



**HOLLYLAND**  
MADE TO INSPIRE

# Wireless Tally System

User Manual

V1.0

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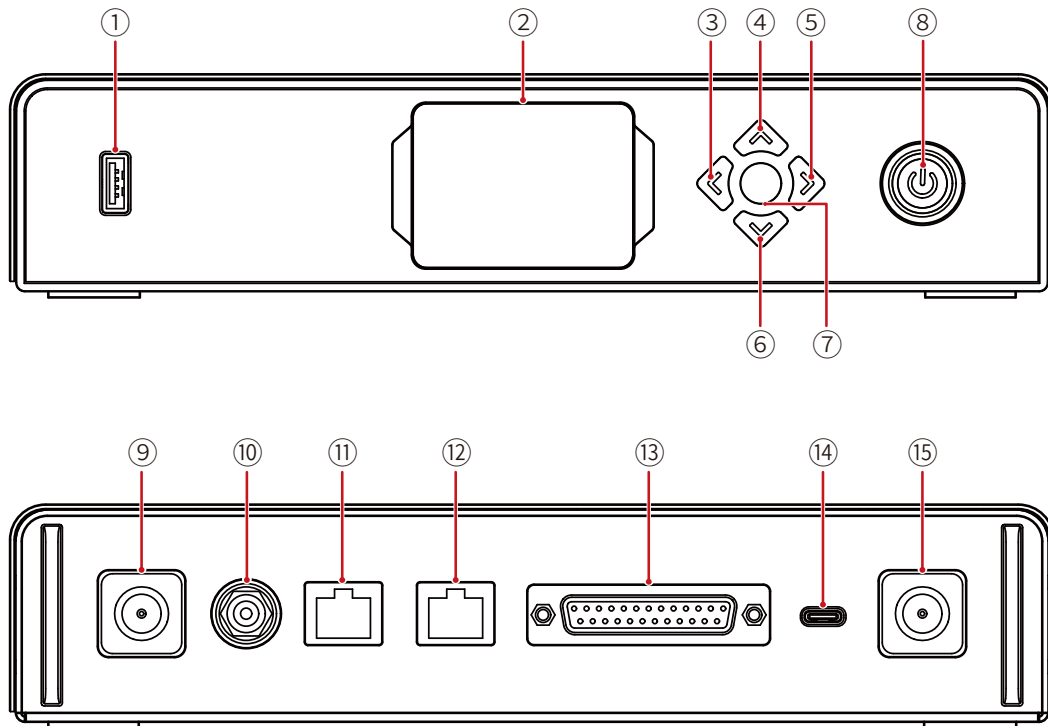
# Safety Precautions

For your safety, please read the following safety precautions before using the product to ensure its correct use:

- Do not place the device near or inside heating devices (including but not limited to microwave ovens, induction cookers, electric ovens, electric heaters, pressure cookers, water heaters, and gas stoves) to prevent the battery from overheating and exploding.
- Use the original charger and data cables.
- Using unauthorized or incompatible chargers, data cables, or batteries may cause electric shock, fire, explosion, or other dangers.
- Avoid stepping on or squeezing the power cable, especially at the plugs, outlets, and points where it extends from the device.
- Unplug the product during thunderstorms or when it is not in use for an extended period.
- Do not disassemble the device unless you are a qualified technician from Hollyland or under professional guidance.
- All repair work should be done by qualified technicians from the manufacturer.

# Tally Box Introduction

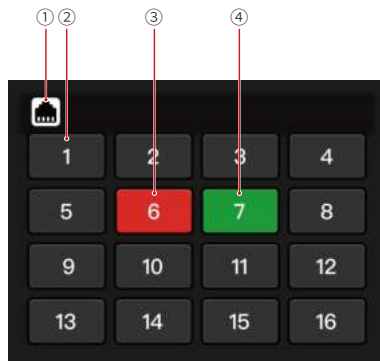
## 1.1 Overview



- ① USB Port
- ② Display Screen
- ③ Left Key
- ④ Up Key
- ⑤ Right Key
- ⑥ Down Key
- ⑦ Menu/Confirm Button (long press to enter the menu/press to confirm)
- ⑧ Power Button (red: off; green: on)
- ⑨ Antenna Connector
- ⑩ DC Input
- ⑪ Tally Input RJ45 Port
- ⑫ Switcher Loopout RJ45 Port
- ⑬ Tally Input Port (DB25 F)
- ⑭ USB-C Port (reserved)
- ⑮ Antenna Connector

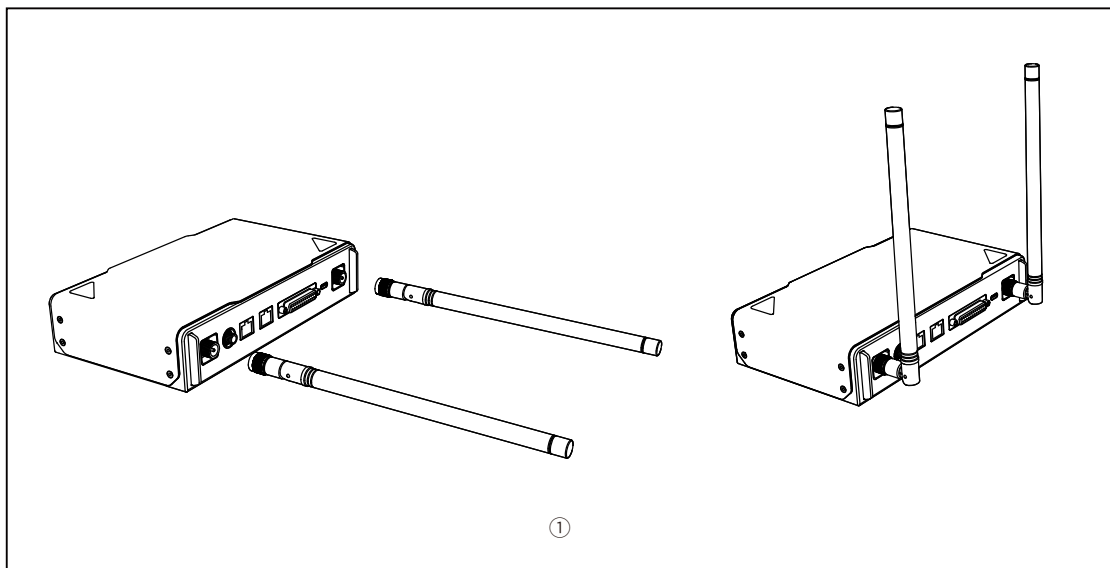
# Tally Box Introduction

## 1.2 Interface

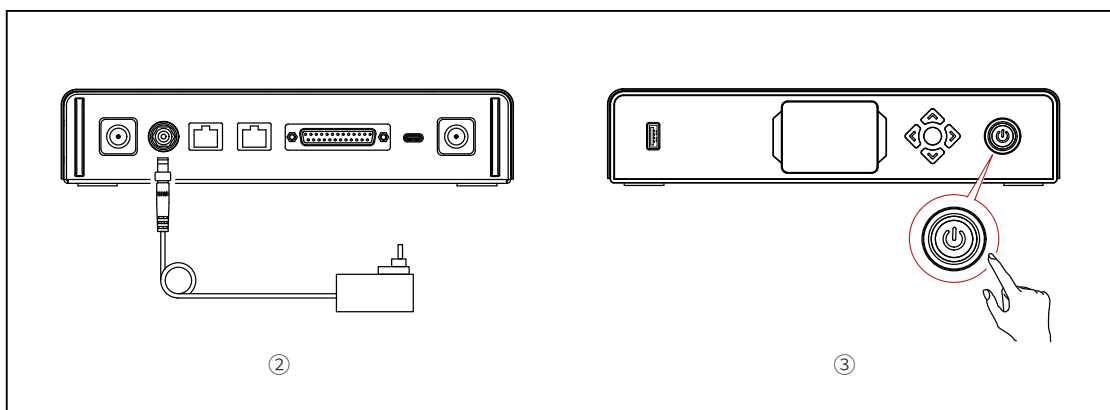


- ① RJ45 Port Connection Status
- ② Tally Light Normal Status
- ③ Tally Light PGM Status
- ④ Tally Light PVW Status

## 1.3 Installing the Tally Box



- ① Install the antennas as shown in the diagram.



- ② Connect the power adapter.
- ③ Press the power button to turn the Tally box on.

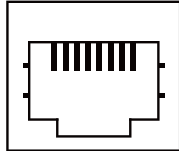
# Tally Box Introduction

## 1.4 Operations

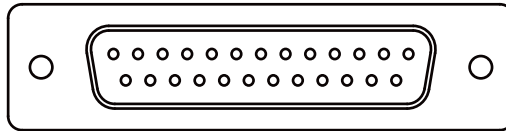
### 1.4.1 Learning the Sequence

#### ① Preparing the devices

- Confirm the supported Tally port on the switcher.

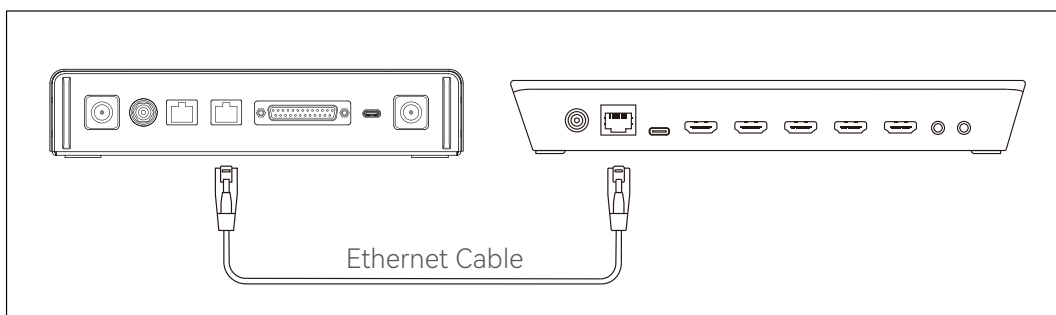
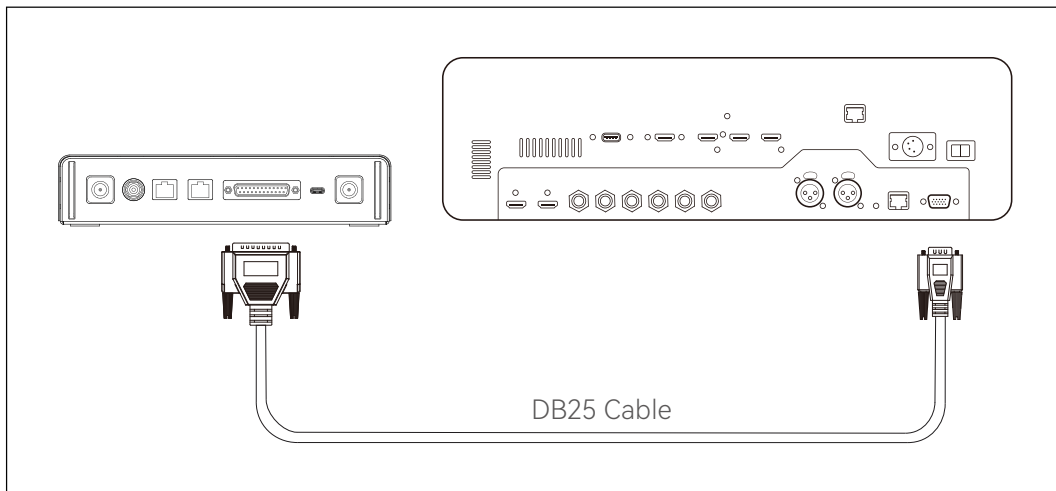


RJ45



DB25

- Connect the Tally box and switcher using the corresponding cable.

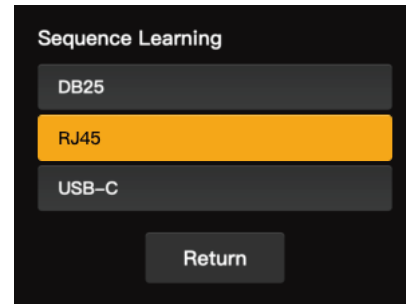
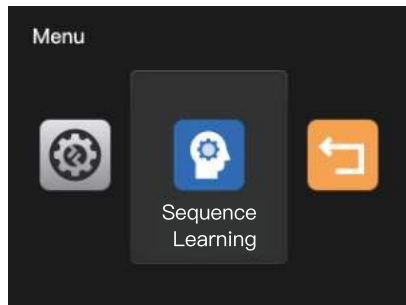


- Power on the Tally box, Tally light, and switcher.
- Press any PGM and PVW buttons except for 1, for example, PGM 2 and PVW 3.

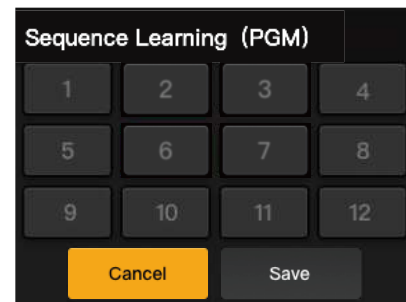
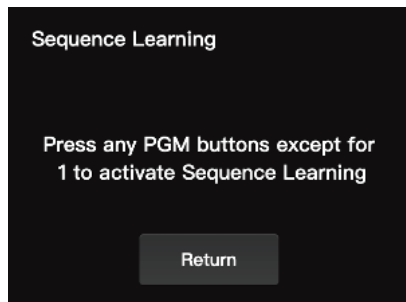
# Tally Box Introduction

## ② Learning the PGM and PVW sequence

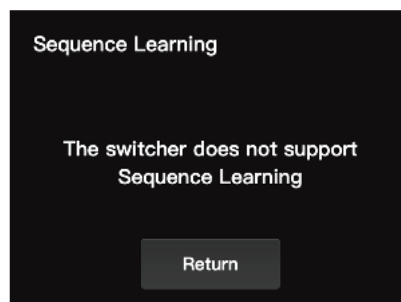
- Long press the menu button to enter the menu, choose the **Sequence Learning** function, and select the corresponding port based on the supported Tally port on the switcher.



- Press any PGM button except PGM1 within 10 seconds to enter the PGM sequence learning interface.

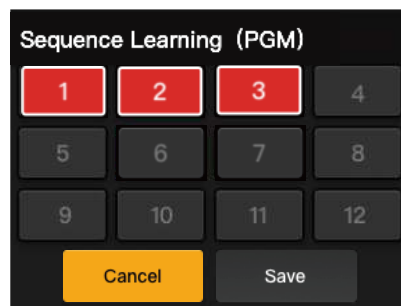


- Note that if there are no valid operations within 10 seconds, the interface will display "The switcher does not support Sequence Learning". In case of a timeout, repeat the previous steps.



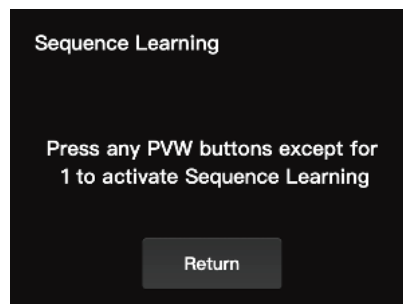
# Tally Box Introduction

- After entering the PGM sequence learning interface, press the corresponding PGM button on the switcher that matches the number blinking on the learning interface. For example, if number 1 is blinking, press PGM1 on the switcher. After the first learning, the blinking number will sequentially switch to the next. For example, after the learning of PGM1, number 2 will start blinking. Continue with learning one by one.

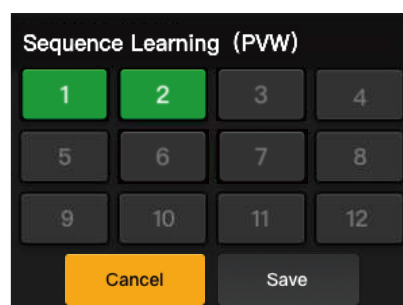


Note: One number can only match one PGM button.

- After the PGM sequence learning is completed, the Tally box will display the PVW sequence learning interface. Press any PVW button except PVW1 within 10 seconds to enter the PVW sequence learning interface.



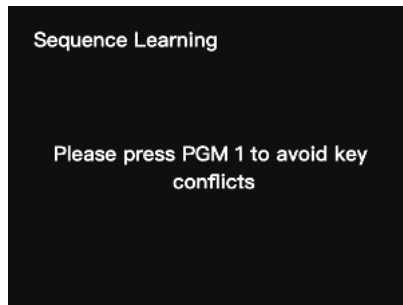
- After entering the PVW sequence learning interface, refer to the PGM sequence learning steps to complete the PVW sequence learning.



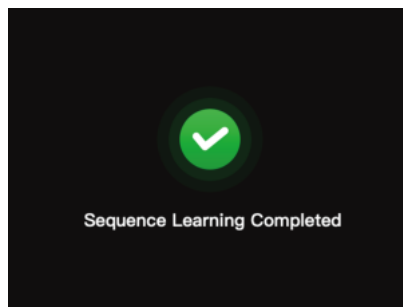


# Tally Box Introduction

- If a key conflict is detected in the PVW sequence learning process, the Tally box will display "Please press PGM1 to avoid key conflicts". Follow the instruction to continue with the sequence learning.



- Continue with the sequence learning until "Sequence Learning Completed" is displayed.



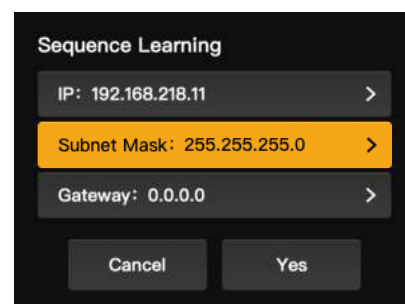
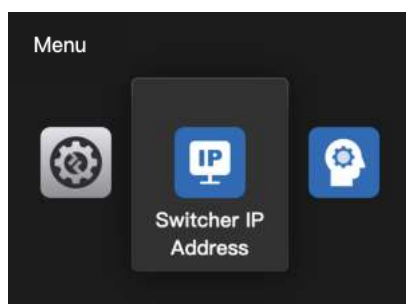
## 1.4.2 Switcher IP Address

### ① Preparing the devices

- Connect the Tally box and switcher using an Ethernet cable.
- Power on the Tally box, Tally light, and switcher.

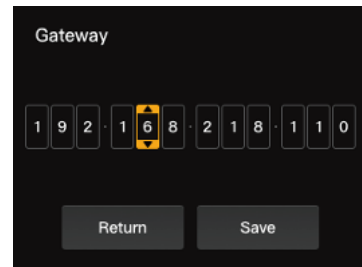
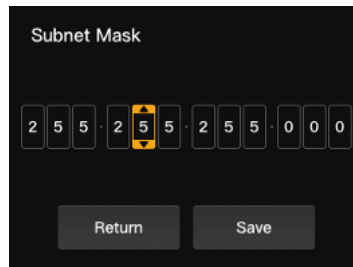
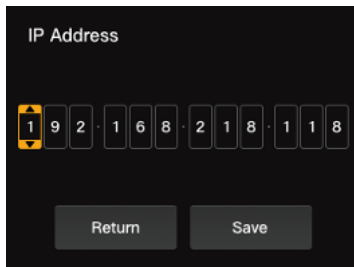
### ② Configuring the IP address

- Long press the menu button to enter the menu, and choose **Switcher IP Address**.

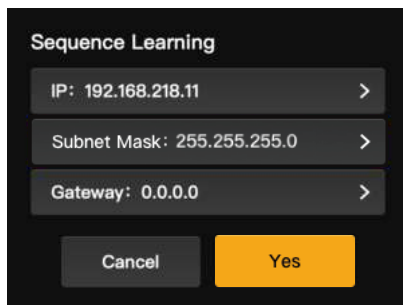


# Tally Box Introduction

- Set the IP address, subnet mask, and gateway to the same as the switcher.

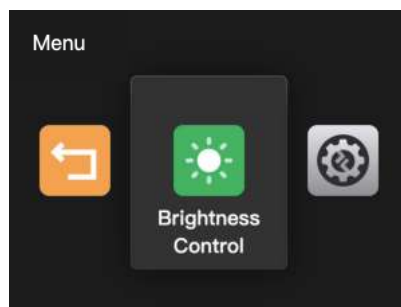


- Click **Yes**.

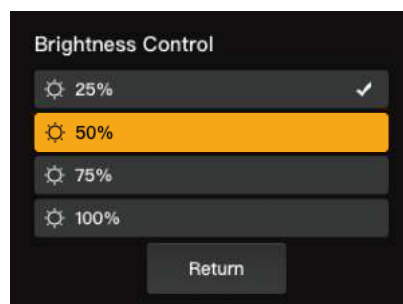


## 1.4.3 Adjusting the Brightness

- Long press the menu button to enter the menu, and choose **Brightness Control**.



- Four levels are available to adjust the brightness of all Tally lights.

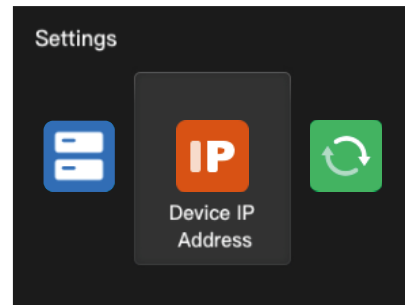
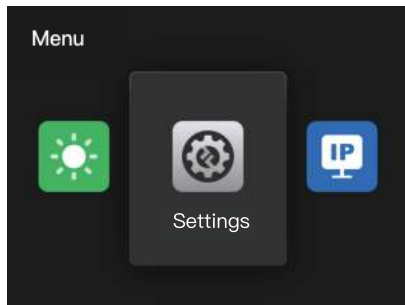


Note: Brightness adjustment on the side of the Tally light will not affect brightness settings on the side of the Tally box.

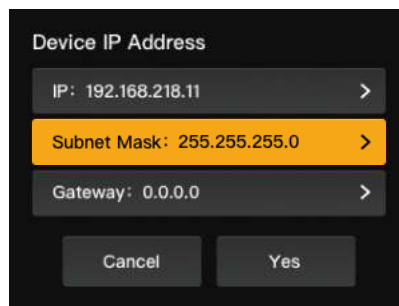
# Tally Box Introduction

## 1.4.4 Device IP Address

- Long press the menu button to enter the menu, choose **Settings**, and then select **Device IP Address**.



- The Tally box supports manual configuration of the IP address, subnet mask, and gateway.

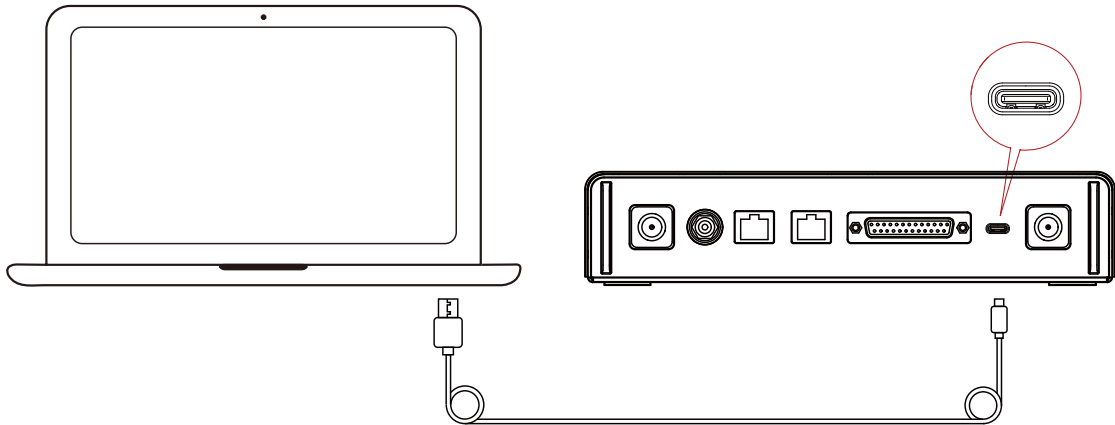


Note: When configuring the IP address through **Switcher IP Address**, the IP of the Tally box will automatically change to the same as the switcher.

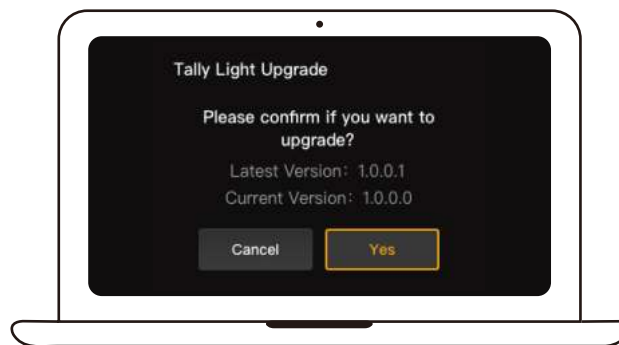
## 1.4.5 Upgrading the Tally Box

- Download the firmware upgrade program and new firmware to your computer, and then open the program.
- Connect the box and computer through a USB-A to USB-C cable. Wait for the firmware upgrade program to detect the connection.

# Tally Box Introduction



- Click **Yes** to start the upgrade process. Do not turn off the Tally box or unplug the cable during the process to avoid upgrade failures.



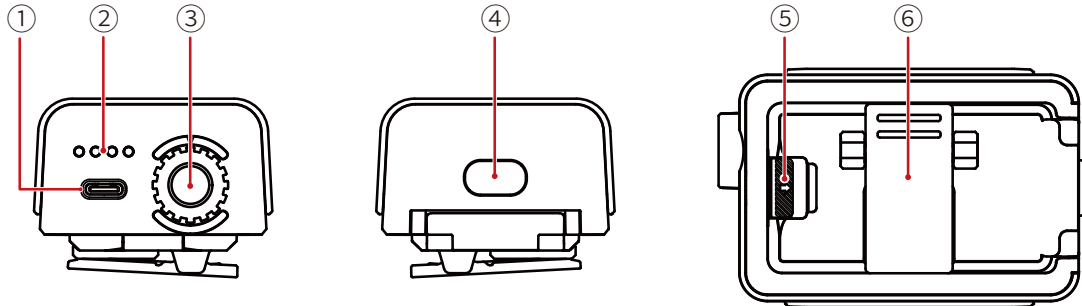
- After the upgrade process is completed, the program and box will display "Tally Upgrade Successful", and then you can unplug the cable.



Note: The firmware installation file for the Tally box can be obtained from Hollyland's technical support or official website.

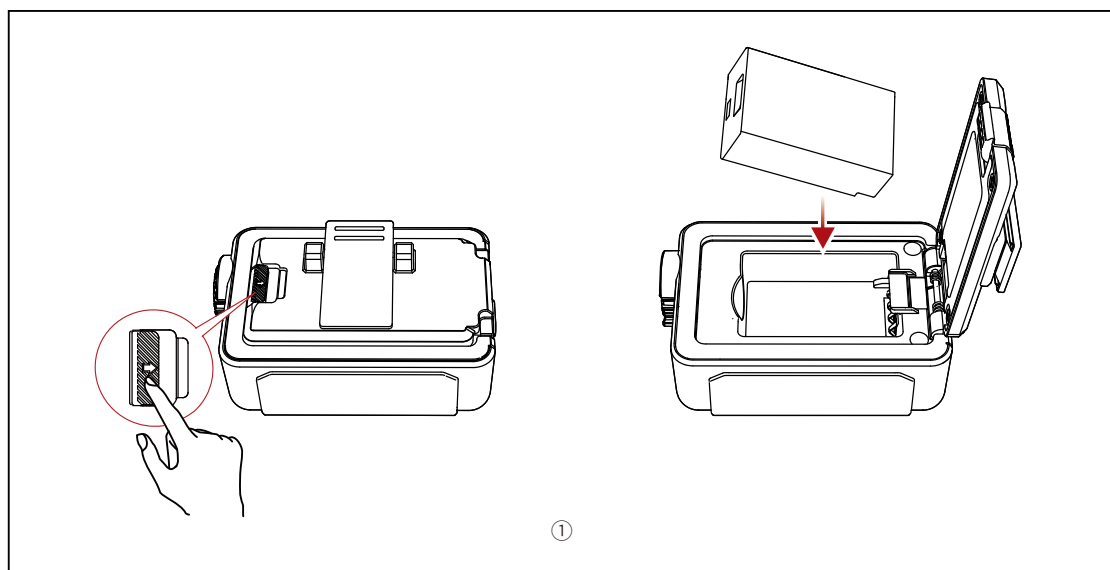
# Tally Light Introduction

## 2.1 Overview



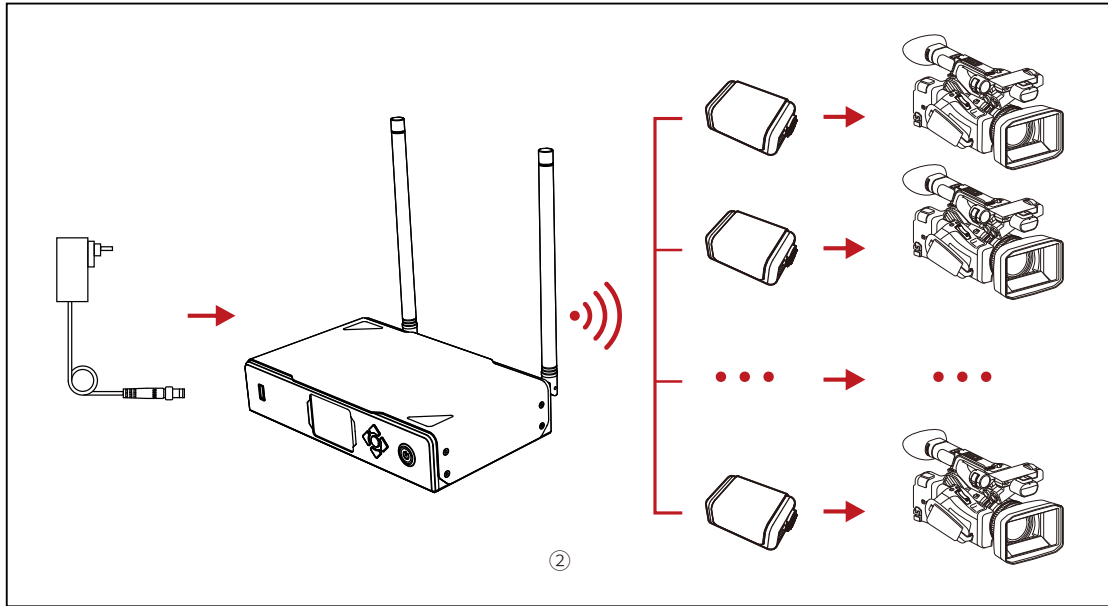
- ① USB-C Port (for charging, upgrading and pairing)
- ② Battery Level LED
- ③ Tally Light Number Control Dial
- ④ Power Button (press and hold for 3s to power on/off; double press after startup to adjust Tally light brightness)
- ⑤ Battery Compartment Switch
- ⑥ Back Clip

## 2.2 Installing the Tally Light

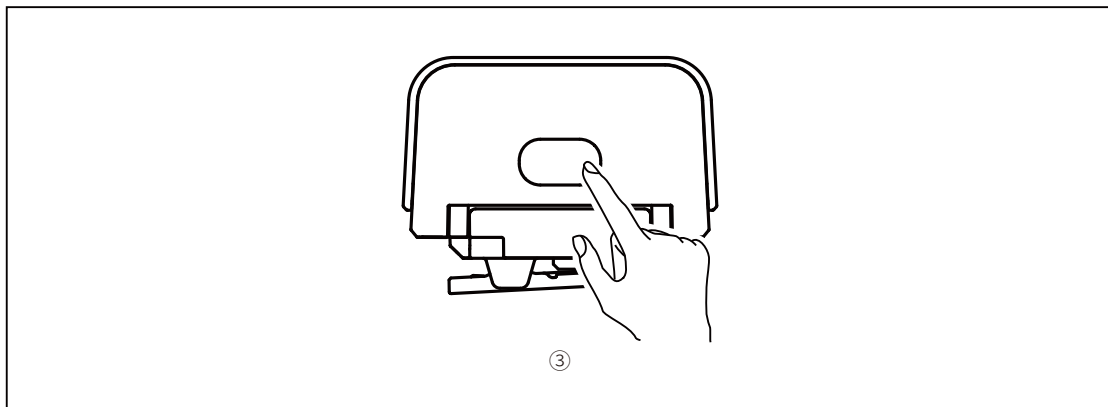


- ① Install the battery.

# Tally Light Introduction



② Install the Tally light on the shooting device as shown in the diagram.



③ Press the power button for 3 seconds to turn on the Tally light.

# Tally Light Introduction

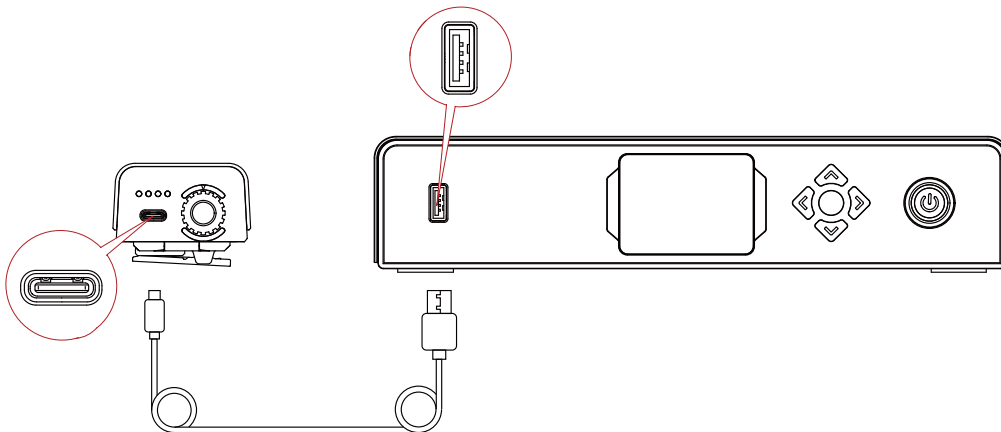
## 2.3 Operations

### 2.3.1 Tally Light Colors

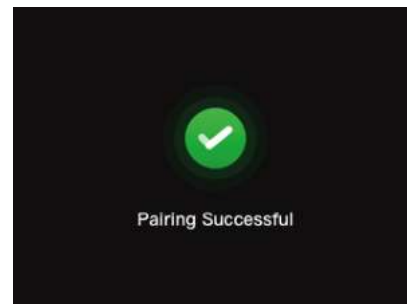
|             |           |   |
|-------------|-----------|---|
| Solid       | Colorless | Non-PGM/PVW   |
|             | Red       | PGM   |
|             | Green     | PVW   |
| Quick Flash | Green     | Tally light upgrading   |
| Slow Flash  | Yellow    | Tally light not connected, and brightness adjusted to the first level |

### 2.3.2 Pairing the Tally Light

- Use a USB-C to USB-A cable to connect the Tally light to the Tally box.



- Wait for the Tally box to display the pairing interface, and then click **Yes**.

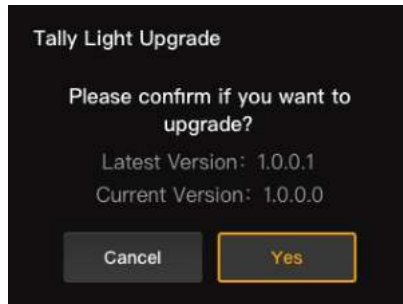


Note: After pairing, you still need to manually select the number by rotating the number control dial.

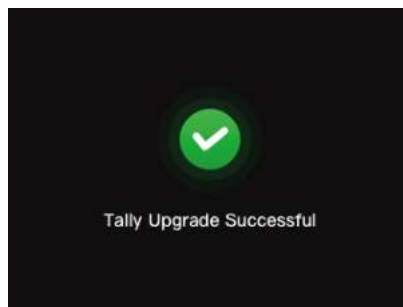
# Tally Light Introduction

## 2.3.3 Upgrading the Tally Light

- Use a USB-C to USB-A cable to connect the Tally light to the Tally box. Wait for the Tally box to display the upgrade interface.
- Click **Yes** to start the upgrade process. Do not turn off the Tally box or Tally light or unplug the USB cable during the process to avoid upgrade failures.



- During the upgrade process, the Tally light will flash green fast until the upgrade is completed.
- After the upgrade process is completed, the Tally box will display "Tally Upgrade Successful", and the Tally light will return to its former working state after a solid green light for 3 seconds.



Note: Before upgrading the Tally light, ensure the Tally box has been upgraded.



# Compatibility List

| Brand      | Model                           | Cable                        | No. |
|------------|---------------------------------|------------------------------|-----|
| Datavideo  | SE2800                          | DB25 Male to DB25 Male       | ②   |
|            | HS1200                          | DB25 Male to HDB15 Female    | ⑤   |
| Panasonic  | AV-HS6000MC                     | DB25 Male to DB25 Male       | ②   |
|            | AV-HS410MC                      | DB25 Male to Dual DB15 Male  | ⑥   |
| Sony       | MCX-500                         | DB25 Male to DB9 Female      | ③   |
| BMD        | ATEM Mini Pro                   | Ethernet Cable               | ①   |
|            | ATEM Mini Extreme ISO           | Ethernet Cable               | ①   |
|            | ATEM 1 M/E Constellation HD     | Ethernet Cable               | ①   |
|            | ATEM Television Studio Pro 4K   | Ethernet Cable               | ①   |
|            | ATEM 1 M/E Production Studio 8K | Ethernet Cable               | ①   |
| Roland     | Roland V-60HD                   | DB25 Male to DB25 Male       | ②   |
|            | Roland V-600UHD                 | DB25 Male to DB25 Male       | ②   |
|            | Roland V-800HD                  | DB25 Male to Dual HDB15 Male | ⑦   |
|            | Roland V-1200HD                 | DB25 Male to DB25 Male       | ②   |
| vMix       | vMix                            | Ethernet Cable               | ①   |
| DeviceWell | DeviceWell HDS7305              | DB25 Male to HDB15 Male      | ④   |

## Cable

- ① CAT5 Cable
- ② Tally Cable (DB25 Male to DB25 Male)
- ③ Tally Cable (DB25 Male to DB9 Female)
- ④ Tally Cable (DB25 Male to HDB15 Male)
- ⑤ Tally Cable (DB25 Male to HDB15 Female)
- ⑥ Tally Cable (DB25 Male to Dual DB15 Male)
- ⑦ Tally Cable (DB25 Male to Dual HDB15 Male)

# Specifications


|                           | Tally Light  | Tally Box              |
|---------------------------|--|------------------------|
| LOS Range                 | 2,625ft (800m)   |                        |
| Operating Frequency       | 2.4 GHz  |                        |
| Modulation Mode           | LORA   |                        |
| Receiver Sensitivity      | < -115 dBm   |                        |
| Latency                   | < 150ms  |                        |
| Battery Life              | > 8 hours  |                        |
| Dimensions<br>(L × W × H) | 77.8 × 50.5 × 37.4mm   | 142.5 × 232.8 × 50.1mm |
| Weight                    | ≈ 85g  | ≈ 1,262g               |
| Temperature               | Working: 32°F to 113°F (0°C to 45°C )<br>Storage: 14°F to 140°F (-10°C to 60°C ) |                        |

# Disclaimer

## Support

If you encounter any problems in using the product or need any help, please contact the Hollyland Support Team via the following ways:

 Hollyland User Group

 HollylandTech

 HollylandTech

 HollylandTech

 support@hollyland.com

 www.hollyland.com

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**Manufacturer:** Shenzhen Hollyland Technology Co., Ltd.

**Address:** 8F, 5D Building, Skyworth Innovation Valley, Tangtou Road, Shiyan Street, Baoan District, Shenzhen, 518108, China

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