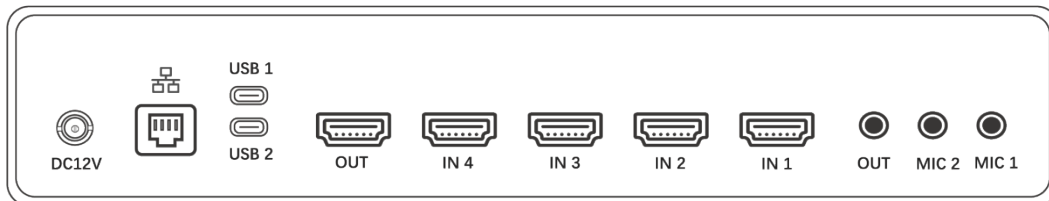
The video mixer can show multiple input signal sources simultaneously. You can choose to monitor a specific output separately or monitor audio and video in multiview locally. Headphones can monitor the synthesized audio output in real time. The video mixer has a 10.1-inch large screen, allowing all operations to be performed independently without an external computer. This integrated solution is convenient for mobile and quick live streaming setups.

The YeaStream Deck video mixer is used in broadcasting, live streaming, production, satellite broadcasting, and other audio and video streaming environments and applications, such as TV stations and commercial activities. The device is highly convenient and offers rich live production functions.

4. Features

- Responsive 10.1" touchscreen without relying on external monitor
- Connect up to 4 cameras or computers with instant switch
- Live streaming via Ethernet to multiple platforms
- Records in H.264, dual type C as universal webcam and more
- Professional digital video effects
- Picture-in-picture
- Built-in Audio Mixer, Support 6-channel Audio Processing
- HDMI output for program monitoring

5. Device Ports














DC12V	12V12A DC Connector (The power adapter features a self-locking ring that can be securely screwed onto the female connector to prevent it from disconnecting.)
Lan port	Once the network cable is connected and the key is configured, the video mixer can directly stream to livestreaming platforms like YouTube.
USB 1	Type-C port, can be connected to a computer, allowing the video mixer to be used as a webcam.
USB 2	TYPE-C port, can connect to a mobile hard disk or USB flash drive for PGM screen recording. HDMI OUT,
OUT	PGM out
IN 1~IN 4	4-way HDMI input
OUT	Audio monitoring port (PGM output audio)
MIC IN 1	Audio input 1
MIC IN 2	Audio input 2

6. Function Panel

6.1 Main UI



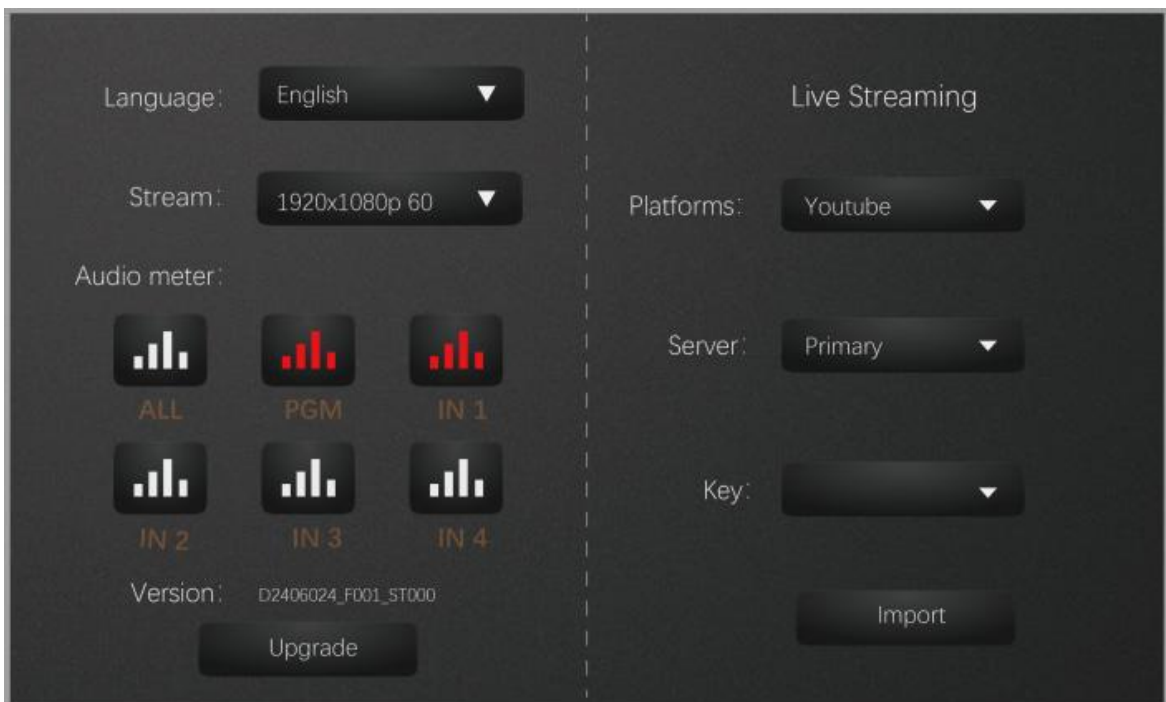
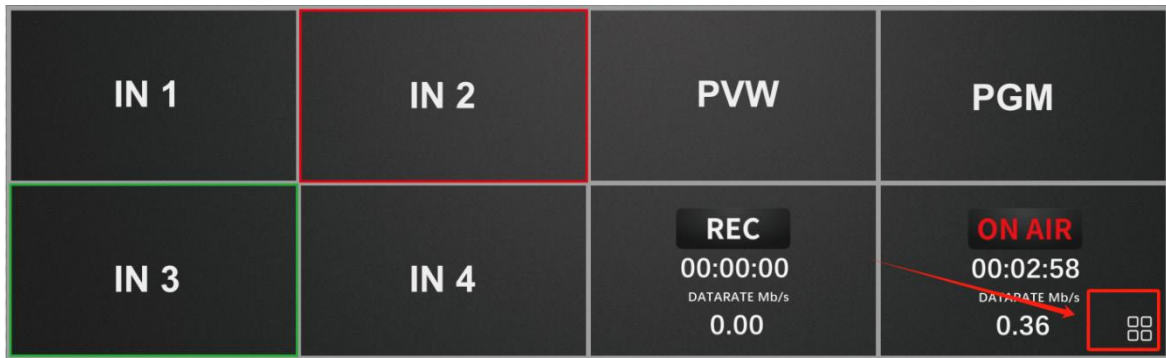
PGM	Program, +9to enlarge it by 4 times and double-click to comeback.
PVW	Preview, double-click the window to enlarge it by 4 times anddouble-click to come back.
IN 1	IN 1 port HDMI signal source.
IN 2	IN 2 port HDMI signal source.
IN 3	IN 3 port HDMI signal source.
IN 4	IN 4 port HDMI signal source.
REC	Recording function.Plug UsB flash drive to the UsB2 and click“REC”to start recording the PGM screen. Click “REC”again to stop recording.
ON AIR	Live streaming function via the LAN port.Click “ON AIR” to startstreaming, and click “ON AIR” again to stop streaming.Pleaserefer to the detailed operations below for more information.
Audio Control	 AFV stands for “Audio Follows Video”. Press it On, and it will only let the audio input be heard whenever the corresponding video source is switched on air. To enable or disable AFV for each input, simply press the corresponding AFV button.
	 Pressing the “RESET “ button will return the input audio levels to their default settings.
	 When the input audio is set to “ON”, it will always be audible, even if the current signal is not on air.
	 When the input audio is set to 'OFF,' the signal audio will not be heard, even if the signal is on air.
	 The up and down arrow buttons for each input adjust the audio level of the corresponding source.

PIP	<p>The PIP effect overlays a second signal on top of the PGM video in a small, customizable window. Input 1 is the default PIP source. If you're live streaming a game and want to overlay your reaction, simply connect the camera to Input 1, and the picture will appear in the PIP.</p> <p>Steps to enable PIP:</p> <ol style="list-style-type: none"> 1. Ensure the video you want in the small window is connected to HDMI Input 1. 2. Connect the main video to one of the other HDMI inputs. 3. Press "ON" in the PIP button area on the control panel. <p>You will see the PIP window on the screen. To change its position, just press any position button.</p>	
EFFECT	 Vertical Wipe	 DVE Squeeze Vertical
	 Horizontal Wipe	 Mix
	 DVE Push Vertical	 DIP
DURATION	Transition effect time options: 0.5 seconds, 1 second, 1.5 seconds, 2 seconds	
CUT	Straight cut. Pressing "cut" tells video mixer you want to use a straight cut instead of an auto transition.	
AUTO	Auto transition. Use transition effects to smoothly switch from one signal to another over a specified duration	
FTB	<p>The fade to black button is an easy way to start and end live broadcasts. Fade to black performs a mix to black which happens across all video layers at the same time. When performing a fade to black, the master program audio will also fade out to silence. To fade up from black, simply press the "FTB" button again. This is a clean way of starting and finishing a broadcast.</p>	

6.2 Configuring the secondary UI

Click the settings icon, or double-click the surrounding area to enter the settings interface.

Double-click the interface again to exit.



Language	Configure the UI language.
Stream	Configure the video resolution and frame rate for PGM output and streaming.
Audio meter	Enable or disable the audio meter for the signal source window.
Version	Current version number. Click 'Upgrade' to update the system version. For more details, please refer to the operation guide.
Live Streaming	You can select a live streaming platform and stream directly through the network port. For more details, please refer to the operation guide.

7. Opeartion Guide

7.1 How to use video switching.

1, Switch the signal source using a straight cut.

For example, a straight cut from Input 1 to Input 2.

① Steps to perform a straight cut:

(The signal source window for Input 1 lights up with a red frame, indicating that Input 1 is currently on air.)

② Click the signal source window for Input 2. The window lights up with a green frame, and PVW switches to Input 2, indicating that Input 2 is in preview mode.

③ Press the "CUT" button to select a straight cut.

Input 1 will now switch to Input 2 immediately, and you will see that Input 2 lights up with a red frame, indicating that Input 2 is now on air. A straight cut switches directly from one signal to another.

2, Switching sources with auto transitions:

Transitions allow you to smoothly switch from one source to another over a specified duration.

For example, a mixed transition fades out the current source until it is no longer visible, then transitions to the next signal.

To switch from Input 1 to Input 2 with a mixed transition, follow these steps:

① Press the 'MIX' button to select a mixed transition.

② Select the duration for the transition.

③ The source window for Input 1 will light up with a red frame, indicating that Input 1 is currently on air.

④ Click the source window for Input 2. The window lights up with a green frame, and PVW switches to Input 2, indicating that Input 2 is in preview mode.

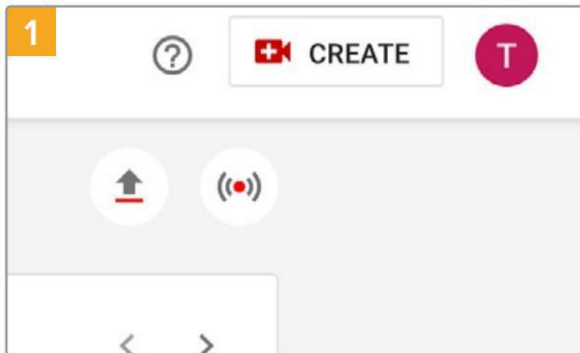
⑤ Press the 'AUTO' button to perform the auto transition.

After the transition, Input 2 will light up with a red frame, indicating that it is now on air.

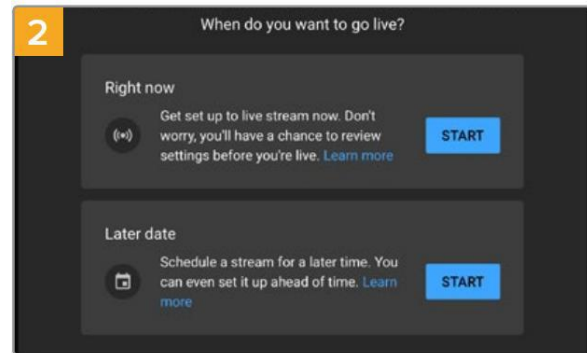
7.2 Direct Streaming via Ethernet

7.2.1 Getting the key from the live streaming platform.

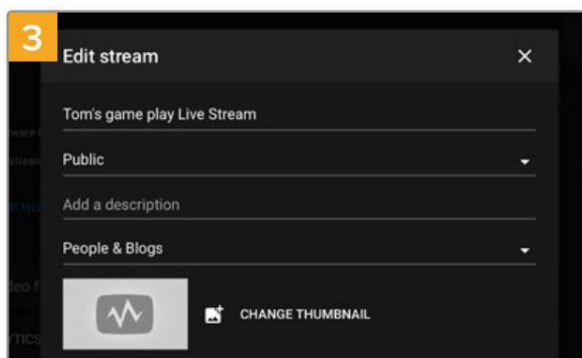
How to configure settings for YouTube Studio.



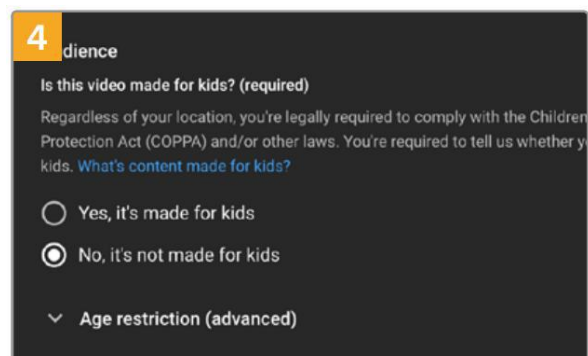
- ① Log into your YouTube account.
Click the “go live” icon.



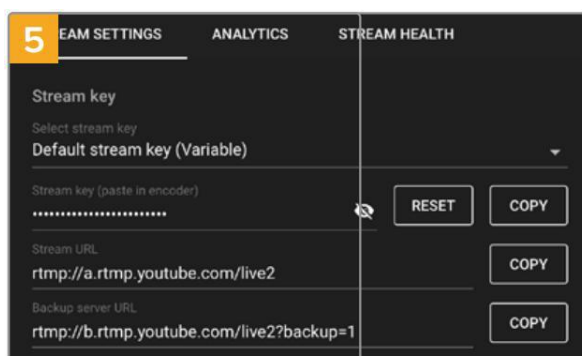
- ② If prompted, choose to start your stream “right now” or at a “later date” and select “streaming software” from the options. Otherwise, select “Edit”.



- ③ Enter your broadcast name and details.
Set the broadcast to ‘public’ so anyone can watch.

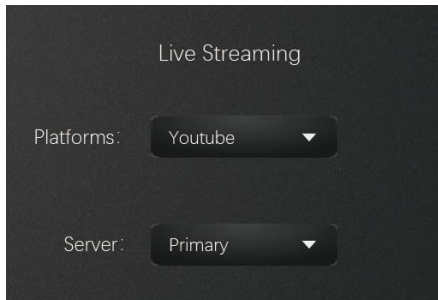


- ④ Set the child protection to the appropriate setting and press save.

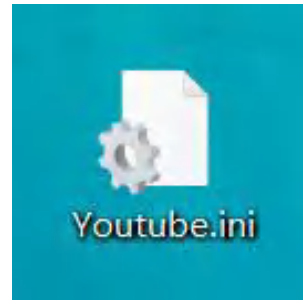


- ⑤ An auto generated stream key will appear in the stream settings, click ‘copy’ to copy the stream key.

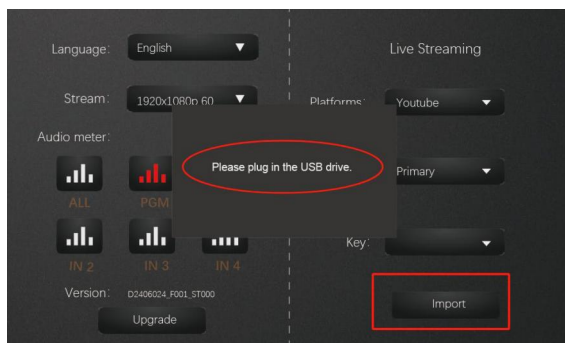
7.2.2 Importing the key



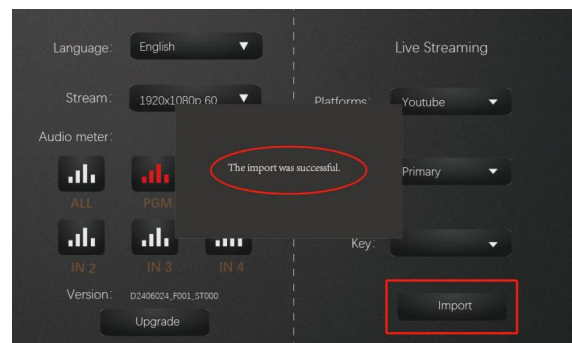
① Click and select YouTube from the streaming platform drop-down menu to set it as your primary server.



② Create a new .txt document on your computer, paste the video stream key into it, and save the document. Then, change the file extension to .ini format. You can customize the document name or name it after the live broadcast platform for easy identification, for example: Youtube.ini



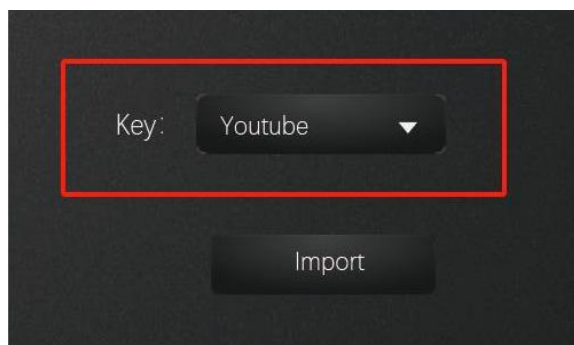
(Please plug in the USB drive.)



(The import was successful.)

③ Copy the key file to the root directory of the USB flash drive. Connect the USB flash drive to the USB2 port, click the “Import” button, and you will see a prompt: “The import was successful.”

(Note: If the USB flash drive is not connected, clicking “Import” will prompt: “Please plug in the USB drive.”)



④ Once the import is complete, open the key's drop-down menu, locate the “Youtube”, and select it.



⑤ Go back to the main UI by double click, and click the “ON AIR” button to start live streaming through the Lan port. (Please note that live streaming will only work if the network cable is connected and there is Internet access.)

8. Product Parameters

Screen : 10.1" Touchscreen	Screen Resolution : 1920*1200
Video Input : HDMI*4	Video Output : HDMI*1
Audio Input : 2 * 3.5mm Stereo Mini Jack	Audio Output : 1 * 3.5mm Stereo Mini Jack
USB Interface : 2 * Type-C	Dimension (W×H×D) : 247 × 52 × 168 mm
Video Sampling : 4:2:2 YUV	Color Space : Rec 709
Input Voltage : 12V DC	Consumption : 18W
Video Input Formats : 720p50/60, 1080i50/60, 1080p24/25/30/50/60	
Video Output/Streaming Formats : 1080p24/25/30/50/60	
Recording : High quality H.264, supports USB drives and SSD formatted FAT32	
Direct Streaming : Ethernet, supports 10/100/1000 BaseT and for live streaming via RTMP	
Multiview Monitoring : PVW / PGM / HDMI IN 1 to 4 / Recording / Streaming	