



German manufacturer, LRP makes quite a claim about the performance of this little quad. This due to the four drive systems

and standard gyro and its small size and great agility which makes it very easy to handle. It is possible to alternate between training and regular mode via the 2.4GHz transmitter. At the push of a button, spectacular 360° loops can be performed – in combination with the pressed 360° Advanced Button even in any direction.

### Features at a glance...

- 360 degree automatic looping - Quadcopter performs looping on key press
- Optional video-camera available - Upgrade your H4 Gravit to take pictures and videos during flight
- Built-in six-axis gyro - Provides extra stability and perfect flight control
- RTF - Ready To Fly - Fully assembled and ready to fly
- Factory tuned and tested - 100% quality control
- Rotor safety guard - For safety while flying
- Complete Set\* - Consists of the following components: quadcopter, 2.4GHz FHSS transmitter, battery, charger, spare rotor blades (\*not included: AA cells, sold separately)
- Training Mode - Quadcopter flight mode can be switched between training and regular mode via the mode button on the transmitter
- Four-Channel Digital Proportional 2.4GHz FHSS Control - Interference free transmitting due to automatic frequency check
- Blue backlit LCD display - Shows all important functions like trims, battery status, mode 1 / mode 2
- LED Lights - Stylish looking LED search and positioning lights
- Long flight time for maximum fun

# BEAT THE LAWS OF

LRP HAS RELEASED A MICRO-QUADROCOPTER WITH EXTREMELY STABLE FLIGHT CHARACTERISTICS THAT GUARANTEES BREATHTAKING FLIGHT MANOEUVRES, THE MICRO GRAVIT 2.0. WE GIVE IT A TRY



Inside the box you'll find the quad, transmitter, battery, charger and spare blades



LRP has provided the perfect carry home package with everything included to get the micro quad flying



# PHYSICS

## DESIGN

The four rotors and the electronics are protected by a framework made of flexible, shock-resistant foam. Therefore, the H4 Gravit should be able to withstand hard landings and even crashes. The LRP LiPo battery can be taken out for charging with the included USB charging cable. An additional search light, that can be switched on via the transmitter, also enables flying in the dark. The H4 Gravit Micro is extremely robust and suitable for all pilots with some flight experience.

The LRP H4 Gravit Micro is a pre-assembled RTF quadcopter controlled by a neat 2.4GHz transmitter. It comes out of the box ready to fly with the rotors protected by a durable plastic body in case of accidental heavy landings or bumping into obstacles. Designed for indoor use it has an overall diameter of just 190mm, which is slightly larger than your average micro quad, and features an extremely agile flight characteristic with its built-in six-axis gyro that makes it exceptionally easy to control.

The four rotors and the electronics are protected by a body made of flexible,



As you'd expect from LRP, the Gravit Micro is well engineered and the colour scheme is good looking



Here you can see the simple structure surrounded by a foam frame. The quad uses blue props on the front and black on the rear



There is a little motor on each corner that provides plenty of power. The props are protected by a foam outer frame



The LiPo battery pack sits in a cradle underneath the model for the best centre of gravity. The six-axis gyro and receiver sit above it

shock-resistant foam material, therefore the H4 Gravit Micro should be able to withstand hard landings and even light crashes. The LRP 2S 240mAh LiPo battery can be taken out for charging with the included USB charging cable. An additional headlight can be switched on via the transmitter, which also enables flying indoors in the dark a little easier to orientate.

At first glance the Gravit looks quite similar to many other quadcopters on the market, but a closer look reveals some interesting extra features.

## DIGITAL TRANSMITTER

The basic 2.4 GHz FHSS transmitter has digital trims plus two additional function buttons (mode select and 360 degree flip) on the front.

When switched on the transmitter displays a large central number on the backlit blue LCD screen. This number indicates the throttle setting; i.e. 0-100%. The mode setting, where the headlight is on or off, battery charge level and digital trim settings are also shown.

The quad's LED headlight can be turned on or off by pressing the LED button mounted on the top right of the transmitter. By using the Mode-Switch you can swap between Beginners - Mode 1 and Advanced - Mode 2. Which mode is active at the time is also shown on the transmitter.

Pushing the little black 360 degree button on the front of the transmitter allows the Gravit Micro to perform a sideways loop before it returns to normal level flight. This is a nice feature that can be used to impress your friends.

## USB CHARGER

The LiPo battery is charged using the supplied USB powered charger. This must be connected to a computer or a USB power supply using the provided USB cable. Next connect the battery to one of the free sockets on the left or right side of the charger and the battery will start to charge. Full charge is indicated by the red LED light on the charger going out.

## GETTING AIRBOURNE

In order to get the Gravit Micro in the air you first need to insert the battery into the cradle on the underside of the model and switch on the transmitter where a short beep will be heard and the status LED will flash red and the LED display will start to operate. Now connect the battery and place the model on a flat tabletop surface for the gyro to stabilise and establish horizontal setting. Move the throttle fully open and fully closed to bind the model and the flashing status light will stop flashing. After a short sequence of beeps the quad is ready to take-off.



**IN FLIGHT**

The Gravit Micro will fly outside on a calm day, but it is quite light so care must be taken or you could see it disappear from view quite quickly. The four motors provide more than enough power to get the micro quad airborne quickly. It's not keen on low hovering as it is made unstable by its own rotor wash, but once up at a decent level height it actually feels quite stable. The little transmitter is comfortable to hold and the quad responds well to all the control inputs which gives the pilot confidence.

General hovering and manoeuvres can be undertaken quite easily and you will soon be flying the little LRP machine around in its more docile Mode 1 setting. Once you've mastered it in this setting it's time to spice things up a little by switching to Mode 2. This makes the whole quad a lot livelier in the air and more responsive to transmitter control inputs and will be

**SAFETY TIP**

Never leave the LiPo battery unattended while charging, and never leave your power supply connected to mains power when not in use.

the mode of choice for experienced pilots. It's in this more advanced flight mode that you are able to test out the neat little 360 degree flip feature. Simply take the quad to a reasonable altitude, push the button and hey presto, you've performed a complete sideways loop. It seems to work reasonably well, but being at the right height is key to maximising the manoeuvre.

This quad is really much more at home flying around indoors where you have some space. A sports hall would be perfect and I can see this model being used at the local indoor flying club when you have some downtime between hell flights. It does offer something different in the shape of the 360 degree flip feature and of course the front searchlight and at just under £60 you can't really argue about the price.

It is supplied in a very neat little box that will provide somewhere safe to keep the model and carry around. Another nice thing is that it comes with everything you need to get it flying quickly out of the box which gives it excellent shelf appeal in the model shop. It looks the part too. German company LRP is renowned for quality products and you can see that even though the Gravit Micro is no doubt produced in the Far East, the LRP engineers have had plenty of input which has resulted in a neat little machine that looks like something much more expensive. As the quad trend continues to grow and with more on the market all the time, it is difficult to make you product stand out, but by adding some nice little touches and features, LRP seems to have achieved just that.



The LiPo battery pack is charged via a USB charger from a PC or power supply



The little transmitter looks good and is comfortable to hold and even has digital trims

Make sure you read the instruction manual before taking the quad out to play



The Gravit Micro certainly looks the part and is robust enough to withstand some knocks



The transmitter has a large central LCD screen that displays plenty of useful information

**THE VERDICT...**

The LRP Gravit Micro is a neat little machine. It's very nicely presented in a little box with everything you need to get it airborne. This makes it a great value package for anyone looking for their first quad or just for something to have a little fun with. It works well outside on a calm day, but flies much better indoors without any effect from the wind.

The six-axis gyro and four powerful motors helps it to perform just a like a larger model so will even keep quite experienced pilots amused. Add into the mix the 360 degree flip button and it really does offer something a little different to other quads on the market at a value for money price.

**Tech Spec...**

**LRP H4 Gravit Micro 2.0 Quadcopter**

- Rotor diameter:..... 130mm
- Control functions: up/down, right/left, forward/backward, 360 deg, hovering sideways, loop
- Weight (ready to fly):..... 125g
- Canopy diameter:..... 80mm
- Overall diameter:..... 400mm
- Overall height:..... 60mm
- RRP:..... £59.99
- Optional:..... Video Camera to be purchased separately

UK distributor: ..... Spire Model Distribution  
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 Web: ..... www.smdirect.co.uk  
 Manufacturer: ..... LRP  
 Web: ..... www.lrp.cc