

## 4-Port HDMI® Automatic Switch – 4K

VS421HD4KA

DE: Bedienungsanleitung - de.startech.com

FR: Guide de l'utilisateur - fr.startech.com

ES: Guía del usuario - es.startech.com

IT: Guida per l'uso - it.startech.com

NL: Gebruiksaanwijzing - nl.startech.com

PT: Guia do usuário - pt.startech.com

### Product overview

#### Front View



1. Input selection button
2. HDMI input port (in1)
3. Mode selection switch
4. IR sensor
5. LED Indicators

#### Rear View



1. Power adapter port
2. RJ-11 serial jack
3. EDID copy button
4. HDMI output port
5. HDMI input ports (in2, in3, in4)

### Packaging contents

- 1 x 4-port HDMI switch
- 1 x remote control
- 1 x universal power adapter (NA/EU/UK/AU)
- 1 x RJ11 cable
- 1 x RJ11 to DB-9 serial adapter
- 1 x mounting kit
- 1 x quick start guide

### System requirements

- 4 x HDMI enabled Video Source Device w/ HDMI cable (i.e. Blu-ray player, computer, etc.)
- 1 x HDMI enabled Display Device w/ cable (i.e. Television, projector, etc.)

Operating system requirements are subject to change. For the latest requirements, please visit [www.startech.com/VS421HD4KA](http://www.startech.com/VS421HD4KA).

### Installation

Note: Ensure your HDMI enabled video source devices, and the HDMI enabled display are powered off before you begin installation.

1. Connect an HDMI cable (not included) from each of the HDMI output ports on your HDMI source devices, to the HDMI input port on the HDMI switch.

**Notes:** Each port is numbered, please take note of which number is assigned to each HDMI source device.

2. Connect an HDMI cable (not included) from the output port on the HDMI Switch to your HDMI display device.
3. Power on your HDMI display, followed by each of your HDMI source devices.
4. Connect the included power adapter from an available power source to the power adapter port on the HDMI switch.
5. (Optional for serial control) Connect the included RJ11 cable to the RJ11 to DB-9 serial adapter. Then connect the D9 connector to a 9-pin serial port on your computer system.
6. Your HDMI switch is now ready for operation.

### Operation

#### Automatic operation

The HDMI switch features automatic operation that allows the switch to automatically select the most recently activated or connected HDMI source device.

Simply connect a new device or turn on an already connected device to automatically switch video sources.

#### Priority operation

The HDMI switch features priority operation which will prioritize ports 1, 2, 3 and 4 respectfully. When you turn on a higher prioritized video source device (i.e port-1 ), that video source will automatically be selected. Turning off the device will automatically switch back to the lower prioritized video source (i.e: port-4).

#### Manual operation

Manual mode enables you to switch between video sources with push button operation.

#### Manual operation with selection button

Press the input Selection button, on the front of the switch to toggle between each video source device.

The active port LED indicator will light as video sources are switched, indicating which port is selected.

#### Manual operation with remote control

Press buttons 1 through 4 on the remote control to switch between HDMI ports in1 to in4 respectively.

## Manual operation with serial control

1. Configure the settings on your serial port the below configuration:

Baud Rate: 38400 bps

Data Bits: 8

Parity: None

Stop Bits: 1

Flow Control: None

2. Open your terminal software to communicate through the serial port that the switch is connected to, and use the on-screen commands displayed to operate and configure your switch.

## LED Indicators

LED	Switch / Auto / Priority Modes Status
The selected LED emits green and goes off 3 times per 2 sec. The non-selected LED goes off.	The input video signal isn't ready.
The selected LED emits green and goes off once per 2 sec.	The input video signal is ready but cannot detect the monitor.
The selected LED emits steady green	The input video signal is ready and can detect the monitor.
The selected LED emits green with red flashing 3 times	The input video signal & monitor HDCP unmatched.

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ABC - HyperTerminal
File Edit View Call Transfer Help

Booting ..

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Digital Switch Splitter 4 x 1 (MIC30)
H/W version: 01 F/W version: 003-14
RC ID: none
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CE=n,a1,a2 - Copy EDID (Inventory) to all input ports
n: Method. a1,a2: Options
1. Copy from specified monitor a1
2. Copy from corresponding monitor (1 on 1)
3. Make 1024 x 768 EDID
4. Make 1280 x 800 EDID
5. Make 1280 x 1024 EDID
6. Make 1360 x 768 EDID
7. Make 1400 x 1050 EDID
8. Make 1440 x 900 EDID
9. Make 1600 x 900 EDID
10. Make 1600 x 1200 EDID
11. Make 1680 x 1050 EDID
12. Make 1920 x 1080 EDID
13. Make 1920 x 1200 EDID
14. Make 1920 x 1440 EDID
15. Make 2048 x 1152 EDID

when n = 1:
a1: monitor index (1^2), a2: not required
when n = 2:
a1,a2: not required
when n = 3^15:
a1: video options
1. DVI 2. HDMI(2D) 3. HDMI(3D)
a2: audio options
1. LPCM 2 ch 8. DTS 5.1 ch
2. LPCM 5.1 ch 9. DTS HD 5.1 ch
3. LPCM 7.1 ch 10. DTS HD 7.1 ch
4. Dolby AC3 5.1 ch 11. MPEG4 AAC 5.1 ch
5. Dolby TrueHD 5.1 ch 12. 5.1 ch combination
6. Dolby TrueHD 7.1 ch 13. 7.1 ch combination
7. Dolby E-AC3 7.1 ch

AVI=n - Select input port n as the source of all output ports
AVOEN=n - Enable output port n
n : 1 max - output port, * - All ports
AVODIS=n - Disable output port n
n : 1 max - output port, * - All ports
VS - View current settings
EQ=n - Set EQ level as n (1^8)
FACTORY - Reset as factory default setting
REBOOT - Reboot the device
More...
RCID=n - Set Remote Control ID as n
n: 0 - Reset as null (Always on)
1-16 - Valid ID
TI=n - Set terminal interface n: 0 - Human 167 - Machine
LCK=n - Lock / Unlock device n: 0 - Unlock 167 - Lock
000
>_
    
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### FCC Compliance Statement

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

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. Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

### Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.  
CAN ICES-3 (B)/NMB-3(B)

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