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1 Check DJI Assistant settings

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Open DJI Assistant Software

Connect vehicle to computer

Unmap all the Gimbal and Direct channels (marked with yellow)

The screenshot displays the channel configuration interface of DJI Assistant software, organized into four main sections: Basic Channels, Knob Channels, Direct Channels, and Advanced Channels. Each channel is represented by a slider, a numerical value, a 'REV' checkbox, and a channel assignment button.

- Basic Channels:** A, E, T, R, U. Values: 0, -14, 0000, -14, -7991. Channels: CH 1, CH 2, CH 3, CH 4, CH 7.
- Knob Channels:** K1-K6. Values: 0. Channels: Unmapped.
- Direct Channels:** D1-D4. Values: 0, 3660, 0, 0000. Channels: Unmapped.
- Advanced Channels:** IOC, Go Home, Gear, H-Fence, CC, S-Gimbal. Values: 0000, 0000, 0000, 0, 0000, 0. Channels: CH 9, CH 8, CH 5, Unmapped, CH 10, Unmapped.
- Zenmuse Channels:** ROLL, PAN, TILT, MODE, SHUT, AUX1, AUX2, AUX3. Values: 0, 0, 3660, 0, 0000, 0, 0, 0. Channels: CH 6, Unmapped, CH 11, Unmapped, CH 12, Unmapped, Unmapped, Unmapped, Unmapped.

Buttons for 'Calibration', 'Map', and 'Close' are also visible.

Make sure Gimbal Switch is OFF



View



Basic



Advanced



Tools



Info

Motor

F/S

IOC

Gimbal

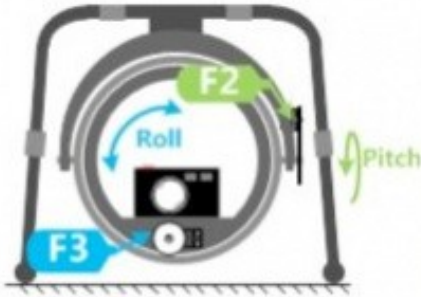
Voltage

Limits

Gear

Parachute

Gimbal Setting



If you use a gimbal, please configure the parameters on this gimbal page.

This system supports 2-axis gimbals with the servo of 1520us center point.

Connect the Roll servo to the F3 port of A2 Controller Unit and Pitch servo to the F2.

Gimbal Switch



ON



OFF

Output Frequency:

50hz ▾

Servo Travel Limit

		MAX	Center	MIN
Pitch	F2	10000	0	-10000
Roll	F3	10000	0	-10000

Automatic Control Gain

Pitch	F2	100%	<input type="checkbox"/> REV
Roll	F3	100%	<input type="checkbox"/> REV

Manual Control Speed

Pitch	100
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Default



MODE: GPS Atti.

RC STATUS: Normal

MC OUTPUT: OFF

2 WooKong-M with Zenmuse Z15 Gimbals

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2.1 Connecting UgCS and DJI A2, Naza-M v2, Phantom 2, Wookong-M

- [Wiring](#)
- [Check DJI Assistant settings](#)
- [Review DJI Ground Station settings](#)

3 Review DJI Ground Station settings

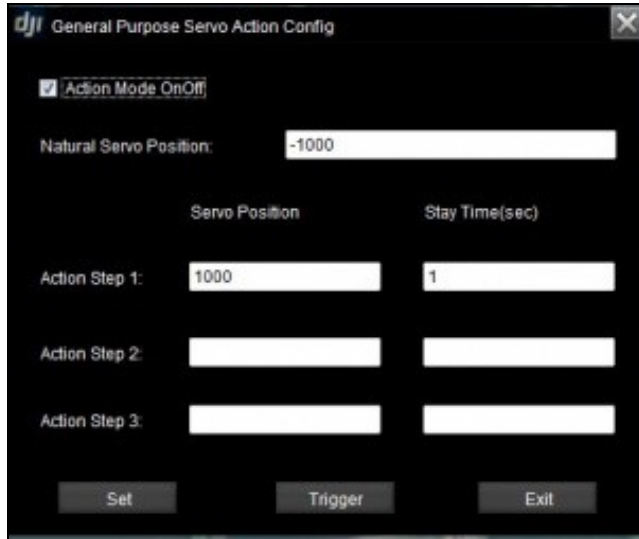
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Open DJI Ground Station and connect to the A2 / Wookong M

Click "ToolBox" --> "GP Servo Action Config"

Enable "Action Mode OnOff" and set following



Click the Trigger button. Camera should make a shot.

Now camera triggering can be activated by UgCS.

4 Wiring

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Make sure the F2 Port (A2) is connected to the shutter port of the Zenmuse. Depending on Zenmuse firmware it may be needed to additionally connect one (any) additional port to autopilot. Then enable shutter port listing at DJI Assistant software.
Disconnect the CAN Bus cable which connects the Zenmuse to the A2 or IOSD.
Controlling the gimbal from RC controller is still possible by connecting the receiver directly to the Zenmuse GCU.