

HS-510 HDMI Switch

User's Manual

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug; a polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety, if the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/ accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, Use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECT THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus

CAUTION



EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Class I construction

An apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earth connection.

Battery

Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

Disconnection Device

Disconnect the main plug from the apparatus, if it’s defected. And please call a repair man in your location.

When used outside of the U.S., it may be used HAR code with fittings of an approved agency is employed.

CAUTION

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

FCC Information (for U.S.A)

Note: 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment under FCC rules.

NOTE ON RECYCLING (for EUROPE)

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations.

When discarding the unit, comply with local rules or regulations.

Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning chemical waste.

This product and the accessories packed together constitute the applicable product according to the WEEE directive except batteries.

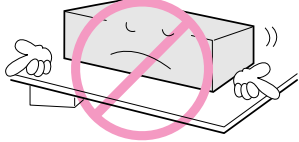
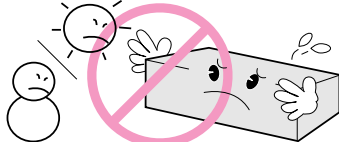
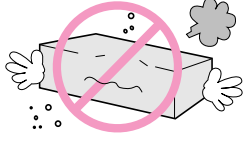
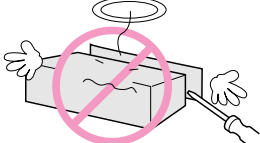
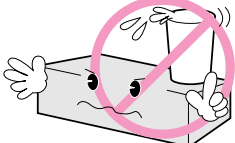

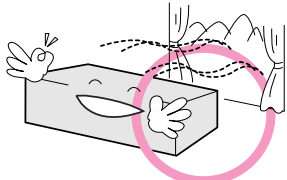
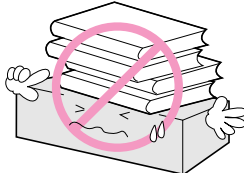


Contents

Important safety instructions	7
Product introduction	8
Remote control unit	9
Package and accessories	9
Specification	10
LED information.....	10
Basic function.....	11
Auto or Manual	11
Solving trouble with connection	12
Warranty information.....	13

Important safety instructions

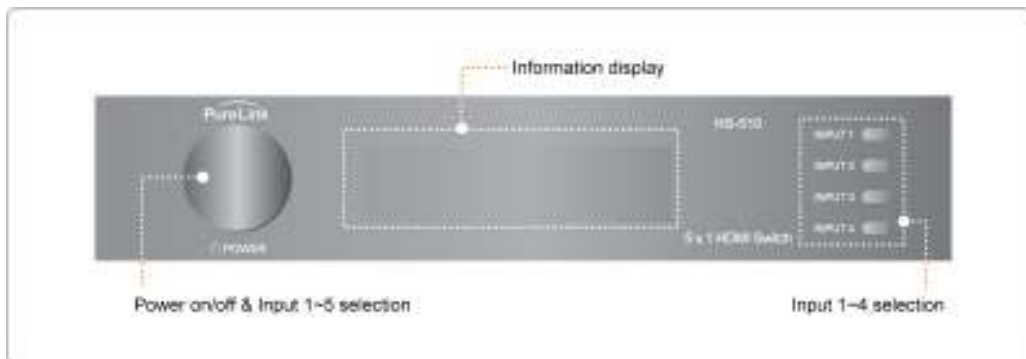
Please read following recommended safety instructions carefully.

<p>Do not place this product on an uneven surface.</p> 	<p>Do not install on a surface where exposed to direct sunlight, near heating equipment or heavy cold area.</p> 
<p>Prevent water or dust from the product.</p> 	<p>Do not attempt to repair this product yourself.</p> 
<p>Do not place glass contained of liquid on the product.</p> 	<p>Do not install this product near any magnetic source.</p> 
<p>Place the product at proper ventilation area.</p> 	<p>Do not place heavy items on the product.</p> 

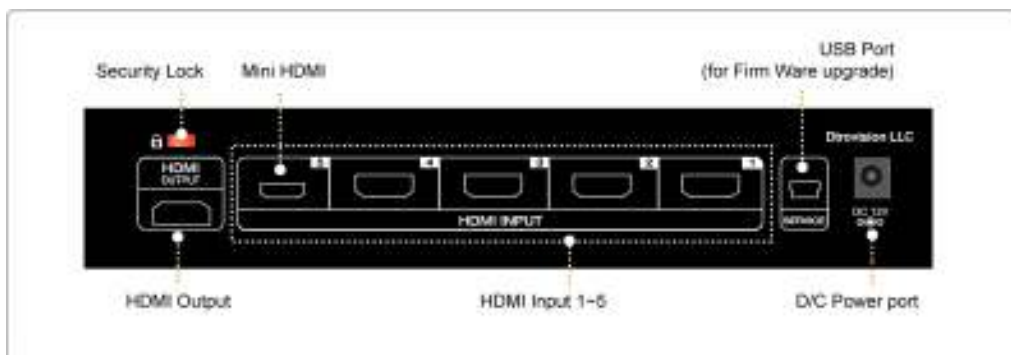
Read these operating instructions carefully before using the product.
Follow the safety instructions on the unit and the safety precautions listed in the manual.
Keep this manual handy for future reference.

Product introduction

* Front - HS-510 HDMI Switch

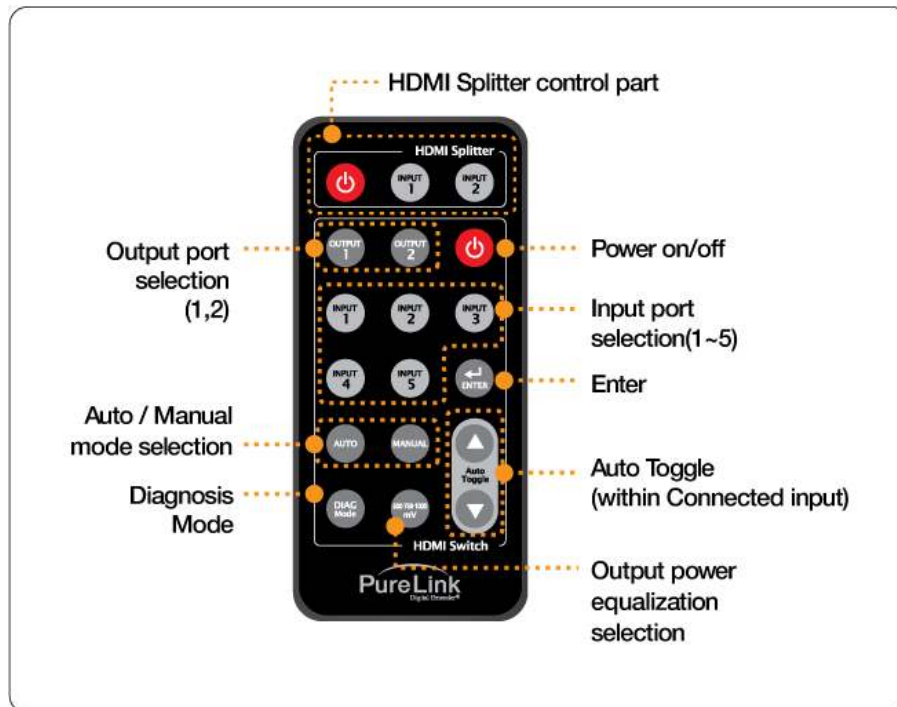


* Rear - HS-510 HDMI Switch



Remote control unit

Remote control range is within 3~5m and 50 degree of angle scope.



Package and accessories

Please make sure the following items are included with package.








- ※ Accessories could be changed without any notice.
- ※ Additional accessories or any accessories other than above should be purchased separately.

Specification

HDMI	INPUT	5 EA (mini HDMI 1Port)
	OUTPUT	1 EA
HDMI port		v 1.1 / v 1.2 / v1.3a
Color Support		8-bit, 10-bit, and 12-bit deep color per channel Support High Performance
Video Amplifier Bandwidth		up to 2.5Gbps per channel
Resolution		480i, 480p, 720p, 1080i, 1080p
Power Supply		DC 12V 3Amp Adapter
Firmware Update		USB 1 Port
Equalization		Select 500mV, 750mV, 1000mV
Remote Control		IR Remote control unit included
Dimension (WxHxD)		9.5 x 1.8 x 6.5 inches
Weight		1.8 Lbs (Main body)

LED information

When turned on LED Information will show each current status of HS-510 HDMI Switch in 1 second interval.

1. Show selected mode, Auto:  Manual: 
2. Show output voltage setting, 500mV:  750mV:  1000mV: 
3. Show input number. (※ Press ENTER button on remote to check above status)

Basic function

1. Connect HS-510 HDMI Switch with Display device and source device with cables
2. Turn on Display device (ex. TV or Projector)
3. Turn on HDTV source devices (ex. DVD player or Set-top box etc)
4. Turn on HS-510 HDMI Switch by pressing the "POWER" knob on the front or "POWER" button on remote
5. Choose input No. which you like to use as a source device

Auto or Manual

Auto or Manual mode is selectable according to user environment.

(※ Manual mode is factory pre-set)

Auto Mode:

To set HS-510 HDMI Switch to Auto Mode:

1. Press "AUTO" on remote. Or turn on by pushing Input 4 button with Power knob on front together.
2. "A" shown on front LED indicates AUTO mode.

Auto Mode Features:

1. When connected display device or source device is powered on or off.
HS-510 HDMI Switch will power on/off itself.
2. Input will switch to last activated port by itself.

Manual Mode:

To set HS-510 HDMI Switch to Manual Mode:

1. Press "MANUAL" on remote. Or turn on by pushing Input 4 button with Power knob on front together. "M" shown on front LED indicates MANUAL mode.
2. Select input selection;
 - a. Press from Input 1~5 on remote.
 - b. Choose from inputs by using "Auto toggle" button on remote.
 - c. Press the button from Input 1~4 on the right front of the main body.
 - d. Roll the knob from Input 1~5 on the left front of the main body.

Solving trouble with connection

※ 500mV is standard HDMI output voltage.

When trouble with connection please follow below procedure:

1. When trouble is occurred with 6~7m HDMI cable length:

Press "500.750.1000mV" on remote. Or turn on by pushing Input 1 button with Power knob on front together. " — " shown on front LED indicates, 500mV HDMI output voltage setting.

2. When trouble is occurred with 7~12m HDMI cable length:

Press "500.750.1000mV" on remote. Or turn on by pushing Input 2 button with Power knob on front together. " = " shown on front LED indicates, 750mV HDMI output voltage setting.

3. When trouble is occurred with 12~16m HDMI cable length:

Press "500.750.1000mV" on remote. Or turn on by pushing Input 3 button with Power knob on front together. " ≡ " shown on front LED indicates, 1000mV output voltage setting.

If HS-510 HDMI Switch is not working because of problems with source device, sync device or HDMI cable, it will show the error message for 5 seconds when you press "DIAG Mode" button on remote.

1. When LED shows " HD "or " MI " letter, change to another input or output and check LED information.

2. If normal, re-connect with input or output that had trouble replacing with another HDMI cable.

3. When re-connected with another HDMI cable and input or output is normal, there is reasonable doubt that HDMI cable is the trouble.

4. When re-connected with another HDMI cable and LED still shows "HD"or"MI" there is reasonable doubt that trouble is reason from HDMI source device

Warranty information

1 (One) Year Warranty

Dtrovision LLC warrants this HS-510 HDMI Switch to be free from defects in workmanship and materials, under normal use and service, for a period of one (1) year from the date of purchase from Dtrovision LLC or its authorized sellers.

If a product does not work as warranted during the applicable warranty period, Dtrovision LLC shall, at its option and expense, repair the defective product or part, deliver to customer an equivalent product or part to replace the defective item, or refund to customer the purchase price paid for the defective product.

All products that are replaced will become the property of Dtrovision LLC.

Replacement products may be new or reconditioned.

Any replaced or repaired product or part has a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer.

Dtrovision LLC shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to Dtrovision LLC for repair under warranty or not.

Warranty Limitation and Exclusion

Dtrovision LLC shall have no further obligation under the foregoing limited warranty if the product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress, unauthorized modifications, tampering, alterations, or service other than by Dtrovision LLC or its authorized agents, causes other than from ordinary use or failure to properly use the product in the application for which said product is intended.

Dtrovision LLC

131 Main Street, Suite 150 Hackensack, NJ 07601 USA

Tel: +1.201.488.3232

Fax: +1.201.621.6118

Email: support@dtrovision.com

www.dtrovision.com

www.purelinkav.com

For order support, please contact your local dealer.

For technical support, please contact us at support@dtrovision.com


PureLink
Digital Extender®
www.purelinkav.com

Dtrovision LLC

131 Main Street, Suite 150 Hackensack, NJ 07601 USA

Tel: +1.201.488.3232 Fax: +1.201.621.6118

e - mail: support@dtrovision.com

www.dtrovision.com www.purelinkav.com