USER MANUAL

MHL/HDMI Extend Switcher 3x1

（**Model No：HDSW0301M1**）

Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

The products are designed to make your A/V device use more convenient, comfortable, productive and cost-efficient.

The 3x1 device is a 3-Port MHL/HDMI Dual Mode Switcher. You can connect 2 HDMI/MHL source

devices to HDMI inputs and one MHL device (Mobile phone/Pad) to MHL input, and switches easily between the three MHL/HDMI sources. The switcher can also be placed at the end of a long HDMI cable to regenerate the HDMI signal.

Our devices offer solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.
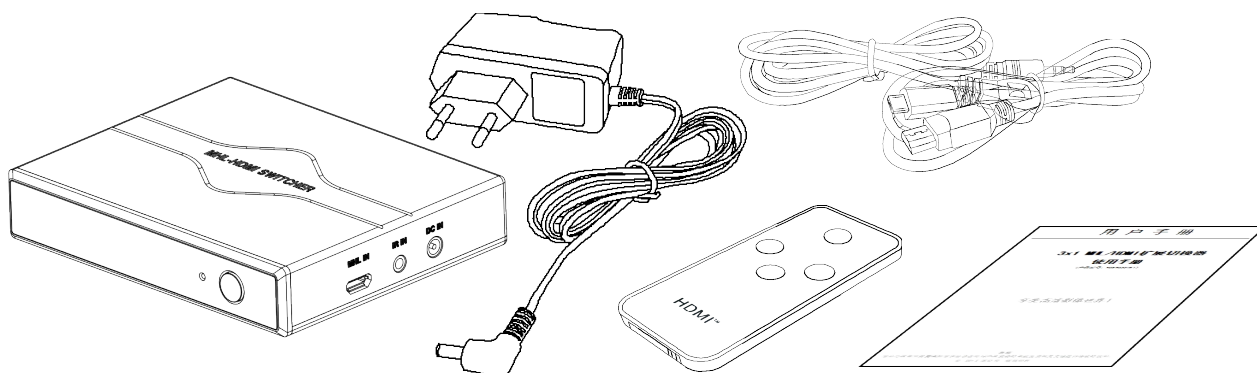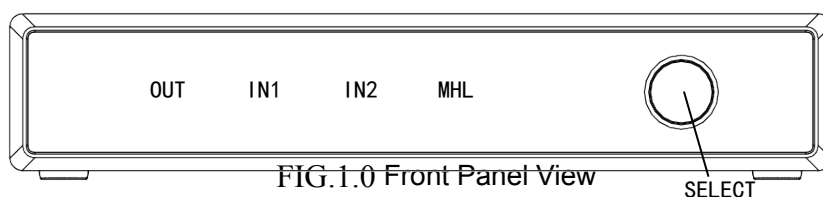
INTRODUCTION

FEATURES：

● Supports 1 MHL input port and 2 MHL/HDMI input ports working in dual mode and 1 HDMI output port
● Support 1080P/60Hz and deep color 30bit, 36bit,48bit
● HDMI V1.4 support 4Kx2K input and 3D
● Support Blue-Ray 24/50/60fs/HD-DVD/xvYCC
● Digital audio format, as DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
● Support signal retiming
● No loss of quality. Support input up to 15metres AWG26 HDMI standard cable length, output up to 20metres AWG26 cable length
● MHL to HDMI with RCP function. You can through the TV remote control mobile device and switcher.(Requests the mobile device to support RCP function)
● MHL/HDMI working in dual mode, can reduce the number of ports.
● Support external IR remote control
● Easy to Install
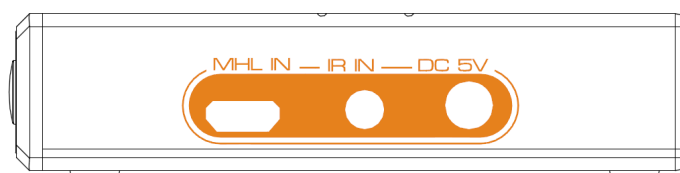● DC5V/2A power adapter

PACKAGE CONTENTS:

1. Main unit   1pcs
2. AC power adapter   1pcs
3. Remote   1pcs
4. External IR receiver 1pcs

5. MHL-MHL cable   1pcs
6. MHL-HDMI cable   1pcs（Options）
7. User manual   1pcs

FEATURES OF THE INTERFACE:

FIG.1.0 Front Panel View

OUT：HDMI output led status light

IN1～2：MHL/HDMI dual mode input led status light

MHL：MHL input led status light

SELECT：Source selection key

MHL IN：MHL input port

IR IN：External IR receiver jack

DC IN：5V DC in jack

FIG.1.2 Rear Panel View

MHL/HDMI IN1～2：MHL/HDMI dual mode input ports

HDMI OUT：HDMI output port

Power standby/Power on
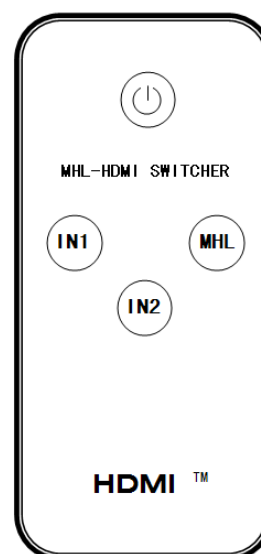
IN1：Select MHL/HDMI IN1 for the input port

IN2：Select MHL/HDMI IN2 for the input port

MHL：Select MHL IN for the input port

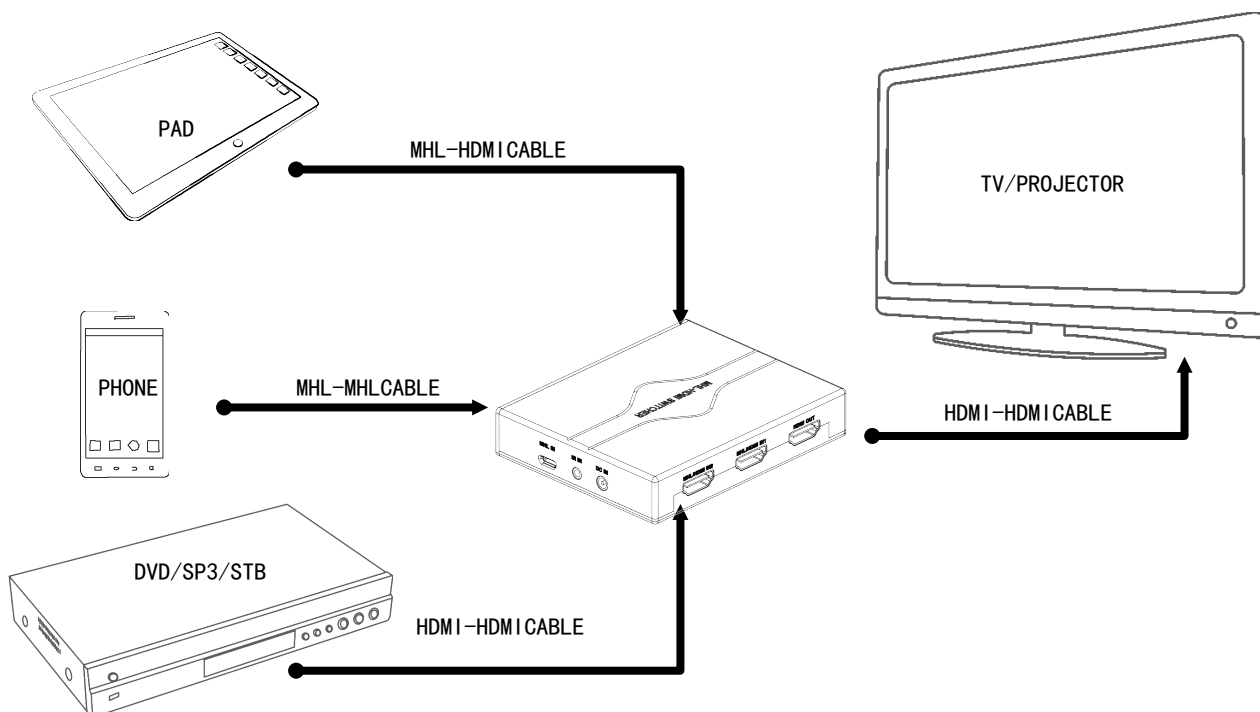(Note: Use after the battery separator film is pulled out)

FIG.1.3 Remote Panel View

OPERATIONG AND CONNECTION：

1. Connect one HDMI cable from HDMI source devices into switcher HDMI inputs, and connect one MHL cable from mobile devices into switcher MHL inputs.

2. Connect one cable from each display (monitor or projector) into the switcher HDMI output.

3. Insert the external IR receiver into the IR IN jack.

4. Connect 5V power supply to the switcher and inserted into the power socket.

5. Power on and use of select key or remote controller to select the input signal source.

6. After In the TV menu settings with the MHL DEVICE synchronization, you can through the TV remote controller to control mobile device and switch signal source channel selection. But **it** requests the TV that can support the CEC function and mobile device can support RCP function. For details, please with TV or mobile device manufacturers to confirm. For example, the following mobile phone has passed the factory test, can support high-definition output and RCP function.

HTC sensation(G14)	Samsung SII I9100
HTC sensation XE	Samsung I9108
HTC EVO 3D	Samsung Galaxy Note Phone
HTC One X	Samsung SIII
HTC Flyer	

SPECIFICATIONS: HDSW0301M1

HDMI STANDARD…………………………………………HDMI V1.4 support 4K*2K input and 3D

HDMI resolution ………………………………………24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i

Support video color format ……………………...…………….………24bit/deep color 30bit/36bit/48bit

Support audio format…………….……..……DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD

MHL pixel clock rate (24-bit mode) …………….…….……………..…75MHz （8bit 1080i/720P 60Hz）

MHL pixel clock rate (Packed Pixel mode) ……….……..….……150MHz （8bit 1080i 60Hz YCC422）

Max bandwidth…………….………….……………………….……….…………225MHz

Max baud rate……………………………………….……………….…………… 6.75Gbps

Input/Output TMDS signal …………………………………..…………….…0.5~1.5Volts p-p（TTL）

Input/Output DDC signal …………………………………………….…………………5Volts p-p (TTL)

Input cable distance….....……………….……………………….…≤15m AWG26 HDMI standard cable

Output cable distance ……………….………………………………≤20m AWG26 HDMI standard cable

Max working current………………………………………….……….………...500mA

Power adapter format Input: ……....…….…………….……. AC 100V～240V 50HZ/60HZ; DC5V/2A

Operating Temperature range…………………….……………………………….-15 to +55℃

Operating Humidity range………………………………………….5 to 90%RH (No Condensation)

Dimension (L x W x H) ………………………….……………………………… 95x77x19 (mm)

Weight…………………………………………………………………………………76g

Notes:

Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.

2. All parts will be free from the strong shake, hit, fall.

3. Touching the power adaptor with the wet hands is prohibited.

4. Pls hold the power adaptor head and do not pull the power cord when cut off from the socket.

5. Pls turn the power off when the machines not used for long time.

6. Pls do not open the cover and do not touch the inside parts.

7. Pls use the original factory power adaptor.

FAQ:

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

No.	Problem Description	Solutions
1	Non-Power-Connected	1. Check if the power adaptor head is truly and correctly inserted the power socket. 2. Check the remote power switch if it is in standby status.
2	No Picture	1. Pls to make sure that the TV is on and has been connected with the machine. 2. To check if the signal source is on and well connected. 3. Check if the line is all good quality. 4. Check signal source channel selection is correct
3	Obscure Picture	1. To try again to connect the cable to be free from the unsuccessful connection. 2. HDMI Cable Quality
4	Unable to control the mobile device	1. Please confirm the TV support CEC function, and confirm the mobile device support RCP function. 2. HDMI Cable Quality