HDMI2AV

HDMI to analogue AV signal converter
User manual



Read this manual before use and keep it for future reference.

www.rotorama.com

Contents

1. Product description

1.1 What it is for

1.2 Technical data and package contents

2. Use

2.1 Connectors

2.2 Connection

2.3 Selecting PAL / NTSC

2.4 Connecting a simulator to FPV goggles

2.5 Transmitting video via an analogue video transmitter

3. Safety, care and troubleshooting

3.1 Safety instructions

3.2 Care and storage

3.3 Troubleshooting

4. Information for the EU and Czech Market

4.1 Importer and responsible person in the EU

4.2 Disposal of electrical equipment

5. Warranty and rights arising from defective performance

1. Product description

1.1 What it is for

HDMI2AV is a converter from a digital HDMI signal to an analogue video signal (AV) with an audio output. It allows you to connect a device with an HDMI output – for example a computer, laptop or game console – to an older display device that only has an analogue AV input.

In FPV, the converter is mainly used to connect a computer running a simulator to FPV goggles that only have an AV input, or to transmit video from an HDMI source through an analogue video transmitter (VTX). The converter is powered with 5 V via a mini USB connector; a switch on the side selects the PAL or NTSC output standard.



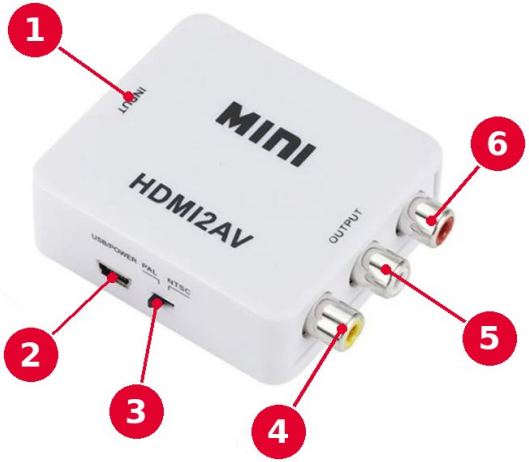
HDMI2AV converter

1.2 Technical data and package contents

Parameter	Value
Product designation	HDMI2AV (marked “MINI HDMI2AV” on the housing)
Conversion	HDMI → AV (analogue video + audio)
Input	HDMI (marked INPUT)
Output	3× RCA: video, audio L, audio R (marked OUTPUT)
Output standard	PAL / NTSC, switchable
Power supply	5 V, mini USB connector (marked USB/POWER)
Package contents	HDMI2AV converter, USB cable
Not included	HDMI cable, AV (RCA) cable, USB power adapter

2. Use

2.1 Connectors



Converter connectors and controls

① Side with the **HDMI** input (INPUT) – connect the HDMI cable from the signal source here.

② **USB/POWER** – mini USB power connector, 5 V.

③ **PAL / NTSC** switch – selects the video output standard.

④ Yellow RCA – **video** output.

⑤ White RCA – **audio** output, left channel (L).

⑥ Red RCA – **audio** output, right channel (R).

※ The colour coding of the RCA connectors follows the common standard: yellow = video, white = left and red = right audio channel.

2.2 Connection

① Switch off the HDMI source and the display device.

② Use an HDMI cable to connect the HDMI output of the source to the converter input (INPUT).

③ Use an AV cable to connect the converter outputs (OUTPUT) to the AV input of the display device – the yellow connector to the video input, the white and red ones to the audio inputs. If you do not need audio, connecting only the yellow video output is sufficient.

④ Use the switch to select PAL or NTSC according to the display device (see Chapter 2.3).

⑤ Connect the supplied USB cable to the USB/POWER connector and to a 5 V source – a computer USB port or a USB adapter.

⑥ Switch on the HDMI source and the display device.

2.3 Selecting PAL / NTSC

PAL and NTSC are two analogue video standards. Select the one supported by your display device (stated in its manual). If there is no picture, or the picture is black and white, rolling or distorted, move the switch to the other position.

2.4 Connecting a simulator to FPV goggles

Connect the computer running the simulator to the converter input with an HDMI cable. Connect the yellow video output to the AV input of the goggles with a cable that matches the AV input connector of your goggles (see their manual; the cable is not included). On the computer, set the display output to HDMI, for example by mirroring the display.

※ Analogue video has a much lower resolution than HDMI – small text in the simulator menu may therefore be harder to read.

2.5 Transmitting video via an analogue video transmitter

The yellow video output of the converter can be fed to the video input of an analogue video transmitter (VTX); connect the ground (outer contact of the RCA connector) to the ground of the transmitter. The converter does not power the transmitter – power the transmitter according to its own manual.

Operation of a video transmitter is governed by the regulations of the country in which you use it (permitted frequencies and maximum transmit power). In the Czech Republic, the general authorisations of the Czech Telecommunication Office apply.

3. Safety, care and troubleshooting

3.1 Safety instructions

- Power the converter only with 5 V from a USB port or a USB adapter.
- Connect and disconnect cables carefully, without using force.
- Protect the converter from moisture, water, dust, direct sunlight and heat sources. Use it in a dry environment.
- Do not open the housing or make any modifications. If the housing or a cable is damaged, stop using the converter.
- The product is not a toy. Keep it out of the reach of small children.
- Disconnect the power supply when the converter is not in use.

3.2 Care and storage

Clean the converter with a dry soft cloth; do not use solvents or cleaning agents. Store it in a dry place with no cables connected.

3.3 Troubleshooting

Problem	Cause and solution
No picture	Check the 5 V power supply and all cable connections. Make sure the HDMI source is outputting a picture (on a computer, set the output to HDMI). Try switching PAL / NTSC.
Picture is black and white, rolling or distorted	Wrong standard selected – move the PAL / NTSC switch.
No audio	Check the connection of the white and red connectors. Set the audio output of the source to HDMI.
Picture from a particular source is not displayed	Some sources protect their HDMI output against copying (HDCP); the converter may not display such content. Try a different source.
Text is hard to read	A property of lower-resolution analogue video. Increase the text or interface size on the source.

4. Information for the EU and Czech Market

4.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

4.2 Disposal of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste**.
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu.

5. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 4.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.