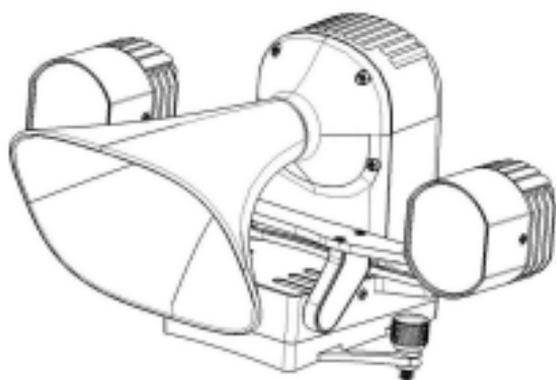# DU4 Speaker And Lighting System

User Manual V1.0

2024.01

Reading Prompt

Precautions for use

1. Keep your eyes away from the spotlights.
2. Do not block the rear cover heat sink or deform the heat sink structure.
3. Do not interfere with the stability of the head lamp.
4. Do not touch the main body of the lamp holder with bare hands.
5. Wear hearing protection for close use.
6. Please try to avoid using the equipment for a long time in extreme environment to extend the service life of the equipment.
7. This product is a high-power equipment with high energy consumption and serious heat,
please pay attention to safety while using it.
8. Please put the equipment into a special safety box after use to avoid damage caused by scratches or collisions with hard objects.
9. When cleaning the surface of the lamp, be sure to wipe it with a soft cleaning cloth.
10. Do not interfere with the stability and calibration of the head.

Catalogue

Product overview

Intro

The DU4 integrates speaker and lighting functions. At the same time, the weight is only 200g, which is very lightweight. The Speaker& Lighting kit features a 14" concentrated lighting design that can provide more than 30lux of illumination over a distance of 50 meters. It is equipped with a single axis increased stability head, support camera head linkage, can achieve stable shooting and lighting effects. At the same time, it also adds color light sets with five color switches that can be used in emergency warnings. The set of TTS text shout can reach the sound pressure level of 114dB at one meter, and the effective broadcast distance is more than 300 meters, which can achieve long-distance voice broadcast. The loudspeaker lighting cover is quickly disassembled with screws for easy and quick installation. Loudspeaker &lighting package with powerful lighting power and loudspeaker functions. Whether it is nighttime search and rescue, emergency broadcasting or other lighting and voice needs, the Voice lighting package provides high-quality solutions.

Part Name

1. Quick release screw

Can be used to assist in installing loads.

2. Lamp
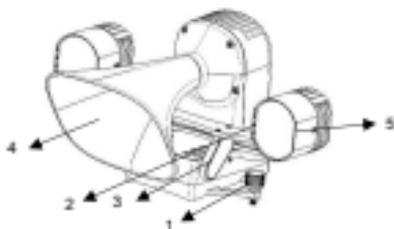
Provides remote lighting and search.

3. PTZ

30° to -90° control, support linkage with the camera.

4. Loudspeaker

Provides remote call and audio playback.

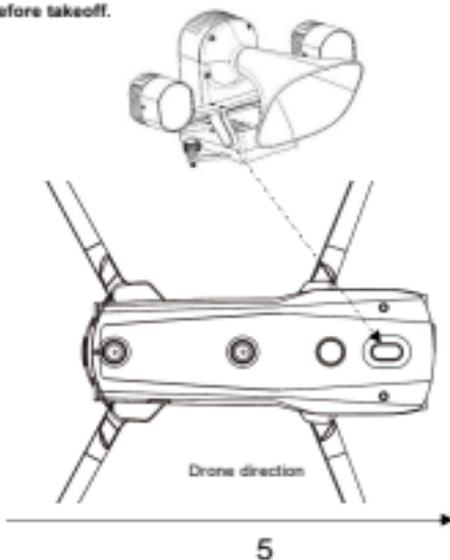**5. Color flash lights**

5 colors (red, green, blue and white)

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Install

1. Plug the load SDK interface into the aircraft PSDK interface, and lock the load support screw into the aircraft screw hole to ensure tight locking.
2. The above operations are carried out in the case of aircraft shutdown, first open the remote control, and then open the aircraft. Controls

*Before each flight, check if the installation bolts are loose. If they are loose, tighten them before takeoff.

Drone direction

1. Activate the aircraft and remote control.
2. After the connection is successful, the PSDK device type will appear in the shortcut toolbar of the flight App on the remote control side.
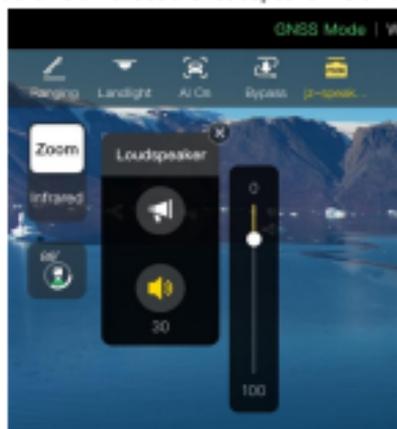
1. Instant shout: Play the audio recorded by the remote control microphone in real time.
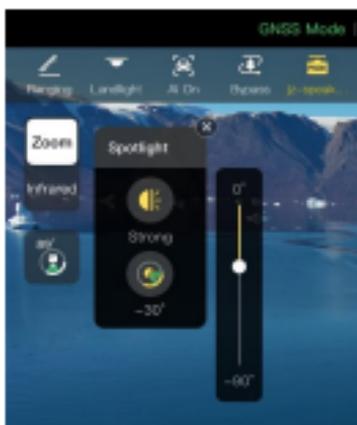

2. Adjust the volume: Set the loudspeaker volume.

1. Brightness adjustment: Quickly set searchlight brightness.

2. Angle adjustment: Adjust the searchlight irradiation (head) Angle.

Instructions for use

Upgrades

The kit upgrade is divided into searchlight part and loudspeaker part, the upgrade method is different, please upgrade separately.
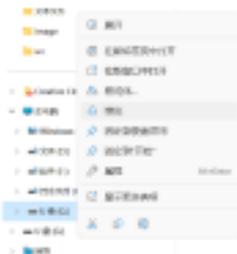
Loudspeaker upgrade

1. Take off the loudspeaker.

2. Use the USB-C data cable to connect the loudspeaker to the computer

(* The loudspeaker USB-C port can distinguish between positive and negative).

3. Wait for the microphone built-in USB flash drive to connect.

Wait 2 minutes, the computer will recognize the microphone built-in USB flash drive.

* If the computer does not recognize the microphone built-in USB flash drive within 2 minutes, please flip the USB-C data cable and try again.

4. Copy the new firmware and eject the USB flash drive.

Copy the new firmware to the root directory of the speaker's built-in USB flash drive

名称	修改日期	类型	大小
📁 record	2016/2/11 16:29	文件夹	
📁 logs	2016/2/11 16:26	文件夹	
📁 Out9.logs	2016/2/11 16:26	文件夹	
📁 audio	2016/2/11 16:26	文件夹	
📄 LY_1155_V01.03.06.D0.bin	2021/6/19 11:16	BIN 文件	5/2/44/00

*After the copy is completed, please eject the USB flash drive, and patiently wait for the USB flash drive to be ejected before disconnecting the data cable
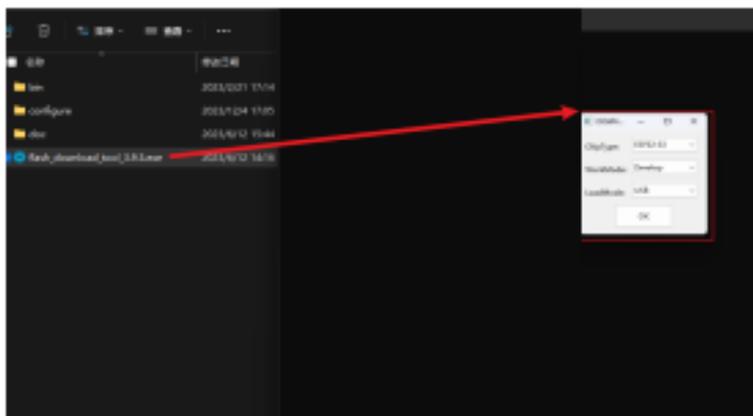
5. Install and start: Reinstall the loudspeaker and turn it on. Wait patiently for the loudspeaker to announce: "Upgrade completed, restart the loudspeaker", indicating that the loudspeaker upgrade has been completed.。

Searchlight upgrade

1. Remove the searchlight.

2. Use the USB-C data cable to connect the searchlight to the computer (* Searchlight USB-C port to distinguish positive and negative).

3. Wait for the searchlight to connect. If the computer does not recognize the COM port within 2 minutes, flip the USB-C cable and try again.

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4. Select a model: Open the upgrade software flash_download_tool_3.9.5.exe and set the model.

5. Select firmware: Select the firmware to be upgraded, set the address to 0x10000, set the COM port of the device, and start the upgrade.

6. Upgrade completed: Wait patiently for the upgrade to be completed, disconnect the computer and reinstall the drone.

Matters needing attention

1. During installation, it is necessary to place the head in the correct direction before connecting.

2. The head will have a slight amplitude of swing or leveliness is not enough, which is a normal phenomenon, and the power time or attitude will return to normal after synchronization.

3. When the head shaft has high-frequency abnormal sound and vibration or shock, and the fever is serious, do not use it, and contact the after-sales staff to return to the factory for maintenance.