HDZero BoxPro

All-in-one FPV box goggle for HDZero digital, analog and HDMI video

User manual



Please read this entire manual carefully before first use. Never power the goggle with a 6S HV (LiHV) battery – it will permanently damage the goggle.

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1. Safety instructions

Read this entire manual before first use and keep it for future reference. If you pass the goggle on to another person, include this manual.

- Power the goggle only from a **7–25.2 V** source (2S to 6S Li-Po battery). The maximum voltage is **4.20 V/cell, i.e. 25.2 V for 6S**.
- **Never use a 6S HV (LiHV) battery** (4.35 V/cell, 26.1 V) or a battery with more than 6 cells – it will permanently damage the goggle.
- Plug in a 6S battery **only when the power switch is off** to prevent voltage spikes entering the goggle.
- Make sure the power polarity is correct before powering on (the centre pin of the DC plug is positive).
- When flying with FPV goggles you cannot see your surroundings. Under European rules, a drone may only be flown with an observer standing next to you who watches the drone and the surroundings directly, without goggles.
- The goggle is not a toy. Keep it out of reach of children; small parts (antennas, caps, SD card) could be swallowed.
- Protect the goggle from moisture, dust, drops and extreme temperatures. Do not expose the lenses to direct sunlight – focused light can damage the display.
- Do not cover the fan vents. The goggle may become warm during longer use.
- If you experience nausea, headache or eye strain, take the goggle off and rest.
- The frequency and power of the video transmitter (VTX) on the drone must comply with the regulations of the country in which you fly (see chapter 4.3).

2. Product description

2.1 Introduction and features

The HDZero BoxPro is an all-in-one FPV box style goggle for digital, analog and HDMI video. Please take the time to read through this operating manual thoroughly before using.

- Power on/off sliding switch – be confident that the goggle is on or off at a glance or by feel.
- Designed for open source, the goggle runs Linux. All code for the user interface is open source.
- 100 Hz 1800 nits LCD display.
- Supports diopter lens inserts.
- By integrating the entire goggle display pipeline with HDZero's fixed-latency video transmission, these goggles achieve 4 ms glass-to-glass sub-frame latency with no jitter or dropped frames.
- Integrated two 7 dBi patch 5.8 GHz antennas.
- Included two 2 dBi linear 5.8 GHz SMA antennas.
- Adjustable speed fan cools the internals and prevents screen fogging.
- Integrated HDZero receiver with 4 antennas, supporting all HDZero modes.
- Integrated analog receiver that shares an antenna with the HDZero receiver.
- HDMI input with 1 ms latency, supporting resolutions up to 1080p60 and 720p100.
- HDMI output.
- Built-in microphone for DVR.
- 3.5 mm combination headphone / microphone jack for audio and external mic.
- 3.5 mm analog video/audio input for use with ground station inputs.
- 3.5 mm head tracker output using 6-axis smart inertial measurement to enable pan + tilt support.
- Integrated 2D deinterlacer that adds no delay for analog input.
- Built-in H.265 DVR for HDZero, analog and HDMI input.
- Built-in ESP32 (optional).
- Built-in 2.4 GHz WiFi video streaming module for live streaming (optional).

※ Features marked "optional" (WiFi module, ESP32 Backpack) are only available on goggles fitted with this module (offered by the manufacturer as BoxPro+).

2.2 Specification

Parameter	Value
HDMI input to goggle glass latency	1 ms
Analog camera glass to goggle glass latency	3 ms
HDZero camera glass to goggle glass latency	4 ms
Display	LCD, 100 Hz, 1800 nits
Field of view (FOV)	56°
Input voltage	7–25.2 V (2S–6S)
Typical power consumption	14.5 W (with HDZero RF on), 10 W (with analog RF on)
Weight	348 g
Dimensions	166 × 114 × 92 mm

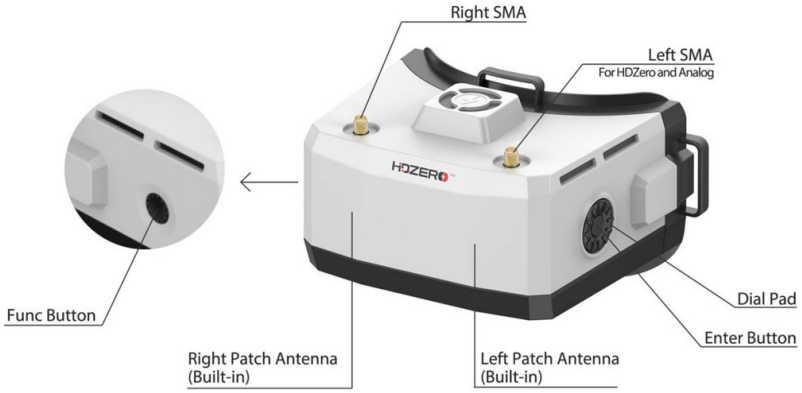
2.3 Included accessories

- 1× HDZero BoxPro goggle
- 2× linear antenna
- 1× foam face pad
- 1× goggle strap
- 1× XT60 cable, 1200 mm
- 1× thick canvas goggle bag with sleeve to stow the antennas
- 1× lens cloth

Not included: battery, SD card, diopter lens inserts, AV input cable and head tracker cable.

2.4 Controls and antennas

The goggle is operated with three controls: the **Dial Pad** (rotary dial with push function), the **Enter** button and the **Func** button.



Goggle controls and antennas

Label in the figure	Meaning
Right SMA	right SMA antenna connector
Left SMA	left SMA antenna connector – antenna for both the HDZero and analog receiver
Right / Left Patch Antenna (Built-in)	right / left built-in patch antenna
Func Button	Func button
Dial Pad	rotary dial with push function
Enter Button	Enter button

3. Setup

The HDZero BoxPro has many features that can be customized to the individual pilot.

3.1 Power switch

There is a sliding power switch on the right side of the goggles. You may use it to turn the goggle on/off, or just leave it on and plug/unplug the DC barrel plug to turn the goggle on and off.

In order to prevent voltage spikes entering the goggle, it is mandatory to plug in a 6S (max. 4.20 V/cell) battery only if the power switch is off.

3.2 Power input and consumption

The goggle supports 7–25.2 V power input ①. Please make sure the power polarity is correct ② (centre pin positive) before powering on the goggle.

	Mode	Power consumption
1	HDZero digital	1.2 A @ 12 V
2	Analog RF	0.8 A @ 12 V
3	HDMI in	0.7 A @ 12 V

① **DO NOT use a 6S HV lipo to power on the goggle** – it will permanently damage the goggle.

② The goggle contains a self-resetting fuse to protect against reverse polarity. If the fuse is tripped, allow some time for the fuse to reset. Always install batteries in correct polarity and check with the case's battery checker beforehand – if the checker lights don't turn on, the batteries are installed backwards and the goggle's fuse will trip to protect the goggle.

3.3 XT60 cable

The goggle includes a 1200 mm XT60 cable for connecting a battery in your pocket. The XT60 cable has no voltage regulator. The cable passes voltage directly through to the goggle.

① Do not connect a battery with more than 6 cells to the goggle, as the maximum voltage rating of the goggle is 6S (4.20 V/cell, 25.2 V).

② Some types of XT60 cable, e.g. the HDZero VRX cable, have integrated DC regulators. Make sure that such a cable is able to output enough current as indicated in the table in chapter 3.2 – otherwise the goggle won't boot or will keep rebooting.

3.4 Optics lens and diopter lens insert

The HDZero BoxPro optics include a lens that focuses the image and ensures a clear, immersive view for the pilot.

The lens is made of plastic rather than glass. To prevent scratches, only clean it with a soft microfibre cloth or wipes designed for cleaning glasses.

The goggle has no built-in optical (diopter) adjustment. However, users can customize a diopter lens insert at the HDZero shop according to their prescription. The diopter lens insert is not included and needs to be purchased separately.



Position of the diopter lens insert

3.5 Head strap

The goggle includes a 30 mm (1.2 inch) wide head strap with battery pocket. Once you have configured the face plate and padding foam for your preferred face fit, put on the head strap and adjust the tightness to your preference.

3.6 HDMI input and output

HDMI input: the HDZero BoxPro includes a single-port HDMI 1.4b receiver through a mini HDMI port. The incoming HDMI video is routed to the LCD display with less than 1 ms latency. The current firmware supports resolutions up to 1080p60 and 720p100 for HDMI input.

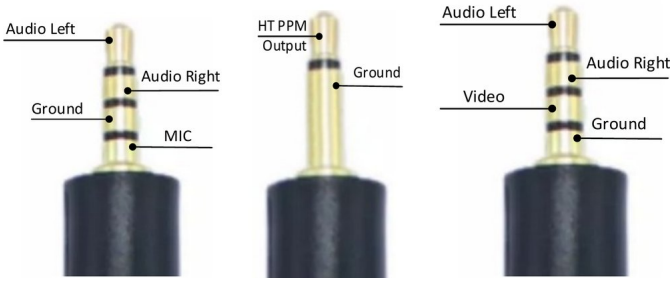
Please note that most HDMI connectivity issues are due to either incorrect monitor settings or a faulty HDMI cable. If you encounter issues using the HDMI input, try connecting with alternative HDMI sources and alternative cables to rule out these common causes.

HDMI output: the HDZero BoxPro includes a high-performance single-channel HDMI transmitter that is fully compliant with HDMI 1.3a through a mini HDMI port. The HDMI output displays exactly the same content as what appears on the goggle display.

	Input source	HDMI output format
1	HDZero 60 fps camera	1280×720, 60 fps
2	HDZero 90 fps camera	1280×720, 90 fps
3	NTSC	1280×720, 59.97 fps
4	PAL	1280×720, 50 fps
5	HDMI in	not supported

3.7 3.5 mm jacks (AV, HT, audio)

The goggle has three 3.5 mm jacks. Their pinout is shown in the figure.



3.5 mm jack pinout – from left: audio Line In/Out (headphones and microphone), head tracker (HT) output, AV input

Label in the figure	Meaning
Audio Left / Audio Right	left / right audio channel
Ground	ground (GND)
MIC	microphone
Video	composite video
HT PPM Output	head tracker PPM output

- **AV input** – analog video and audio input, e.g. from a ground station. The AV input cable is not included. It is available in the HDZero shop and other online stores.
- **Head tracker (HT) output** – the goggle has a 6-axis smart inertial measurement unit for head tracking pan + tilt support. The HT cable is not included. It is available in the HDZero shop and other online stores.
- **Audio Line In / Line Out** – CTIA standard jack for microphone and headphones.

3.8 Open source

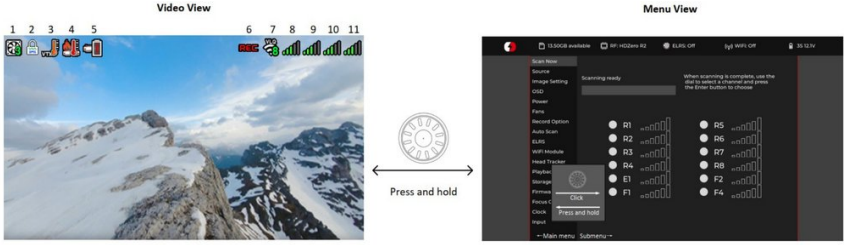
The HDZero BoxPro is open source. You can find the SoC firmware on GitHub.

4. Operation

This section describes the general operation of the HDZero BoxPro.

4.1 Controls, Video view and Menu view

The goggle has two views: the **Video view** and the **Menu view**. Press and hold the Dial Pad to switch between them.



Video view (left) and Menu view (right)

Control	Function in Video view
Dial Pad	single click: show / hide goggle OSD dial up / down: change to desired channel, click to confirm press and hold: switch to Menu view
Func	single click: start / stop DVR press and hold: change fan speed

▶ Goggle OSD (numbers in the figure)

1 – goggle fan speed	2 – goggle latency lock indicator
3 – VTX temperature indicator	4 – goggle overheat alarm
5 – goggle power low voltage alarm	6 – recording state
7 – video link quality indicator	8 – left SMA antenna signal strength
9 – left patch antenna signal strength	10 – right patch antenna signal strength
11 – right SMA antenna signal strength	

4.2 Video source

The HDZero BoxPro can display video from any of 4 sources:

- built-in HDZero digital receiver,
- built-in analog receiver,
- AV in,
- HDMI in.

4.3 HDZero digital receiver

The *Scan Now* option in the main menu will scan the following channels for an HDZero video signal:

- R1–R8, E1, F1, F2 and F4 channels, or
- L1–L8 if low band is selected.

Scan Now will:

- scan the above channels,
- lock on to the channel if there is only one valid channel with a signal,
- let you choose between the channels if it has found two or more channels,
- continue to scan after 5 seconds if no signal is detected,
- wait for a long press of the Enter button to exit to the main menu.

Note 1: To enable low band, set *Source* → *HDZero Band* → *Lowband*. The centre frequencies of L1–L8 are:

Channel	L1	L2	L3	L4	L5	L6	L7	L8
Frequency (MHz)	5362	5399	5436	5473	5510	5547	5584	5621

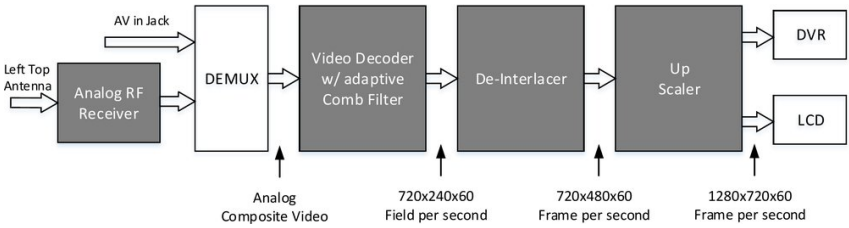
※ Channels L1–L8 lie outside the 5725–5875 MHz band in which video transmitters may be operated in the Czech Republic (max. 25 mW e.i.r.p.). The user is responsible for the VTX frequency and power setting; outside the Czech Republic the regulations of the respective country apply.

Note 2: HDZero provides the lowest and fixed latency when used with the HDZero Nano 90 camera. This camera supports 540p60 mode exclusively. When it is set to 540p60, the goggle needs to be set to *Source* → *HDZero BW* → *Narrow*. All other modes need *Source* → *HDZero BW* → *Wide*.

4.4 Analog receiver

The HDZero BoxPro takes analog video input from either the AV input jack or the built-in analog RF receiver. It uses a novel approach to process the analog input, resulting in improved analog video quality:

- it uses a video decoder with an adaptive comb filter to separate Y/C from the composite video,
- it uses a deinterlacer to convert fields to frames, instead of doubling the interlaced lines,
- it uses an upscaler to record and display the video.



Signal processing path for analog input

4.5 Auto Scan

The HDZero BoxPro has options to let the goggle boot to the desired mode after power on:

After power on	Setting
HDZero	*Main Menu → Auto Scan → Auto Scan = ON | Last, Default = HDZero*
Analog	*Main Menu → Auto Scan → Default = Analog*
Last time	*Main Menu → Auto Scan → Default = Last*

4.6 Fan management

There is one fan on the top of the goggle. It cools the internals and prevents screen fogging. The fan speed can be set to level 1–5, from minimum to maximum speed. There are two control modes:

- **automatic mode** – the goggle firmware will automatically speed the fan up/down,
- **manual mode** – you set the speed manually.

Regardless of the current mode, the fan will go to maximum speed if the temperature sensor reports a reading that is too hot. You can change the fan speed by pressing and holding the Func button. You can monitor the fan speed changes on the goggle OSD to quickly change the amount of air blowing onto your face and the optic lenses while in the Video view.

4.7 Image settings and LCD Auto Off

The goggle has an image processor to fine-tune the video before feeding it to the DVR and display. It includes: *Brightness*, *Saturation*, *Contrast* and *LCD Brightness*.

※ *Brightness* refers to the image brightness processed by the video processor, while *LCD Brightness* pertains to the backlight of the LCD display.

LCD Auto Off: if the goggle detects no movement or no key input for the programmed time (1/3/5/7 minutes), it will dim the LCD display as an alarm, and it will wait for another minute before turning off both the display and the HDZero digital receiver with a short beep. The display and HDZero receiver will resume normal operation if the goggle detects movement or any key input. This feature

can be disabled by setting the waiting time to *Never*.

It is highly recommended to use the LCD Auto Off feature or *Go Sleep* from the main menu to turn off the LCD while not using the goggle.

4.8 DVR

The HDZero BoxPro integrates a DVR for the HDZero digital receiver, analog input (RF or AV in) and HDMI input. These are the DVR options:

- **Automatic record** – the DVR will start to record when it detects a valid HDZero RF signal on the current channel, and stops recording when the signal is no longer detected.
- **Manual record** – the DVR will start/stop only if the Func button is clicked.
- **MP4 or TS format** – MP4 is better supported by many video editing applications. However, MP4 files can be corrupted if the goggle loses power before the file is closed after recording, which can happen if the goggle runs out of battery or the power cord is unplugged unexpectedly. The TS format saves the stream instantly without any risk of corrupted files, even if the goggle suddenly loses power.
- **H.264 / H.265** – the DVR must use H.264 when recording 90 fps video (it records in 1280×720, 90 fps for better quality). It uses H.265 in all other cases.
- **Audio** – you can choose to record audio or not. Audio sources: built-in microphone, Line in (from the Line In/Out jack, aka external microphone) and AV in (from the AV in jack).

The file system on the SD card can be corrupted by a sudden power-off while the goggle is writing data to it. The goggle runs on Linux and does not have a big capacitor that saves power for writing the last bits. The DVR will not work if the SD file system is corrupted.

Tips on how to avoid powering off while recording is ongoing:

- **Auto record mode:** after the quad has landed, either long press the Enter button to switch to menu mode and then power off the goggle, or power off the quad first, wait for 10 seconds and then power off the goggle.
- **Manual record mode:** click the Func button to stop the DVR before powering off the goggle.
- Select *Scan and Fix* if Windows or macOS reports a problem when the SD card is inserted.

	Input source	Recording resolution	Encoder
1	HDZero 60 fps camera	1280×720, 60 fps	H.265
2	HDZero 90 fps camera	1280×720, 90 fps	H.264
3	NTSC	1280×720, 59.97 fps	H.265
4	PAL	1280×720, 50 fps	H.265

	Input source	Recording resolution	Encoder
5	HDMI in	1280×720 (50, 60, 90 fps) 1920×1080 (50, 60 fps)	H.264

▶ **DVR for HDMI in**

- the goggle will automatically start recording,
- recording restarts when the HDMI input resolution changes,
- recording restarts when the recording time reaches 10 minutes,
- recording stops when the HDMI input source is lost,
- recording stops when SD card storage is less than 100 MB or the SD card is ejected.

※ When the source is set to HDMI in, there is no goggle OSD (recording icon, battery status, etc.).

4.9 Playback

The HDZero BoxPro can play back DVR recordings:

- the player lists the most recent recording first; use the Dial up/down to select a file and click to play it,
- on the controller bar, use the Dial up/down to seek the video (5 seconds forward/backward) and click to play/pause,
- long press the Enter button to exit the controller bar, and long press Enter again to exit the player.

※ The player will ignore files that are smaller than 5 MB.

4.10 OSD and tune channel

The goggle supports OSD from the flight controller (FC OSD) and OSD of its own status (goggle OSD). You may select whether both OSDs should be recorded with the video stream in the *Record Options* sub-menu.

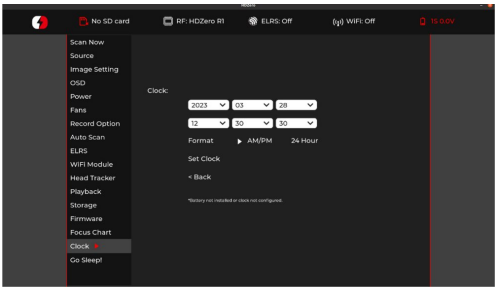
The goggle OSD can be shown/hidden by clicking the Enter button in Video view. The positions of goggle OSD items can be changed in *OSD → Adjust OSD Elements*.

The goggle has built-in OSD fonts for Betaflight, Arduino and INAV. It will automatically load the corresponding font according to the type of flight controller that is connected to the HDZero video transmitter. You can also customize the FC OSD by putting bitmap files in the *resource/OSD/FC* folder in the SD card root directory.

Tune channel: by dialling up/down, the video channel number can be tuned in Video view for the HDZero receiver input. This can be disabled by putting a file named *no_dial.txt* in the SD card root directory before booting up.

4.11 Real Time Clock (RTC)

The HDZero BoxPro is equipped with a Real Time Clock. For initial setup, the RTC can be configured on the *Clock* page, which sets both the system clock and the hardware clock when you use the *Set Clock* function. Otherwise, when the goggle boots up, it defaults to the date and time last set with *Set Clock*.



Clock page in the menu

The pre-installed battery may eventually die and can be replaced with an aftermarket **CR1220** battery. After replacing the battery, you need to invoke the *Set Clock* function to set the correct time and date.

The user assumes full responsibility for any damage incurred while opening the goggle to install a replacement battery.

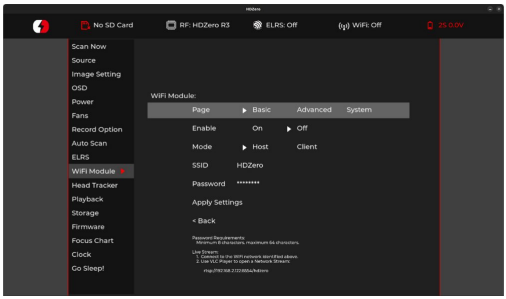
5. WiFi module and ESP32 Backpack (optional)

※ This chapter only applies to goggles fitted with the WiFi / ESP32 module (BoxPro+).

5.1 WiFi module

The HDZero BoxPro supports WiFi video streaming to a smartphone, desktop or laptop if it includes the WiFi/ESP32 module. Multiple devices can wirelessly connect to the goggle and receive the video simultaneously.

Control over the behaviour of the WiFi module is completely managed from within the *WiFi Module* page. You can configure the goggle as a **Host** (access point) or a **Client** (join network). The page has *Basic*, *Advanced* and *System* sections.



WiFi Module page – Basic

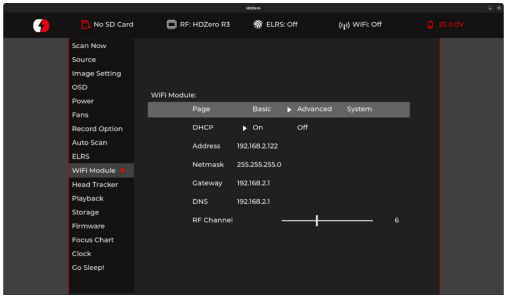
▶ Basic

- *Enable* – powers the WiFi module hardware on or off.
- *Mode* – Host (access point) or Client (join network).
- *SSID* – host and client network names can be specified individually based on mode.
- *Password* – host and client network passwords can be specified individually based on mode; the password requires a minimum of 8 characters.
- *Apply Settings* – stores and configures the WiFi module hardware with the modified settings.

▶ Advanced

- *DHCP* – only applies to Client mode. The specified address will be requested from the network; ultimately it is up to the router – if the requested address is not in use, it will be used.
- *Address* – network IP address (Host and Client modes).
- *Netmask* – network subnet mask (Host and Client modes).
- *Gateway* – network gateway IP address (Host and Client modes).

- *DNS* – Domain Name Service IP address.
- *RF Channel* – only applies to Host mode; specifies the radio frequency channel used for communication.



WiFi Module page – Advanced

▶ System

- *Root PW* – updates the root password for the goggle (applies to SSH and SCP communication).
- *SSH* – enables/disables SSH access to the goggle; disabled by default as a security precaution.

If either the Basic or Advanced page is modified, return to the Basic page and select Apply Settings in order to configure the WiFi module.

5.2 Video streaming

To establish a wireless video stream to a smartphone or computer, follow these steps:

① The *Basic* page contains the information needed to connect: in Host mode, join the goggle's wireless network using the SSID and Password fields; in Client mode, refer to your wireless access point user manual.

② Install the VLC app (or a similar app that supports RTSP) on your device.

③ Open the app, choose *Open Network Stream* and type the RTSP URL shown in the footnote of the Basic page. Default address (if the Advanced page has not been modified): **rtsp://192.168.2.122:8554/hdzero**

※ Video latency is expected due to networking protocols, the buffering scheme of the app and the OS platform. Do not use the stream to pilot the drone.

5.3 ESP32 Backpack

The built-in ESP32 Backpack (ExpressLRS) achieves:

- setting the channel number of the built-in HDZero or analog receiver depending on the source input,
- wireless head tracking,

- start/stop of the DVR using a radio switch.

▶ Update BoxPro Backpack firmware

① Create a folder named *ELRS* in the root directory of the SD card.

② In ExpressLRS Configurator, switch to the *Backpack* menu.

③ Select the same release version as the radio backpack.

④ Select the target *HDZero Goggles → Built-in ESP32 Backpack*.

⑤ Set the same binding phrase as the radio backpack, otherwise your backpack needs to be bound manually.

⑥ Build the firmware. When completed, a folder containing 4 files pops up – *boot_app0.bin*, *bootloader.bin*, *firmware.bin*, *partitions.bin*. Copy them to the ELRS folder on the SD card.

⑦ Insert the SD card into the goggle and flash the Backpack firmware via *Firmware → Update ESP32*.

5.4 Bind BoxPro and radio, DVR via radio switch

Flash the ELRS TX module of your radio to the same version as the BoxPro Backpack firmware (refer to the official ELRS TX Backpack setup guide). If the binding phrase of the goggle is different from the radio, you need to bind manually for first use:

① Goggle: *ELRS → Backpack = On*

② Goggle: *ELRS → Bind*

③ Radio: *ExpressLRS Lua → Bind*

After a few seconds, the goggle will display success when binding is complete.

▶ Start/stop DVR using a radio switch

① Goggle: *Record Option → Record Mode = Manual*

② Radio: *ExpressLRS Lua → Backpack → DVR Rec = AUXn↑ | AUXn↓*, where *n* is the AUX channel number of the switch on the radio.

5.5 Further ExpressLRS documentation

Official ExpressLRS documentation – setup, binding, Lua script and Backpack. Scan the QR code or visit www.expresslrs.org.

Backpack setup is described in the Backpack section of the official ExpressLRS documentation.

6. Goggle firmware update

Download the latest firmware *HDZEROBOXPRO_Revyyyymmdd.zip* from the HDZero download site (www.hd-zero.com) and unzip it.

Firmware file	Usage
HDZERO_BOXPRO-*.bin	flash firmware from the menu
Recovery/HDZB_OS.bin Recovery/HDZBOX_RX.bin Recovery/HDZBOX_VA.bin	emergency recovery

The goggle can be bricked in some rare cases – please follow the emergency firmware update process to de-brick it. Otherwise, follow the normal firmware update process.

▶ Normal goggle firmware update process

① Disconnect all cables from the goggle, keep only the power cable.

② Copy *HDZERO_BOXPRO-*.bin* to the root directory of an SD card formatted as FAT32, and make sure there is no previous firmware in the root directory.

③ Power on the goggle.

④ Go to *Main Menu* → *Firmware* → *Update Goggle*; the display will show the current version.

⑤ Wait for completion (about 3 minutes), then power off. Done.

▶ Emergency firmware update process

① Disconnect all cables from the goggle, keep only the power cable.

② Extract *Recovery/HDZB_OS.bin*, *Recovery/HDZBOX_RX.bin* and *Recovery/HDZBOX_VA.bin*, copy them to the root directory of a FAT32-formatted SD card and insert the SD card into the goggle.

③ Power on the goggle, wait for 5 minutes, then power off. Done.

※ HDZB_OS.bin, HDZBOX_RX.bin and HDZBOX_VA.bin will be removed from the SD card if the update is successful.

Do not switch off or disconnect the power during the update.

7. Maintenance, troubleshooting and support

7.1 Maintenance and storage

- Clean the lenses only with a soft microfibre cloth (included) or wipes for glasses. Do not use solvents or paper tissues.
- Carry and store the goggle in the supplied bag, in a dry place away from direct sunlight.
- Unscrew the SMA antennas before storage to avoid damaging the connectors.
- Keep the foam padding clean and replace it when worn.

7.2 Troubleshooting

Problem	Possible cause / solution
Goggle does not boot or keeps rebooting	Check the supply voltage and polarity. A cable with a voltage regulator may not supply enough current (chapter 3.3). After reverse polarity, allow the self-resetting fuse to reset.
No HDZero image	Check the video source, channel and band (Low Band). With the Nano 90 camera in 540p60 mode set HDZero BW = Narrow, otherwise Wide.
HDMI input does not work	Check the source settings, try another cable and another source.
DVR does not record	The SD card file system may be corrupted – check it on a computer (Scan and Fix). Check the free space on the card.
Fogged display	Increase the fan speed by pressing and holding the Func button.
Goggle does not boot after an update	Use the emergency recovery (chapter 6).

7.3 Support

Support should be attempted in the following manner:

① Read this manual first.

② HDZero community: Facebook facebook.com/groups/hdzero, Discord discord.gg/VSkXzkKPHt.

③ Manufacturer technical support: support@divimath.com.

④ For claims and purchase-related questions contact your seller – the importer's contact details are given in chapter 8.1.

8. Information for the EU and Czech Market

8.1 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

8.2 Product conformity

CE

- The product bears the **CE** marking and complies with the requirements of the applicable European Union harmonisation legislation.
- A copy of the **EU Declaration of Conformity** is available from the importer at the address stated above or at the e-mail address info@rotorama.cz.
- **Product identification:** the type designation (HDZero BoxPro) and the serial number are given on the product or its packaging; the firmware version number is shown in *Firmware → Update Goggle*.

8.3 Disposal of electrical equipment and batteries



- 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 product contains a built-in CR1220 coin cell battery (real-time clock). Where possible, hand it over together with the device – do not dispose of the battery in mixed waste or in fire.
- 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.

9. Warranty and rights arising from defective performance

9.1 Rights of the buyer under Czech law

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 manufacturer's warranty terms set out below (Chapter 9.2) **do not in any way limit** the buyer's rights arising from these regulations.

- 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 8.1.
- 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.

9.2 Manufacturer's warranty terms

❊ The following text is the manufacturer's original warranty statement.

The HDZero BoxPro can be exchanged for a new unit within 7 days for any manufacturing defects if returned in new condition. The optic module will be warrantied for repair for 12 months, and all other components, for 2 years, if there are no signs of excessive use. Buyer will be responsible for shipping costs. If beyond the warranty period, we will provide repair services for a cost. For assistance with warranty issues, please contact support@divimath.com.