SPROLINK®

NeoLIVE ME5

User Manual

V1.0

www.sprolink.com

ME5 User Manual

Safety Instructions

Ignoring the following precautions may result in personal injury or even death.
It may also cause damage to the equipment, data loss, performance degradation, or other unpredictable consequences.

1.To avoid potential electric shock or serious damage, always disconnect the power cord from the outlet before moving or handling the product.

2.When adding new hardware or removing existing hardware from the device, always power off the unit first. If possible, unplug the power cord from the outlet before proceeding.

3.Before use, ensure proper grounding and confirm that the input voltage is within the rated operating range. Failure to do so may result in equipment damage or unpredictable behavior.

4.Do not use loose or damaged power outlets, and never touch the power plug or outlet with wet hands. Doing so may result in electric shock or fire hazards.

5.If you hear any abnormal sounds (such as crackling or sparking) from the power cord or power connector, unplug the power cord immediately and contact your authorized distributor or service representative. Continued use may cause electric shock or fire.

6.If foreign objects or liquids have entered the product, or when cleaning the device, always disconnect the power cord and all other connected cables first. Failure to do so may lead to electric shock, fire, or damage to the product.

7.If the power supply is damaged, do not attempt to repair it yourself. Contact a qualified technician or authorized dealer for service.

Note:
Due to continuous updates and feature enhancements, the user manual you hold may differ slightly from the actual product.
Please download the latest version of this user manual from the official SPROLINK website.
(Last updated: August 4, 2025)

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1.Quick Guide

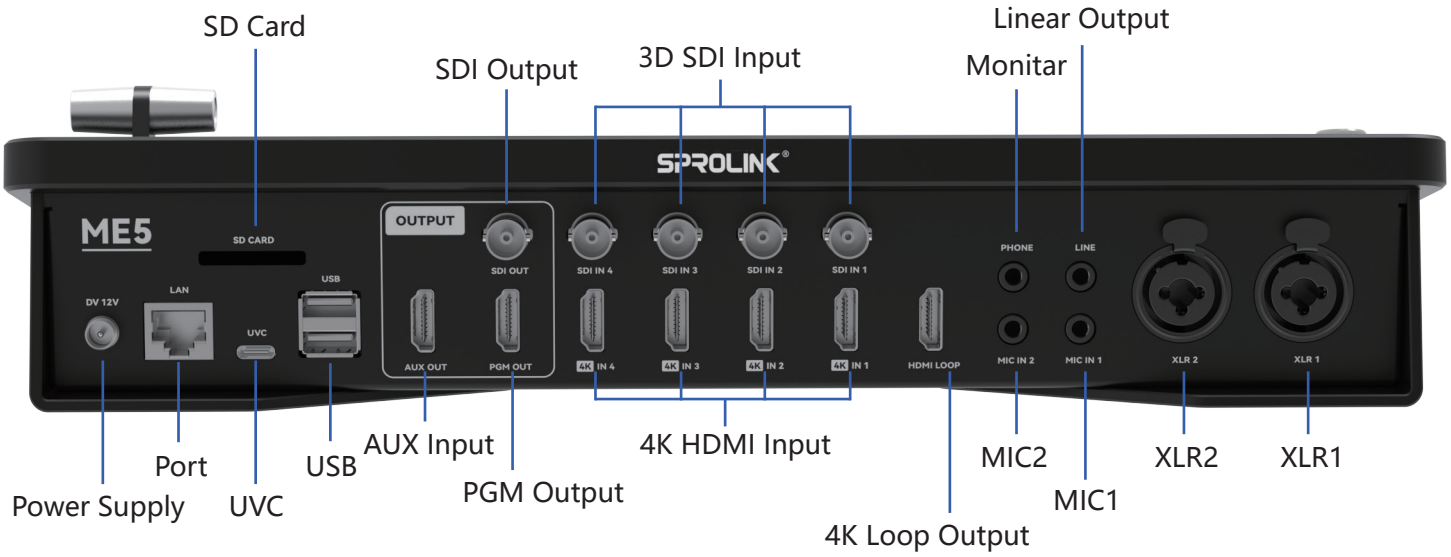
1.1 Product Overview

The NeoLIVE ME5 is a professional video production switcher with a 10.1-inch touch display. Compared with traditional production switchers, the ME5' s larger display provides a clearer interface and allows you to view more operation menus and video content simultaneously.
Whether you are switching camera feeds, adjusting parameters, or monitoring multiple outputs, the operation is straightforward, efficient, and intuitive. The ME5 is equipped with four 3G-SDI inputs and four HDMI 2.0 inputs, providing a total of eight input channels.
It supports two HDMI outputs, one fixed HDMI loop-through output, and one SDI output, meeting the needs of diverse live production scenarios.
From 4K cameras to high-resolution computer sources, the ME5 seamlessly integrates into your production environment and ensures broadcast-grade image quality.
For audio control, the ME5 support two XLR audio inputs and three independent faders, enabling smooth volume adjustment and professional-grade mixing.

1.2 Key Features

- 10.1-inch touchscreen for intuitive control and real-time monitoring.
- 4K UHD input for high-resolution multi-camera production.
- 4K loop output for 4K display systems.
- 3.5 mm and XLR audio inputs for professional audio equipment.
- Three audio faders for smooth audio level adjustment.
- Dual USB interfaces supporting simultaneous recording and UVC camera input.
- Integrated media player for video playback.
- PGM and MV outputs enabling flexible program and preview monitoring.
- Internal recording to USB drives or external hard disks.
- Portrait and landscape production scenarios.
- Built-in web control interface accessible via standard web browsers.
- Dual-channel live streaming over Ethernet with configurable stream keys.

2.Interface



3.Button Guide

3.1 Display Section

3.1.1 This button toggles between landscape and portrait modes.

3.1.2 The section below is the PIP layer configuration area. ME5 provides two PIP layers. To preview a PIP layer in the PST, press the "PVW" button, then press the "SET" button to activate the PIP layer setting. You can switch the input source for the PIP layer then adjust the size and position. Click the "PGM" button to synchronize the PIP layer from PST to PGM.

3.1.3 The following image shows the LOGO or OSD function keys. The ME5 can add two LOGOs or one LOGO and one on-screen display (OSD). Click the corresponding LOGO or OSD icon on the screen. The LOGO or OSD will first appear in PST. Clicking again will highlight the icon with a green border, allowing you to move the LOGO or OSD. To synchronize it to PGM, press the corresponding LOGO ON AIR button; Alternatively, directly press the corresponding LOGO ON AIR button to display the item directly in PGM.

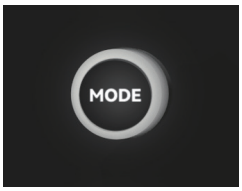
3.1.4 The following images show the signal type selection for the media source. Long-press the corresponding key to select video, image, or webcam as the fifth signal source. After selected, the key turns blue, and the status bar switches to the corresponding signal's settings area. To switch the selected source to PST or PGM, press the corresponding key again. The key turns green or red after switching. signal content can be configured and imported via the Media menu (refer to section 4.9). When selecting the WEB key, please configure the USB camera or streaming footage in the Media menu first.

3.1.5 The image below shows the background image button. A short press switches the background image to either PST or PGM.

3.2 Function Section

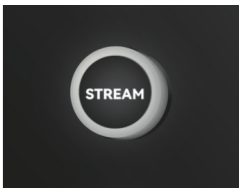
3.2.1 The following images show the power button and keyboard lock: Press the power button to turn on the console. You can power off the device by long press the power button. Press the lock button to lock or unlock the keyboard.

3.2.2 The image below shows the Mode Switch button. When the button is green, T-bar mode is active. Selected input sources take effect in PST first and require switching to PGM via the T-bar, AUTO, or CUT buttons. When the button is red, Quick Cut mode is active. In Quick Cut mode, selecting a corresponding signal source directly activates it in PGM.



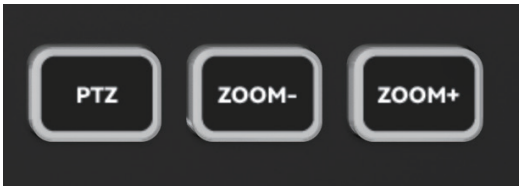
3.2.3 The image below shows the 48V XLR port power switch. When an XLR microphone connected to the port requires additional 48V phantom power, press this button to enable power. After pressing, you must also confirm on the screen. (Note: Do not enable this power when the XLR-connected audio device does not require 48V phantom power, as it may damage the equipment.)

3.2.4 The image below shows the streaming and recording buttons. A short press toggles streaming and recording on/off. (When recording is off, wait until the REC light turns off before removing the storage. Storage devices are recommended to be formatted as NTFS or exFAT.)



3.2.5 FREEZE is the freeze frame button; a short press freezes the image. SHOT is the screenshot button; a short press captures the current PGM content to external storage. A short press of FTB fades the main output to black.

3.2.6 The following images show the PTZ camera control button and PTZ camera zoom button. After connecting the PTZ camera, a short press of the PTZ button enables PTZ control. The zoom button can also be used as a subtitle switching button in subtitle mode.



4.Menu Description

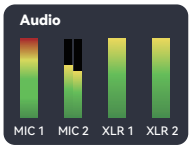
4.1 Status Bar

4.1.1 Status bar displays: streaming duration, recording duration, and used/remaining storage space.

4.1.2 Configure transition effects, transition duration, and switching modes via the effect status menu below. There are three commonly used transition effects, which can be selected directly by clicking. To modify the default transition effects, click the edit button in the corner to directly access the EFFECT menu for adjustments.

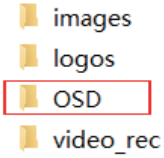
4.1.3 Fifth Channel Settings: Long-press the VIDEO, IMAGE, or WEB button to select the fifth channel's signal type and toggle the signal list in the status bar. After switching, you can play, switch, or select NDI/streaming sources for the fifth channel's content on-screen. The three status images below correspond to the VIDEO menu, IMAGE menu, and WEB menu respectively. Content displayed under this module requires selecting the corresponding storage path in the Media menu.

4.1.4 Audio settings: The audio module displays two XLR ports and two 3.5mm audio jacks.

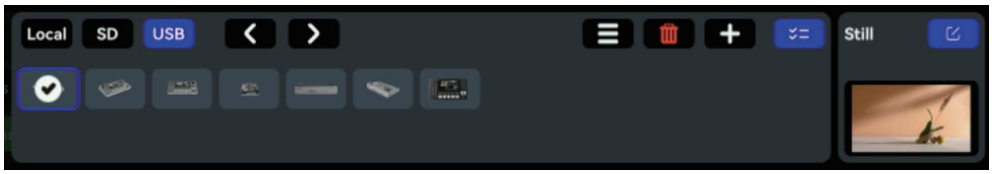


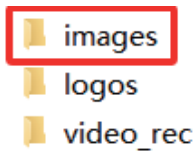
4.1.5 LOGO/OSD Settings: Clicking the corresponding logo icon will display the logo in the PST. Clicking again highlights the logo icon with a green border, allowing you to adjust its position using the joystick. Clicking the edit icon in the corner opens the logo editing page. You can click the corresponding logo to switch styles or import additional logos via storage devices. In the editing interface, you can also switch the LOGO mode to OSD subtitle mode. Click it to enable or disable subtitles. To import logo or subtitle files, first insert an empty storage device into the production console. The device will automatically generate four folders named images, logos, OSD, and video-rec. Place PNG logo files in the logos folder (The logo size should within 960×540 pixels).

Subtitle files must be .txt documents and placed in the OSD folder. Within the .txt file, each subtitle line should be entered on a separate line. When subtitles are enabled, two lines will display sequentially. Press the zoom- and zoom+ buttons to cycle through subtitles.



4.1.6 Background Image Settings: This module previews the current background image. Click the edit icon in the corner to import images from external storage devices. Select the desired storage device, then click the plus icon to add the required images. (Refer to section 4.1.5 for importing folders; images files must be placed in the images folder). After adding, you can view the imported images in Local storage.

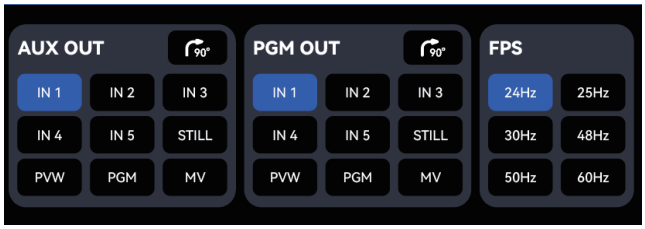




4.2 Input & Output

4.2.1 Input: In the Input/Output menu, you can horizontally or vertically flip each input source. In the source settings for each channel, you can prioritize displaying either the HDMI or SDI source when both HDMI and SDI signals are connected. Click the source label at the top to modify the label for the source.

4.2.2 Output: In the output menu, you can configure the display for both AUX and PGM output. Select different signal sources and output frame rates. Additionally, set the rotation angle for the AUX port when outputting MV footage.

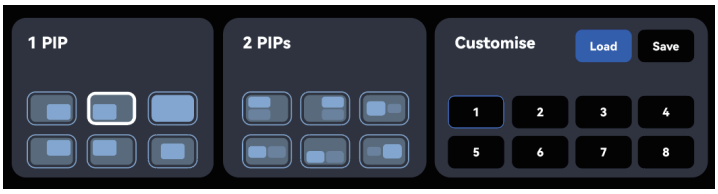


4.3 Layers

The Layers menu configures the signal sources for the main layer and two PIP layers. Clicking the edit icon in the corner of PIP opens the PIP layer editing menu. Within this menu, you can adjust the scaling and cropping for the corresponding PIP layer. Proportional scaling allows for enlarging or reducing the PIP layer while maintaining aspect ratio; scaling enlarges the signal source based on the original layer size.

4.4 Scenes

4.4.1 Scene Save & Load: The Scene menu includes 12 preset scenes, categorized into layouts with one main layer and one PIP layer, or one main layer and two PIP layers. The ME5 can save 8 custom scenes. To save a scene in the PST, first click Save, then select the desired scene number. To recall a saved scene, first click Load, then select the corresponding scene number.



4.4.2 Custom Transitions: This menu allows setting up to 8 custom transitions. You can define the content for auto transition. Within the option box, use the knob to select different input sources for switching. When auto transitions are enabled, the first configured source will directly show on the PGM feed, and start switching when reach the holing time.

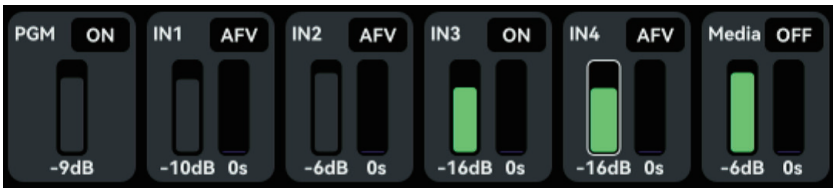
4.5 Audio

4.5.1 Audio Settings: In the Audio menu, you can adjust the volume for each input source, set audio delay, and configure audio modes. To adjust the volume of an audio source, select the corresponding volume bar. You can adjust the volume by touching and sliding the bar or using the knob. The audio status of a signal source has three modes: ON, AFV, and OFF. Tap to switch between audio modes.

ON: Mixing mode. In this mode, the audience can hear the audio from the corresponding signal source regard less the channel is currently on air or not.

AFV: Audio Follows Video. In this mode, the audience can only hear the audio from the corresponding signal source when it is on air.

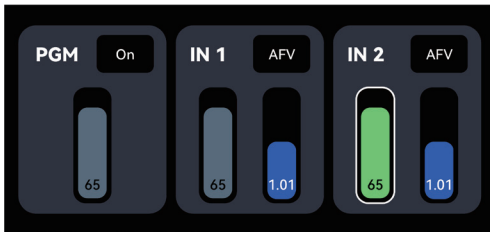
OFF: Audio is disabled. In this mode, the audio remains off all time. Even when the corresponding audio source is on air, the audience cannot hear the audio from that channel.



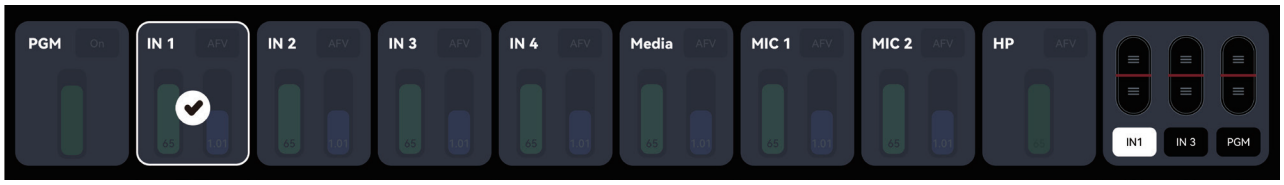
On the second page of the Audio menu, select LINE OUT audio channel and audio monitoring.

4.5.2 External Audio Signals: The ME5 supports two 3.5mm jacks and two XLR connectors for external audio input. The 3.5mm jacks offer MIC and Line In modes. MIC mode includes preamp gain, while Line In mode does not. Select the appropriate mode based on the connected device type.
The XLR ports offer three modes: DYN (Dynamic Mode), CON (Condenser Mode), and Line In (Line Mode). Select DYN for dynamic microphones and CON for condenser microphones, ensuring 48V phantom power is enabled.

4.5.3 On the right side of the Audio menu are three fader icons. These correspond to the three audio faders. On the screen corner has channel indicator for each fader. you can adjust the volume via the fader.

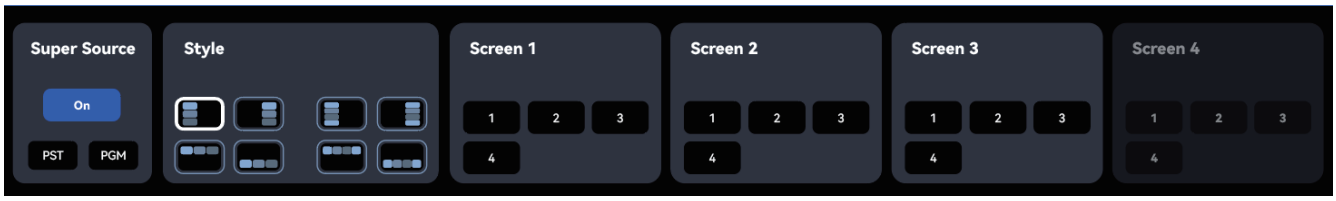


To modify the audio channel of audio fader, click the audio source below the fader icon and select the desired audio channel. The volume of the selected channel will now be adjusted according to the position of the fader.



4.6 Super Source

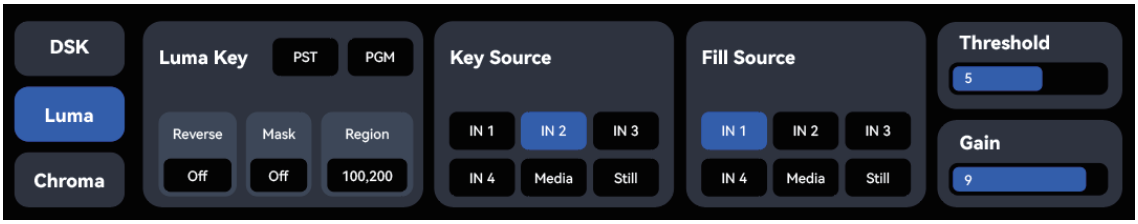
This menu allows you to configure the position of source layout. You can also set the Super Source to three-screen or four-screen configurations.



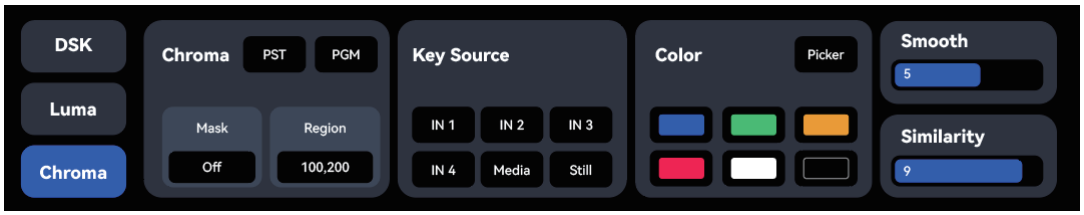
4.7Key

ME5 offers three keying methods: Downstream Key (DSK), Luma Key, and Chroma Key.
4.7.1 Downstream Key Keying: First generate the key in PST. After selection, click the source requiring keying. Adjust the threshold and gain based on the keying effect. Once selected, the threshold and gain can also be fine-tuned via knobs. After keying is complete, click PGM to on air. Invert reverses the current keying color values. Mask and Mask Area apply keying only within the selected region, leaving surrounding area cropped. Use the knob to scale the mask area and the joystick to adjust its position.

4.7.2 Luminance Key Chroma Key: First generate in PST. After selected, click the source to be keyed out, then choose the fill source. The fill source can cover areas not keyed out. (The keyed-out source and fill source cannot be the same, otherwise the effect will be invisible.) Then adjust the threshold and gain based on the actual keyed-out effect. Once selected, threshold and gain can be fine-tuned via knobs. After masking, click PGM to on air.
"Invert" reverses the current masking color value; "Mask" and "Mask Area" apply masking only within the defined region, leaving surrounding areas unaffected. Adjust the mask size using the knob and reposition it with the joystick.



4.7.3 Chroma Key: First select generation in PST. After selected, click the source or layer requiring keying. Choose the color to remove. If the desired color isn't among the provided options, use the color picker to select it. After clicking the color picker, a small selection box appears on the source. Move the box with the joystick to pick the color. Adjust the selected color using Similarity and Smoothness. Once selected, fine-tune these parameters with the knob. After masking, click PGM to on air. The mask and mask area indicate the region within which the image is masked; areas outside this region remain unaffected. Use the knob to enlarge or reduce the mask area, move the joystick to adjust its position.



4.8 Transitions

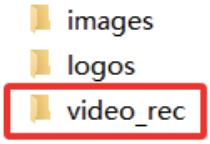
The ME5 features 30 built-in transition effects. Within the transition menu, you can configure transition duration, blending effects for edges, and the blackout time for FTB. This menu also allows setting the DIP color for DIP transitions.

To achieve a blending dual-screen effect like in concerts, first switch the director console to T-bar mode and set edge blending to 100%. Select effects like those highlighted in red boxes. Then route the two overlapping screens to PST and PGM. After switching, push the T-bar to the center position to achieve the dual screen overlay effect.

4.9 Media

4.9.1 Video Playback: The video menu allows selection of video playback paths. When choosing an external storage device path, the media section in the status bar displays media pool of SD or USB disk. To import media to local storage please select the external storage path, then click the edit icon in the corner, choose the video and click the plus sign to import (Do not recommend to do so).Local media can also be deleted.

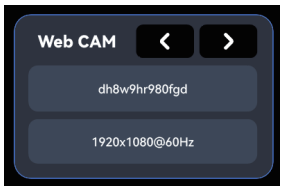
We recommend save media into SD card or USB disk. First insert an empty storage device into the device. Three folders named images, logos, and video-rec will automatically generate on the storage device. Video playback should be placed in the video-rec folder. Supported formats include mp4, flv, and ts files encoded with h264, with resolutions up to 1080p60. The local media pool supports a maximum capacity of 800MB, and imported video must within 100MB in size.



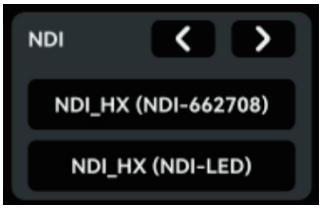
4.9.2 Image Playback: The image menu allows selection of the image playback path. When an external storage device path is selected, the media area in the status bar displays media pool of SD or USB disk. To import image to local storage please select the external storage path, then click the edit icon in the corner, choose the image file and click the plus sign to import (Refer to Section 4.9.1. image files must be placed in the images folder. Image resolution must be 1920x1080 or lower, in JPEG format.)

4.9.3 Webcam Mode: This module consists of three sections: USB Camera, NDI, and Pull Stream.

To connect a UVC camera, first plug it into USB port on the device. ME5 will automatically detect the USB camera's resolution and frame rate. Select the desired resolution to activate the USB camera.

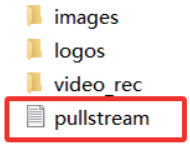


(2) To connect an NDI stream, first connect the switcher to the local network (LAN). After connecting to the LAN, enable DHCP in the system settings. The switcher will then be assigned an IP address within the LAN. Once connected to the LAN, the NDI menu will automatically scan for NDI streams within the current LAN and display them in the menu. Select and click the corresponding stream name to call up the NDI stream.



(3) ME5 also supports pull stream of rtsp/rtmp/srt. To pull a stream, first connect the device to the network and enable DHCP in the system settings. You will then need to enter the pull stream URL, which can be imported from a storage device or entered via the web interface.

① Import by External Storage: First, create a new text document named "pull stream" on the storage device. Enter the pull stream address into this document and click Save. After saving the pull stream address, insert the storage device into the unit. The production console will automatically read the address from the document. When multiple pull stream addresses are required, enter them on separate lines.

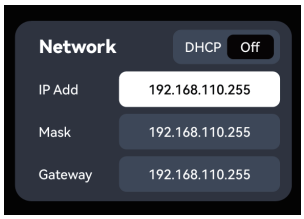


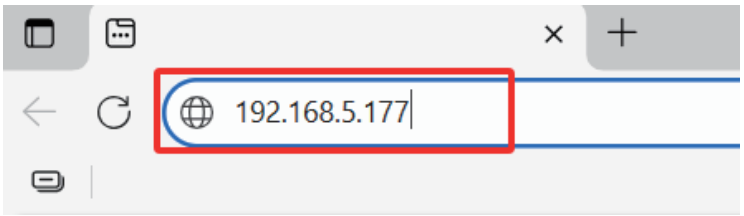
② Web GUI: Before accessing the web interface, ensure the device and computer are on the same network segment. This can be achieved by connecting the device directly to the computer or by connecting both to the same local area network:

A: Direct connection, modify the gateway settings on either the device or the computer to match. After modification, enter the device IP address in the browser address bar to access the web interface.

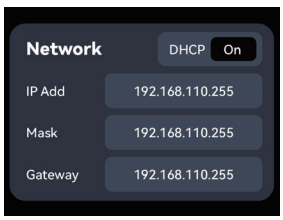
Eg. In the system settings, configure the control console's IP address as 192.168.5.177, subnet mask as 255.255.255.0, and gateway as 192.168.5.1. After applying these settings, set the computer's IP address to

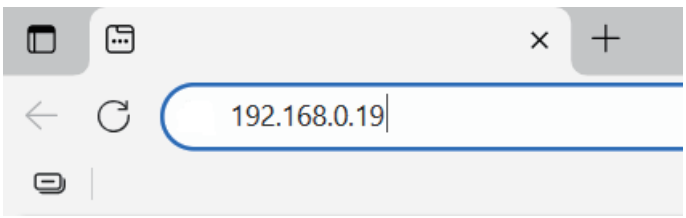
192.168.5.XX, where the last digit differs from 177. Then enter 192.168.5.177 in the browser to access the web interface. After entering the web interface, fill in the stream pull code in the Media menu.





B: If both devices are connected to the same LAN, first connect the device to the LAN. After connecting, enable DHCP in the system's network settings. The LAN will then assign an internal IP for ME5. Both the computer and device must be on the same LAN. After connecting, enter the IP address of device by web browser.

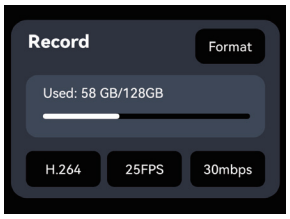




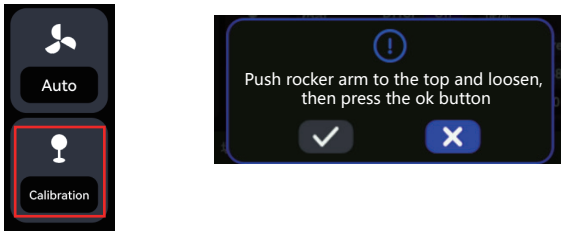
(4) Mobile Camera Feed: The ME5 supports mobile phone's camera feed into the fifth channel. First, download the ME8 app from the official website (currently Android only). After downloading and registering/logging into the app, ensure both the phone and the production console are connected to the same LAN. After connecting, open the ME8 app on your phone, select CAMERA, and enter the menu. Long-press the IP field, enter the IP of ME8 in the pop-up input box, and click START to begin sending the phone camera feed to the ME5. Enable the phone feed switch on the ME5 to capture the image.

4.10 System

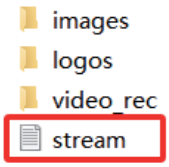
4.10.1 Recording: In System Settings, select the video format, frame rate, and bitrate for recording. Available formats include MP4 and FLV. Frame rates can be set to 24, 25, 30, 50, or 60 fps, while bitrates range from 5 to 30 Mbps. All parameters can be adjusted by tapping the corresponding options. After configuring recording settings, press the REC button to start recording.



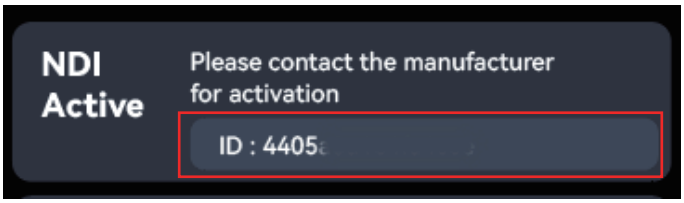
4.10.2 Joystick Calibration: If joystick drift occurs, calibrate it in System Settings. After selecting Calibrate Joystick, follow prompts: Tilt the joystick upward, release, then tap the screen to confirm. Repeat for all directions (up, down, left, right).



4.10.3 Streaming: Streaming addresses can be entered via external storage or web interface:
① External Storage: First, create a text document named "stream" on the storage device. Enter the streaming address into the document, ensuring the address and key are on separate lines. Insert the storage device into the device, the device will automatically read the URL from the document. When entering multiple streaming addresses, list them on separate lines.

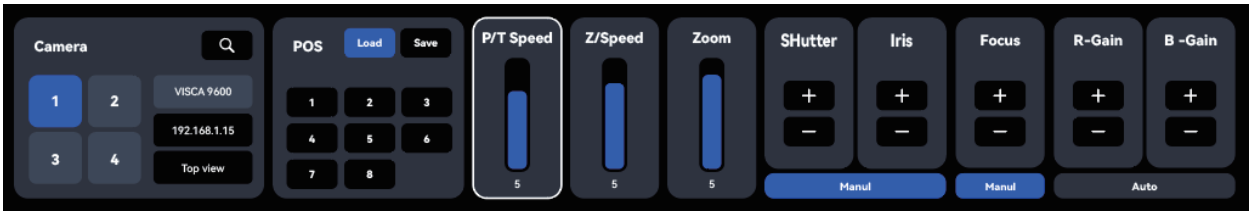


② Web GUI: Follow the web access method described in Section 4.9.3 for entering pull stream addresses. Once in the web interface, input the stream address under System Settings. After entering, click Apply to synchronize the settings to the device. Check if the URL displayed on system menu and press the STREAM button to initiate streaming.
4.10.4 NDI: The ME5 support NDI feed. To active NDI, simply provide the NDI ID activation code to the support@sprolink.com and technical support will assist with the activation process.

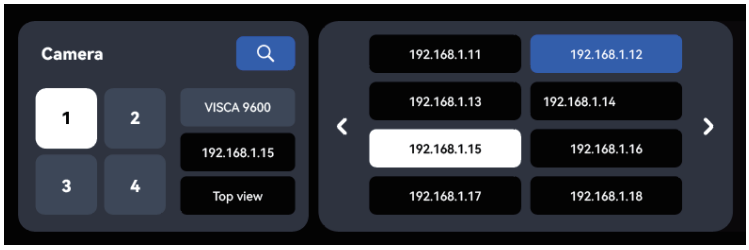


4.11 PTZ Control Function

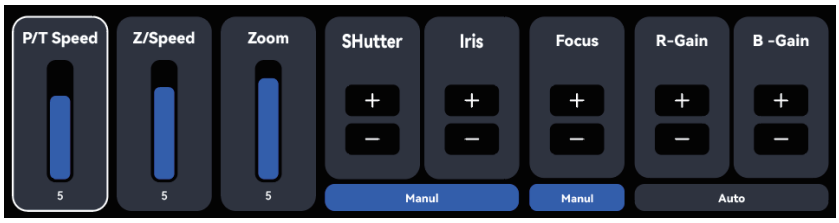
The ME5 can control up to 4 PTZ cameras. When controlling a single camera, connect the camera directly to the device via Ethernet cable. For direct connection, both the camera and control unit must be on the same subnet (adjust either ME5 IP or PTZ IP). When connecting multiple cameras, link both the device and PTZ cameras to the same LAN or connect via a switch. Both the PTZ cameras and the device must be on the same LAN, turn on DHCP. When connecting via a switch, configure all PTZ cameras and the control console under the same gateway. Click the PTZ button to enter the PTZ control menu.



In the control menu, select the desired camera number. After selected, click the search icon in the corner. All PTZ cameras on currently network will list on menu. Choose the desired IP address for current channel.



You can save and recall preset positions for the PTZ camera, adjust exposure, select focus mode, and set pan/tilt speed and zoom speed. "Auto" denotes automatic mode, while "Manual" enables manual control. Use the joystick to control the PTZ camera. The ZOOM- and ZOOM+ buttons control zoom.



To save a preset position, first click "Save" tab, then select the corresponding number to save the current position. To load a preset, click "Load" tab, then select the corresponding number.