

CAUTION

Keep naked flames (e.g. burning candles) away from the appliance. Do not place the unit in a location where there is insufficient air supply, for example in a narrow shelf.

The unit is designed to operate in conjunction with your TV set and receives its operating power from its 5V USB port. Do not operate the unit with uncertified power adapters or other power supplies that are not proven to be safe.

Note for customers: The following information applies only to appliances sold in countries where EU directives apply.

This product was manufactured by or for Kronoton GmbH. EU Importer: Kronoton GmbH. Please send enquiries to the importer or about product conformity based on legislation in Europe to Kronoton GmbH, Völckers Park 13, 21465 Reinbek.



The validity of the CE and FCC marks is limited only to those countries where they are required by law.

Disposal of used electrical and electronic equipment (to be applied in the countries of the European Union and other countries with a separate collection system for these products).

The symbol on the product indicates that the product should not be treated as normal household waste. By helping to dispose of the product correctly, you are protecting the environment and your fellow human beings. The environment and health are endangered by incorrect disposal.

Material recycling helps to reduce the consumption of raw materials. To ensure that the product is disposed of correctly, take the product to an appropriate collection point for the recycling of electrical and electronic equipment.

SECURITY MEASURES

Line-Up

To avoid the risk of malfunction, avoid the following locations when placing or storing this unit:

- A place exposed to high temperatures, e.g. under direct sunlight or lighting or in a sauna.
- In a vehicle with closed windows (especially in summer)
- A place exposed to excessive dust
- A place exposed to strong vibrations

Depending on the conditions of how the unit is placed or fixed, it may tip over or fall off the surface. Do not leave valuables near the unit.

Miscellaneous

Do not use this unit in an extremely cold or extremely hot environment (temperature outside the range 5° C - 35° C).

Turn down the volume of your audio system/headphones before switching on the unit for the first time (bypass TOSLINK off, bypass ANALOG off), as there may be a sharp jump in volume depending on the audio material you are using.

Do not open the unit under any circumstances. Opening the unit irrevocably voids its warranty. For more information on the warranty conditions, please visit <https://www.hdsx.com/guarantee/?lang=en>

The software contained on the device is provided to you by Kronoton by licence, which you acquire with the purchase of this device. The licence contains the rights to use the device in the sense of correct commissioning. The other rights, in particular the copyright and IP rights and the right to change, edit and further develop the software remain with Kronoton.

Technical data

- Enclosure: Metal, black
- Power supply: DC 5V via Micro-USB-B-socket
- Audio Input: Toslink | Digital optical
- Audio Output Toslink: Toslink | Digital optical
- Audio Output Analog: 3,5mm mini jack Stereo
- Weight: 102 g
- Dimensions: Length: 5,3 cm, Wide: 9 cm, Height: 2,38 cm
- Soundformat: PCM Stereo

Delivery Contents

- HDSX TV Sound Optimizer | HDSX TV Sound Optimizer S
- Cable USB 2.0, USB-A-connector to Micro-USB-B-connector (50cm) (This cable is located in the right inner wall of the packaging)
- Cable Toslink (50cm)
Please remove protective caps at both ends before use.
- Self-adhesive Velcro straps for fixing the unit behind your TV set
- 4x Rubber feet, self-adhesive for placing the unit on a horizontal surface
- User Manual

You will find many more helpful answers to your questions and quick solutions for problem solving on our website www.hdsx.com.

PERFECTLY BALANCED TV SOUND

User Manual ENGLISH

HD SX[®]

TV SOUND OPTIMIZER

TV SOUND OPTIMIZER S

Please read these instructions carefully before using the unit and keep them for future reference.

Many more helpful answers to your questions and quick solutions can be found on our website:

www.hdsx.com

QUICKSTART

1



Take off your headphones



Turn down the volume

2



Turn OFF TV speakers



Using Headphones:
Keep TV speakers turned ON (optional)

TV or/and receiver menu/sound settings:
(Digital) Audio Out = PCM Stereo
Recommended volume level on receiver = 95%.

POWER supply via USB from TV

TV Digital Toslink Audio Out to TOSLINK IN

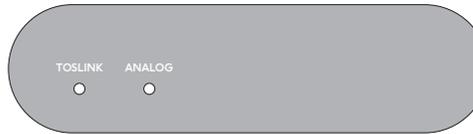
ANALOG OUT to Soundsystem / Headphone Analog In

TOSLINK OUT to Soundsystem / Headphone Toslink In

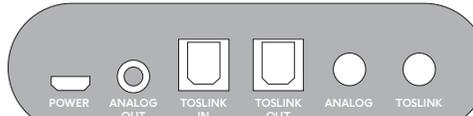
Soundbar

If your TV does not have a „Digital Audio Out/Toslink“ with PCM signal, we recommend using an „Analogue to Digital Toslink“ converter to connect the analogue output of your TV to our unit.

3

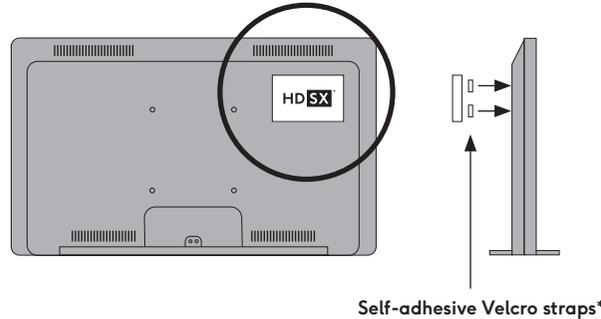


[7] LED ON = HDSX active
[8] LED ON = HDSX active



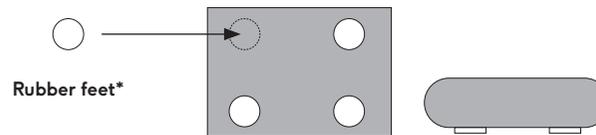
[1] [2] [3] [4] [5] [6]
HDSX ON/OFF HDSX ON/OFF

4A



Self-adhesive Velcro straps*

4B



Rubber feet*

Bottom view

* included in delivery

COMMISSIONING

- Switch off your TV/Receiver and remove any existing HDMI (ARC) connection.
- Using the USB cable supplied, connect a USB socket on your TV to the USB POWER 5V socket [1].
- Connect the Toslink output of your TV or/and receiver, usually called „Digital Audio Out“, to the TOSLINK IN socket [3] using the Toslink cable supplied (please remove the protective caps at both ends before use).
- Connect the audio input of the speaker/headphone system of your choice to the audio outputs TOSLINK [4] or/and ANALOG [2]. Recommendation: Turn off internal sound effects on the connected system.
- For example, you can operate a headphone amplifier via the analog output [2] in addition to a soundbar via the digital output [4], so that you can listen via loudspeakers and headphones in parallel.
- Attach the unit to the back of your TV using the self-adhesive Velcro straps provided or stick the rubber feet provided to the bottom of the unit and place it next to your TV.
- Switch on your TV and mute its internal speakers if you are using a soundbar or other external speakers. If you are using headphones, you can leave the internal TV speakers switched on to listen in parallel through its speakers.
- In the sound settings of your TV or/and receiver, set its (digital) sound output format to PCM/stereo. Recommendation: Switch off internal sound effects. When using a receiver, we recommend setting its output volume to 95% so that our device gets enough input level.
- Turn down the volume of the speakers connected to the unit. Do not put on headphones connected to the unit until you have activated the HDSX TV Sound Optimizer via one or both switches [5] and [6]. If the LED lamps [7] and [8] on the front light up blue, both signal paths are active in parallel.
- Since the HDSX TV Sound Optimizer immediately detects and optimises volume levels that are too low, the volume may increase considerably depending on the audio material heard when it was activated.
- If the HDSX TV Sound Optimizer is activated, set your desired volume level once on the external sound system and then enjoy the new freedom of watching TV.
- If you have chosen the HDSX TV Sound Optimizer Model S, you will experience great cinema in your headphones thanks to HDSX.headphone Surround Sound.