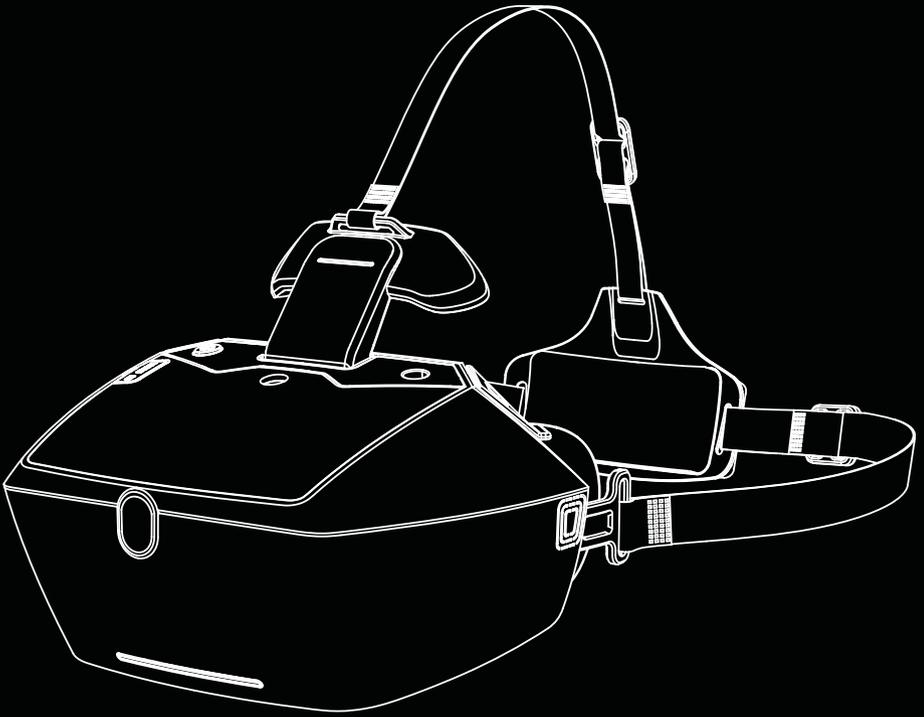


SWAGTRON®

SWAGDRONE™

4-UP

QUICK START GUIDE



SAVE THIS GUIDE FOR FUTURE USE

www.SWAGTRON.com

Thank you for your purchase of the 4-UP by SWAGTRON®!

You're about to take the next step in the evolution of VR. The 4-UP takes the fun of drone racing, the visuals of a VR headset, and tops it off with an extra bit of swag.

To ensure your safety and the safety of others, please read and follow the guidelines in this User Manual carefully and thoroughly before using your 4-UP.

If you have any questions regarding the SWAGTRON®, contact us at 1-844-299-0625 for further assistance.

Happy Flying!

- The SWAGTRON® Team

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1.0 Specifications

Image Resolution:	Actine Array 3 x 800 x 480 pixels
Pixel Size:	45umx135um/color dots pitch
LCD Size:	5.0" (diagonal)
Working Voltage:	DC 5V
Built-in Battery:	7.4V 1200mAh LiPo
Work Time:	Over 120 minutes
Size:	184 (L) x 149 (W) x 144 (H) mm
Weight:	528g
Working Temperature:	32°F ~ 113°F
Storage Temperature:	-4°F ~ 158°F

2.0 Main Features

- + Built-in 5.8G, 5-band module that receives 40-different channels
- + Compatible with all standard (NTSC ver and PAL ver) video signal
- + Supports both AV input and output
- + Fully adjustable image brightness, chroma, and contrast
- + High-tech precision optical components designed to help prevent visual fatigue
- + Ergonomic body style and light weight make it easy to carry and comfortable to wear
- + Compatible with SWAGDRONE™ models 210-UP and 150-UP

3.0 Safety Tips

Before usage, make sure that the 4-UP's battery is fully charged.

To reduce the risk of fire, electric shock or product damage, do not allow the product to come into contact with water or any other type of liquid or objects filled with any type of liquid. Please avoid dropping the product, shaking the product, or allowing it to experience significant collisions as any of these circumstances may lead to damage of the product or abnormal display.

Please avoid using the product in especially cold, hot, dusty, and/or humid environments. In the following places, please take exercise caution so as not to cause the product to malfunction, (1) places with significant amounts of sand or dust and (2) places near water such as lakes or beaches etc. Clean the lens with non-abrasive cloth if dust or debris is found on the lens or another part of the product.

Do not to store the product in over-crowded bags or places where it may be bumped during transportation.

It is recommended to remove the product and rest every 50 minutes. Discontinue the use of this product if you experience any type of nausea or pain and/or eye irritation. If either of these conditions are experienced when using this product, do not use it and consult a licensed medial professional for evaluation and/or advice.

4.0 Box Contents

Swagdrone 4-UP Racing Quadcopter Goggles



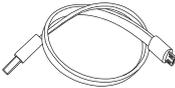
5.8G Antenna A



5.8G Antenna B



5V Power Cable



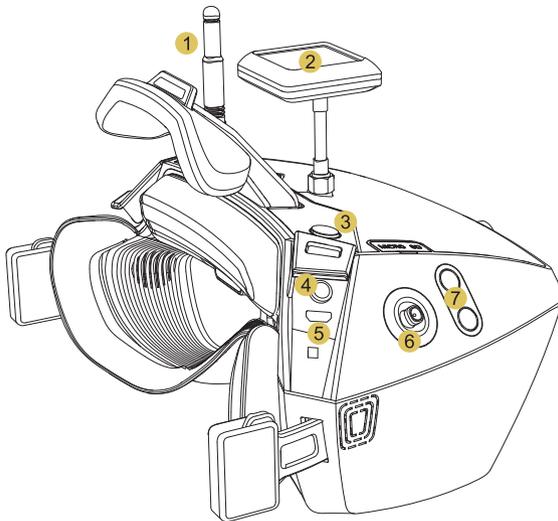
Charger



User Manual



5.0 Product Overview



1. 5.8G Antenna A

2. 5.8G Antenna B

3. Receiver Module Switch

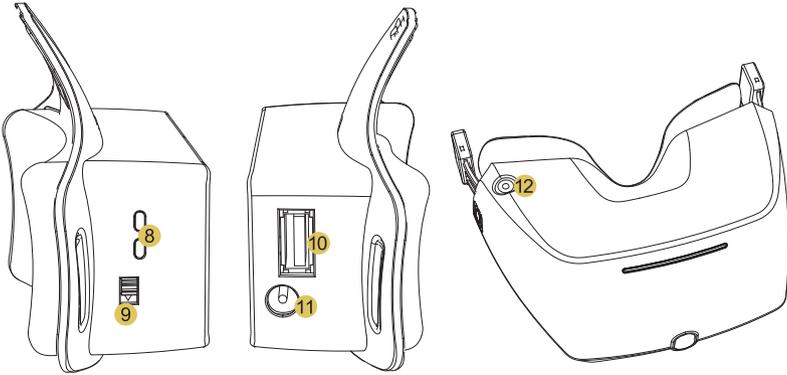
4. AV Output Port

5. 5V Input Port

6. Composite Function Keys

(Band Selection / Brightness, Chroma,
Contrast Adjustment / Language Selection
/ Reset)

7. Channel Selection



8. Charging Indicator Light
(Red, Green)

9. Power Switch

10. 5V Output Port

11. Charger Socket

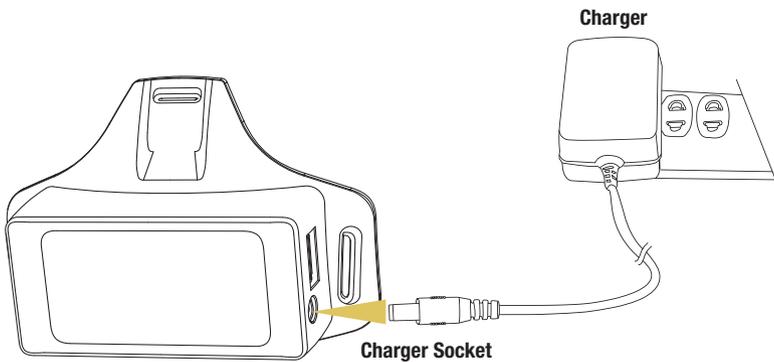
12. AV Input Port

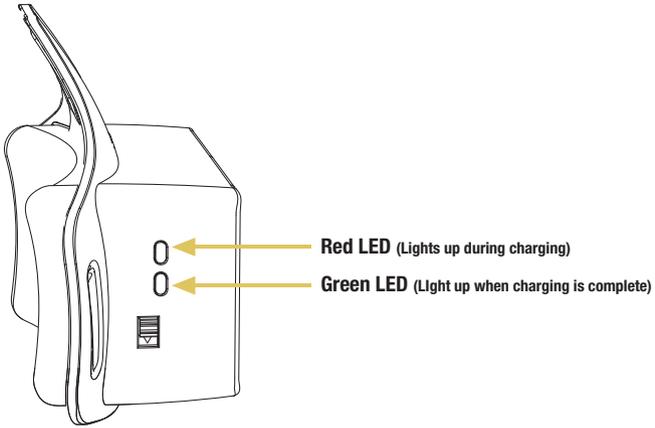
6.0 Charging Instructions



• *If the 4-UP has a low voltage, it must be recharged.*

1. Plug the Charger into a suitable wall outlet (100~240V 50/60Hz).
2. Insert the Charger plug (DC 9V~18V) into the 4-UP's Charger Socket.

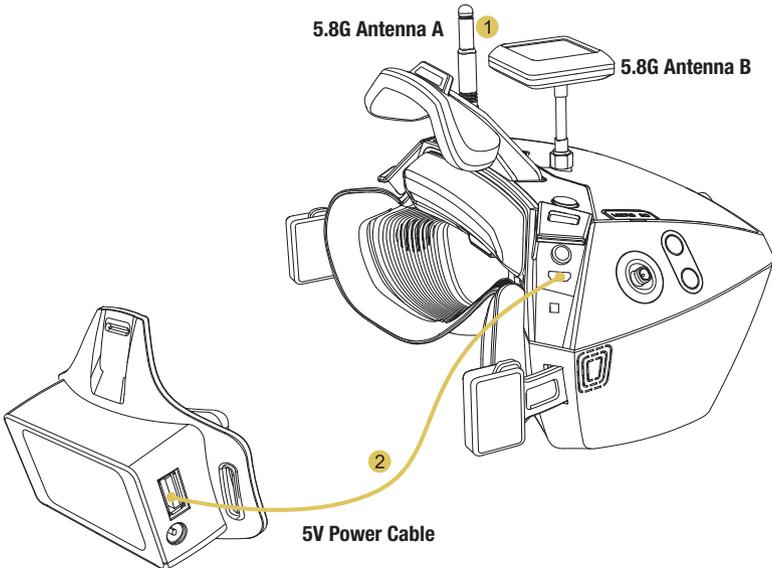




- Do not charge in or expose the 4-UP to environments that are subject to extreme temperature fluctuations.

7.0 Setting Up the Goggles

1. Install both 5.8G Antennas on top of the 4-UP.
2. Plug the 5V Power Cable into 5V Output Port and 5V Input Port.



8.0 Band & Channel Table

This equipment comes with 5 bands and 40 channels for option. Please select and use the channel according to your usage needs.

Band	Corresponding frequency							
	1	2	3	4	5	6	7	8
Band B	5866MHz	5847MHz	5828MHz	5809MHz	5790MHz	5771MHz	5752MHz	5733MHz
	9	10	11	12	13	14	15	16
Band A	5725MHz	5745MHz	5765MHz	5785MHz	5805MHz	5825MHz	5845MHz	5865MHz
	17	18	19	20	21	22	23	24
Band E	5945MHz	5925MHz	5905MHz	5885MHz	5865MHz	5845MHz	5825MHz	5805MHz
	25	26	27	28	29	30	31	32
Race	5658MHz	5695MHz	5732MHz	5769MHz	5806MHz	5843MHz	5880MHz	5917MHz
	33	34	35	36	37	38	39	40
IRC/FS	5740MHz	5760MHz	5780MHz	5800MHz	5820MHz	5840MHz	5860MHz	5880MHz

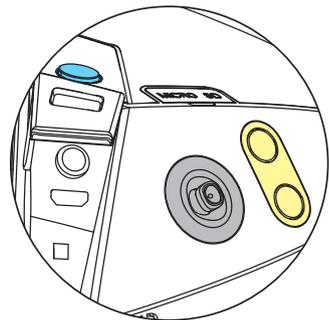
9.0 Receiving 5.8 Transmission

☰ Images can be received only when the 5.8G receiving channel is consistent with 5.8G transmitting channel.

Refer to Section 8 to check 5.8G receiving channel info.

When the 4-UP's screen flashes "Batt: 7.2V", recharge it.

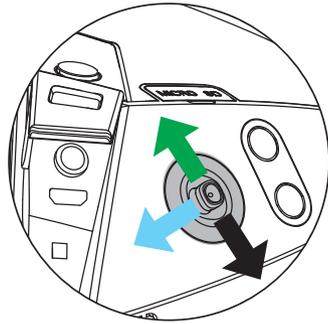
1. Use the Power Switch to turn the 4-UP on.
2. Quick-press the **CF Key**, use the **Channel Selection Buttons** to manually select the 5.8G receiving channel so that it matches the transmitting channel and then press the **Receiver Module Button** to turn the module on (if needed).



10.0 Brightness, Chroma, & Contrast Adjustment

To adjust these settings, move the CF Key in different directions.

Brightness, Chroma, & Contrast: Open the menu by moving the key back; see the **blue** arrow in the adjacent image. Move the key up or down to make a selection; see the **green** and **black** arrows in the adjacent image.



Language Selection: Open the menu by moving the key back; see the **blue** arrow in the adjacent image. Move the key up or down to make a selection; see the **green** and **black** arrows in the adjacent image.

Reset: Open the menu by moving the key back; see the **blue** arrow in the adjacent image. Press the CF Key to confirm.

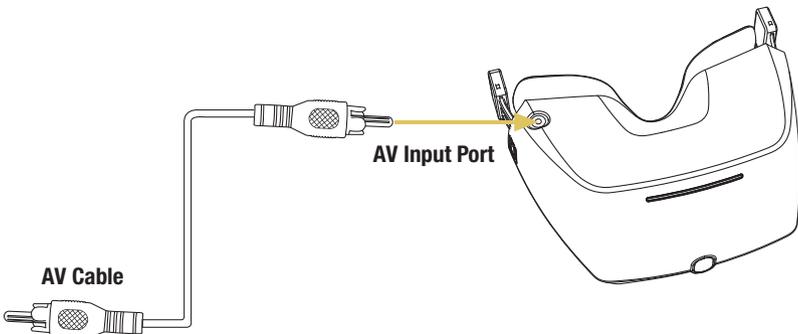
☰ Gradually adjust according to the image and desired effect.

11.0 AV Input / Output Function

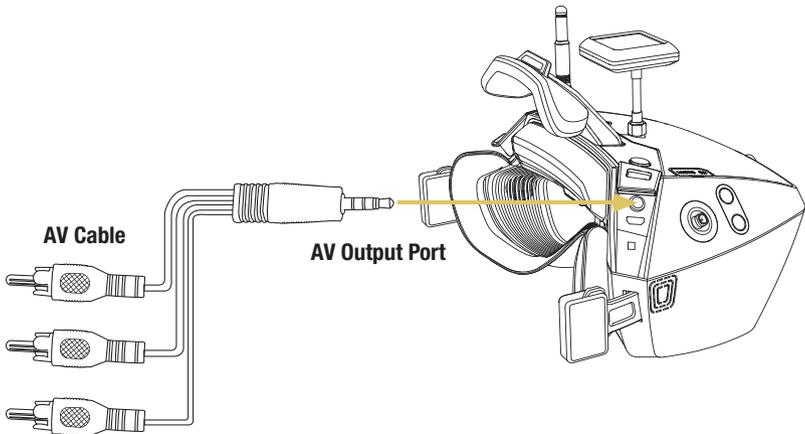
This function is useful if you desire to send or receive signals to or from the Swagdrone 4-UP. For example, you can use output to connect to a DVR and record videos or connect to a monitor to display the image and sound from the 4-UP.

☰ When using AV input, switch from the 5.8G receiver module to AV by pressing the Receiver Module Button.

AV Input: Receiving composite video and analog audio signals from external devices will require AV input. Use an AV cable to connect the 4-UP and an external device via the AV Input Port.



AV Output: Sending the 4-UP's signal to external devices will require AV output. Use an AV cable to connect the 4-UP and an external device via the AV Output Port.



 AV cables not included.

12.0 Troubleshooting

No image on the display

1. Check to ensure the 4-UP is receiving power and the receiving module has been turned on.
2. Ensure that the 4-UP's receiving channel is consistent with the transmitter's channel.
3. Ensure the transmitter (if using one) has adequate power.
4. Ensure all cables are properly connected and all plugs are fully inserted.
5. Ensure all antennas from the 4-UP and the transmitter (if using one) are properly installed and extended.

Image quality is poor and/or wireless transmitting range is short

1. Check surroundings for other transmitting devices that may be working on the same frequency. Select another frequency to prevent interference or use your 4-UP in another location.
2. Ensure all antennas from the 4-UP and the transmitter (if using one) are properly installed and extended.
3. Ensure there are no large obstacles between the 4-UP and any transmitter (if using one) including buildings, trees, hills etc. For optimal performance, only use the 4-UP in wide, open spaces.

13.0 Warnings & Information

It is important that you follow all instructions and regard all notes that appear throughout this manual.

13.1 Safety Warnings

- +Always remove the battery to turn the product off before transporting or storing.
- +Store the product indoors at a dry and stable temperature. Do not store in an unheated garage, shed, or other location with extreme temperature fluctuations.
- +Before using the product, remove all objects which may easily sustain or cause damage if bumped during flight.
- +Clean the outside with a dry, non-abrasive cloth only. Do not spray water or liquids onto the product.
- +Do not leave children or animals unsupervised around the product.
- +Do not place the product near any source of significant heat or combustible materials.
- +This product is for outdoor use only.
- +Properly dispose of all packaging material. Some items may be packed in plastic bags or material and may cause suffocation or injury to pets or children.
- +Do not place heavy weight on the product or any of its accessories.
- +Do not place anything inside the product other than battery as described in this manual.
- +Do not use the product for any purpose other than described in this user manual.

13.2 Disposal at End-of-Life

This product must not be disposed of by incineration, landfilling, or mixing with household trash. Improper disposal of the battery contained within this product may result in the battery heating up, rupturing, or igniting which may cause serious injury. The substances contained inside the battery present chemical risks to the environment. The recommended disposal for any SWAGTRON® product at its end-of-life is to dispose of the entire unit at or through an e-waste recycling center, program, or facility. Local regulations and laws pertaining to the recycling and disposal of lithium ion batteries and/or products containing them will vary according to country, state, and local governments. You must check laws and regulations corresponding to where you live in order to properly dispose of the battery and/or unit. It is the user's responsibility to dispose of their waste equipment properly with accordance with local regulations and laws.

For additional information about where you should drop off your batteries and electrical or electronic waste, please contact your local or regional waste-management office, your household waste disposal service, or your point-of-sale.

13.3 FCC Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Modification or changes to this equipment not expressly approved by Radio Systems Corporation may void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a specific installation. If interference does occur to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- +Reorient or relocate the receiving antenna.
- +Increase the separation between the equipment and the receiver.
- +Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

Consult customer care, the dealer, or an experienced radio/TV technician for help.

14.0 Warranty

One Year Limited Hardware Warranty

Your SWAGTRON® 4-UP ("Product") includes a One Year Limited Hardware Warranty ("Warranty"). The Warranty covers product defects in materials and workmanship under normal use. This Warranty is limited to residents of the United States and Canada only and is available only to original purchasers. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This Warranty starts on the date of your purchase and lasts for one year (the "Warranty Period"). The Warranty Period is not extended if the Product is repaired or replaced. We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive.

Warranty services are provided by SWAGTRON®. If a hardware defect arises and a valid claim is received within the Warranty Period, at its option and to the extent permitted by law, SWAGTRON® will: (1) repair the hardware defect by using new or refurbished parts that are equivalent to new in performance and reliability; or (2) exchange the Product with a product that is new or refurbished which is substantially equivalent to the original product. This Warranty is for one replacement only of like-items and does not cover items out of production if the product is no longer made or stocked. This Warranty is not assignable or transferable. The original purchaser may call SWAGTRON®'s toll-free number at 1-844-299-0625 for service request.

When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes SWAGTRON®'s property. This warranty only covers technical hardware defectiveness during the warranty period and under normal use conditions. SWAGTRON® does not warrant uninterrupted or error-free operation of this Product.

This Warranty does not cover any damage due to: (a) transportation; (b) storage; (c) improper use; (d) failure to follow the product instructions or to perform any preventive maintenance; (e) modifications; (f) unauthorized repair; (g) normal wear and tear; or (h) external causes such as accidents, abuse, or other actions or events beyond our reasonable control.

Important: Do not disassemble the Product. Disassembling the Product will void this Warranty. Only SWAGTRON® or a party expressly authorized by SWAGTRON® should perform service on this Product.

DISCLAIMER OF WARRANTY: THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND OUR ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY. OUR LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT, NOR SHALL WE UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THE DURATION AND REMEDIES OF ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY.

