

HDMI SWITCH WITH AUDIO EXTRACTOR USER MANUAL v1.0

SH-021CAK



Overview

The SH-021CAK is a high-performance HDMI switch equipment. It provides high-performance video up to Ultra HD/4K@60Hz resolution and extract HDMI IN audio into the 3.5mm phone jack (Analog R/L) and optical(digital).

Features

- Support resolution up to 4Kx2K@60Hz (4:4:4).
- Support HDR.
- HDCP 1.4/2.2 compliant.
- Supports RS232 and Remote control.
- Audio extractor supports analog stereo and digital (optical).
- Supports ARC extraction to stereo and optical output.
- Supports EDID management

Package Contents

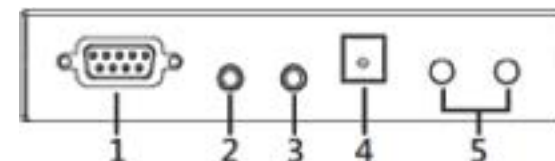
- 1 x SH-021CAK
- 1 x User manual
- 1 x Power adapter DC12V with lock
- 4 x Foot pads
- 1 x IR remote cable (SH-021CAK Optional)
- 1 x Remote control (SH-021CAK Optional)

Specifications

Function	SH-021CAK
HDMI Compliance	HDMI 2.0a
HDCP Compliance	1.4 / 2.2
Video Support	4K2K@60 (4:4:4 8bit / 4:2:0 12bit)
AUDIO Support	LPCM,Dolby TrueHD, Dolby Digital/Plus/EX,DTS,DTS-HD...
HDR support	Yes
ARC support	Yes
Input connector	2 x HDMI+1 x IR (3.5mm phone jack)
Output connector	1 x HDMI+1 x audio (3.5mm phone jack) + 1 x Optical
RS232 control	1 x DB9
SELECT KEY+Display LED	2
Operating Temperature	0° to 40°C (32~104°F)
Storage Temperature	-20°~60°C (-4~140°F)
Humidity	20 - 90% RH, Non-Condensing
Power Supply	12V/1A DC

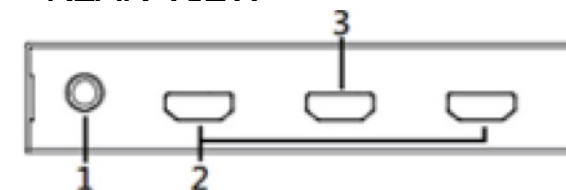
Weigh	305g
Dimensions (LxWxH)	124x83x25mm

FRONT VIEW



1. RS-232 Port
2. IR IN
3. Analog audio (3.5mm Phone jack) OUT
4. Digital (Optical) OUT
5. Select Key + Display LED
Green LED: HDMI IN Online
Red LED: Select port

REAR VIEW



1. DC 12V IN
2. HDMI INPUT
3. HDMI OUTPUT

SIDE VIEW



PIN1	PIN2	EDID MODE
OFF	OFF	COPY OUT
OFF	ON	Reserved
ON	OFF	AUDIO 2ch

ON	ON	AUDIO 5.1ch
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PIN3	OFF	ARC OFF
	ON	ARC ON

PIN4	OFF	UNLOCK FRONT PANEL
	ON	LOCK FRONT PANEL

PIN5	PIN6	SWITCH MODE
OFF	OFF	MAUNAL SELECT
OFF	ON	AUTO SKIP EMPTYINPUT
ON	OFF	AUTO SENSE
ON	ON	PORT 1 PRIORITY

RS232 Console Protocol

Baud Rate: 115200, n parity bit, 8 data bits, 1 stop bit

Ascii Base

Execute Command by '\r' (carriage return)

Command List

 [SH-021CAK Console Help]

help: Display help information
 reset: Reset the device
 info: Display device information
 status: Display device status

r: Set the routing status
 rs: Display device routing status
 edid: Display device input EDID information
 default: Reset to factory default settings

For more information, type '/h' or '?' after each command

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