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# FeinTech SW212 HDMI 2.1 Switch 2×1 Plus Audio Extractor User Manual

**Contents**

**FeinTech SW212 HDMI 2.1 Switch 2×1 Plus Audio Extractor**



**Instruction manual and technical information**

Dear customer,
Thank you for purchasing this high-quality product. For optimal use and safe operation, please read these instructions before use. Please keep the manual as a reference for future reference.

## Functions

- Switch for operating 2 players on one HDMI sink (TV, video projector, monitor, AV receiver).
- Audio Extractor for sound output via SPDIF Toslink (digital) and 3.5 mm jack (analogue)
- EDID management for controlling the maximum audio and video formats

## EDID switch and management

Via EDID (Extended Display Identification Data), a TV, AV receiver or projector connected via HDMI signals its capabilities (including supported picture resolution and sound formats) to the source player. Then the HDMI source automatically outputs the best supported signal. This is to play only video or audio formats that can be processed. With the EDID switch, you can set which EDID is to be used for your configuration.

In the COPY position, the EDID of the display is used at the HDMI output. This means that the input device behaves as if it were connected directly to the display. When connected to a monitor or video projector without speakers, no sound, or only stereo sound, can therefore be played. Then change the EDID via the dip switches according to the maximum desired audio format. Please note that only stereo, DTS and Dolby Digital are played via Toslink. Only stereo sound is output via the analogue output. The same audio format is output everywhere, the switch does not convert the formats. Therefore, select at maximum 5.1 sound if you want to use the Toslink connection.

**The EDID mode is set via the 3 dip switches**

- 111 COPY mode, EDID data of the display are adopted (default setting).
- 110 4K 60Hz 4:4:4, Audio PCM2.0
- 101 FRL12G 8K HDR, Audio PCM2.0
- 100 FRL12G 8K HDR, Audio 5.1 DTS/Dolby/PCM 2.0
- 011 FRL12G 8K HDR, Audio 7.1 DTS/Dolby/HD/PCM7.1
- 010 FRL10G 8K HDR, Audio PCM2.0
- 001 FRL10G 8K HDR, Audio 5.1 DTS/Dolby/PCM 2.0
- 000 FRL10G 8K HDR, Audio 7.1 DTS/Dolby/HD/PCM7.1
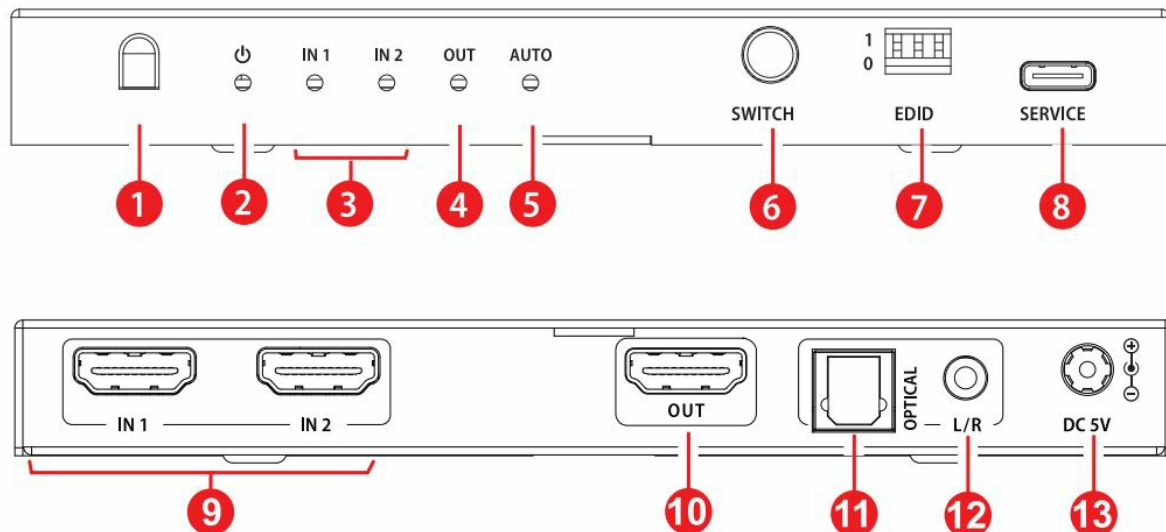- FRL12G allows a maximum data rate of 48 Gbps, and FRL10G a maximum of 40 Gbps.

**Notes**
audio formats such as Dolby TrueHD or DTS-HD as well as the 5.1 audio format DTS are not processed by some TVs. If the EDID setting nevertheless forces the output, such a TV will remain mute. When changing the EDID switch, note that it may be necessary to restart the connected devices. If you do not achieve the desired output or display, please proceed as follows:

- Switch on the desired EDID mode.
- Disconnect all units from the mains for a few seconds.
- Then plug in the mains plugs and switch on the devices. Do this in the following order: TV/projector / AV receiver, HDMI switch, HDMI source HDMI cable

Note that the higher the data rate of the AV signal, the more critical the cable length becomes. This is because the
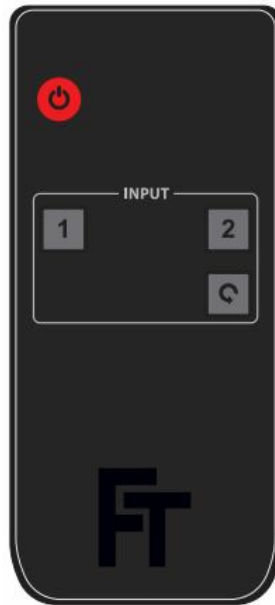
bandwidth requirement increases and higher frequencies are used. The higher the frequency is, the more it is attenuated in the cable. For an 8K resolution or 4k 120Hz, we recommend a maximum of 2 m cable length at the inputs and the output. If you need longer distances, you can use special HDMI cables with fibre optic data lines or active cables. For 4K 60Hz, the cables can be up to 6 m long, and for Full-HD up to 15 m.

## Connections, Displays & controls



1. Infrared receiver for the remote control, please do not cover.
2. Power LED lights up green when the switch is active and red in standby.
3. IN LEDs for inputs 1 & 2, the LED of the selected input lights up.
4. OUT LED, the LED lights up when a display is connected and receives a signal
5. AUTO LED lights up when the auto-switching function is active. The switch changes to the last player that was switched on.
6. SWITCH key, for selecting input 1 or 2. Press and hold for 3 s to activate or deactivate the auto-switching function.
7. EDID dip switch
8. SERVICE, USB interface for service purposes and firmware update
9. IN 1, IN 2 – HDMI inputs for connecting the external players
10. OUT connector, for connecting the TV, monitor or video projector
11. OPTICAL optical digital audio output (S/PDIF Toslink)
12. L/R analogue audio output, stereo, for 3.5 mm jack
13. DC 5V, connection for 5 V power supply.

## Infrared remote control

⏻ Switch on or switch off

1/2 Select 1 or 2 to select the HDMI input / external player

Press this key to switch between inputs

**Installation and operation**

1. Connect one or two HDMI players (e.g. Bluray player) to the HDMI inputs.

2. Connect an HDMI sink (e.g. TV, video projector, monitor) to the HDMI output.

3. Connect the power supply unit to the HDMI switch and plug it into a power socket. Then switch on the display, followed by an external player.

   **Caution**: When plugging and unplugging the HDMI cables, make sure that the plug contacts are not dirty or damaged. Make connections without power and switch on the devices only after they have been connected. Please also ensure that the HDMI cables are of good quality – especially for 4k transmission.

**Safety instructions**

- Please do not cover the case or power supply and do not install the unit to avoid overheating.
- Keep away from heat sources, fire, water and moisture.
- Do not place heavy objects on the unit or the connecting cables.
- Do not open or drill holes in the casing.
- Only use the power supply unit supplied or ensure identical performance data when replacing it.
- Clean the surface of the unit only with a soft, dry cloth. Please do not use any sharp cleaning agents, petrol or similar.
- If the unit is not used for a longer period or if it malfunctions, please unplug it from the mains.

**Service**

The unit must be inspected by qualified personnel in the following cases.

- Objects or liquids have entered the unit.

- The unit does not operate normally or the performance has changed.

- The unit has been dropped or the casing is damaged.

- Unplug the appliance and do not operate it any more.

- Do not attempt to repair or open the unit yourself. Contact trained specialists or contact the seller or FeinTech Service, e.g. by e-mail to **service@feintech.eu**.

**Disposal of the packaging**
The packaging of the unit consists of recyclable materials. Please return it to your local recycling system. Please contact your dealer or a municipal waste disposal facility/recycling centre for information on current disposal methods.

## Disposal of the appliance

Old appliances are not worthless waste. Valuable raw materials can be recovered through environmentally friendly disposal. At the end of its service life, this product must not be disposed of with normal household waste but must be taken to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, the instructions for use or the packaging indicates this. The materials are recyclable according to their labelling. By reusing, recycling or otherwise recovering old appliances, you are making an important contribution to protecting our environment.

**CE Declaration of Conformity**
This product complies with EU directives and may only be used in conjunction with shielded cables. We, Spreewald Kommunikationstechnik GmbH, hereby declare that this device complies with the Low Voltage Directive 2014/35/EU, the EMC Directive 2014/30/EU and the RoHS Directive 2011/65/EU. The formal declaration of conformity is available at **https://fintech.eu/ce** or on request.

Information according to REGULATION (EU) 2019/1782 for the power supply
**Importer:** Spreewald Kommunikationstechnik GmbH HR B 1107 Cottbus Radensdorfer Hauptstr. 45 a, 15907 Lübben, Germany
**Manufacturer:** Shenzhen Huoniu Technology Co., Ltd., Block No. 5, The 4th Industrial Zone, Xitian Community, Gongming Town, 518106 Shenzhen, Guangdong

- Model code: HNAD050100X1

- Input voltage 100–240 V

- Input AC frequency 50/60 Hz

- Output voltage 5 V DC

- Output current 1.0 A

- Output power 5.0 W

- Average efficiency in operation 75.91 % (230V, 50Hz)

- Power consumption at no load 0.071 W (230V, 50Hz)

## Specification

## Delivery content

HDMI Switch, Steckernetzteil, Fernbedienung, Batterie Typ CR2025, Anleitung HDMI Switch, plug-in power supply, remote control, battery type CR2025, instructions Commutateur HDMI,  CR2025, manual FeinTech® Radensdorfer Hauptstr. 45 a 15907 Lübben (Spreewald) Germany **info@feintech.eu**  WEEE-Reg.-№ DE15618234 **www.feintech.eu**

## Documents / Resources

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|---|---|
|  | **FeinTech SW212 HDMI 2.1 Switch 2×1 Plus Audio Extractor** [pdf] User Manual<br>SW212 HDMI 2.1 Switch 2 1 Plus Audio Extractor, SW212, HDMI 2.1 Switch 2 1 Plus Audio Extractor, Plus Audio Extractor, Audio Extractor, Extractor |

## References

- **FT** **CE Konformitätserklärungen - FeinTech**
- **FT** **FeinTech | Dein Spezialist für Audio, Video & HDMI | Offizieller Shop**
- **FT** **CE Konformitätserklärungen - FeinTech**
- **User Manual**