

Operating Instructions

Thanks for purchasing our product.
Please be sure to read this instruction
manual carefully before using our product.

Introduction

H18 supports to switch one VGA source, Two Analog Component Video sourceS, Two Analog Composite Video sources and Three HDMI sources for input. All of above with independent analog audio input. The analog audio from the input is digitized and outputted to the HDMI connection. HDMI input supports HDMI1.3b and HDMI1.4 3D.

On the Analog Component Video and Analog Composite Video channels, If the resolution of the input signal is 480i or 576i, MS0801-E02 will deinterlace the resolution to 480p or 576p respectively.

H18 has the ability of equalization and amplification to ensure HDMI signal's transmission through long cable without quality loss.

H18 offers solutions for digital entertainment center, HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

Contents

HDMI Switch.....	1
■ Product Overview.....	1
■ Features.....	1
■ Package Contents.....	3
■ Connections and Operations.....	3
■ Specifications.....	3
■ Panel Descriptions.....	4
■ IR Controller Descriptions.....	5
■ Timing Table.....	6
■ Typical Application.....	6
■ Maintenance.....	6
■ Product Service.....	7
● Provided Service.....	7
● Mail-In Service.....	7
● Warranty.....	8
● Warranty Limits And Exclusions.....	8

HDMI Switch

■ Product Overview (Model Number: H18)



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.

■ Features

- ⌘ 8-inputs-1 outputs multi-function video/Audio switch.
- ⌘ Inputs contain 2×YPBPR, 2×AV, 1×VGA and 3×HDMI signals, Output is HDMI signal and digital audio signal. No image or color distortion.
- ⌘ Allows display to view any source at any time.
- ⌘ Deinterlace the resolutions of 480i and 576i to 480p and 576p on the YPBPR and AV channels.
- ⌘ Delivers uncompressed digital video with zero signal loss.
- ⌘ Support high definition resolutions 1080P, 1080I, 720P and standard video format.
- ⌘ Double switching modes, IR remote and manual.
- ⌘ HDMI V1.3 / HDMI V1.4 with 3D.
- ⌘ Coaxial and SPDIF audio output.

Warning

To reduce the risk of fire, electric shock or product damage:



1. Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



6. Clean this apparatus only with dry cloth.



2. Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.



7. Unplug this apparatus during lightning storms or when unused for long periods of time.



3. To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.



8. Protect the power cord from being walked on or pinched particularly at plugs.



4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



9. Only use attachments / accessories specified by the manufacturer.



5. Do not place sources of naked flames, such as lighted candles, on the unit.



10. Refer all servicing to qualified service personnel.

■ Package Contents

- ① Main unit. H18.
- ② Power Supply, 5VDC.
- ③ Operating Instructions.
- ④ Remote.
- ⑤ IR extension cable.

NOTE: Cables are optional

■ Connections and Operations

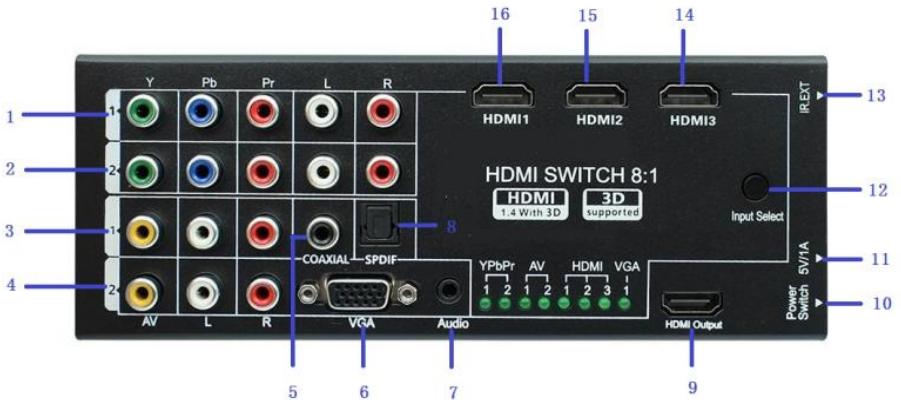
- 1) Connect the HDMI/YPbPr/AV/VGA input sources (such as HD-DVD, PS3, STB etc) into MS0801-E02.
- 2) Connect the HDMI outputs (such as HD-LCD, HD-DLP) into H18.
- 3) Connect the COAXIAL or SPDIF outputs (such as amplifier) into H18.
- 4) Power on the input source you want to show.
- 5) Connect the power supply adaptor into H18 and turn on the display you want to watch.
- 6) Use remote or push the button to choose input source.

■ Specifications

Operating Temperature Range	-5 to +35°C (-41 to +95 °F)
Operating Humidity Range	5 to 90 % RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Output Video	HDMI1.4 with 3D (Only valid when input HDMI 3D source)
Maximum Transmission Distance	<15m (If needed, HDMI extender is optional)
Power Consumption	10watts (Max.)
Power Supply	5VDC
Dimensions	1950mmW×310mmH×750mmD

■ Panel Descriptions

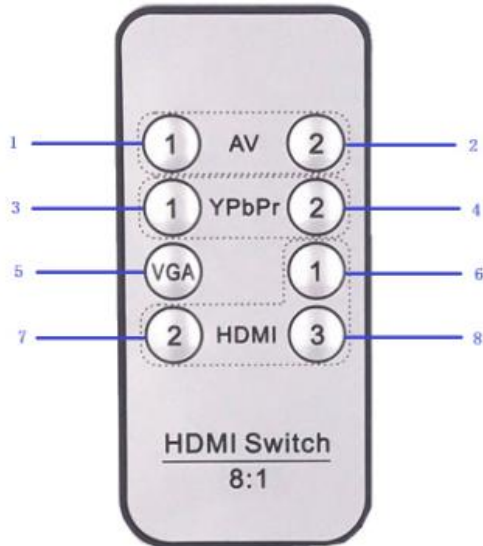
Upper Panel



1. YPbPr1 Input port with L/R Audio.
2. YPbPr2 Input port with L/R Audio.
3. AV1 Input port with L/R Audio.
4. AV2 Input port with L/R Audio.
5. COAXIAL digital audio output.
6. VGA input port.
7. Audio of VGA port.
8. SPDIF digital audio output.
9. HDMI output port.
10. Power switch.
11. Power input jacket.
12. Input select button
13. IR extender jacket.
14. HDMI1 input port.
15. HDMI2 input port.
16. HDMI3 input port.

■ IR Controller Descriptions

IR REMOTE

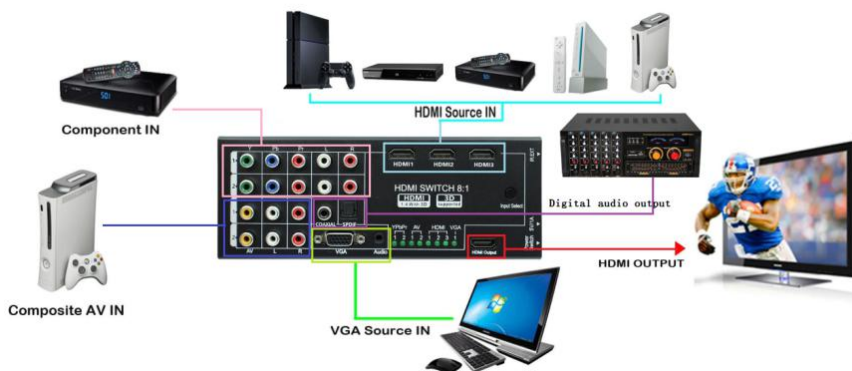


1. AV1 — Press the button to switch to AV1 channel.
2. AV2 — Press the button to switch to AV2 channel .
3. YPbPr1 — Press the button to switch to YPbPr1 channel.
4. YPbPr2 — Press the button to switch to YPbPr2 channel.
5. VGA — Press the button to switch to VGA channel.
6. HDMI1 — Press the button to switch to HDMI1 channel.
7. HDMI2 — Press the button to switch to HDMI2 channel.
8. HDMI3 — Press the button to switch to HDMI3 channel.

■ Timing Table

YPBPR/HDMI	480i, 480P, 576i, 576P, 720P@[50/60], 1080i@[50/60], 1080P@[50/60]
VGA	800x600@60, 1024x768@60, 1280x1024@60, 1400 x1050@60, 1600 x1200@60, 1920 x1080@60,

■ Typical Application



■ Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

■ Product Service

● Provided Service

- 1) **Damage Requiring service:** The unit should be serviced by qualified service personnel if:
 - ⌘ The DC power supply cord or AC adaptor has been damaged;
 - ⌘ Objects or liquids have gotten into the unit;
 - ⌘ The unit has been exposed to rain;
 - ⌘ The unit does not operate normally or exhibits a marked change in performance;
 - ⌘ The unit has been dropped or the cabinet damaged.
- 2) **Service Personnel:** Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- 3) **Replacement parts:** When parts need replacing ensure the service uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- 4) **Safety check:** After repairs or service, ask the service to perform safety checks to confirm that the unit is in proper working condition.

● Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a daytime phone and/or email address where you can be reached.

If repair is needed during the limited warranty period the purchaser will be required to furnish a sales receipt/proof of purchase indicating date of purchase, amount paid and place of purchase. Customer will be charged for the repair of any unit received without such proof of purchase.

● **Warranty**

If your product does not work properly because of a defect in materials or workmanship, we (referred to as “the warrantor”) will, for the length of the period indicated as below, **(Parts (1) Year, Labor(90) Days)** which starts with the date of original purchase (“Limited Warranty period”), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the “Labor” Limited Warranty period there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

● **Warranty Limits And Exclusions**

- 1) **This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage.** The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service Center or other Authorized Service, or damage that is attributable to acts of God.

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- 2) **There are no express warranties except as listed under “limited warranty coverage”. The warrantor is not liable for incidental or consequential damages resulting from the use of this product, or arising out of any breach of this warranty.** (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service location, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.)
 - 3) **Parts and service, which are not covered by this limited warranty, are your responsibility.**