

TESmert TESmart

User 3x1 HDMI Switch
5x1 HDMI Switch
Manual HDR 4K CEC

HSW0301A1U & HSW0501A1U

English



English



Preface

It's our great honor that you have chosen the HDMI switch produced by our company, Tesla Elec Technology Co.,Ltd. In this user guide, you will learn how to operate and use this product. Please read this user guide comprehensively before use. If you have any questions, comments or suggestions, you can contact us via the following email: tech@tesmart.com.

Copyright Notice

The user guide, compiled by Shenzhen Tesla Elec Technology, shall not be duplicated or translated by any person or organizations without written permission. This user guide shall not be used for commodity transaction in any form or by any means (electronically, mechanically, photocopying or recording, etc.) or be used for any business practices or profitable activities. The ownership of the trade names and brand names adopted in this user guide belongs to their companies.

Address of Manufacture

Tesla Elec Technology Co.,Ltd
2F, Building C, Xingzhisheng Industrial Park, No.12,
Xiawei Industrial Zone, Zhangkengjing Road,
Guanlan Street,
Longhua District, Shenzhen City, Guangdong
Province, China

Contents

1. Features.....	01	5. Switch Modes Description.....	05
2. Packing List.....	02	5.1 Manual Switch Mode	
3. Panel Description.....	03	5.2 Auto Switch Mode	
3.1 Panel Description		6. CEC Function Description.....	09
(3X1 HDMI Switch)		7. IR Remote Control.....	10
3.2 Panel Description		8. Warranty Information.....	11
(5X1 HDMI Switch)			
4. Connection Description.....	04		
4.1 Connection Diagram			
(3X1 HDMI Switch)			
4.2 Connection Diagram			
(5X1 HDMI Switch)			
4.3 Connection Steps			

1. Features

- With 3/5 HDMI inputs and 1 HDMI output
- Support resolution up to 4K@60Hz 4:4:4
- HDCP 2.2 compliant
- Support auto input detection
- Switch between 3/5 inputs using front panel key and IR remote control
- All ports support CEC function (The connected HDMI devices also should support CEC)
- Support HDR10 and Dolby Vision

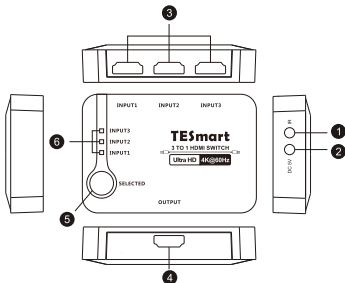
2. Packing List

- 1 * 3X1/5X1 HDMI Switch
- 1 * USB Power cable
- 1 * IR Receiver cable
- 1 * IR Remote control
- 1 * User manual

Tips: After received the product, please check the packing list carefully to make sure that no components have been lost and no damage to the product has been caused during transportation. If you have any problems, please contact with us.

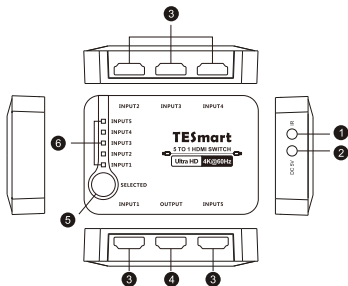
3. Panel Description

3.1 Panel Description (3x1 HDMI Switch)



ID	Name	Description
1	IR receiver	Receive IR signal, connect IR receiver extension cable to this port
2	DC 5V	5V DC power supply
3	HDMI inputs	Connect to HDMI source devices
4	HDMI output	Connect to HDMI display
5	Input selection button	Select input source
6	Input connection status	Indicate current selected input source

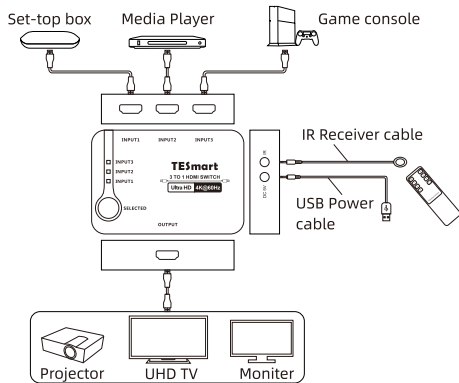
3.2 Panel Description (5x1 HDMI Switch)



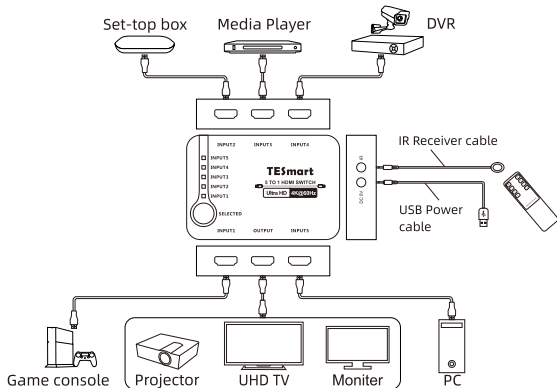
ID	Name	Description
1	IR receiver	Receive IR signal, connect IR receiver extension cable to this port
2	DC 5V	5V DC power supply
3	HDMI inputs	Connect to HDMI source devices
4	HDMI output	Connect to HDMI display
5	Input selection button	Select input source
6	Input connection status	Indicate current selected input source

4. Connection Description

4.1 Connection Diagram (3X1 HDMI Switch)



4.2 Connection Diagram (5X1 HDMI Switch)



4.3 Connection Steps

1. Connect the input device to the input ports using 3 or 5 HDMI cables.
2. Connect the switch to the display device using 1 HDMI cable.
3. Connect the USB power cable to the DC 5V port of the switcher for connecting to stable DC power supply.
4. When the switching function of the remote control should be used, the IR receiver cable should be accessed to the IR port.

Tips: 1. Since the default product package provides no power adapter, the switch can be powered either through connecting the USB cable provided with the package to the USB interface of the input device, or through connecting the USB power cable to a 5V 2A power adapter.

2. AAA batteries should be installed before the use of the remote control. Please refer to Chapter 7 in Page 10 for detailed information about how to use the remote control.

5. Switch Modes Description

5.1 Manual Switch Mode

Press the button 'Selected' until all of the indicators will flash three times, the switch enters manual mode.

In this mode, use panel button or IR remote control to switch input port.

5.2 Auto Switch Mode

Press the button 'Selected' until all of the indicators will flash once, the switch enters auto mode

In this mode:

1. When attaching a new input device to the switch, the HDMI switch will switch to this just plugged in source automatically.
2. When removing a connected input source, the HDMI switch will switch to the first valid input source automatically.
3. If the HDMI switch is connected to a non-signal input port, the HDMI switch will switch to the next valid port automatically in a few seconds.

Tips: Also you can use panel button or IR remote control to switch input port.

6. CEC Function Description

Consumer Electronics Control (CEC) is a feature of HDMI designed to control HDMI connected devices by using only one remote controller; so, individual CEC enabled devices can command and control each other without user intervention, for up to 15 devices.

If your input devices and output device support CEC command, you can use below function:

One Touch Play:

Allows devices to switch the TV to use it as the active source when playback starts.

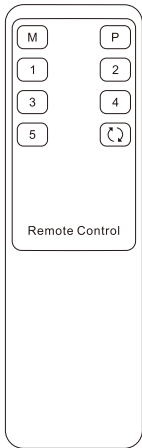
System Standby:

Enables users to switch multiple devices to standby mode with the press of one button.

Remote Control Pass Through:

Allows remote control commands to be passed through to other devices within the system.

7. IR Remote Control



- 1 - Switch to input port 1
- 2 - Switch to input port 2
- 3 - Switch to input port 3
- 4 - Switch to input port 4 (Only for 5 to 1 switch)
- 5 - Switch to input port 5 (Only for 5 to 1 switch)
- ↻ - Switch to next input port

- Tips:**
1. By default, the remote control is not equipped with batteries, due to the safety requirements of some express companies. Install AAA dry cells before use.
 2. Unspecified buttons at above are non-functional.

8. Warranty Information

We warrant that this product will be free of defects in material and workmanship for a period of one (1) year from the date of shipment.

If within the period of warranty this product proves defective under normal use, we will repair or replace this product, provided that the product has not been subjected to mechanical and electrical damage, or other abuse or modifications. If it fails under conditions other than those covered, its repair will be charged in accordance with the current price of parts and labor in effect at the time of repair. Such repairs are warranted for six (6) months from the day of reshipment to the buyer.

TESmert TESmart

To Enjoy Smart

HSW0301A1U & HSW0501A1U

Tesla Elec Technology Co.,Ltd

CE FC   **HDCP** **HDMI**

WEEE-Reg.-Nr. DE 66784279