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SYNCO CE3-1T4R

SYNCO Wireless Tally Light Camera Eye CE3 System (4 Tally Lights) User Manual

Model: CE3-1T4R

1. INTRODUCTION

The SYNCO Wireless Tally Light Camera Eye CE3 System is designed for professional studio and live production environments. This system provides clear visual cues for camera operators and talent, indicating which camera is live (red light) or on standby (green light). Utilizing 2.4G LoRa wireless transmission, it offers extended range and reliable performance. The system is compatible with vMix software, allowing control of up to 32 dual-color indicator lights.



Image: Overview of the SYNCO CE3 Wireless Tally Light System components.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, contact your retailer.

- Tally Light x 4
- Transmitter x 1
- Charging Cable x 2
- Carrying Case x 1
- User Card x 1 (includes E-Manual Download and Warranty Service information)
- Battery x 4 (for Tally Lights)
- Charging Station x 2 (for Tally Light batteries)
- Transmitter Antenna x 1
- Transmitter Connector x 1 (USB dongle)

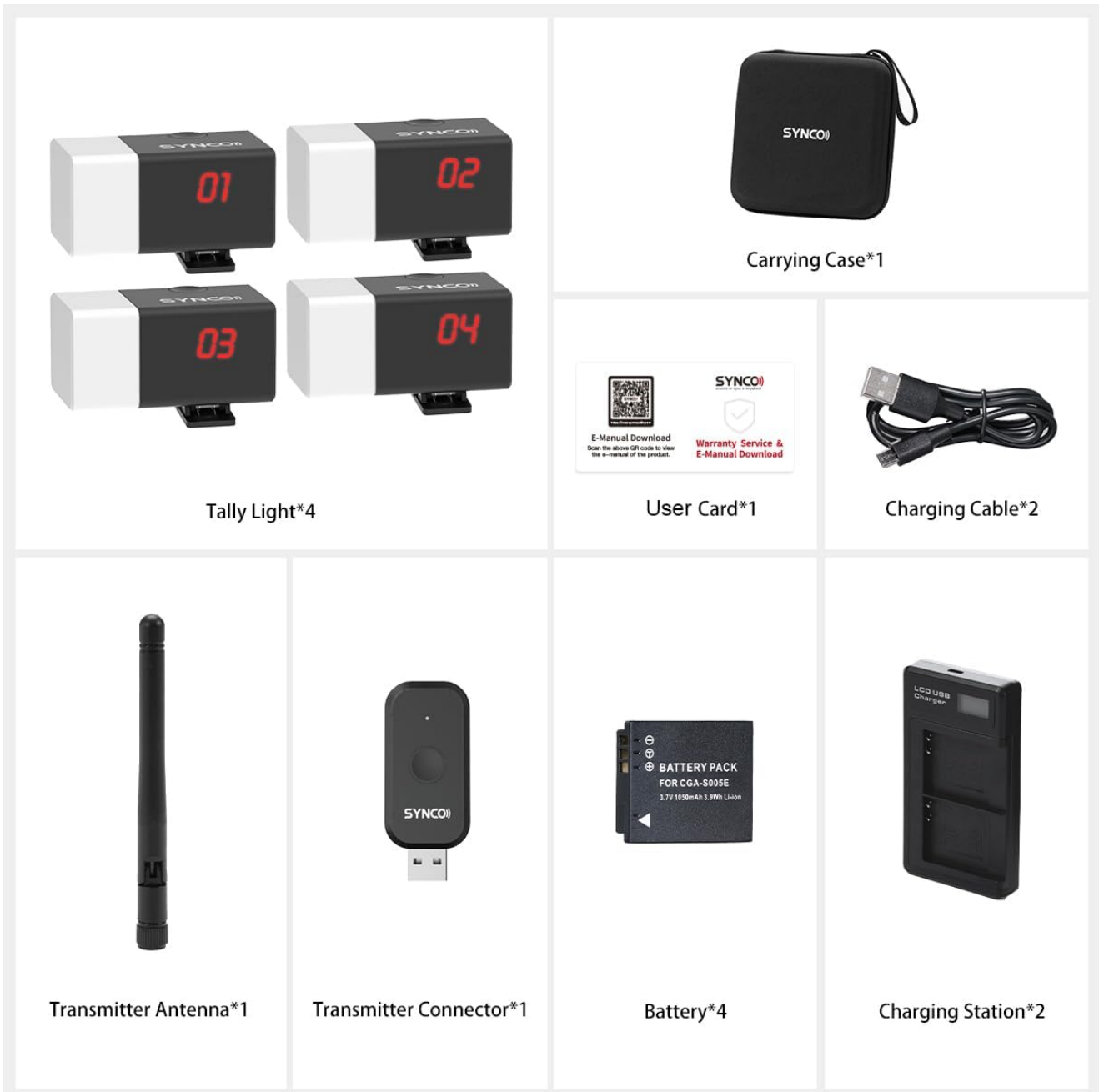


Image: Visual representation of the SYNCO CE3 4-Light System package contents, including tally lights, transmitter, cables, and case.

4-Light PACKING LIST

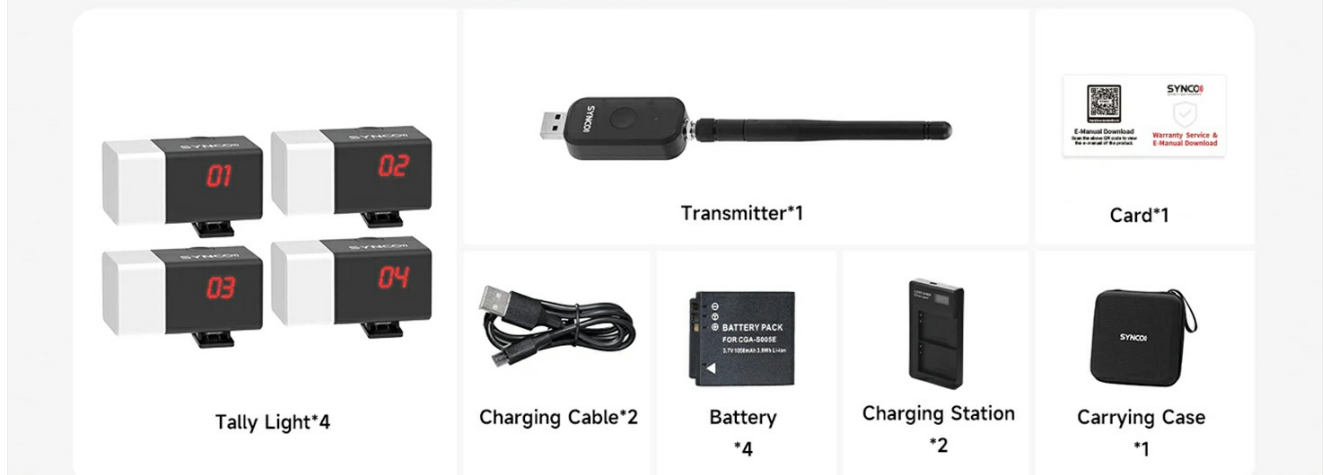


Image: Detailed view of the 4-Light packing list, showing each item clearly labeled.

3. PRODUCT OVERVIEW

3.1 Tally Light Unit

Each tally light unit features a compact design with a clear display for camera numbering and a dial for easy setting. It indicates camera status with dual-color (red/green) illumination.



Image: A single SYNCO CE3 Tally Light unit, showing its compact form factor and illuminated display.

3.2 Transmitter Unit

The transmitter is a lightweight USB dongle with an attachable antenna, connecting to your computer for wireless control of the tally lights. It facilitates the 2.4G LoRa wireless communication.

1-Transmitter PACKING LIST



Transmitter*1



Card*1

Image: The SYNCO CE3 Transmitter unit with its antenna, designed for USB connection.

4. SETUP INSTRUCTIONS

1. **Charge Batteries:** Fully charge all four tally light batteries using the provided charging cables and charging stations. The batteries provide up to 10 hours of operation.
2. **Insert Batteries:** Insert the charged batteries into each tally light unit.
3. **Attach Tally Lights:** Mount each tally light onto the hot shoe or cold shoe of its respective camera.
4. **Connect Transmitter:** Plug the transmitter USB dongle into an available USB port on your computer. Attach the antenna to the transmitter.
5. **Install Software:** Ensure vMix software (or compatible IP remote control software) is installed on your computer.
6. **Configure Tally Lights:** Use the dial on each tally light to set its unique camera number (e.g., 01, 02, 03, 04).
7. **Pairing:** The system typically pairs automatically. If issues arise, refer to the vMix compatibility section for specific pairing instructions within the software.



Image: A SYNCO CE3 Tally Light unit mounted on a camera, ready for operation.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Power On/Off:** Press and hold the power button on each tally light to turn it on or off.
- **Status Indication:**
 - **Red Light:** Indicates the camera is currently live (on-air).
 - **Green Light:** Indicates the camera is on standby or preview.
- **Camera Numbering:** Rotate the dial on the side of the tally light to set the desired camera number (01-32).

5.2 vMix Compatibility

The SYNCO CE3 system is fully compatible with vMix software, allowing seamless integration into your live production workflow. The transmitter connects to your computer, and vMix controls the tally status of each light based on your program and preview outputs.

- **Software Configuration:** Within vMix, navigate to the settings for external controllers or tally output. Configure the system to recognize the SYNCO CE3 transmitter.
- **Assign Tally IDs:** Assign the corresponding camera numbers in vMix to match the numbers set on your physical tally lights.
- **Real-time Control:** As you switch between cameras in vMix, the tally lights will automatically update to show red for the live camera and green for the preview camera.

SYNCO



vMix Compatible *Control 32 Dual-color Indicator Lights*

Compatible with the vMix protocol, supporting up to 32 dual-color indicators to meet the demands of multi-camera systems

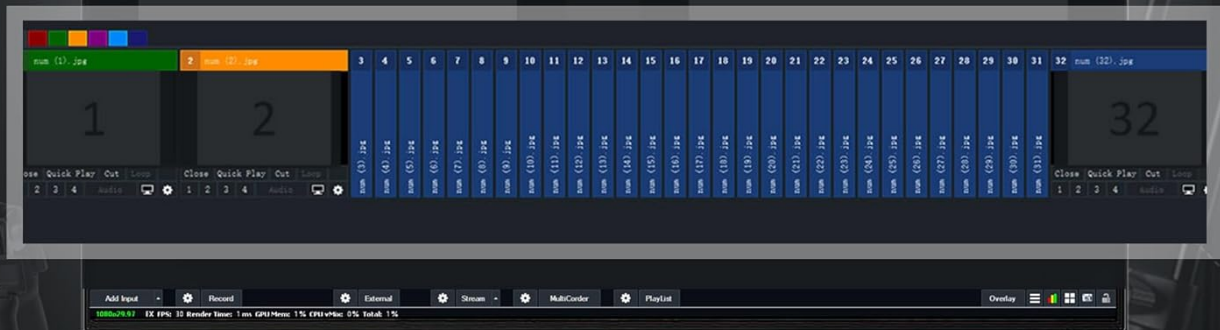


Image: Screenshot of the vMix software interface demonstrating control over multiple dual-color indicator lights.

6. KEY FEATURES

- **Extended Wireless Transmission:** The system utilizes 2.4G LoRa wireless technology, providing an ultra-long transmission distance of up to 1000 meters (3280 feet). This ensures stable performance even in high-interference environments.

SYNCO

Distance Worries Gone Perfectly Control Every Moment

2.4G LoRa wireless transmission protocol with automatic frequency hopping for stable performance in high-interference environments and transmission of up to 1000 meters

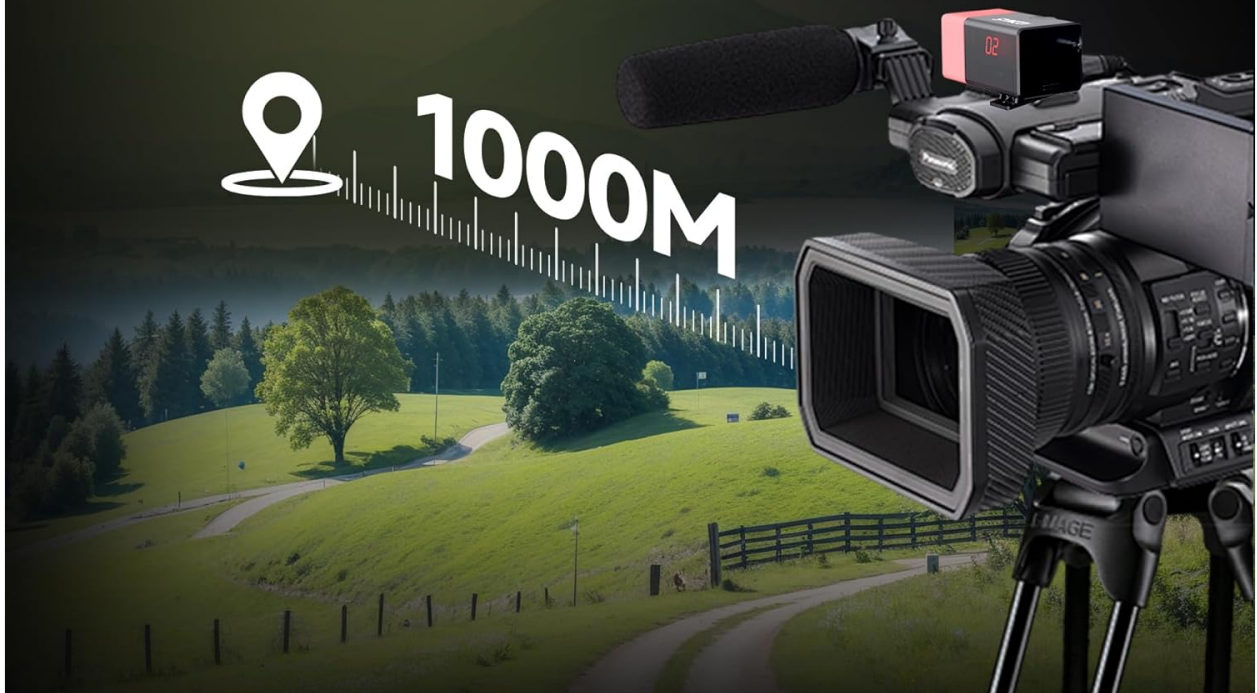


Image: Illustration depicting the 1000-meter wireless transmission capability of the SYNCO CE3 system.

- **IP Remote Control:** The CE3 system supports IP remote connectivity, enabling efficient management of shoots and events. It allows control from a main venue or sub-venues in real-time, facilitating quick adjustments for consistency and smooth operation.

SYNCO

IP Remote Control for More Efficient Management

CE3 enables IP remote connectivity for more efficient management of shoots and events. Available to control the main venue or sub-venues in real time, and quickly adjust settings to ensure consistency and smooth operation.



Image: Global map illustration showing IP remote control capabilities for managing multiple tally lights from a central computer.

- **Lightweight and Portable Design:** Both the tally lights and the transmitter are designed to be compact and lightweight, making the system easy to install, transport, and deploy in various shooting locations.

SYNCO

Efficient Shooting Anytime Anywhere

Easy to install and transport



Image: Demonstrates the compact size of the tally light with its numbering dial and the portable USB transmitter.

- **Long-Lasting Battery Life:** Each tally light is equipped with a detachable 1000mAh battery, providing up to 10 hours of continuous operation. This minimizes the need for frequent recharges during extended productions.

10-Hour Long-Lasting Battery Life

Ensures you won't need frequent recharges during extended shoots



Image: Visual representation of the tally light's detachable battery and its 10-hour operational capacity.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the tally lights and transmitter. Avoid using liquid cleaners or solvents.
- **Battery Care:**
 - Fully charge batteries before first use.
 - Store batteries in a cool, dry place when not in use.
 - Avoid overcharging or completely draining the batteries to prolong their lifespan.
- **Storage:** Store the system components in the provided carrying case to protect them from dust and physical damage.
- **Environmental Conditions:** Avoid exposing the devices to extreme temperatures, humidity, or direct sunlight. The system is not water resistant.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tally light not turning on.	Battery is drained or not inserted correctly.	Ensure battery is fully charged and properly inserted.
Tally lights not responding to vMix.	Transmitter not connected, software not configured, or out of range.	<ul style="list-style-type: none"> Verify the transmitter is securely plugged into the computer. Check vMix settings for proper tally output configuration and camera ID assignments. Ensure tally lights are within the 1000m transmission range. Restart vMix and the tally lights.
Intermittent signal or flickering lights.	Interference, low battery, or excessive distance.	<ul style="list-style-type: none"> Relocate the transmitter to a clearer line of sight. Ensure batteries are fully charged. Reduce the distance between the transmitter and tally lights. Avoid strong electromagnetic interference sources.
Incorrect camera number displayed.	Dial setting is incorrect.	Rotate the dial on the tally light to the correct camera number.

9. SPECIFICATIONS

Feature	Detail
Brand	SYNCO
Model Name	SYNCO CE3
Connectivity Technology	2.4G LoRa Wireless (Note: Product specifications mention Bluetooth, but feature bullets and product title emphasize 2.4G LoRa. Prioritizing LoRa as it's a key selling point and likely the primary connection for tally functionality.)
Wireless Transmission Range	Up to 1000 meters (3280 feet)
Battery Life (Tally Light)	10 Hours (1000mAh detachable battery)
Flash Modes Description	Constant illumination (Red for Live, Green for Preview)
Water Resistance Level	Not Water Resistant
Compatible Devices	vMix software
Max Tally Lights Controlled	32 Dual-Color Indicator Lights
Manufacturer Part Number	Synco Tally CE3 001

10. WARRANTY AND SUPPORT

The SYNCO Wireless Tally Light Camera Eye CE3 System comes with a **one-year warranty from the manufacturer**. For warranty claims, technical support, or service inquiries, please refer to the contact information provided on the User Card included in your package or visit the official SYNCO website. Please retain your proof of purchase for warranty validation.