

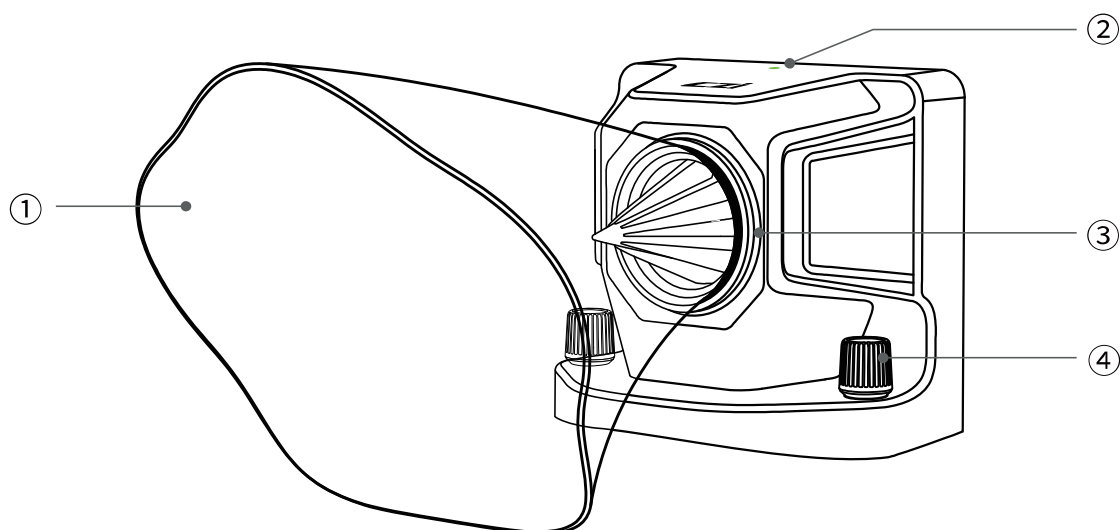
I .Disclaimer and Warning

1. Thank you for purchasing CZI products. The contents mentioned herein are related to your safety and legal rights and responsibilities. Before using this product, please read this document carefully to ensure that you have set up the product properly. Failure to follow and comply with the instructions and warnings in this document may result in injury to you and others. This document and all related documents are subject to the final interpretation of CZI. Updates are subject to change without notice. Please visit the official website at www.czi.com.cn for the latest product information.
2. Please install MP120 correctly according to the installation tutorial.
3. This product does not support hot swap. Please install the load before booting up.
4. Please do not use the maximum volume when MP120 is in close range, as it may cause permanent damage to hearing! The damage caused by this shall be borne by oneself!

II .Products Introduction

1. The CZI MP120 drone digital voice broadcasting system is suitable for DJI Mavic 3 enterprise drones. The broadcasting system is equipped with a built-in MEMs microphone, which solves the problem of no feedback during long-distance voice broadcasting. It adopts transparent horn to enhance the diffusion display of warning lights and supports the psdk link. The broadcasting distance is greater than 300m, with its lightweight design weight

of less than 130g and the rated power of 20W. It supports real-time voice broadcasting, monitoring, TTS, flashing lights, ground dialogue, as well as voice broadcasting function in AI scenarios.



①: Transparent horn

②: Voice Pickup hole

③: Flashing light

④: Thumb screw

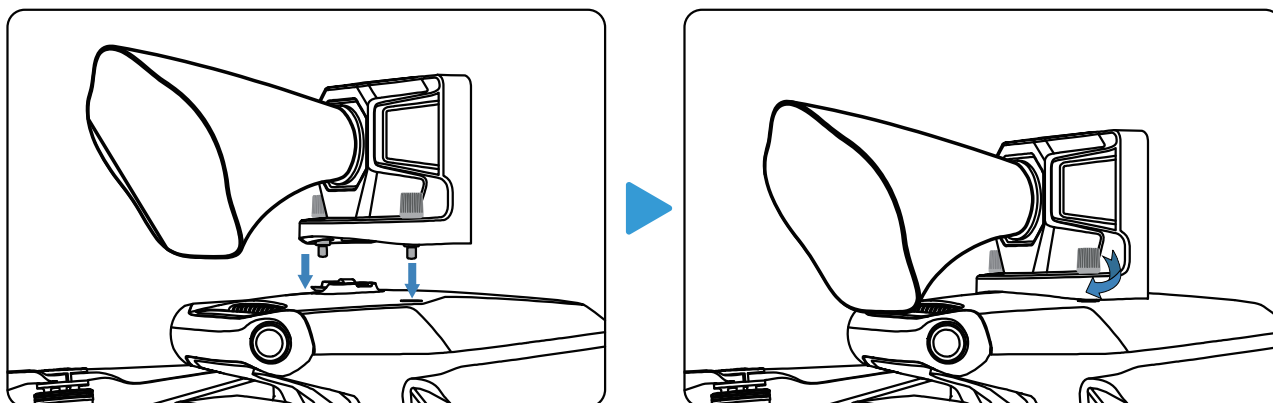
III.Specification charts

MP120Specification parameter	
External dimension/mm	L:126.6×W:84.9×H:70.8mm
Material	(ABS+PC)/PP/Aluminum alloy
Installation method	Thumb screw
Total Weight / g	<130g
Communication link	PSDK link
Total power /W	20W
Sound pressure	>114dB@1m
Broadcasting distance	>300m
Ground dialogue distance	5m
Flashing light mode	Red and blue flashing Red and red flashing Blue and blue flashing
Operating environment	Temperature:-10°C ~ +40°C Humidity:15% ~ 95%
Packaging	Transfer box + EVA lining

IV. Installation Tutorial for MP120

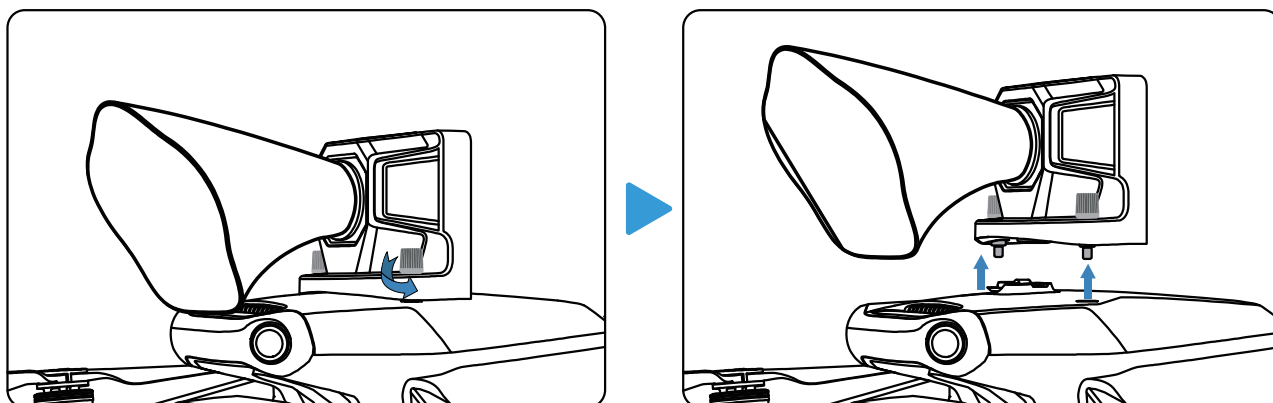
4.1. Installation

After aligning the digital voice broadcasting system with the installation hole of the drone and inserting it, manually.



4.2. Disassembly

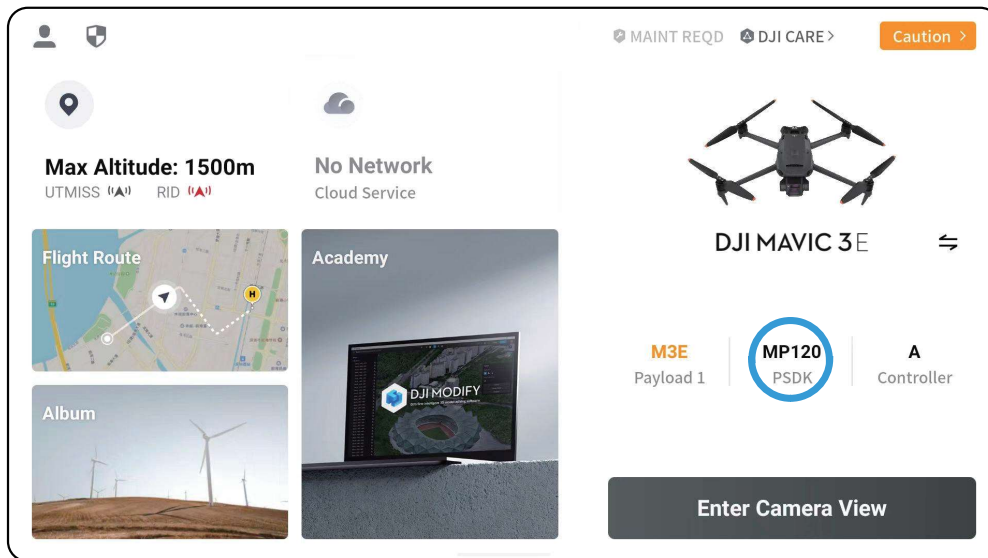
First, manually loosen the two thumb screws of the broadcasting system, and then remove the loudspeaker.



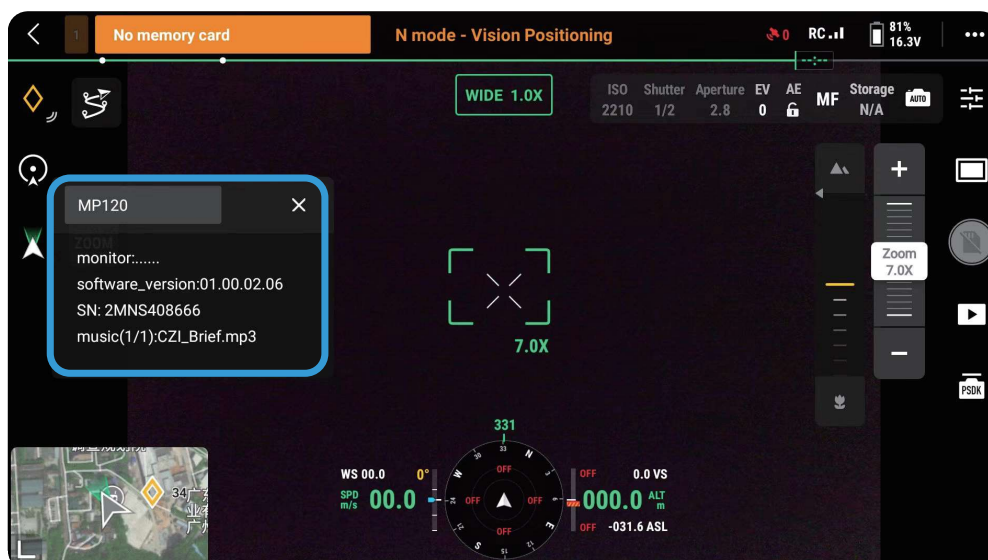
V. User Tutorial for Software

5.1 DJI pilot

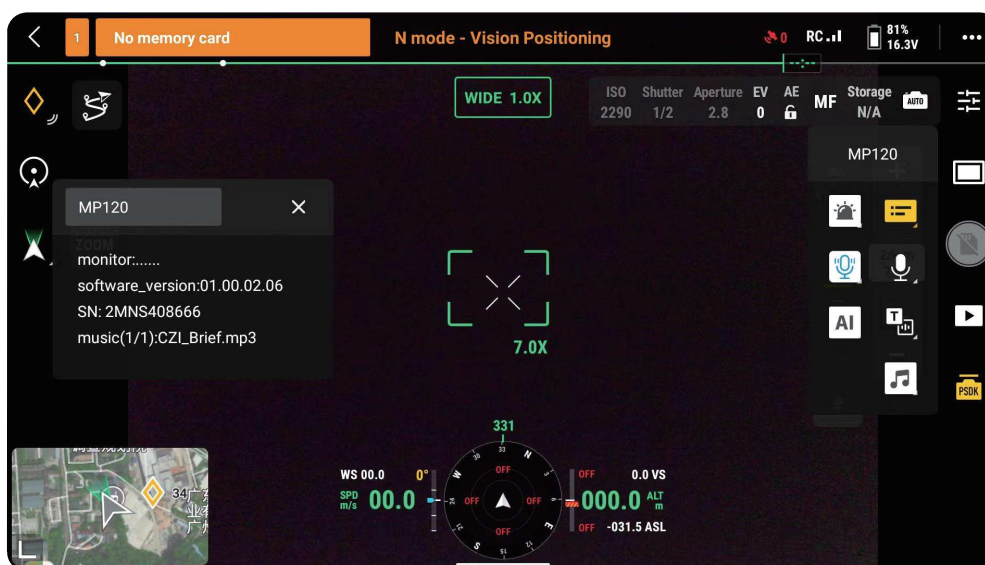
5.1.1 Click on the DJI Pilot2 software by the remote control, and the MP120 load will be displayed on this interface.



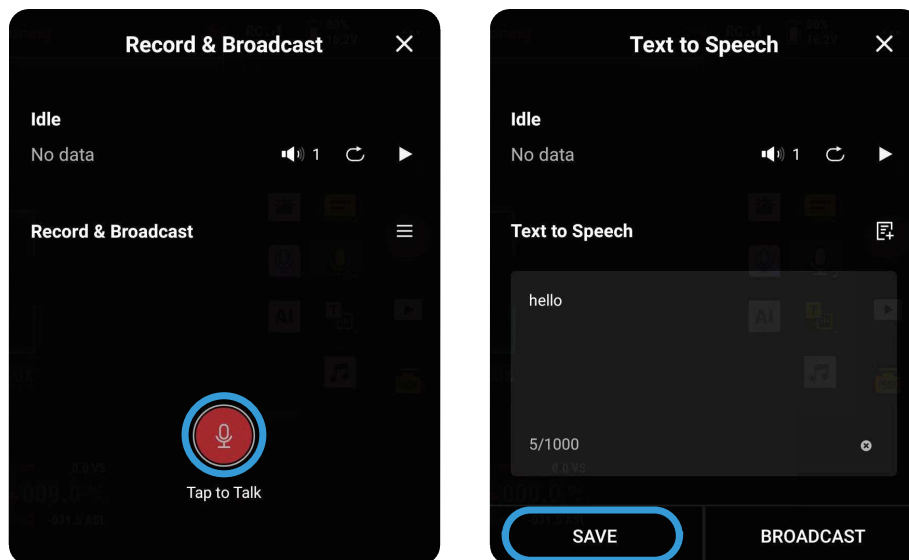
5.1.2 After entering the interface, click the button “psdk” on the bottom right to access the functional interface. The firmware version and SN code of the current device, as well as the floating listening bar and audio count/current audio, will be displayed on the floating window.



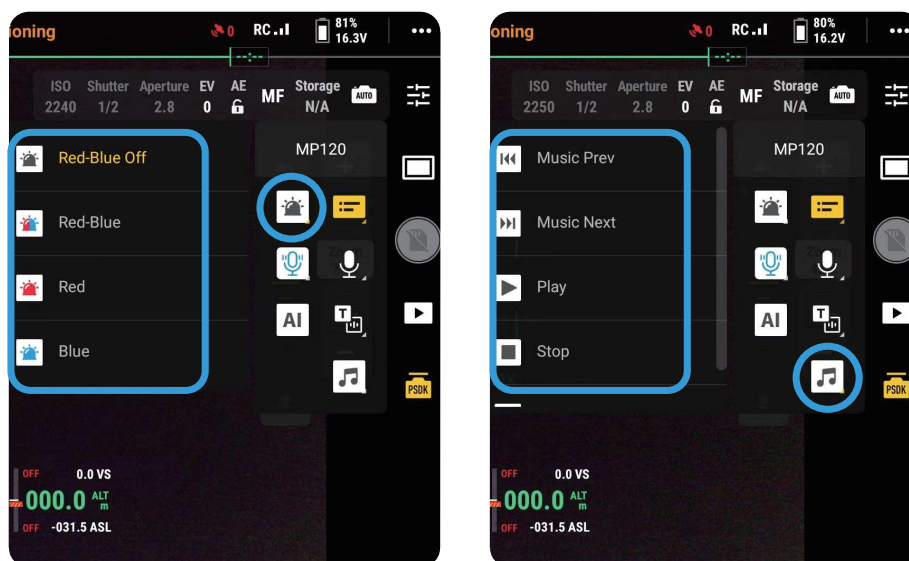
5.1.3 On the functional interface, a total of six main functions plus a floating window display are visible, and whether or not to display the floating window is optional. The main functions are warning light control, switching between real-time voice broadcasting / recording voice broadcasting, intelligent AI, recording / real-time voice broadcasting interface, TTS playback, and media control, respectively.



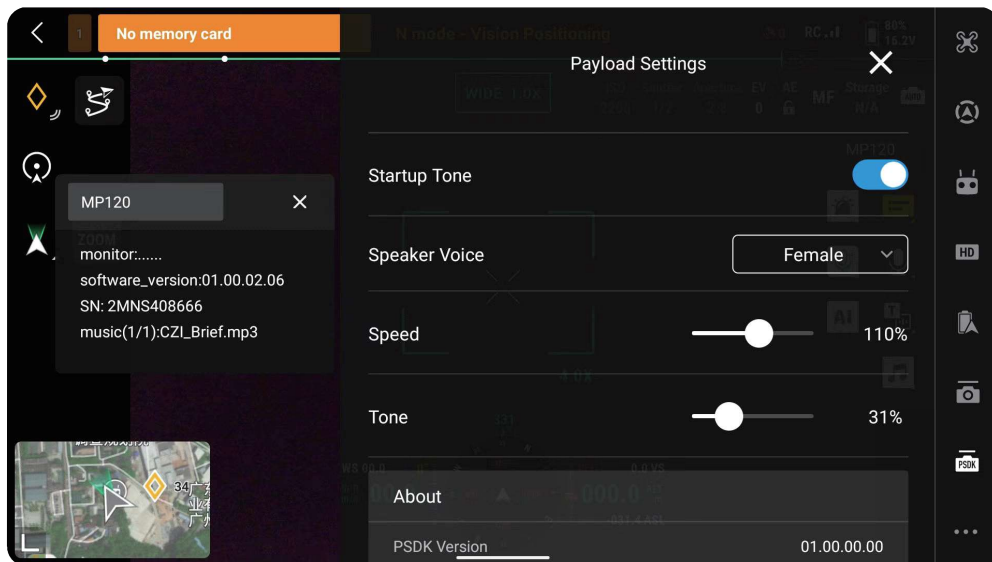
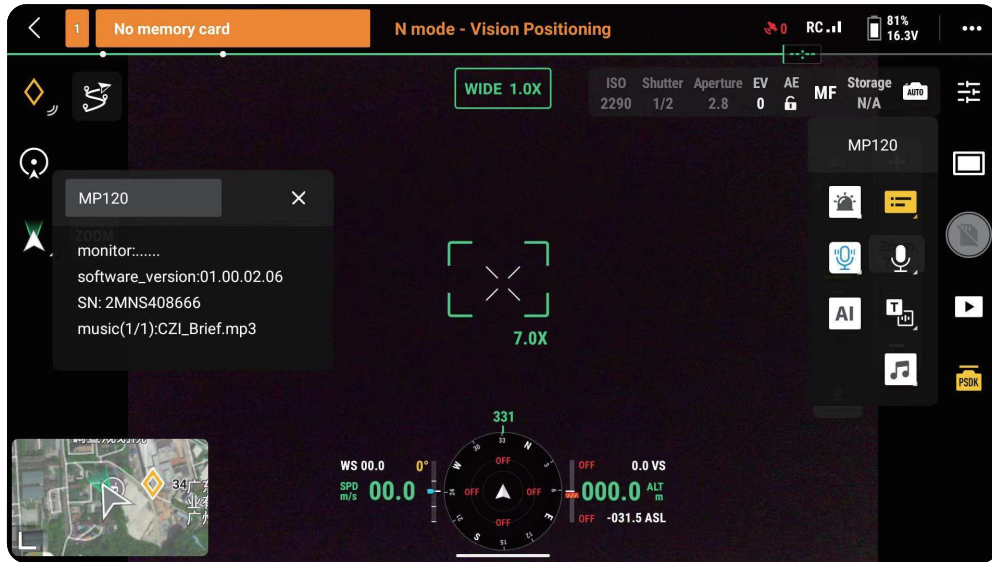
5.1.4 On the main function interface, recording / real-time voice broadcasting interface allows for clicking to speak, or saving the current recording locally or selecting to upload to opus; and text can be input to TTS (text-to-speech), and the current paragraph can be saved locally.



5.1.5 On the main function interface, click on the warning light control, there are red, blue warning lights flashing and dual color flashing, respectively; and the song can be freely switched between playing and stopping.



5.1.6 Click on the three dots in the upper right corner, find “psdk” and click on it. There are volume adjustment, loop playback and deletion of current audio, whether or not to start broadcasting, TTS (text-to-speech) tone, as well as speed and intonation.



5.2 CZI pilot

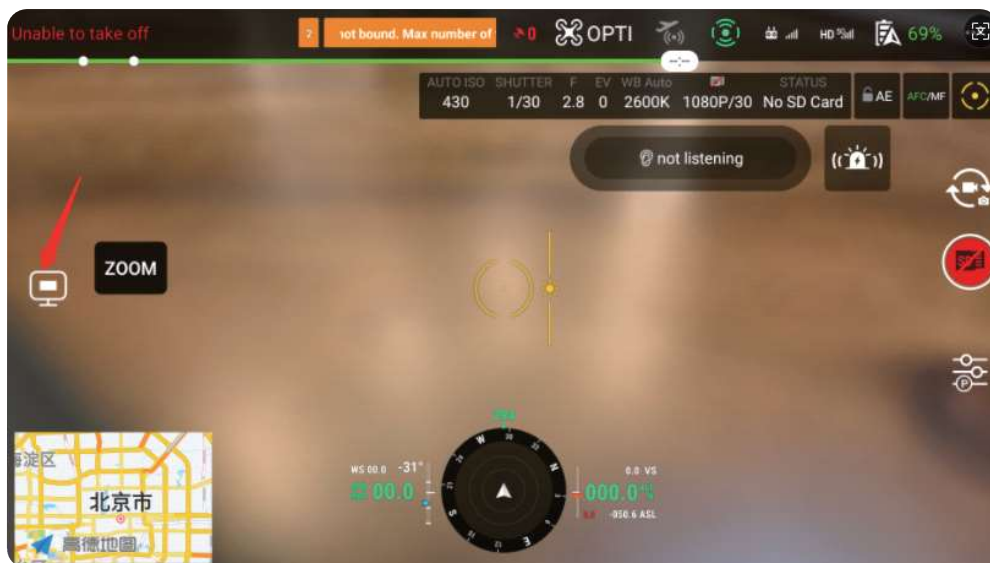
5.2.1 Enter the device

After opening the CZI Pilot software and entering the homepage, it will display the following interface. Click to enter the device.



5.2.2 Open the control panel

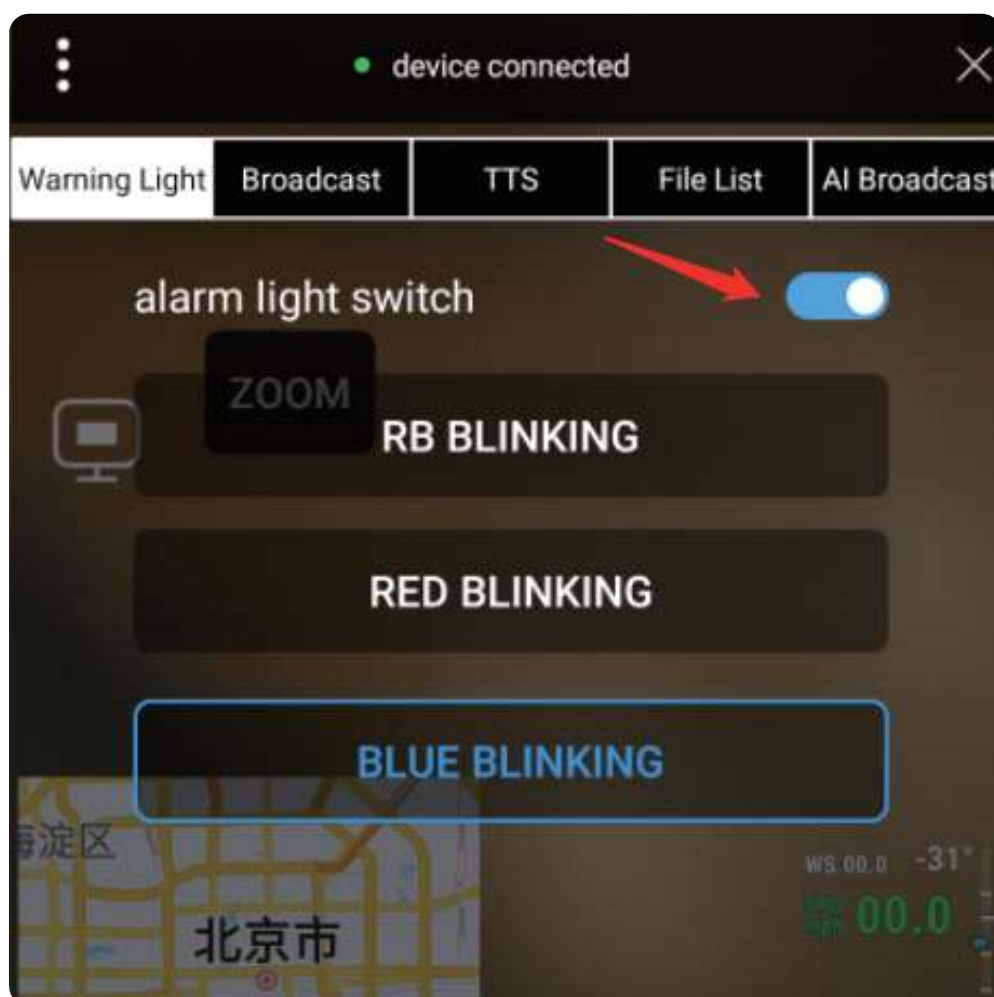
Click button  to pop up the control panel of MP120.



5.2.3 Function of warning lights

Click on the warning light interface, the following interface will be displayed, which can be turned off or on. The default is red and blue flashing at the time of turning on. The corresponding flashing mode is also optional.

- (1) Red and blue flashing: The red and blue lights flash rapidly and alternately.
- (2) Red light flashing: The red light flashes rapidly.
- (3) Blue light flashing: The blue light flashes rapidly.

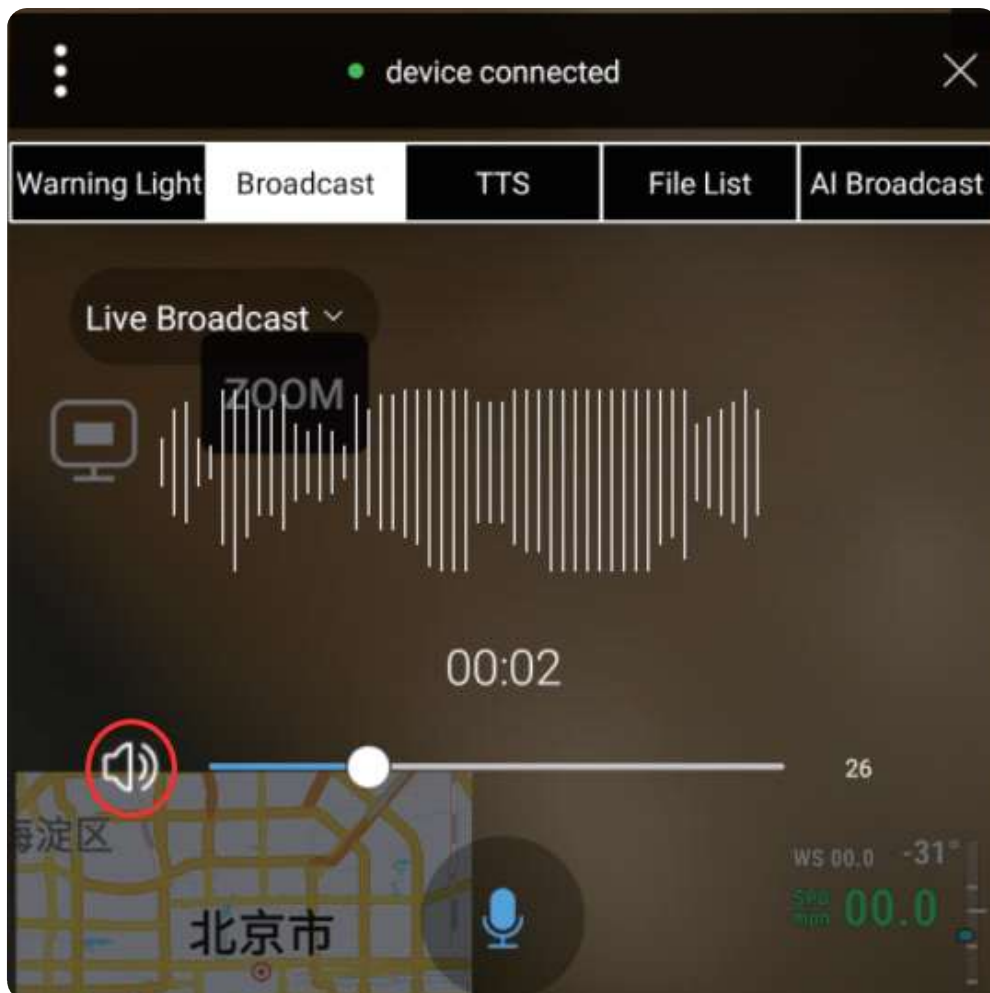


5.2.4 Voice broadcasting function

Voice broadcasting includes three functions, and they are live broadcast, taped broadcast, and ground dialogue, respectively.

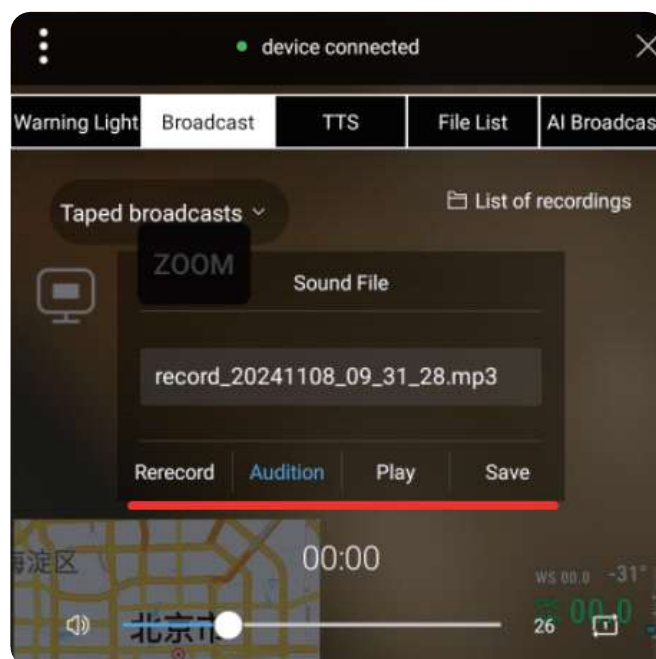
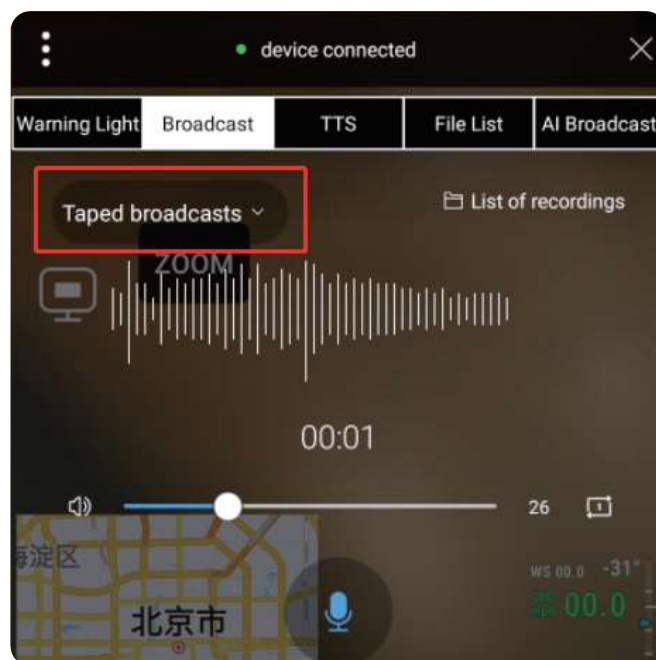
(1) Live broadcast

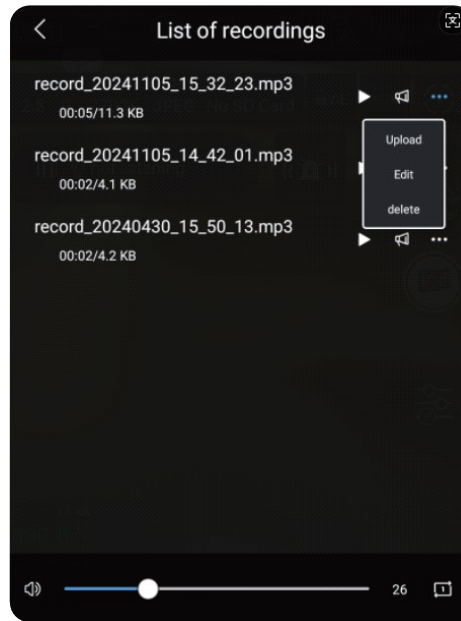
After clicking on the start button, broadcasting at the remote controller end, which will be broadcast lively at Drone End Power Supply System MP120. Playback volume is adjustable.



(2) Taped broadcast

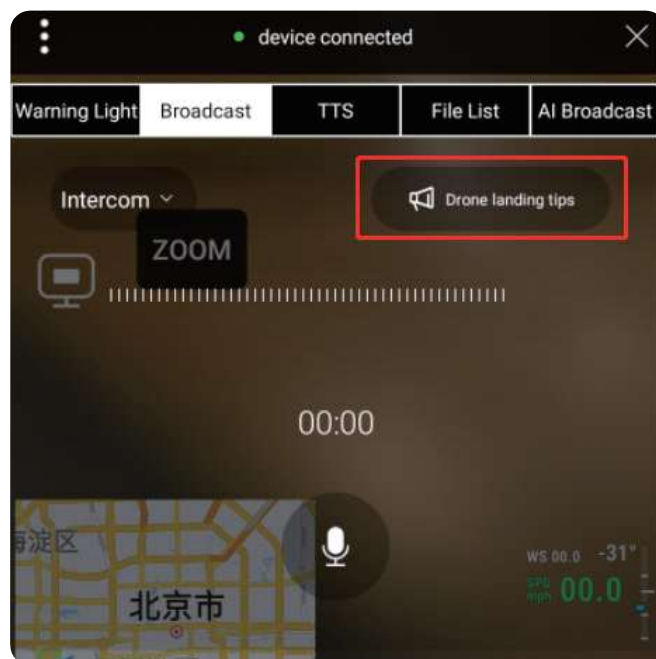
Click start, record an audio through the remote control, and then click play, the broadcasting system will play. Audition and saving can be done on the remote control. The saved audio files can be displayed in the recording list, and can be listened to, played, uploaded, edited, and deleted.





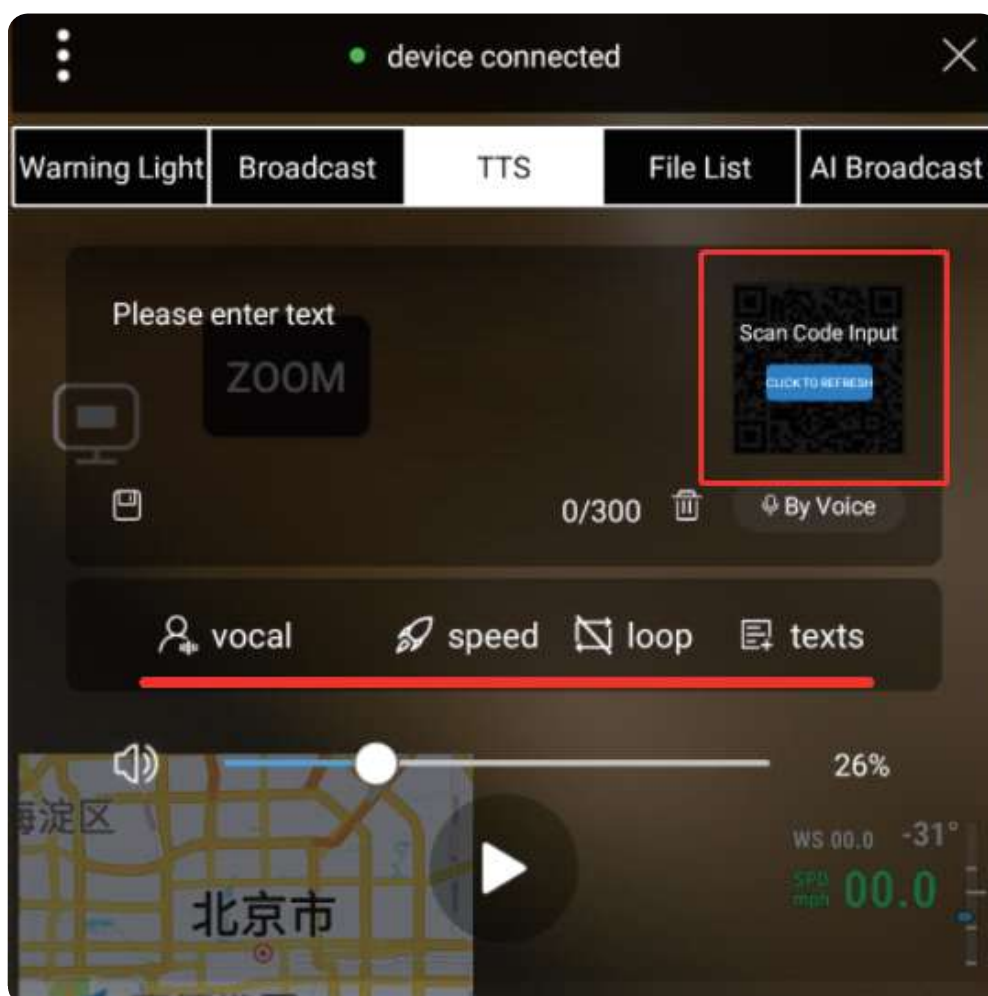
(3) Ground dialogue

After clicking the start button, the live two-way communication with MP120 can be conducted. On this interface, the drone landing broadcasting button can be clicked to remind user to pay attention to safety. Once the drone lands in the appropriate area, it can communicate with the remote control end.



5.2.5 TTS (text-to-speech) function

Enter the text to be broadcast, and there are voice language, speed, whether or not to loop, text saving, and text viewing are optional. Support the function of clicking on scan code input (this function requires remote control networking)



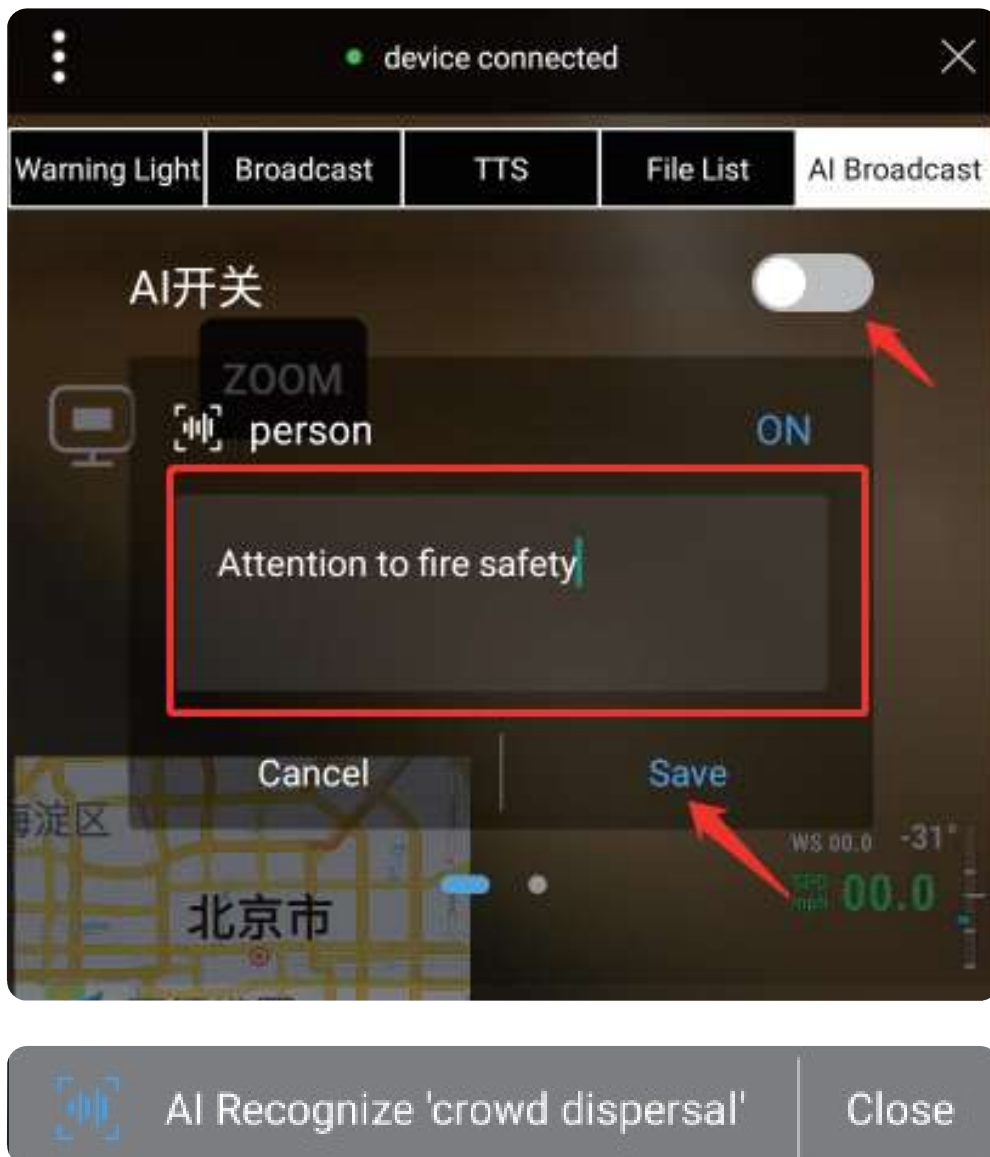
5.2.6 File list function

On this interface, audio files stored on MP120 can be selected for playback, and operations of playback mode selection, topping, renaming, and deleting can be performed.

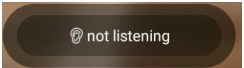


5.2.7 AI voice broadcasting function

On this interface, whether or not to enable AI broadcasting is controllable. The text of AI broadcasting can be edited, and the algorithm module that needs to be enabled can be selected. When MP120 is activated with the corresponding AI broadcasting function, AI will recognize the corresponding scenario and display it on the screen for 5 s, and the AI can be quickly turned off by clicking the pop-up close button (note: to turn it on again, it is required to enter the AI broadcasting interface to open it)

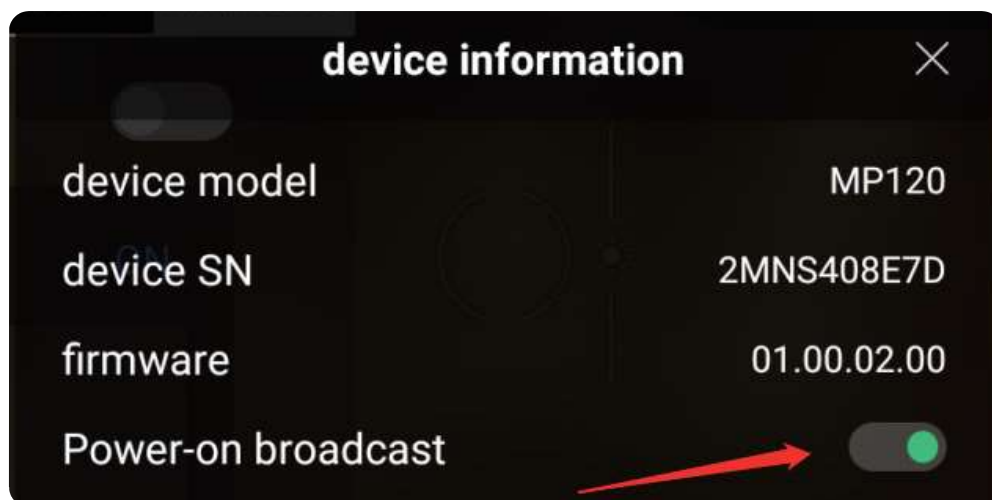


5.2.8 Monitor function

On the video & image transmission interface,  will appear. When MP120 is broadcasting, the monitor icon will jump. Click this button, and it turns blue, and the monitored audio can be played lively on the remote control.

5.3.9 Device information

Click the  button on the upper left corner of the control panel, the device information interface will pop up. It will display the device model, serial number, firmware version, and whether or not to enable the power-on broadcasting. (As shown in Figure 9)



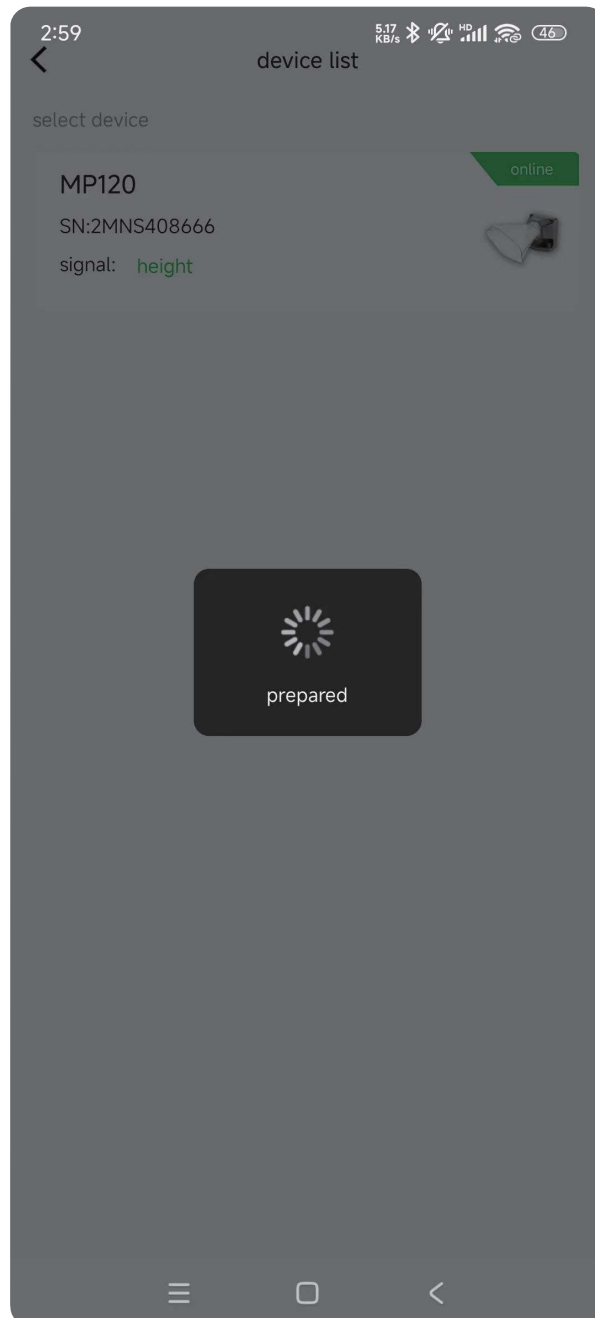
VI. Firmware Upgrade

6.1 WIFI Upgrade

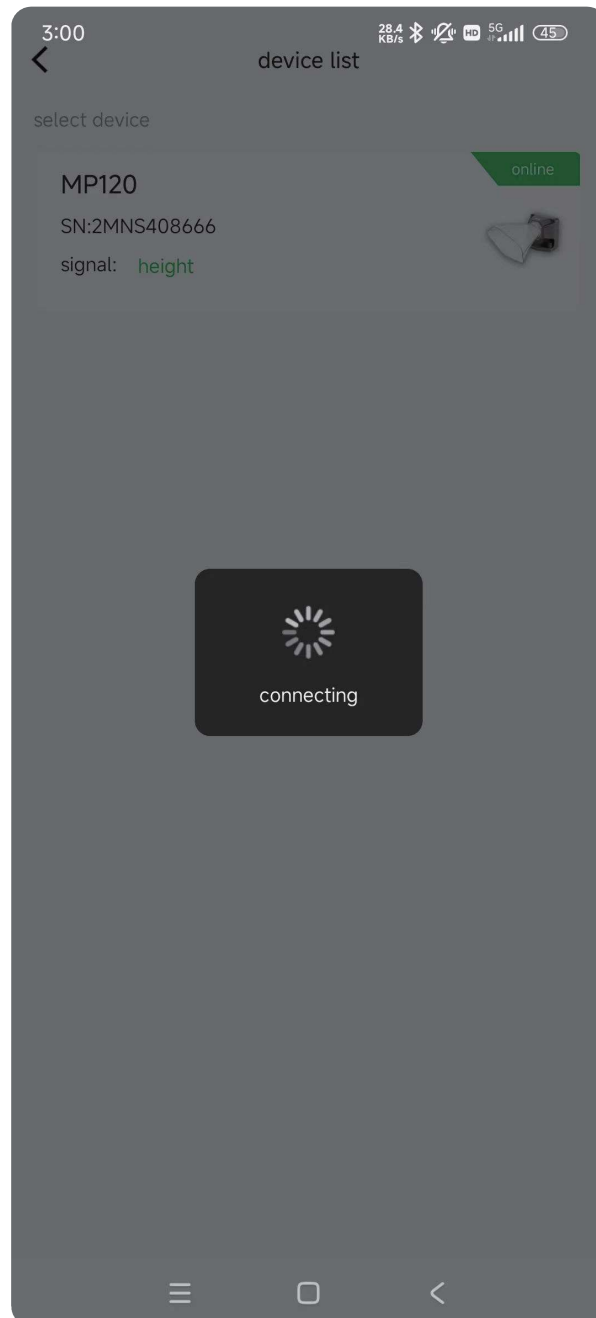
6.1.1 Enter CZI app, click on the three dots on the upper right corner and select firmware upgrade via WIFI.



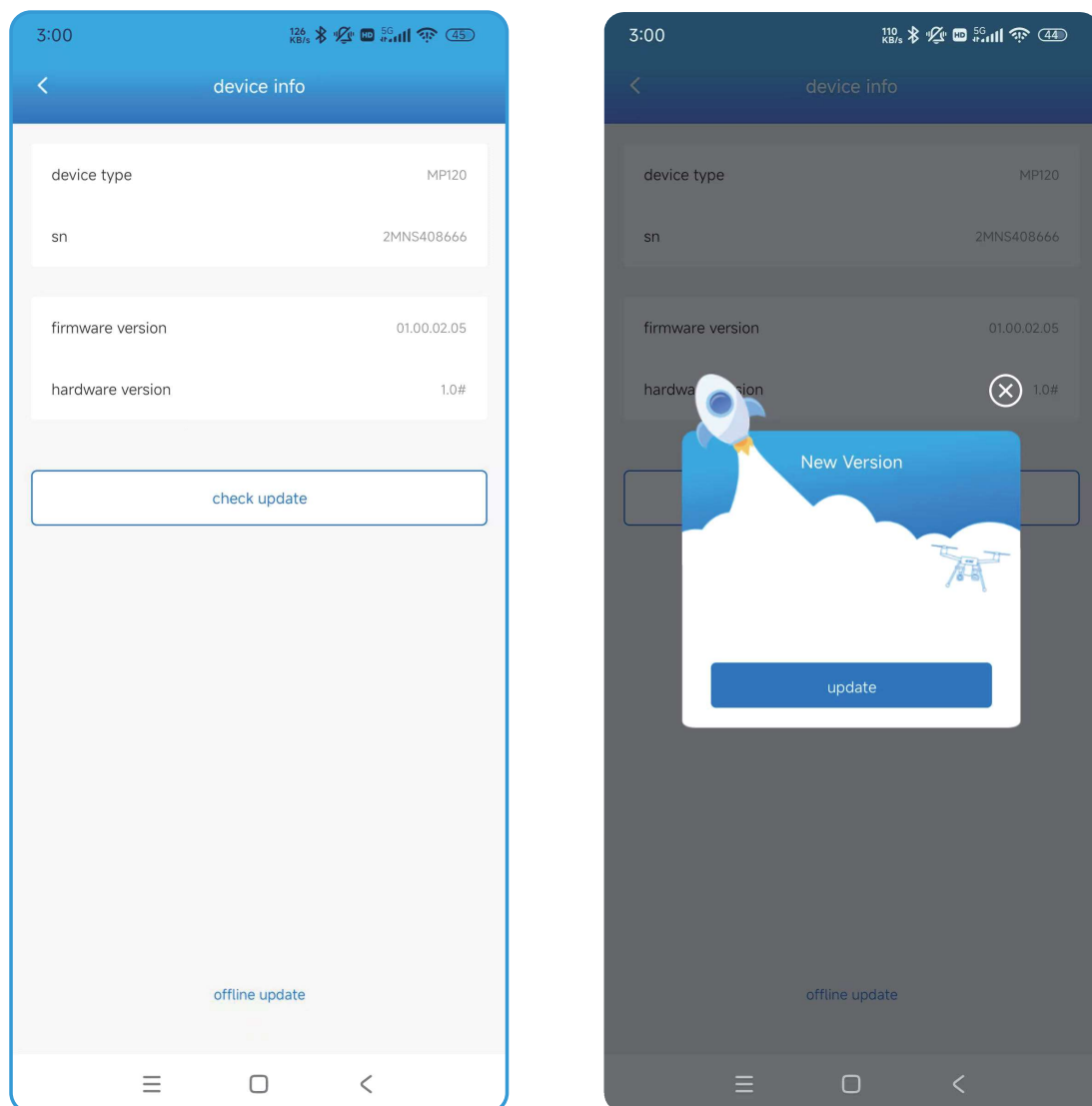
6.1.2 Smooth network access should be guaranteed when entering this upgrading phase, and wait for firmware preparation. If WIFI function is not activated, please activate WIFI first.



6.1.3 After the firmware is ready, click on the needed device to enter the connection.



6.1.4 Enter the interface, click on firmware update, and start preparing for firmware upgrade. From the czi app, it can be seen that the firmware upgrade goes from file processing -> transfer progress -> device restart, and it is ready to upgrade when voice broadcast is played. the upgrading is completed and restarting is in progress. Finally, exit to check the version number, and upgrade is successful.



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czzn@czi.com.cn

Made in China

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could 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 particular installation. If this equipment does cause harmful interference 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.