

rgb loop³

Prismatic
edition

updated version and tutorials on:

<https://eshop.rgbloop.com/manual>

<https://prismatic.art/rgbloop3>

rgbloop3 Prismatic edition is a small gallery player, multimedia server and a general tool for creating and playing audio-visual content.

- built-in advanced tool for creating interactive content - Prismatic
- automatically plays video from USB flash or internal memory in a loop
- intuitive one-click operation
- pause and scroll in video in multi-channel display
- no setup, automatic selection between server and client mode during video synchronization, just plug the ethernet cable into the router and the player will set the necessary addresses itself
- simple 1-click 4 point perspective correction with usb mouse, automatic saving of settings
- automatic start when power failure or disconnection from the network

supported resolutions:	3840×2160, 1920x1080
perspective correction mode:	up to 3840x2160 30fps
mode Prismatic:	up to 1920x1080
supported colour profiles:	yuv420p
supported video containers:	mp4, mov, ts, mkv, avi
supported video codecs:	h264, h265, mjpeg
supported audio codecs:	aac, mp3,wav, ac3, audio 5.1 over HDMI - aac, ac3
unsupported audio codecs:	ADTS
supported file systems:	FAT32, exFAT, NTFS, ext4

wiring instructions:

1. plug USB flash into USB port, connect HDMI 2.0 cable for 4k projection
2. for JACK audio output, plug into the jack connector on the device or plug in an external USB sound card
3. for multi-channel video projection, connect each device to the router using an ethernet cable (the router does not need to be connected to the internet)

4. turn on the projector or TV or other display device
5. connect the supplied power adapter to the device
6. the player turns on and after a while starts playing the video
7. to change the settings (to turn synchronization on or off) you need to have a USB mouse plugged in.
8. to switch off the device, just unplug the power adapter from the socket.

Control - USB mouse:

left click: control perspective correction, scroll in video, call up edit mode

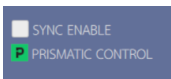
right click: reset perspective correction (also needed when changing projector or TV with different resolution)

middle wheel click: view other video files in the directory (only the first video file plays after restart)

middle scroll wheel: zoom

single player connection:

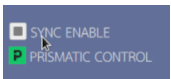
the player must have a USB stick plugged in with a supported video file in the root directory or contain the video in the internal memory (upload using the interface in the bottom right corner of the screen - settings)



SYNC ENABLE must be deactivated as in the picture, otherwise the player will try to sync and the video will not play. If there are multiple videos on the USB stick, in this mode it will play all videos in sequence.

multiple players connection:

all players must have supported video on USB flash or internal memory (video for synchronous playback must be the same length on all devices)



SYNC ENABLE must be activated as in the picture for all players to be synchronized

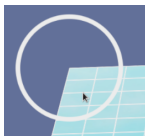
all players must be connected to the router with an ethernet cable (to the LAN socket on the router, not the WAN). The router usually has 4 ports and in case of connecting more than 4 synchronous players it is possible to use a router that is connected to e.g. an 8 port switch to which all players will be connected. The router must have an active DHCP server that allocates addresses.

player ID: rgbloop-50370b5e | media file: 4k_out-output1.mp4 | size: 2796MB
current state: client | 3 clients connected to rgbloop-09b19bcb | info: 0

For checking, the player displays the number of connected devices, in this case 3. If the player is running but does not have a USB flash plugged in, it is not counted as a connected device

perspective correction::

By hovering the mouse over a control in one of the four corners of the video, you can drag the corner to the desired position. Clicking outside the wheel will switch the player to a non-graphical interface mode and save all settings at the same time.

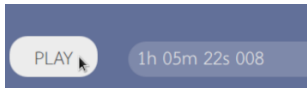


pohyb po časové ose:



Clicking the mouse on a position on the timeline will move the video to the desired location. Scrolling works even if multiple players are connected at the same time.

Clicking the PLAY button will stop the player. It also works in multi-player mode (this function is useful for documenting a multi-channel video installation, for example)



USB sound card connection:

K přehrávači je možné připojit USB zvukovou kartu např. Axagon 7.1 nebo Creative Sound Blaster Play! 3. V případě zapojení USB zvukové karty se zvuk přenáší zároveň i přes HDMI. Zvuková karta se musí připojit před zapnutím přehrávače.

screen resolution:

The current screen resolution can be found here:

screen resolution: 1920 x 1080

the player itself selects the highest resolution that the projector or TV can display. If the resolution is still unsuitable, it can be adjusted using the display settings - see the manual at <https://prismatic.art/rgbloop3>