

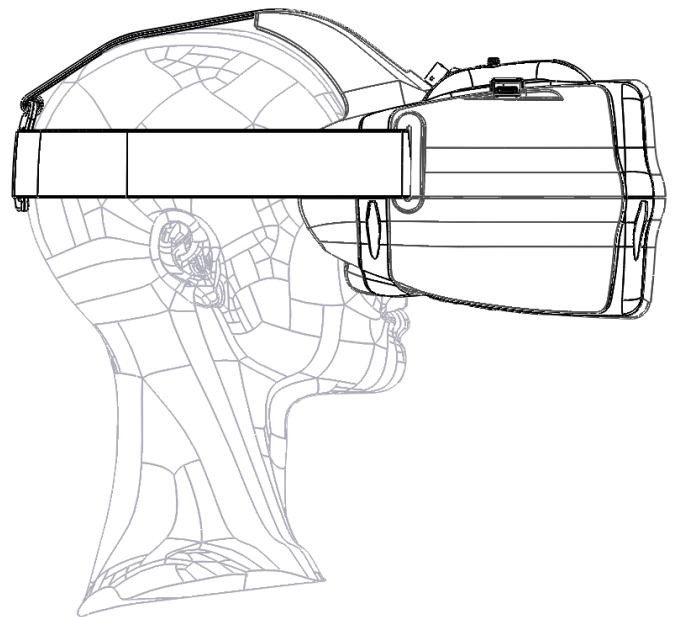
HeadPlay Head Mounted Display Overview

The headset is to be used by drone pilots to view live wireless video signal transmitted from the model. The Headplay HMD gently rests on the forehead/cheeks, spreading the weight out evenly. Three straps securely hold the HMD in place while at the same time blocking light entering from the outside. The end result is a cinematic experience. There is an integrated 5.8 GHz receiver with easily accessible channel and menu controls.

More details:

The new HeadPlay HD FPV Headset is packed full of features that every FPV enthusiast will enjoy. This headset was designed from the ground up with the FPV pilot in mind with quality, performance and comfort at the forefront. The headset gently rests on the forehead/ cheeks spreading the weight out evenly as compared to many other video goggles which rest on the bridge of the nose. Three straps securely hold the HeadPlay HD in place while at the same time blocking light entering from the outside. The end result is a cinematic experience that is sure to impress. This headset is a great choice for FPV pilots that struggle to find traditional FPV goggles that meet their inter pupillary distance (IPD). Instead of each eye having to look through separate monitors, the new HeadPlay HD presents the pilot with one large screen. We've tested the HeadPlay HD with eye glasses and were able to make it work, even though the HeadPlay HD does not officially support wearing eye glasses at the same time.

There is an integrated 40 ch 5.8 GHz receiver combined with easily accessible channel and menu controls. The smart menu is a breeze to use, even while flying. Easily connect HD video sources like the DJI Inspire, LightBridge, Parallax, Teradek or even a PC to the headset via the HDMI input. You can also connect a composite A/V source via the AV2 input.



Headplay HD Specifications

Picture

- Screen resolution: 1024 x 600
- Field of View: 72 degree
- Fully adjustable picture via intuitive menus
- 4:3 or 16:9 aspect ratio selectable

General

- Control via button panel (distinct button design for "blind" operation)
- Rugged design with extremely durable materials
- Very high comfort
- Adjustable straps
- Different density foam pads allow you to adapt the goggles to your needs.
- Weight: 400 g (excluding battery)
- Easy to clean optics
- Built-in speaker with volume control

Electrical Properties

- Current consumption 340mA@12V
- Supply voltage: 6-15 V Recommended 2S LiPo
- Reverse voltage protection

Connections


- HDMI type C (HDMI-in)
- XS9JK (latched high end connector): Power Supply, Video-in, Video Out, Ground, 5V out
- Video input: RCA male
- Power: XT60
- RF: SMA antenna connector
- Video input: RCA male

Integrated Features

- 40 channel 5.8 GHz A/V receiver
- 8 segment display to indicate channel
- Sensitivity: -90 dBm
- Frequencies (MHz):
 - Band A: 5865, 5845, 5825, 5805, 5785, 5765, 5745, 5725
 - Band B: 5733, 5752, 5771, 5790, 5809, 5828, 5847, 5866
 - Band C: 5705, 5685, 5665, 5645, 5885, 5905, 5925, 5945
 - Band D: 5740, 5760, 5780, 5800, 5820, 5840, 5860, 5880
 - Band E: 5658, 5695, 5732, 5769, 5806, 5843, 5880, 5917

Included

- DVR for recording analog video feed
- 2 Different lenses (to adapt to personal immersion wishes)
- 30 cm Cable (1 foot) with barrel type battery connector
- 250 cm Cable (8 feet) with AV-in, Audio in and barrel connector
- 2 Face foam packs (different densities to allow comfort adjustment)
- Carrying bag



Electronics integrated in top cover

Button panel

This image shows a VR headset from a top-down perspective. An orange circle highlights the top cover area, which contains a button panel with several directional buttons and a red power button. An arrow points from the text 'Electronics integrated in top cover' to this area. Another arrow points from the text 'Button panel' to the same area. The headset has a black strap and a black plastic bottom housing.

Button panel



Plastic top cover

Rugged foam bottom housing

Plastic bottom cover

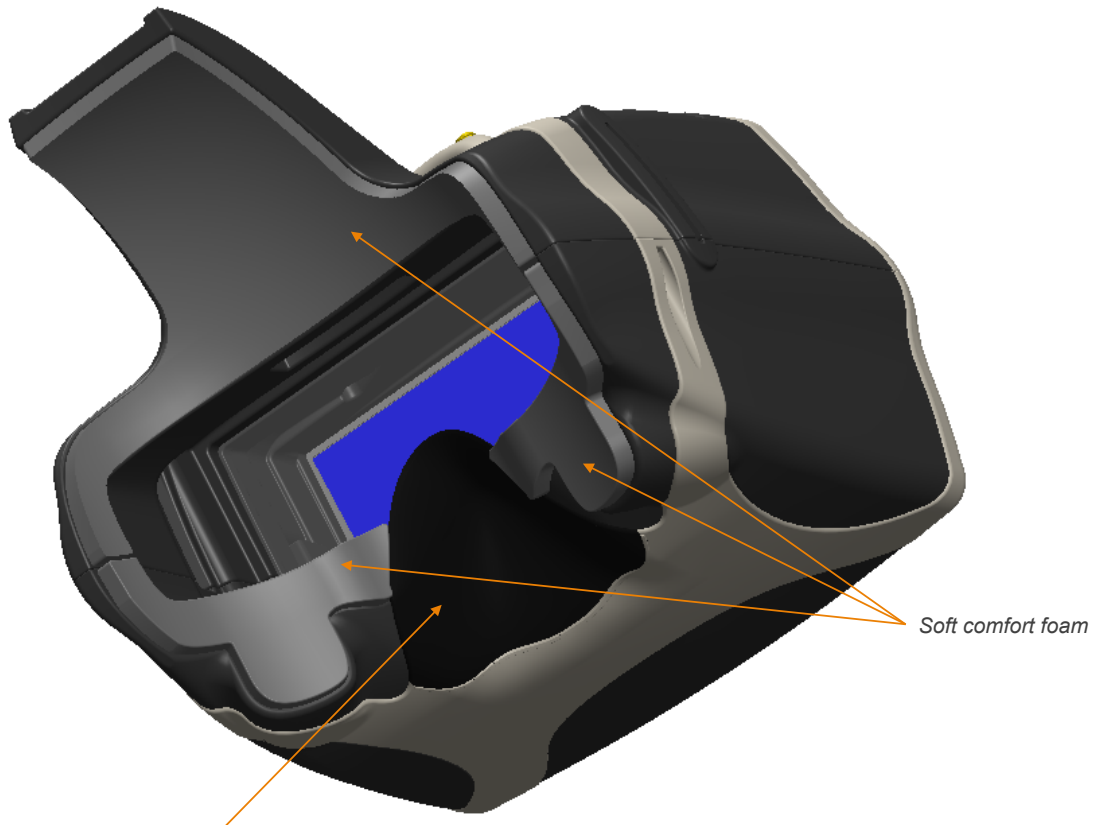
Rugged foam top housing

This image shows the same VR headset from a bottom-up perspective. Four callouts with orange arrows point to different parts of the headset: 'Plastic top cover' points to the top surface, 'Rugged foam bottom housing' points to the bottom surface, 'Plastic bottom cover' points to the bottom edge, and 'Rugged foam top housing' points to the top edge. The headset features a black strap and a central beige-colored button panel.

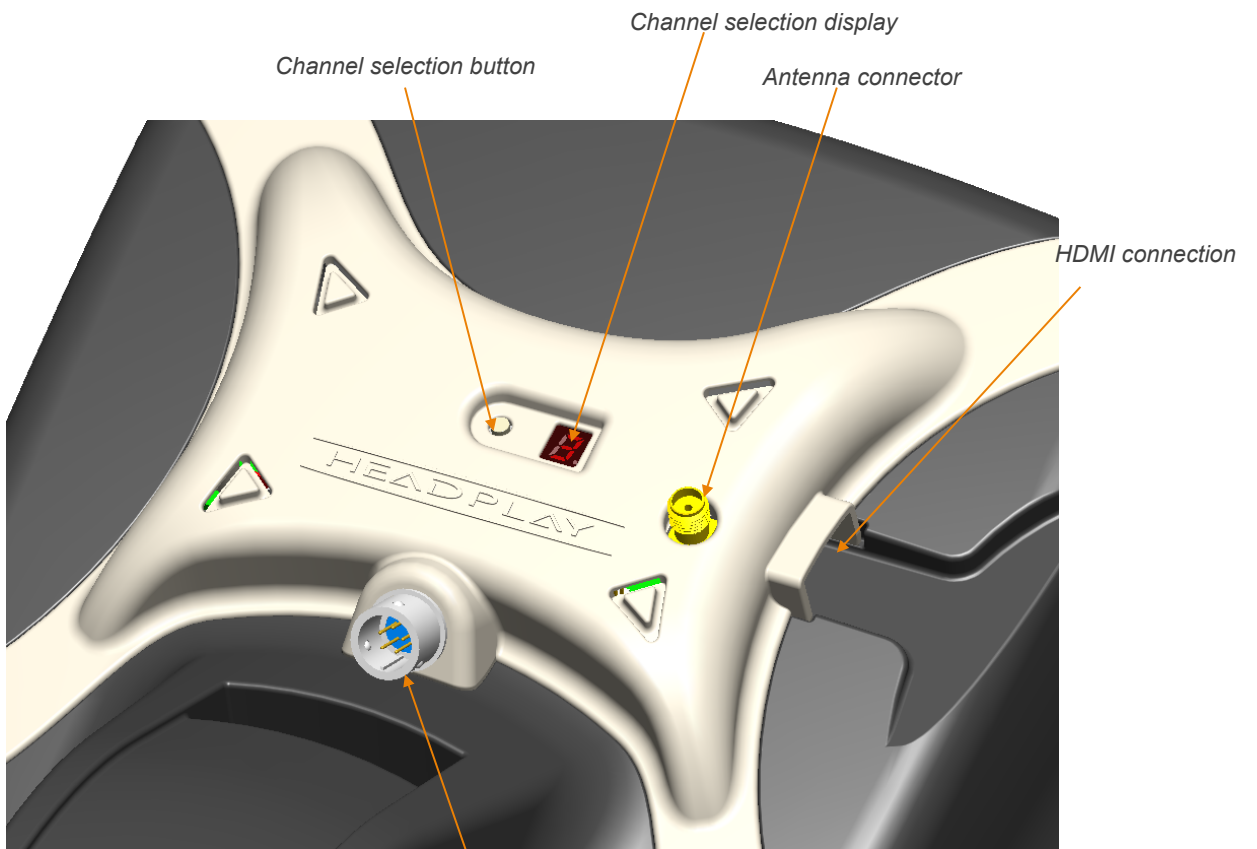
Rugged foam bottom housing

Plastic bottom cover

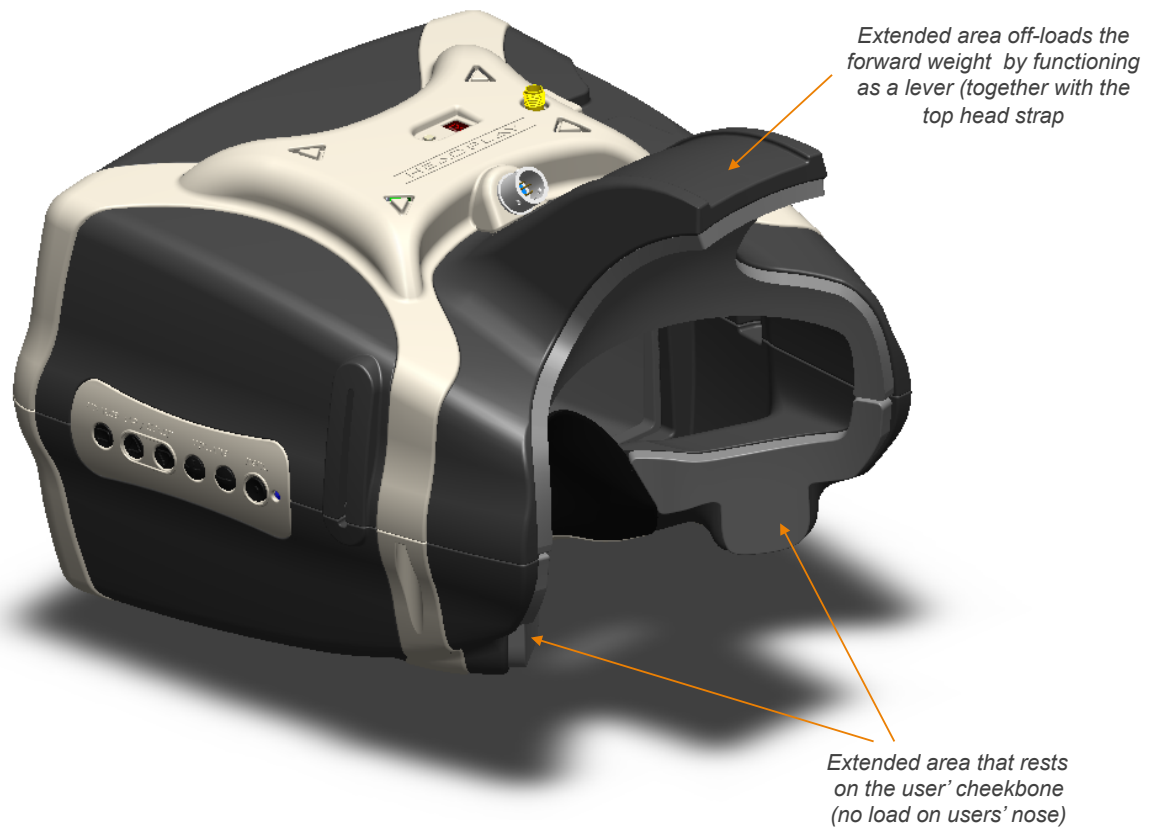
Rugged foam top housing



Black anti reflection area (part of the bottom plastic cover) This nose area stops the internal lens and display from fogging by direction down the exhalation air. It is painted black to avoid light reflections



Connector for power supply and Audio/Video-in



Headplay SE power input

6.0V- 16.8V

Battery power:

You can power the Headplay with a 2S - 4S Li-Po battery. The 2.1mm barrel plug is center pin positive.

Video input

There are three video inputs:

(AV1) 5.8GHz 40 channel integrated receiver

(AV2) DVR or connect an external video input with the external video harness

HDMI IN

To cycle between video inputs press the SOURCE button. To change the channel of the AV1 5.8GHz receiver, press the small black button. To change the band, press and hold the small black button.

The blinking letter (a,b,c,d,e) indicates the band. The number indicates channel.

- Band a: 5865, 5845, 5825, 5805, 5785, 5765, 5745, 5725
- Band b: 5733, 5752, 5771, 5790, 5809, 5828, 5847, 5866
- Band c: 5705, 5685, 5665, 5645, 5885, 5905, 5925, 5945
- Band d: 5740, 5760, 5780, 5800, 5820, 5840, 5860, 5880
- Band e: 5658, 5695, 5732, 5769, 5806, 5843, 5880, 5917

Auto-scan will check all available channels and to find the strongest signal. To start Auto-scan, hold the small black button for 5 seconds and let go. Make sure your 5.8GHz video transmitter is running.

Auto-scan automatically scans the bands and channels and chooses the one with the highest RSSI level.

Warnings :

Pressing SOURCE button longer than 5 seconds will access the factory menu. This menu is for adjusting advanced settings like overscan. **Do NOT select the “burn mode”** option, as this will permanently lock the goggles into a test mode. The only way to exit burn mode is to re-flash the firmware which requires USB update cable and disassembling the goggles.

To clean the lens : gently wash with warm soapy water . Blow dry with slightly warm air or compressed air. Do not use hot air. Do not rub the grooved side of the lens.

It is OK to use the goggles without the 5.8Ghz antenna connected.

It is normal for the 5.8GHz receiver to get hot during operation.

DVR Specifications

1. Size:41mm*31mm*9mm
2. Weight: Only 9g
3. Operating Voltage:DC 5V
4. Video Format: PAL/NTSC
5. Video Output Size: VGA (640×480PX) D1(720X480) HD(1280X480)
6. Light frequency: 50HZ/60HZ
7. Compress Format: MJPEG
8. Records frame rate: 30Frames
9. Max support 32G TF Card

Video recording

1. LED solid red means power OK
2. Short press "REC" one time, The LED flashing , means recording is active.
3. Short press "REC" once again, The LED stop flashing , means stopped video recording.

To view the DVR menus and playback videos, it is necessary to swith the Headplay video source to AV2.

Replay mode

1. Long press "VCR" for 3 seconds to enter into Replay mode
2. Short press "REC" and "VCR" to select the video,and press "MENU" to Play or Pause, Press "REC" to Forward and "MENU" to Rewind when playing . And hold pressing "MENU" enter into Submenu, include "Delete video" "Volume set" Hold pressing "MENU" again to exiting Submenu and Replay mode

Main menu

- 1、 Short press "MENU" to enter into Main menu
- 2、 Press "REC" to prev ,"VCR" to next. Press "MENU" to Enter
- 3、 Video recording time to choose, you can choose 10minutes,20minutes,30minutes;
- 4、 Reset Default setting
- 5、 Language choose
- 6、 Hold pressing "MENU" to exiting Main menu

Warranty and returns

Headplay HD include a one-year parts and labor warranty. This warranty is intended for end users of the products and includes normal wear and tear. It does not include physical damage caused from neglect or misuse of the product.

We have designed the HD goggles to be very easy to service. There are only two circuit boards inside the plastic housing. The main enclosure is made from automotive grade EPP. Four Philips head screws hold the top and bottom housing.

Contact:

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Headplay HD Pricing

MSRP

Retail price 249.99US