iOSD mini User Manual VI.04

Introduction

DJI iOSD mini is specially designed for DJI autopilot system during the FPV flight or other aero-modeling activities. It can superimpose video and OSD information in real time, to bring users more involved flight experience.

Specified autopilot systems for the iOSD mini:

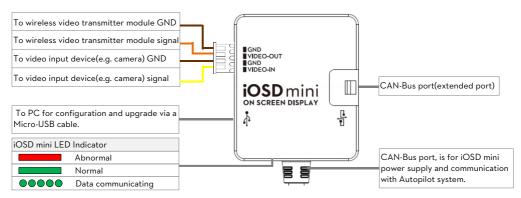
Autopilot System	Required Accessories	Firmware Version
NAZA-M series	NAZA PMU V2	4.02 or above
WooKong-M series		5.16 or above

Specifications

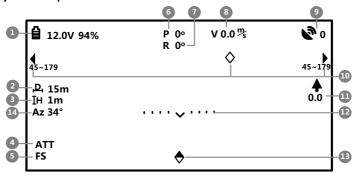
Voltage	6V	Working Current (Typical Value)	180mA@6V
Temperature	-20℃~60℃	Dimension	33.2mm x 28.2mm x 10.55mm
Weight	14g	Video Input/ Output Mode	PAL/NTSC (automatically recognize)

Assembly & Connection

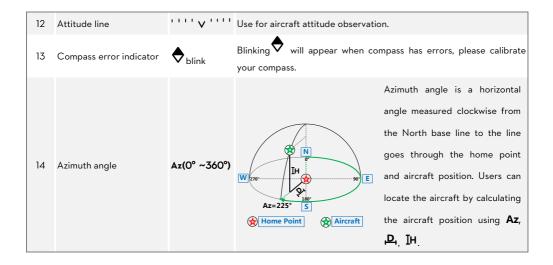
- Prepare the iOSD mini, DJI autopilot system, video input source(e.g. camera), wireless video transmitter module(including transmitter and receiver), monitor, and then assemble all these to aircraft.
- Connect the iOSD mini according to the following diagram. Connect your wireless video receiver module and monitor correctly.



OSD Display Description



NO.	Function	Display	Descrip	tion
1	Power voltage	a □ □ blink	Real time battery voltage of the a PHANTOM 2 there will be current ba addition.) Blink: first level low-voltage alert, the protection voltage value set in the as	attery level percentage shown in he alert threshold is same to the
2	Distance between aircraft and home point	ը unit in m	Show when the home point is success	sfully recorded
3	Height	IH unit in m	Vertical height between the aircraft and the take-off point	
4	Control mode	ATT, M, GPS	ATT is Atti modeM is Manual mode	GPS is GPS mode
5	FailSafe mode	FS, APT, GHome	FS: FailSafe modeGHome: Go home status	APT: Ground station mode
6	Pitch attitude	P 0°	Positive value means the aircraft nose is pitching up; Negative value means the aircraft nose is pitching down.	
7	Roll attitude	R O°	Positive value means the aircraft is rolling to right. Negative value means the aircraft is rolling to left.	
8	Flight velocity	0.0m/s	Horizontal speed of aircraft.	
9	GPS satellite	5 0 0	Number of GPS satellites acquired.	
10	Aircraft nose direction	◊, ∢, ▶	aircraft aircraft point w of moni	the relative angle between the nose and home point. The nose is pointing to the home then the icon is in the middle itor screen, which can help users the aircraft back.
11	Vertical velocity	0.0 €	↑ : Upward speed in vertical direction† : Downward speed in vertical direction	



Install Driver and Assistant Software

- 1. Please download the driver installer and assistant software from the iOSD mini page of DJI website (www.dji.com).
- 2. Connect the iOSD mini and the PC via a Micro-USB cable, and power on the iOSD mini system.
- 3. Run the driver installer, and follow the tips to finish installation.
- 4. Run the assistant software installer, and follow the tips to finish installation.

Assistant Software Usage



Trouble Shooting

NO.	What	Why	How to
,	Only OSD information,	Video input error.	Ensure the connection between iOSD mini
'	video signal loss.	video input error.	and video input port is OK.
2	Only video signal, OSD	Connection between iOSD mini and	Ensure the connection between iOSD and DJI
2	information loss.	autopilot system error.	autopilot system is OK.
3	Both video signal and		Ensure the communication between the video
3	OSD information loss.	Signal transmission error.	transmitter and receiver is working correctly.
4	Both video signal and	The video signal cable to monitor is	Ensure the connection of video signal cable is
	OSD information loss.	unconnected or short circuit.	ОК.

Disclaimer

Thank you for purchasing product(s) from DJI Innovations. Please read the instructions carefully before installing the hardware and software for this product, this will ensure trouble free operation of your product. DJI Innovations accepts no liability for damage(s) or injured incurred directly or indirectly from the use of this product.

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