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CUSTOMER SERVICE & TECHNICAL SUPPORT

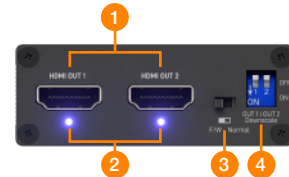
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Specifications

| | |
|-------------------|---|
| Model Name | MSQ-720P |
| Technical | |
| Role of usage | 1x2 Distribution Amplifier (Splitter) |
| HDMI compliance | HDMI 2.0a |
| HDCP compliance | HDCP 2.2 / 1.4 |
| Video bandwidth | Single-link 600MHz [18Gbps] |
| Video support | HDR 4K2K@60(4:2:0 10bits) / 4K2K@60 (4:4:4 8bits) |
| Audio support | DTS-HD Master Audio, Dolby TrueHD Dolby Digital, DTS, LPCM |
| ESD protection | Human body model – ±15kV [air-gap discharge] & ±8kV [contact discharge] |
| Firmware update | Feasible via Micro-USB port |

| | |
|-------------------------|---------------------------------|
| Model Name | MSQ-720P |
| Input | 1x HDMI |
| Output | 2x HDMI + 1x TOSLINK + 1x 3.5mm |
| HDMI connector | Type A [19-pin female] |
| Optical audio connector | TOSLINK |
| Mechanical | |
| Housing | Metal enclosure |
| Power supply | 5V DC |
| Power consumption | 2 Watts [max] |
| Operation temperature | 0~40°C [32~104°F] |
| Storage temperature | -20~60°C [-4~140°F] |
| Relative humidity | 20~90% RH [no condensation] |

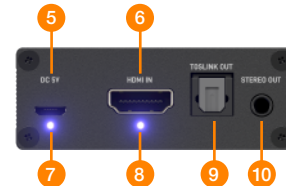
Panel Descriptions



- 1 HDMI OUT 1-2: HDMI outputs to HDMI displays
- 2 Signal LED: Output 1-2 signal LED indicator

- 3 Slide Switch: [Right] Work mode [Left] FW update mode
- 4 Dip Switch for Auto/ Forced downscale

| DIP Switch Position | | Description |
|---------------------|---|--|
| PIN #1 | ↑ | Output 1 Bypass Mode |
| | ↓ | Forced downscale 4K content to 1080p on output 1 |
| PIN #2 | ↑ | Output 2 Bypass Mode |
| | ↓ | Forced downscale 4K content to 1080p on output 2 |



- 5 Micro USB: +5V power & for F/W update
- 6 HDMI IN: Connect to a HDMI input source
- 7 Power LED: Lights on when device is ready
- 8 Signal LED: Input signal LED indicator
- 9 S/PDIF(Toslink) Output
- 10 Stereo Audio Output

! Signal LED light on when device is connected to source and display.



MADE IN TAIWAN

MSQ-720P

4K HDMI 2.0a 1x2 Splitter with Audio Extractor

Introduction

The MSQ-720P 4K HDMI 2.0a 1x2 Splitter with Audio Extractor is the most cost-effective HDMI splitter solution, allowing the transmission of high-definition video and high-quality audio to 2 different locations without any quality loss. Additionally, MSQ-720P supports HDR and true 4K2K video. Without sacrificing any active audio channels from the audio bitstream, this device supports the separation of high-quality digital S/PDIF (Toslink) audio from the incoming HDMI signal.

The compatibility among various HDMI sources and receivers could also be ensured with built-in USB firmware update mechanism. The MSQ-720P is ideal for high quality HDMI broadcasting, digital signage, and educational applications since it supports the highest HDR/4K2K@60 4:4:4 8bits and high-definition audio!

Feature

- HDMI 2.0a Compliant
- HDCP 2.2 and 1.4 Compliant
- Supports 4K2K@60 4:4:4 8bits
- Supports HDR*, 4K2K@60 4:2:0 10bits**
- Controllable 4K to 1080P Downscale Using Dip Switch
- Wide Frequency Range: 25MHz ~ 600MHz
- HDMI Audio Format: PCM2/5.1/7.1, Dolby 5.1/7.1, DTS 5.1/7.1
- Optical Audio Format: PCM2, Dolby 5.1, DTS 5.1
- Supports Audio Extraction via Toslink
- Supports xvYCC, x.v.Color and Deep Color
- Micro-USB Firmware Update for Expanding Compatibility
- Easy installation

- * HDR = High Dynamic Range.
- ** The video bandwidth of 4K2K@60 4:2:0 10bits (HDR) is 384 MHz, and the 4K2K@60 4:4:4 8bits is 594MHz.



1. NOT supports frame rate conversion.
2. MSQ-720P can pass through 4K HDR data content, but can NOT process it and make HDR content 100% fit into 1080p.
3. If 4K HDR downscale to 1080p, it may cause wash out on monitor.

Package Contents

- 1x MSQ-720P
- 1x 5V DC USB Wall Charger
- Micro-USB Cable
- 1x User Manual

Hardware Installation

Broadcasts HDMI signal to 2 HDMI displays:

1. Switch off all devices, including monitors.
2. Connect to the displays.
3. Connect an HDMI source (such as a Blu-ray Disc player) to the HDMI In.
4. Plug in 5V DC power supply.
5. Power on the HDMI monitors.
6. Power on the HDMI source.

Connection Diagram

