

# Neptune



## 4-In x 2-Out True Matrix HDMI™ Switcher

NEP4X2SW3D

- Switches easily between 4 HDMI™ sources
- Maintains 480p, 720p, 1080i and 1080p video formats
- Maintains highest HDMI™ single link video resolution and digital audio signal
- Support HDMI™ with 3D video format
- Support HDMI™ with Deep Color display
- Support HDMI™ Digital Audio format
- HDMI™ Repeater with Equalizer



\*It is no guarantee for compatibility with other devices that probably the most failure is the lack of an HDCP repeater function or failure to perform the authentication reliably in all types of usage scenarios.

### Specifications

Operating Temperature Range: -15 to +55°C (-41 to +95°F)	HDMI™ Repeater with Equalizer
Operating Humidity Range: 5 to 90%RH (No Condensation)	Support HDCP 2.0
Input Video Signal : 0.5 Volts P-P (TTL)	Video Color Format: xv-YCC   Deep Color 36bit
Single Link Range : 1080p	Audio Format: DTS-HD   True-HD   LPCM7.1   AC3   DTS   DSD
Output Video: HDMI™ + HDCP 2.0	Transmission Distance: 15m(Maximum) over HDMI cable 26AWG
Vertical Frequency Range: 60Hz	Power consumption: 5watts(Maximum)
Data transfer speed rate: 6.75Gbps(Maximum - 2.25Gbps x 3)	Dimension (L×W×H): 115 x 60 x 32mm
HDMI™ with 3D video support (Side-by-Side Horizontal)	Net Weight: 245g (with box 270g)
HDMI™ with Deep Color support	

Note: Specifications are subject to change without notice. Mass and dimensions are approximate.

### Package Contents

- 1 x HDMI™ 4-in x 2-out Matrix Switcher
- 1 x 5V DC 2A power supply
- 1 x Infrared Remote Controller
- 1 x Instruction booklet

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### Connecting and Operating the HDMI™ Switcher

1. Connect the HDMI™ cables from the HDMI™ source devices to the HDMI™ switcher inputs. For best results, we recommend using HDMI™ certified cables.
2. Connect the HDMI™ cable provided from you display device (monitor or projector) into the HDMI™ out of the HDMI™ switcher.
3. Plug the 5V DC power supply into the HDMI™ switcher and the unit is ready for use.
4. Switch on the source signal and turn on the HDMI™ Switcher one by one. Try this step (one by one) for each device in order to define the signal.
5. Make sure to power off all devices when you plug or unplug HDMI™ device.

### Maintenance

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

### Special Notes

If equipment fails because of such defects and the manufacturer (or authorized dealer) is notified within 12 months from the date of purchase (Official Invoice). Manufacturer will, at its option and subject to change without notice, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, physical or other abuse or modifications.

The warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

The information in the manual has been carefully checked and is believed to be accurate. However, manufacturer assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Manufacturer, be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding HDMI™ switcher features and specifications is subject to change without notice.

- Place the switcher away from sources of electromagnetic or radio frequency interface, and also away from heat and moisture.
- To ensure optimum performance, you should use high grade HDMI™ cables with our product.

### Environmental Notice

To protect the environment, do not dispose of this appliance in the household waste at the end of its useful life. Disposal can take place at appropriate collection points provided in your country.

### PRODUCT SERVICE

- 1) **Damage requiring service:** The unit should be serviced by qualified service personnel if:
  - (a) The DC power supply cord or AC adaptor has been damaged;
  - (b) Objects or liquids have gotten into the unit;
  - (c) The unit has been exposed to rain;
  - (d) The unit does not operate normally or exhibits a marked change in performance;
  - (e) The unit has been dropped or the cabinet damaged.
- 2) **Servicing 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 servicer 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 servicer to perform safety checks to confirm that the unit is in proper working condition.

### WARRANTY

If your product does not work properly because of a defect in materials or workmanship, our Company (referred to as "the warrantor") will, for the length of the period indicated as below, (Parts (One 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.

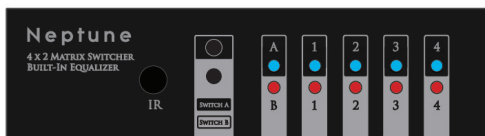
**Mail-In Service**  
When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

**LIMITED 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 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 Servicer, or damage that is attributable to acts of God.

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, 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.

### Front Panel



### Rear Panel



- ① IR Receiver
- ② Output B Select Button: Press the "Switch B" button to switch signal source from input 1 to 4.
- ③ Output A Select Button: Press the "Switch A" button to switch signal source from input 1 to 4
- ④ Indicator of HDMI output B: A red LED light will illuminate when output B works.
- ⑤ Indicator of HDMI output A: A blue LED light will illuminate when output A works.
- ⑥ Indicator of Output B's Input source: The corresponding red LED light will illuminate according to which input you connect.
- ⑦ Indicator of Output A's input source: The corresponding blue LED light will illuminate according to which input you connect.
- ⑧ Output A port
- ⑨ Power input
- ⑩ Input ports
- ⑪ Output B port