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SC T HS04 HDMI Repeater User Manual

HDMI Repeater
User Manual
Model: HS04
4 x 1 HDMI Switcher

Smart Cabling & Transmission Corp.
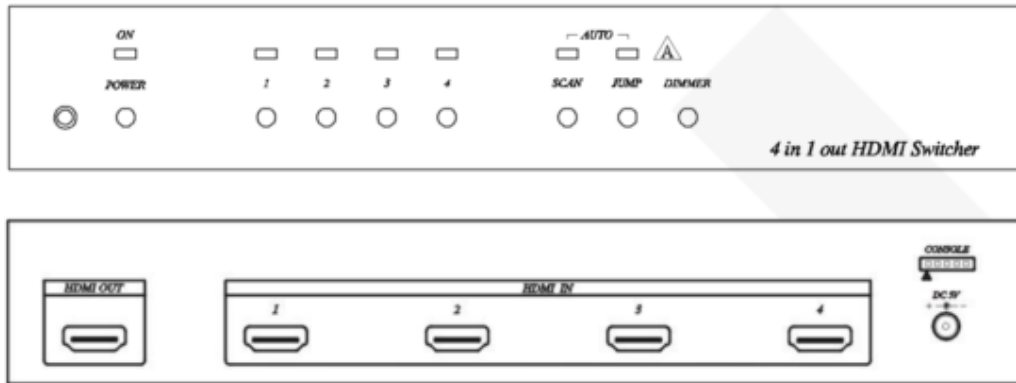
Contents

Introduction

HS04 is a 4-input HDMI automatic switcher that supports resolutions up to 1080p. The auto-scan function allows the switcher to switch to an available or last connected HDMI source automatically. It is a perfect solution for home theaters, security rooms, and so on — no hassles plug-ins for different HDMI devices anymore.

Features

- Resolution up to 1080p@60Hz.
- Supports auto-scan function, automatically switch to the next available input when the selected one is unable to display.
- Supports auto switching function, automatically switch to the last connected input source.
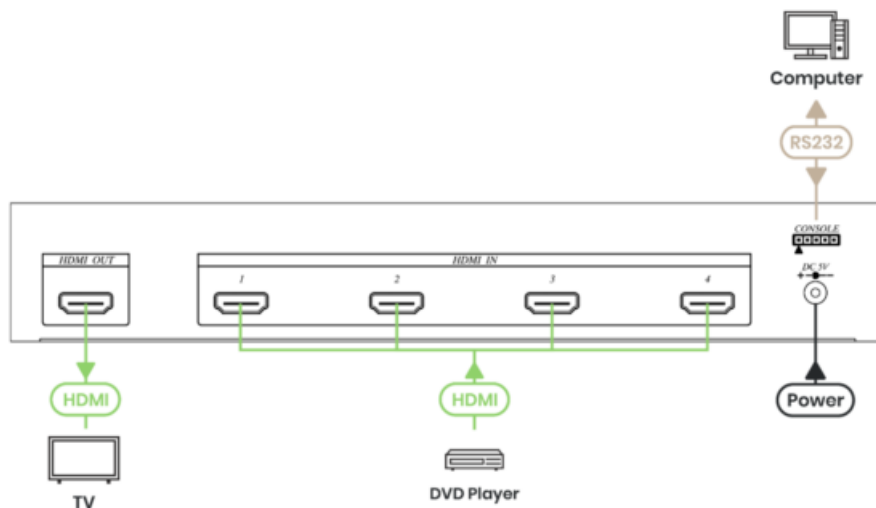- Managed via IR remote or front panel buttons.

Panel View

IR Remote Control Setting
This device could use IR remote control for function setting and control, The ID number must be set up before using IR remote control or changing new batteries.
Setup IR remote ID number: Press and hold the "Power Symbol" button and press number 0.

Installation View

Power	ON/OFF	The system activates/ standby.
	FLASH	Panel button or IR remote control disabled by remote PC.
AUTO-SCAN	ON/OFF	Auto-scan function activated/disabled.
AUTO JUMP	ON/OFF	Auto jump function activated/disabled.
1, 2, 3, 4	ON	Currently selected input signal channel.
	FLASH	No signal input.

Panel Button Function
Power: System activate/ standby.
AUTO SCAN: Auto scan function activated/disabled.
AUTO JUMP: Auto jump function activated/disabled.
DIMMER: LED brightness adjustment.
1, 2, 3, 4: Currently select input signal channel and disable auto-scan function.

Remote Control Operating A, B Mode Switching
There are two remote control operating modes: When this device is powered on, you could switch A, and B modes by pressing the panel "power" button and remote control " *" button together.
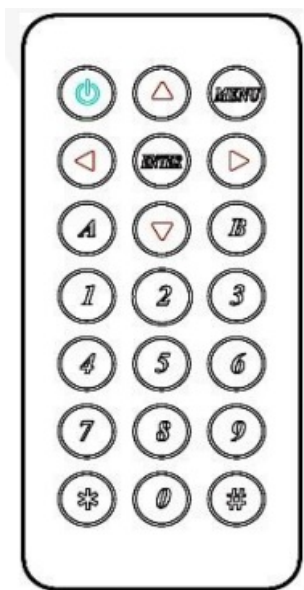Mode A operating mode: It comes with auto scan & auto jump functions.
Mode B operating mode: When auto scan & auto jump functions do need to use, which only needs a single button for quick operation on the AV switch.
Factory default is set to (Mode A).

IR remote control Mode A Operating

Power symbol	The system activates/standby.
▲	Select previously available input and activates the auto-scan function.
▼	Select the next available input and activates the auto-scan function.
◻	Select previous input and disable the auto-scan function.
◻	Select the next input and disable the auto-scan function.
1, 2, 3, 4 (5, 6, 7)	Currently, select input and disable the auto-scan function.
0	Auto jump function activated/disabled.
#	LED brightness adjustment.
MENU ENTER, *, (5, 6, 7), 8, 9	Reserved (no function).

IR remote control Mode B Operating

Power symbol	The system activates/standby.
▲	Select previous input and system activate.
▼	Select next input and system activate.
◄	Select previous input and system activate.
►	Select next input and system activate.
1, 2, 3, 4 (5, 6, 7)	Currently, select input and system activate.
#	LED brightness adjustment.
MENU, ENTER, , (5, 6, 7), 8, 9, 0	Reserved (no function).

Auto Scan Function

Under auto-scan operation, if the selected input video signal disappears over 0.5 seconds, it would automatically select the previous or next input with the video signal.

Auto Jump Function
Under auto jump operation, if there is a new video signal input, it will automatically switch to a new video signal input.

LED brightness setting
LED brightness could be set up at the following 4 levels:
1 Minimum Brightness
2 Normal Brightness
3 Maximum Brightness
4 Brightness auto change

Factory default is set to level 3.
Under Brightness auto-change mode, press any button or IR remote control, or video signal changed (video signal disappears or shows up), LED status will show the maximum brightness for up to 5 seconds then back to the minimum brightness.

Computer Remote Control Function
This console could use optional USB RS-232 and RS-485 terminal cables to connect with the computer, To use the terminal program for remote control operation, the communication format is 9600,8, N,1 (9600 Bps, 1 start bits, 8 data bits, 1 stop bit).
Under remote control operation, If it shows COMMAND , then it is "under command mode". It could easily be operated and set by entering the following commands in the chart.
Press Enter : if it shows OK! then the previous command is completed; showing ERROR! indicates the previous command is incorrect.

Command Mode Instruction

[COMMAND]	[DESCRIPTION]
n	Currently, select input and disable auto scan.
PRE	Select previously available input and activates auto scan.
NEXT	Select the next available input and activates auto scan.
SCAN y	Auto-scan function activated/disabled.
JUMP y	Auto jump function activated/disabled.
ACTIVATE	System activates.
STANDBY	System standby.
MODE x	Select operation mode A/B.
IR y	IR remote button lock/unlock.
KEY y	Panel button lock/unlock.
LED n	LED brightness adjustment.
SAVE	Save setting.
LOAD	Load setting.
KEYPAD	Keypad mode operation.
SIGNAL	Display input signal status.
STATUS	Display setting.
VERSION	Display firmware version.
?	Show all commands.

[SYMBOL]	[PARAMETER]
n	1 | 2 | 3 | 4
x	A | B
y	ON | OFF

Space characters between the command and parameters can be ignored.

Virtual Remote Control Mode

- Showing KEYPAD: when it is under virtual remote control mode, you could enter the following commands at the terminal to simulate the IR remote control operation.
- Press Enter : if it shows OK! then the previous command is completed; showing ERROR! indicates the previous command is incorrect.

System Activate Virtual Remote Control Mode A/B Operate description

MODE A:

[COMMAND]	[DESCRIPTION]
1 2 3 4	Currently, select input and disable auto scan.
–	Select previously available input and activates auto scan.
+	Select the next available input and activates auto scan.
L	Select previous input and disable auto scan.
R	Select next input and disable auto scan.
0	Auto jump function activated/disabled.
/	System activates/standby.
.	LED brightness adjustment.
Q	Command mode operation.
S	Display setting and input signal status.
?	Show all commands.

MODE B:

[COMMAND]	[DESCRIPTION]
1 2 3 4	Currently select input.
–	Select previous input.
+	Select next input.
L	Select previous input.
R	Select next input.
/	System activate/standby.
.	LED brightness adjustment.
Q	Command mode operation.
S	Display setting and input signal status.
?	Show all commands.

Remark
There are some DVD equipment still have +5V signal output under power off status, it will cause auto jump and auto scan function abnormal, please disable auto jump and auto scan function to avoid any abnormal operation.

Specification

ITEM NO.	HS04
Support	I
Compliance	HDM 1.3a, HDCP
Max. HDMI Resolution	1080p@60Hz 12bits
Video Bandwidth	2.25 Gbps
RS232 Baud Rate	9600 bps
IR Support	38Khz , ±45°, 5M
Ports & Interfaces	I
Video Input	4 x HDMI Type A
Video Output	1 x HDMI Type A
RS232 Interface (Console)	1 x DB9 Female
Power	v
Power Supply	DC 5V 1A
Power Consumption	300mA
Ambient Temperature	x
Operation	0 to 55°C
Storage	-20 to 85°C
Humidity	Up to 95%
Physical Characteristics	v
Dimensions	253 x 138.5 x 40mm
Weight	770g

Item NO.	RC01
Ambient Temperature	n
Storage	-20 to 85°C
Humidity	Up to 95%
Physical Characteristics	x
Dimensions	57.5 × 33.5 × 16.8mm

RoHS C€

Documents / Resources

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