

LightingWill

# User Manual

Model: HK-CST2

LightingWill Sync Box Kit

# What You Get



LED Sync  
TV Backlight\*1



HDMI Sync Box \*1



Power Adapter\*1



L-shaped buckle\*3



I-shaped buckle\*15



Type-C Extension  
Cable\*1



HDMI Cable\*1

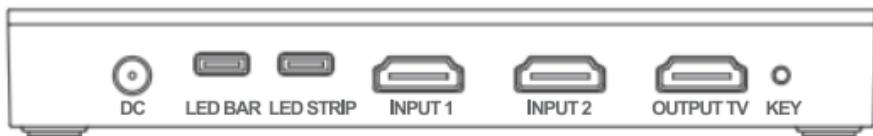


APP Instruction\*1



Instructions\*1

# LightingWill HDMI Sync Box



**DC:** Provides power to the HDMI Sync box.

**LED BAR:** Connects to LED Bar via Type-C.

**LED STRIP:** Connects LED strip for synchronized lighting.

**INPUT1 & INPUT2:** Receive video from an external HDMI source.

**OUTPUT TV:** Connects video and audio to TV.

**KEY(Reset):** Press and hold for 5 seconds to restore factory settings.



Wi-Fi connection status.

1&2 Connection status of HDMI1 and HDMI2.

Lighting effect synchronized with audio (Via APP).

LED strips synchronized with the video.

Lights working status of other connections.

Short press to turn on, long press (3s) to turn off.

Click to switch between INPUT1 and INPUT2.

# HDMI Sync Specifications

<b>Main Material</b>	Flame-retardant ABS
<b>Box Dimensions</b>	150mm (L) × 84mm (W) × 20mm (H)
<b>Input</b>	AC 100V-240V, 50/60Hz
<b>Output</b>	DC 12V-2A
<b>Weight</b>	125g
<b>Power Consumption</b>	24W Max
<b>Box Signal Input</b>	HD 2.0b, 4K and below
<b>Box Signal Output</b>	60Hz & HDR
<b>Wi-Fi Connectivity</b>	2.4GHz
<b>TV Screen Aspect Ratio</b>	Default is 16:9 (Other ratios can be set in APP)
<b>Control Method</b>	Buttons or LightingWill APP
<b>Voice Control</b>	Alexa / Google Assistant

## Note:

The following three images show size references for TV light strips in 9.8 ft (3 m), 12.4 ft (3.8 m), and 16.4 ft (5 m) when mounted on a TV, helping you easily visualize their placement. (Images are for reference only—please adjust according to your TV's actual size)

3M/9.8ft

37.8in / 96cm

21.26in / 54cm

3.8M/12.4ft

48.03in / 122cm

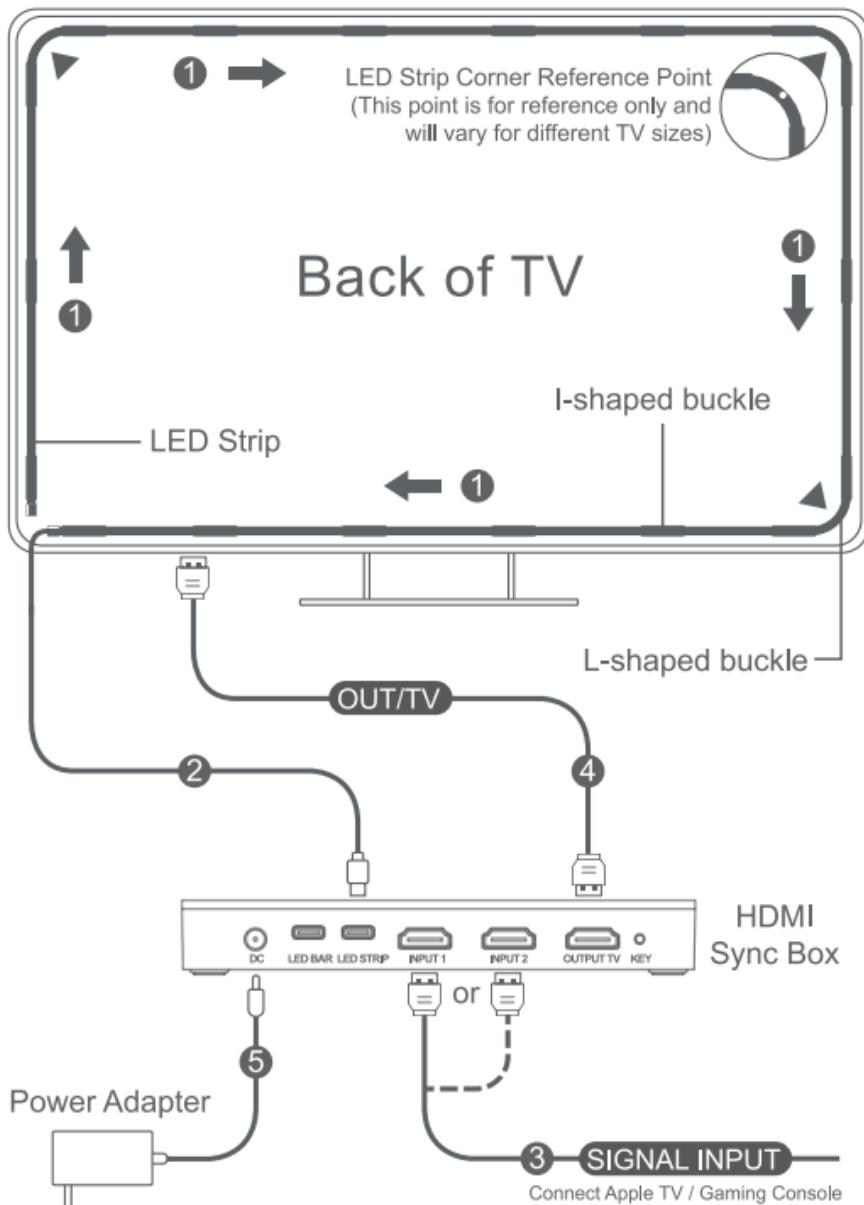
26.77in / 68cm

5M/16.4ft

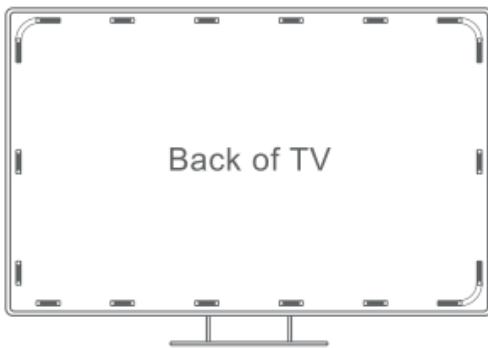
62.99in / 160cm

35.43in / 90cm

# Installation illustration



- ① Confirm TV Dimensions and LED Strip Placement: Wipe the back of the TV with a dry cloth to remove dust. Refer to the installation guide to position the LED strip, ensuring it is 2-3 centimeters away from the edge of the TV, and pay attention to the reference points at the corners of the strip.
- ② Attach the I-shaped buckles (4 on top, 5 on the bottom, 2 on the left, and 1 on the right) and L-shaped buckles (1 on the left and 2 on the right) to the LED strip. Insert them into the slots on the strip and adjust as needed. Secure the L-shaped buckles to the TV, remove the strip, stick the I-shaped buckles along the L-shaped line, then reinstall the strip from the bottom left corner clockwise.



- ③ Attach the LED Strip: Start from the input end (connected to the Type-C cable) and insert the LED strip into the designated clips, aligning it along the bottom left corner of the TV, and install it clockwise. Press gently to secure.
- ④ Connect the Controller and Power Supply: After attaching the LED strip, connect the controller to the LED strip and plug in the power supply to complete the installation.

- ⑤ Connect to the Sync Box: Plug the LED strip into the "LED Strip" Type-C port on the sync box.
- ⑥ Connect to Signal and Display: Use an HDMI cable to connect your signal source (e.g., Apple TV) to the "Input" port on the sync box, and connect your TV or monitor to the "Output" port using another HDMI cable.
- ⑦ Power On and Enjoy: Plug in the power adapter to turn on the sync box. It features plug-and-play functionality, so no app is needed for basic operation.  
(For advanced features, use the app)

**Note:**

1. When powered on for the first time, the LED strip will light up sequentially from start to end. The HDMI sync box will automatically detect the number of IC chips in the strip and set the aspect ratio to 16:9—no manual adjustment needed.
2. The HDMI sync box has a memory function. After being powered off, it will retain the previous settings until changed.

## Customer Service

-  Warranty: 12-Month Limited Warranty
-  Support: Lifetime Technical Support
-  Email: [info@lightingwill.com](mailto:info@lightingwill.com)
-  Official Website: [www.lightingwill.com](http://www.lightingwill.com)

## **FCC Caution:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**\*RF warning for Mobile device:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.