

Directory

- I . Introduction of PSDK UAV digital voice broadcasting system
- II . Disclaimer and warning
- III . The introduction of MP120
- IV . The introduction of MP130
- V . Install the CZZN-DJI software
- VI . How to use the CZZN-DJI software
- VII . How to use the DJI Pilot
- VIII . To upgrade the firmware

I . Introduction of PSDK UAV digital voice broadcasting system

Five months after DJ-Innovations launched its Payload Software Development Kit for PSDK (Payload Software Development Kit), we exhibited our company's (Guangzhou Chengzhi intelligent machine technology co., LTD.) drone megaphone Payload product at the DJI industry innovation conference (AirWorks China 2018) in Shanghai in August 2018. PSDK UAV digital voice broadcast is developed based on PSDK protocol and transmitted through DJI UAV link, which is not affected by the environment. DJI Pilot software is equipped with some functions of the loudspeaker, and CZZN-DJI APP can be used to obtain more acoustic effects of UAV.

II . Disclaimer and warning

Thank you for purchasing our products. The content mentioned in this article is related to your safety, legal rights and responsibilities. Before using this product, please read this article carefully to ensure that the product has been set up correctly. Ignoring the instructions and warnings in this article to operate may cause harm to you and your friends, may also damage the product. The right to interpret this document and all related documents shall remain with us. All updates are subject to change without prior notice. Please visit www.gzczzn.com for the latest product information.

Cautions

The maximum volume of MP130 exceeds 130dB, and the maximum volume of MP120 is 120dB. Close use of the product may cause permanent damage to human hearing! Please do not use the maximum volume at close range, or the damage will be borne by yourself!

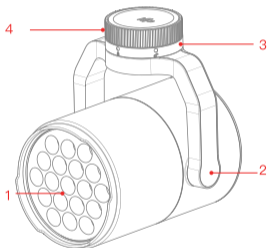
NOTE

- 1.The PSDK digital voice broadcasting can adjust the Angle. Please do not swing the boom with your hand quickly. Do not rotate the megaphone by hand after electrifying!
- 2.When installing the load equipment, make sure that the adapter ring is properly connected without looseness. Please pay attention to safety when working at height!
- 3.Do not disassemble without authorization, or you will be responsible for the consequences!

III. The introduction of MP120

The MP120 digital voice broadcasting system uses DJI SKYPORT interface, which can be quickly and seamlessly connected with DJIM 200 series. This is the first time that the TTS intelligent speech conversion technology has been applied to the UAV's propaganda scene, and MP120 is suitable for the scenarios where the effective range of propaganda is within 150m and the UAV needs to last for a long time.

Advantages of MP120:1. Small size, light weight and beautiful design; 2. The first use of TTS technology in UAV publicity; 3. Sound clear and loud enough; 4. The PTZ will pitch synchronously; 5. The software used for publicity is rich in functions



Pictures and accessories

(1. Acoustic outlet 2.The PTZ arm 3. DJI SKYPORT 4. Dust cover)

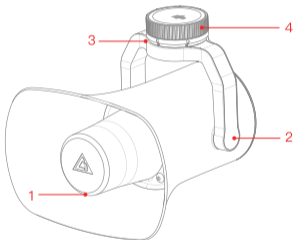
The performance parameters

model	MP120
size	107mm*89mm*108mm
weight	260±5 (g)
Maximum sound pressure	120dB
Sound propagation distance	150m
power	25w
Protection grade	IP43
Communications link	The UAV itself has a data link
Load interface	DJI SKYPORT
Control distance	5km
Working temperature	-20C°~40C°
App support system	Android5.0 and above
Play mode	Upload the recording text-to-speech Use SD card to play Mixed play
Audio file storage format	MP3/WMA/WAV/AAC/OGG/FLAC
Pitch Angle	Automatic following or remote control 0°—90°

IV. The introduction of MP130

MP130 UAV digital voice broadcasting system adopts DJI SKYPORT interface, which can quickly and seamlessly connect with DJI M200 and M300 series UAV. It has a maximum transmission distance of up to 500m, and can be used in noisy streets or large areas of broadcasting (such as epidemic prevention propaganda, forest search and rescue) and other scenes requiring long-distance propaganda.

Advantages of MP130: 1. Using high sound pressure technology; 2. The sound of propaganda is louder and the range is larger, not afraid of environmental noise ; 3. The PTZ will pitch synchronously, you can control the direction of sound ; 4. The software used for publicity is rich in functions



Pictures and accessories

(1. Acoustic outlet 2. The PTZ arm 3. DJI SKYPORT 4. Dust cover)

The performance

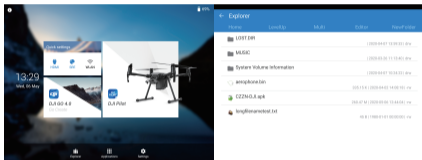
Model	MP130
Size	140mm*140mm*125mm
Weight	550±5 (g)
Maximum sound pressure	130dB
Sound propagation distance	300m
Power	35w
Protection grade	IP43
Communications link	The UAV itself has a data link
Load interface	DJI SKYPORT
Control distance	5km
Working temperature	-20C°~40C°
App support system	Android5.0 and above
Play mode	Upload the recording、text-to-speech Use SD card to play、Mixed play
Audio file storage format	MP3/WMA/WAV/AAC/OGG/FLAC
Pitch Angle	Automatic following or remote control 0°—90°

V. Install the CZZN software

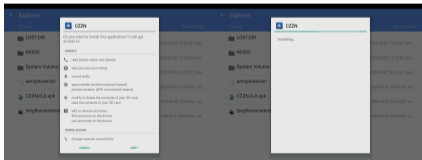
CZZN APP installation and registration

1.DJI Highlight screen APP installation (Micro SD Inside the card apk installation)

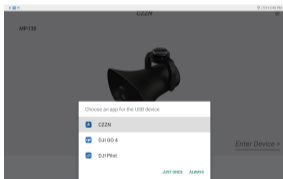
- (1) Insert the SD card into the corresponding interface on the left side of the highlighted screen.
- (2) Open the "resource manager" at the bottom of the highlighted desktop.



- (3) Select the appropriate folder in the explorer directory, locate the apk file, and click to install.



(4) How to register and log in (After the first successful networking login, there is no need to connect to the network for subsequent use.)



Note: click only once for each use

CZZN Qr code for App download (other Android tablets or phones can be downloaded and used)



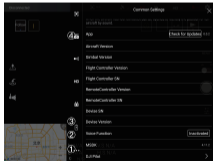
VI.How to use the CZZN software

Software main interface



- 1 You can set the PTZ to follow mode, free mode, or return the PTZ to its original middle position
- 2 Click here to switch the currently controlled and M300 series port of the PTZ
- 3 Click to make the megaphone follow the PTZ (Only the M200 V2 series is supported)
- 4 Display the current Angle of the megaphone
- 5 Click to display the operation interface of the megaphone
- 6 Setting

Activate voice function and view version number

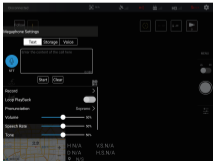
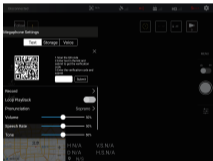
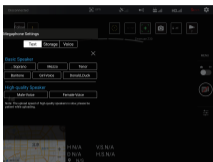


Click the Settings at the top right to enter

1. General setting button
2. Activation of voice function (offline voice to text can be used after activation of voice function, with higher voice quality)
3. Version of the firmware in the megaphone
4. The version of the App

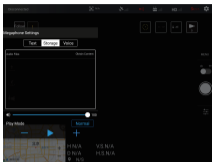
Functional specifications

TTS (Clear broadcast content)



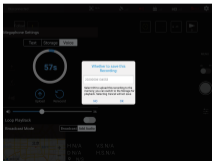
1. Users can set the current tone, volume, speed. And find out the previous propaganda content records;
2. Users can use their voice to turn the content into text and upload it;
3. Users can quickly type text into the CZZN-DJI App by scanning the Qr code. (Note: this function requires high brightness screen to connect the Internet.)

Memory playback (select playback according to built-in audio)



The user can copy the audio file into the sd card of the megaphone and choose to play through this interface. It can be played repeatedly and mixed with TTS text.

Audio playback (There are options for instant broadcast and audio storage)



1. Instant playback means that the recording is played out immediately, and the megaphone does not store the recording.

2. Audio storage broadcasts are uploaded to the megaphone SD card.

Users can rename and delete the recording file, which is convenient for the next call or circular broadcast.

Special instruction interpretation

Method of use [h?]

Description:

[h0] Automatically determine how words are pronounced

[h1] Letter pronunciation

Sample text	The effect
[h0] "you"	"you"
[h1] "you"	"y-o-u"
[h2] "you"	"you"

Method of use [h?]

Description:

[g0] Automatic language judgment

[g0] Take Chinese as the language output

[g2] Take English as the language output

Sample text	The effect
[g0]123km	"one hundred and twenty three kilometers"
[g1]123km	"一百二十三公里"
[g2]123km	"one hundred and twenty three kilometers"

Method of use [h?]

Description:

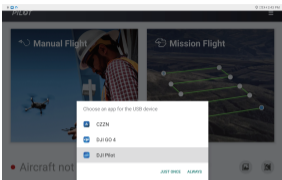
[n0] Automatic judgment

[n1] Number as text

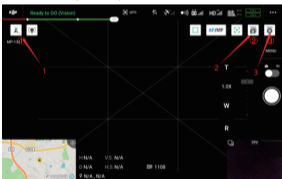
[n2] Numbers are calculated mathematically

Sample text	The effect
[n0]12030	Automatic judgment. Read as: one two zero three zero
[n1]12030	Read as a series of Numbers. Read as: one two zero three zero
[n2]12030	Meaningful Numbers. Read as: Twelve thousand and thirty

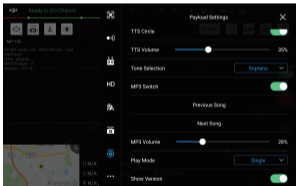
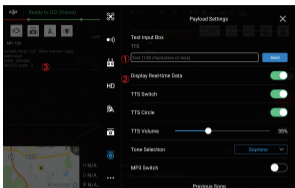
VII.How to use the DJI Pilot



After clicking DJI Pilot (click only once), you can enter Pilot

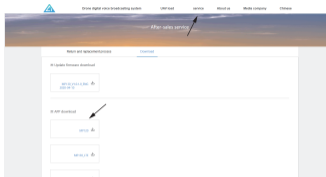


1. You can set the PTZ to follow mode, free mode, or return the PTZ to its original middle position
2. Click to make the megaphone follow the PTZ(Only the M200 V2 series is supported)
3. Propaganda Settings



1. TTS text input field (the number of words available in DJI Pilot changes with version number)
2. Display live data field
3. Click here to see the name of the MP3 audio being played, the current Angle of the megaphone, and the version of the megaphone firmware

VIII. To upgrade the firmware



Visit www.gzczzn.com

1. Click on the service to get help
2. Download the firmware upgrade
3. Copy the firmware in the SD root directory of the megaphone, install the SD card