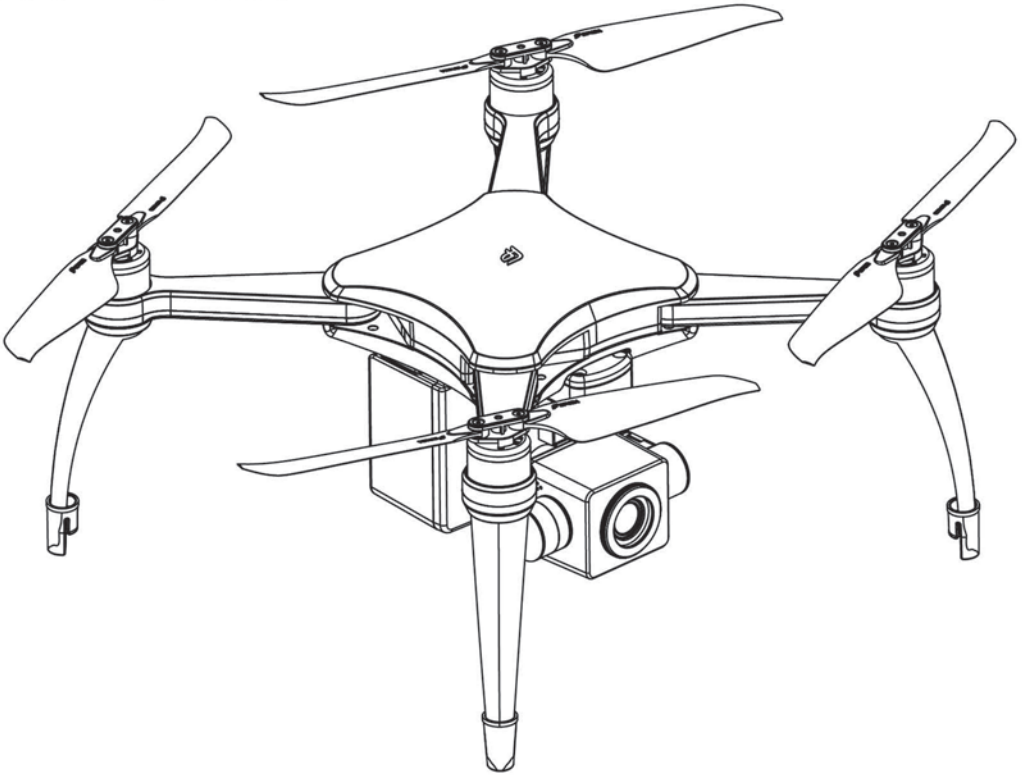
Flypie

6K PRO

User Manual



CONTENT

Safety Guidelines

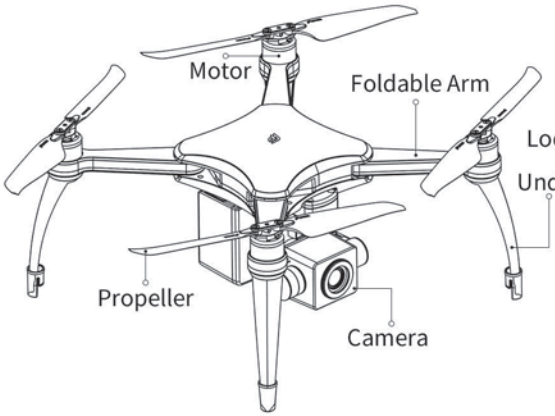
Thank you for chossing Flypie Drone ! This manual handbook will guide you to start your safelly drone flight. For your safety, Please read and get ready properlly before flying, and preserve this handbook properly for the future reference requirement.

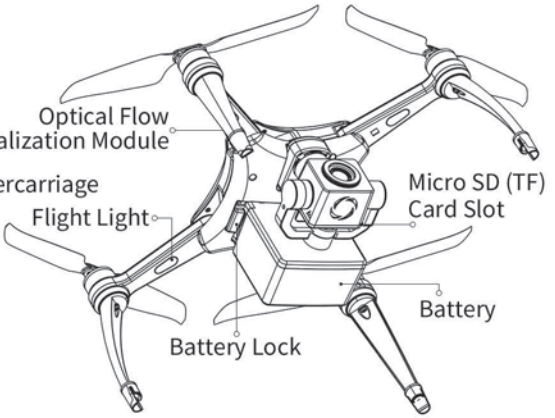
- By the provisions of Law, Flypie Drone MUST be registrated and get the flight application before takeoff in the territory of the People's Republic of China.
- Please DO the safety check every single time before takeoff. Make sure there is no any damage of all parts of drone. Fly safelly and carefully to avoid the accident such as crash, secondary damage and injury.
- By the provisions of Law, **DO NOT** fly at altitude above 400 feets (120m) in the territory of the People's Republic of China.(Over 120 meters,need to file with the local competent authority.)
- **DO NOT** fly near the no fly zones such as: airports, international borders, military area, government apparatus area etc.
- **DO NOT** fly indoors. Please always fly at the open environment avoiding crowds, animals, buildings, trees, waters or any other interferences.
- **DO NOT** take off while the bad weather conditions. Severe weather conditions could damege the drone.
- **DO NOT** turn on the drone for a long time to avoid overheating of the components and shorten the service life of the drone.
- Please beware of the strong electromagnetic sources such as communication base station, transformer substation, high power antenna. The signal interference may cause the disconnection.
- Please always fly within visual of your sight to avoid the accident of the wrong judgement of flying control.
- Please beware of the transmission signal and transmiting image is fully clear. If the transmission is too dark, not clear or stablly transmiting, please fly return immediately to avoid any accident.
- Please check and follow the instractions of the local laws and regulations before you takeoff.

Have a good flight !

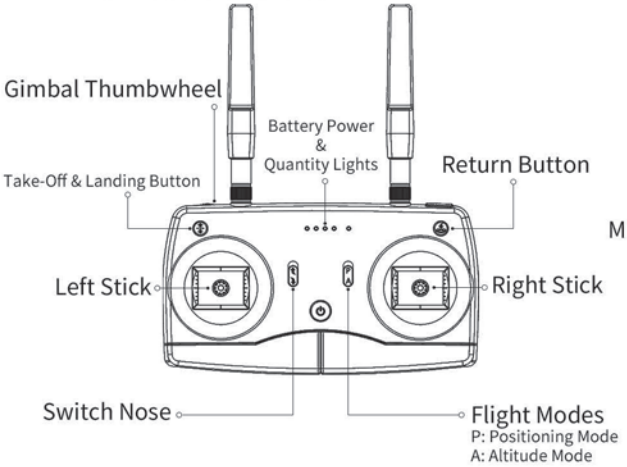
Learn About Flypie Drone

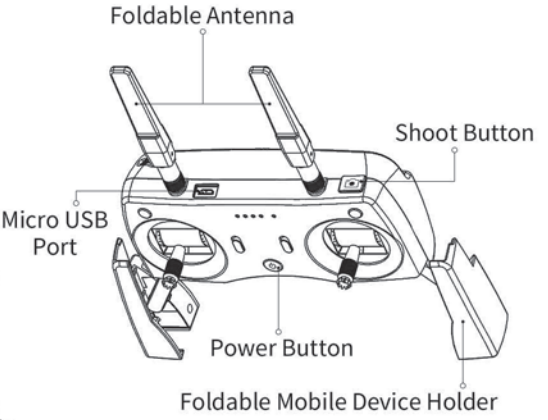
Drone





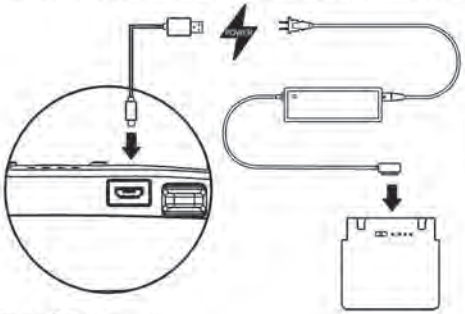
Remote Controller





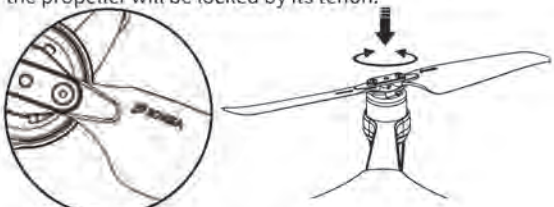
Ready to Fly

Devices Charge :
Charge Drone battery by using dedicated charger, charge drone controller by using Micro-USB cable. The power lights will keep blinking while charging, until lights all gose out means charging complete.



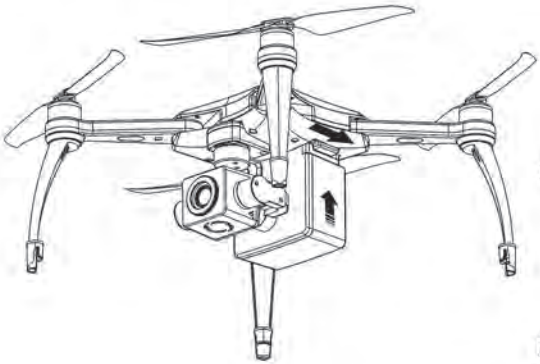
Install battery :
Turn the drone upside down then insert the battery into the battery slot. Push the battery locker to the direction of the 🔒 lock sign on both sides.

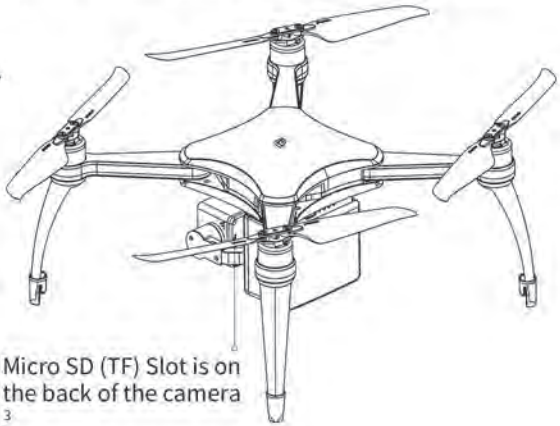
Mounting Propellers :
The propeller are marked as A/B pairs on the propellers' blade-faces which corresponding A/B motors.
Choose the appropriate propeller, mount into the motor slot which coresponding fitly.
Press down and turn to the end of the slot then let go, the propeller will be locked by its tenon.



If the propeller's tenon cannot insert into the slot smoothly, means it is not the corresponding one and have to change to the other pair. DO NOT force insert!

Safety Confirmation :
Make sure the arms of the drone and the propellers' blades are all unfolded compeletly as shown as the figure downbelow.
Confirm propellers have been locked in motors' slots,
Confirm the battery lock has locked the battery firmly.





Micro SD (TF) Slot is on the back of the camera

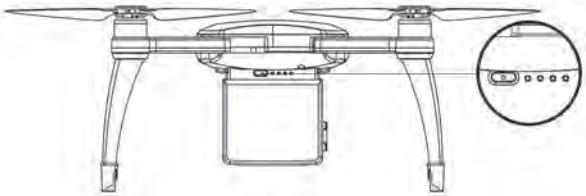
Prepare for Take Off

Please scan the following QR code to download and install the FLYPIE APP.
The FLYPIE APP must be installed and connected to activate the drone.

IOS

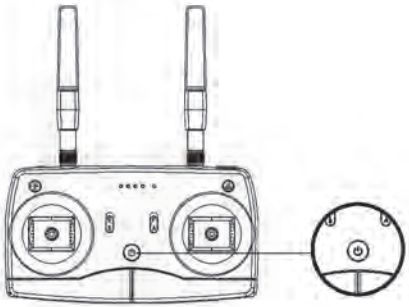
Android

Press Power Buttons once to check the battery level.
Please make sure all the battery is fully charged.



Battery Power Botton :
Short press once to check the battery level,
Long press for ~1 second to turn on.

Drone will be self-check after turned on,
the flight lights of the back arms will be blinking by red,
yellow and green alternately until checked finished.

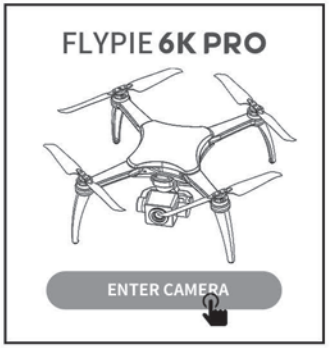


Controller Pwer Botton :
Short press once to check the battery level,
Long press for ~1 second to turn on.

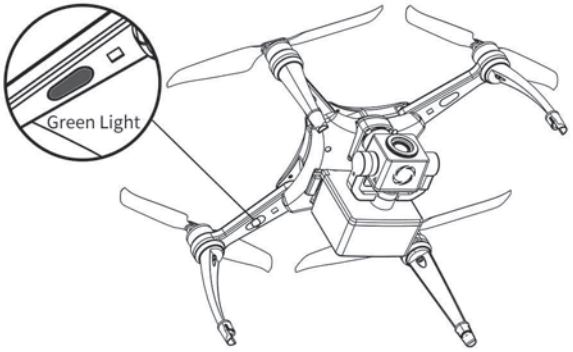
The power light will be blinking by red while
serching for the drone's connection,
light will turn to green when the drone is connected.

Connect to Flypie APP

Use phone number to register and login. Turn on the WIFI of your device and entre the list of the WIFI networks.
Serch the drone control WIFI network which begin with FP and connect to it. **CODE: 87654321**.
Back to the FLYPIE APP after connected.
Follow the instructions of the APP until the main button turns to green.
Press the green button to ENTER CAMERA.



Drone will automaticly serch GPS signal, and the flight lights on back arms will blink by yellow when enter the camera interface.
The lights will turn to green when the sureching is compelet and the APP will shows READY TO GO.
By now, you are ready to take off !



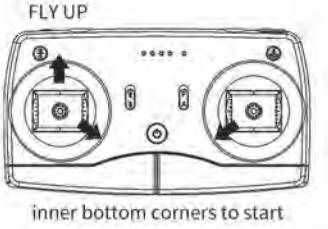
Take-Off Guide

Please make sure the Switch Nose Button and the Flight Modes Button is at the up-side position.
Push both of the button up to DEFAULT NOSE and POSITIONING MODE.

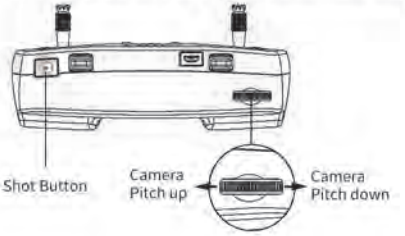
Pull down would be REVERSE NOSE and INDOOR ALTITUDE MODE, may pose risk of misoperation.

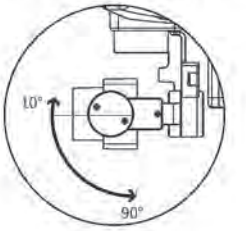
Manual Take-off :
Push both sticks to the inner bottom corners to start the motors.
Once the motors have started spinning, release both sticks simultaneously

Push left stick up slowly and steadily, drone will take off.
Releasae the stick, drone will automatic hover.



Toggle gimbal thumbwheel can be able to adjust camera pitch angle.
Shot button can be able to Take picture or Film video. Two modes can be switched on Flypie APP.



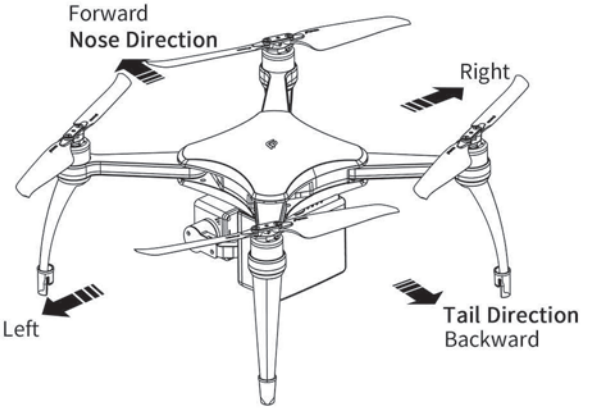


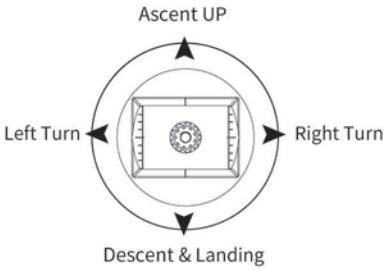
Fly Guide

In Default Nose mode, the gimbal camera side is nose, battery side is tail.

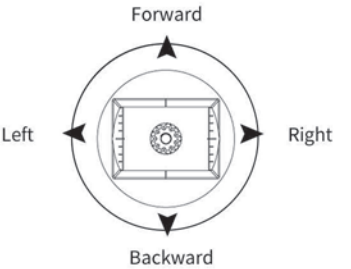
Under normal conditions, there are Red and Green flight lights under drone arms.
The arms with Red lights are the Default Nose Front Arms,
with Green lights are Default Nose Back Arms.

Flight lights can be use to observe drone's toward and use to judge drone status.





Left Stick

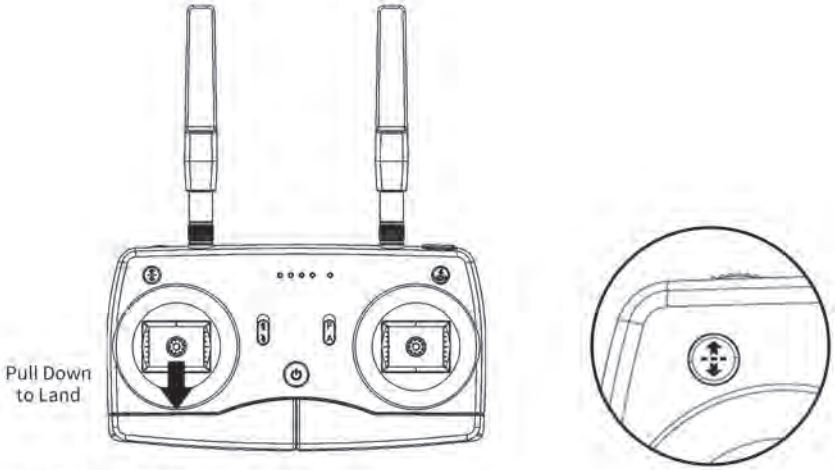


Right Stick

Landing Guide

Manual Landing :

1) Pull the leftstick down stadily to descent altitude.
2) Keep pulling the leftstick down to the bottom for 3 seconds to stop the motors after drone lands on the ground.
3) Long press the battery and controller power button untill the power lights off to turn off the drone and controller.



One Button Take-Off & Landing :

When the drone stopping,

Long press Take-Off & Landing Button for 1 second, drone will take off and ascent up to 3 meters and hover.

When the drone in the air,

Long press Take-Off & Landing Button for 1 second, drone will descent to land and stop motors automatically.

To Takeover,

Long Press Take-Off & Landing Button again to cancel while auto take-off or landing is progressing.

Push or Pull the left stick on the controller can also be able to cancel the auto take-off or landing,

drone will stop the automatic altitude changing progress.

Intellectual Functions

One Button Return：
Long press Take-Off & Landing Button  for 1 second, there will be prompt sound and red light in the button to remind activated, and Flypie App will shows confirmation popup window.
Tap the Take-Off & Landing Button in Flypie App can also implement the same functionality.
After confirm, drone will ascent up to preset autitude (set in app) than fly straight back and automaticly landing.

Tap the button in App again or operat the sticks on the controler to cancle return and take over,
Use the button on controler only can be cancled by long press the button again until the red light off.

Switch Nose：Pull down the switch will Reverse Nose, the horizontal direction will be opposite.

Flight Modes：
P mode is Positioning Mode, all positioning system will be normal operating.
A mode is Altitude Mode, only use to the increase hover stability in weak light and low fly altitude environment.

Intelligent Following：
Make sure the Flight Mode is P-Mode. Activate the Intelligent Following in the App and set a distance, drone will follow operater and maintain the relative distance which been set, drone nose will maintain following operater.
Please make sure the GPS signal of drone and mobile device both are sufficient.
Tap the Stop button in app or operat the remote controler stick to stop the function and take over control.

VR Panorama：
Fly the drone to the centre of the scenery, activate the VR Panorama in app then drone will take VR pictures automaticlly by easy-one-tap Start.

Motion-lapse Video：
Active the Motion-lapse video in app, set the direction and constant fly speed then start. The flying control , video frame pictures shooting and the video post compositing all can be automatically done.

Target Circumferential Flying：
Activate the Target Circumferential in app. Fly the drone above the target, set the target point in app and set the circle around flying speed, fly to a circle around disctance and tap start. While the automatic circumferential flying you could also adjust the flying speed, autitude, and the disctance to target.

Way Point Mode：
Activate the Way Point Mode in app, set the way points in the map, the drone will auto fly on the way.

Wide Angle Mode：
Activate the wide angle mode in app can be able to take 180° wide angle picture.

Identification

Drone Flight Light Status (The lights on front arms always remain red)

	Light Status	Drone Status
1	Red, green and yellow glitter	Self-checking
2	Red Lights	Compass anomaly
3	Flashing Red Lights	IMU uncalibrated
4	Flashing Yellow Lights	GPS signal low
5	Remain Green	Normal

Remote Controler Power Light Status

	Light Status	Remote Controller Status
1	Green Light	Normal
2	Red Light	Battery Low
3	Flashing Red Lights	Search the drone connection
4	Flashing Red Lights and beeping	Battery Serious Low
5	Flashing Green Lights and beeping	Long Time idle

Remote Controller Button

	Power Button		Switch Nose		Take-Off & Landing Button
	Shoot Button		Flight Mode		Return Button

Maintenance and Calibration

1) Propellers
The propeller is easy-damaged parts. Please pay attention to any worn of the propeller and change the damaged propeller.

2) Battery
DO NOT throw the battery into the fire,
DO NOT hit the battery violently.
The performance would be reduced at low temperature environment.

3) Compass Calibration
The compass needs to be recalibrated to ensure flight safety when the magnetic field interference. The notice and guide will be shown on App If drone need calibration.

Specifitation

Take Off Weight	~1128g
Fold Size	170*170*150mm
Unfold Size	275*275*150mm
Transmission/ Remote Distance	Max Altitude 500m，Distance 10000m(no interference, no shielding)
Flight Time	45 minutes (no wind 25km/h constant speed)
Hover Time	40 minutes
Navigation Satellite Systems	GPS/Beidou/Galileo Three modules
Working Environment Temperature	-20°C ~ 40°C
Max Take Off Above Sea Level	6000m
Sensor	1 inch SONY CMOS
Processor	Ambarella H2-S85
Len	Equivalent 24mm-96mm focal length ; FOV 86°; F2.6
Photo Max Resolution	5472X3648
Video Resolution	6K 30FPS; 4K 30/60FPS; 2.7K 30/60FPS; FHD 30/60/120FPS
Video Encoding	Support Max 10-bit ; H.265; 100 Mbps
Storage Format	JPEG/DNG(RAW)/MP4
Storage Card	Recommended MicroSDXC™ UHS-I, U1 A1 C10 or above
Battery Name	TS100
Battery Capacity	4625mAh
Rated Voltage	Output 21.6V
Type of Battery	Battery 6S
Rated Energy	99.9Wh
Battery Weight	~480g
Charging Voltage	Input 25.2V
App Name	Flypie
HD Digital Diagram	1080P
Supported Operating System	iOS 9.0 or later; Android 5.0 or later
Supported Size of Mobile Device	Less than 7 inches

After-sales Policies

Flypie Guarantee Instruction

According to *Law of the PRC on the Protection of the Rights and Interests of Consumers*, *Law of the People's Republic of China on Product Quality*, Flypie after-sales service policies are as follows:

1.Within 7 days after you receive, if the product has performance malfunction, performance manufacturing defect, or shipment damage, the product can be returned or replaced for free after flypie official examined qualified.

2.Within 8-15 days after you receive, if the product has performance malfunction, performance manufacturing defect, or shipment damage, the product can be replaced or repaired for free after flypie official examined qualified.

3.Within product warranty period, if the product has performance malfunction, performance manufacturing defect, the product can be repaired for free after flypie official examined qualified.

Product Performance Fault List

	Performance Failure
Flypie Drone	Drone Fault
	Remote controller Fault
	Battery Fault
	Charger Fault
	Significant manufacturing defects were found before use

Product Warranty Period

Components	Unit	Warranty time
Drone	circuit	12 Months
Frame	shell, landing gear, propeller	No warranty
Controller		12 Months
Battery		6 Months and Carge cycle less than 150 times
Charger		12 Months
Motor		6 Months
Gimbal Camera		6 Months

Non Warranty Regulations

1.Any product fault or damage has been caused by unauthorized modification or man-made damage.
2.Any damage has been caused by force majeure.
3.Guarantee has been expired.

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.