

WiFi Manual

The Product uses advanced image compression technology to produce a high compression ratio video data stream. This is data sent from Quadcopter to terminal (mobile phone) through the WiFi connection. The company developed the APP software for real-time video transmission, Quadcopter flight control and a video transmission distance of 50-70 metres (weather and location dependant).

App Instructions

Connecting a smartphone

1. Insert the battery into the Quad copter
2. On your smartphone open up the WiFi settings
3. Select the network WL-XXXXXX, or WiFiUFO-XXXXXX where XXXXXX will be a random generated name/number
4. Wait for your phone to connect to the WL-XXXXXX WiFi network
5. You can then open the control app on your device
6. Open the control app and select "PLAY" to start using the App

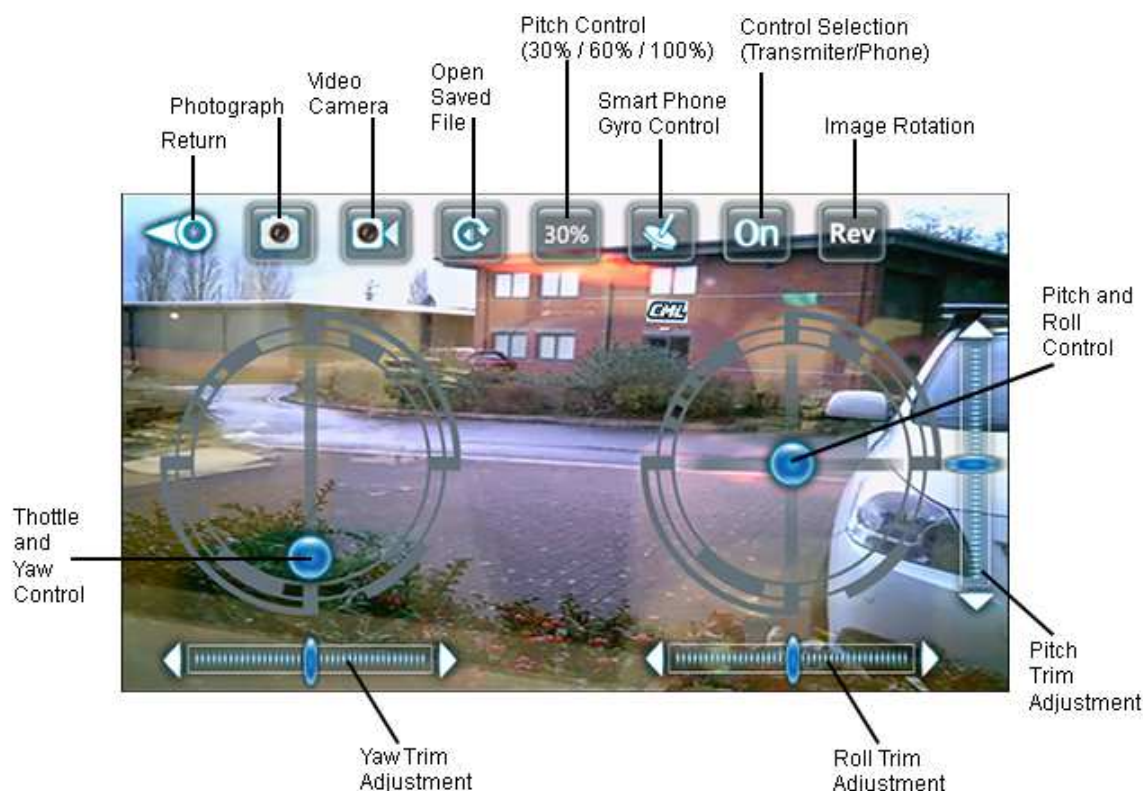
Flying the Quadcopter

The default setting in the app is the Handheld Transmitter for controlling the Quadcopter and the smart phone for displaying the real-time camera image.

You can also fly the Quadcopter a using the smart phone app.

To fly the Quadcopter with the App you will need to enable smart phone control in the App

1. Press the "Control Selection" Icon, this will change to "On"
2. Once the smart phone control is enabled two virtual analogue control sticks will appear on the screen
3. Take control of the Quadcopter by moving the virtual sticks and flying the Quadcopter in the same manner as the hand held transmitter.



Smartphone Gyro Control

The Quadcopter can also be controlled by using the smart phones in-built gyroscope. To enable this mode you need to enable it in the App.

1. Press the “Smart Phone Gyro Control” icon, this will change colour to indicate the mode is operational.
2. Control of the Quadcopter is by the virtual analogue throttle control stick and tilting the smartphone.

The smart phone is used to control the Quadcopters pitch and roll by tilting the smart phone in the direction you wish to fly, the throttle is still controlled by the virtual analogue control stick.

App Download

Apple App Store

To download on the Apple App store search for “WL-UFO” and download or enter the following link into your browser:- <https://itunes.apple.com/app/id988754459>

Android/Google Play Store

To download on the Google Play Store search for “Le Wei WL-UFO” and then download or enter the following link into you browser:-

<https://play.google.com/store/apps/details?id=com.lewei.multiple.weili>

Alternatively you can use the QR codes.

Google Play



iOS



Main Specifications

Camera	0.3 megapixel	Antenna Selection	IPX 1 st Generation Antenna
Video Encoding Format	H.264	Supply Voltage	3 - 5Vdc
Video Sampling	25 to 30 fps	Current Consumption	About 800mW
Image Resolution	VGA (640*480)	Operating Temperature	-10 °C to +70 °C
Transmitting Frequency	2.412 – 2.484 GHz	PCB Size	33mm x 22mm x 0.8mm
Supported Standards	WiFi 802.11 b / g / n	Transmission Distance	50 to 150m (Determined by the surrounding environment)
Transmission bit rate	135/54/48/36/24/18 12/9/6/1M (adaptive)		
Throughput	90Mbps		
Transmission Power	135M : 15dBm 54M : 15dBm 11M : 11dBm	Receiver Sensitivity	54/135M:-72dBm@10% PER 11M:-85dBm@8% PER 6M:-88dBm@10% PER 1M:90dBm@8% PER
Supported Encryption	WEP/WPA-PSK/ WPA2-PSK		