

USER MANUAL

MANUALE UTENTE

MANUAL DO USUÁRIO

BRUKSANVISNING

BENUTZERHANDBUCH

MANUEL UTILISATEUR

MANUAL DE USUARIO

ユーザーマニュアル

РУКОВОДСТВО ПОЛЬЗОВАТЕЛЯ

用户手册

wiral[®] LITE

Read the complete manual before using the product.

- EN** To download this user manual in a different language, visit wiralcam.com/support.
- DE** Wenn Sie dieses Benutzerhandbuch in einer anderen Sprache herunterladen möchten, besuchen Sie wiralcam.com/support.
- FR** Pour télécharger ce manuel de l'utilisateur dans une autre langue, rendez-vous sur wiralcam.com/support.
- ES** Para descargar este manual de usuario en otro idioma, visite wiralcam.com/support.
- IT** Per scaricare questo manuale utente in un'altra lingua, visita wiralcam.com/support.
- PT** Para baixar este manual do usuário em outro idioma, acesse wiralcam.com/support.
- NO** For å laste ned denne brukerhåndboken på et annet språk, besøk wiralcam.com/support.
- SE** För att ladda ner den här bruksanvisningen på ett annat språk, besök wiralcam.com/support.
- DE** Hvis du vil downloade denne brugervejledning på et andet sprog, besøg wiralcam.com/support.
- JA** このユーザーマニュアルの他言語版をダウンロードするには、wiralcam.com/support にアクセスしてください。
- ZH** 如需下载本用户手册的其他语言版本，请访问 wiralcam.com/support。
- RU** Чтобы загрузить это руководство пользователя на другом языке, посетите страницу wiralcam.com/support.

WELCOME TO THE COMMUNITY!

Bam! Thanks for purchasing Wiral LITE and welcome to the community of creators.

Adding Wiral LITE to your filming gear is a great step towards making super engaging videos that showcase your point of view. So whether you're an adventurer and traveler, adrenaline lover, or an aspiring filmmaker, you'll tell better stories with Wiral LITE.

Never before has a cable camera, a long-time staple in the filmmaking industry, been this compact, light, easy to use, and packed with features that let your creativity flow free. Bring your Wiral LITE with you everywhere you go and you'll find yourself making professional looking videos that bring you joy and make everyone stop and ask: "Wow, how did you make that?"

Go out, be curious and creative - and capture the world with your Wiral LITE.

Use **#WorldOfWiral** hashtag when you post online to make sure we see your videos!

Are you like us more of a video person?

Check out online tutorials here:



www.wiralcam.com/how-to-use

DISCLAIMERS

1. Read the complete manual before using the product.

2. The user holding the remote control is legally the operator of the unit. The operator is responsible for safe usage and consequences of unsafe usage of the unit and the line. Wiral Technologies AS is not responsible for any injury, damage of property or harm caused by usage of Wiral LITE and accessories.

3. The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

4. Do not breach the bounds of privacy. Ask for permission before using Wiral LITE on private property.

5. Do not use the Wiral LITE while under the influence of drugs or alcohol.

CAUTION

To avoid injuries and damages to property:

1. Keep control of the immediate environment and keep Wiral LITE in line of sight at all times when operating the unit. Wiral LITE requires a certain line length for braking and stopping [See page 11]. Lack of attention can result in crashing it into the end anchor points or other obstacles.

2. To keep the Quick Reel™, tightening strap, or rope from breaking, and prevent the resulting injuries/damages to property, follow these instructions:

- Always make sure the Quick Reel™ is securely locked when tightening the rope.
- Do not set up the line in locations where it might interfere with, or block traffic or anything that might crash into the line [e.g. trails, roads].
- Do not set up the line and use Wiral LITE above people and large crowds.
- Do not set up the line near heat sources, sharp objects or in another way that lead to the line being cut [e.g. open flame, concert lights, sharp rocks]
- Do not set up the line on weak or unstable anchors or anchor points that do not have a fixed distance
- Never overtighten the Quick Reel™. Tighten by hand only, and do not tighten above 390N [40kg/90lbs]. [Replace strap if safety seam is breached].
- Do not pull or apply pressure on a line that is fully tightened.
- Release the control wheel and stop the Wiral LITE immediately if it derails or if an obstacle keeps it from moving freely.
- Never exceed maximum payload of 1.5kg [3.3 lbs]
- Do not leave the line mounted unsupervised.
- The breaking strength of the rope is 353 kg, and may decrease over time due to UV light exposure and wear.

3. Warning! Do not throw, pierce, attempt to fix, or in other ways tamper the integrity of the battery. Do not charge the battery with a non-Wiral charger. Misuse of battery could lead to risk of fire and burns.

4. Always make sure that the Wiral LITE and the remote control are powered on and the line is tightened before mounting Wiral LITE on the line. Do not loosen or tighten the line while the unit is mounted.

5. Do not touch the motor when the product is in use or immediately after use.

6. Do not expose Wiral LITE to water. It is not waterproof and cannot be used under water. [do not use in snowstorm, sandstorm, or other extreme weather]

7. Do not use in temperatures below -15°C and above 50°C

8. Do not use Wiral LITE in wind conditions exceeding 10 m/s [22 mph], or in other severe weather conditions.

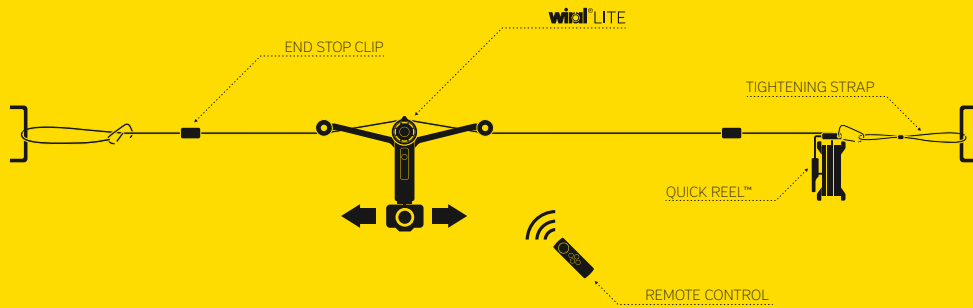
9. Do not use in areas with high levels of interference [e.g. radio transmission towers].

10. Store the kit in room temperature, in a dry environment and shielded from sunlight. Maximum line strength may decrease over time.

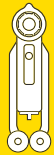
11. Always keep Wiral LITE, all accessories and packaging out of reach of children and infants.

12. Never use 3rd party accessories including 3rd party rope as a replacement for the original parts. Only use genuine certified Wiral replacement parts.

OVERVIEW



WHAT'S IN THE BOX



Wiral® LITE



REMOTE CONTROL



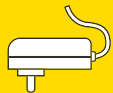
QUICK REEL™



TIGHTENING STRAP



11.1 V LI-POLY BATTERY



UNIVERSAL CHARGER

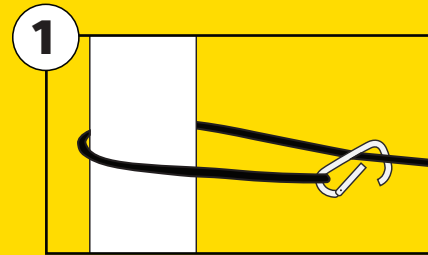


BALL JOINT MOUNT



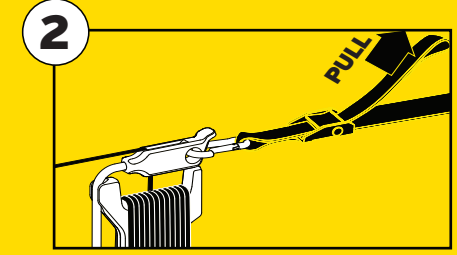
END STOP CLIPS (2X)

QUICK SETUP



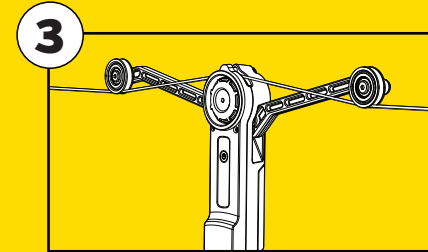
ATTACH

Find a suitable anchor point and attach the line.



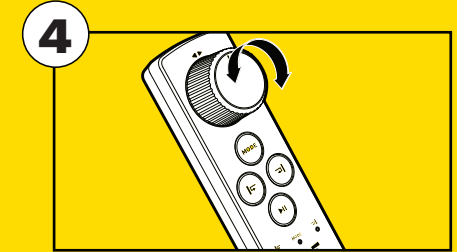
TIGHTEN

Tighten the rope with the tightening strap. **See more on how to set up the line on page 10-13.**



MOUNT

Mount Wiral® LITE on the line and attach your camera. **See more on page 4-15.**



GO!

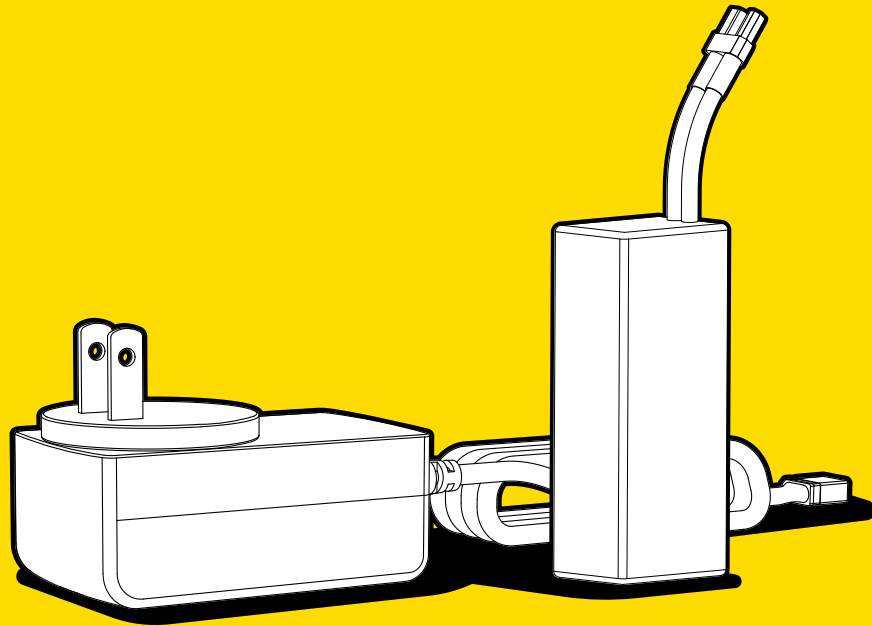
Control Wiral® LITE with the remote control in three different speed modes or with the **Wiral® LITE** App on your phone. **See how to control Wiral® LITE on page 16-21.**

UPDATE FIRMWARE

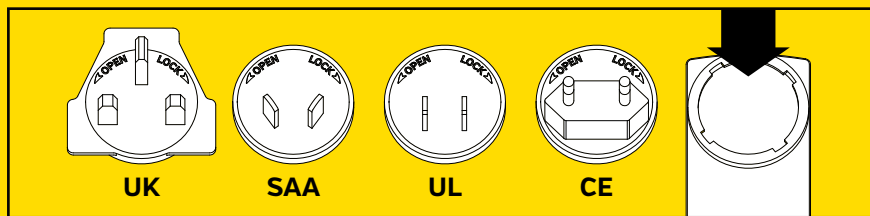


We are continuously working on improving the performance and functions of Wiral LITE. To be sure your Wiral LITE has the latest features integrated, you should scan the QR code or follow the link below to download the latest update:

www.wiralcam.com/firmware

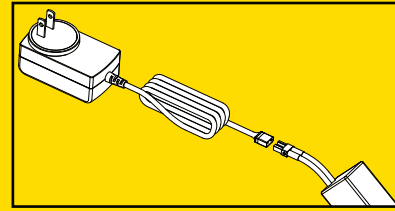


1 CHARGE



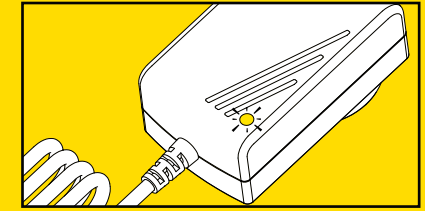
01 SELECT AND MOUNT PLUG

The charger comes with four different interchangeable plugs. Select the correct one for your area, and insert it into the charger.



02 CONNECT BATTERY

Connect the battery to the charger, and plug the charger into a power outlet.



03 WAIT FOR GREEN LIGHT

When the battery is fully charged, the LED indicator will change from red to green. The battery is now ready to use.

SAFETY AND DISCLAIMERS

01 Read this entire document (Wiral LITE User Manual) before charging and using the battery.

02 Never puncture, deform, disassemble, shock or short circuit the battery.

03 Stop using or charging the battery if it swells up, the temperature exceeds 60°C, if it leaks or if anything abnormal happens.

04 Keep battery out of reach of children.

05 Never use a wet battery.

06 Keep the battery away from heat and flammable materials.

07 Only use the original Wiral LITE charger.

08 The user takes the full responsibility of using this battery.

09 Never charge the battery unattended.

10 Immediately stop using the battery if you see signs of inflation/battery swells up.

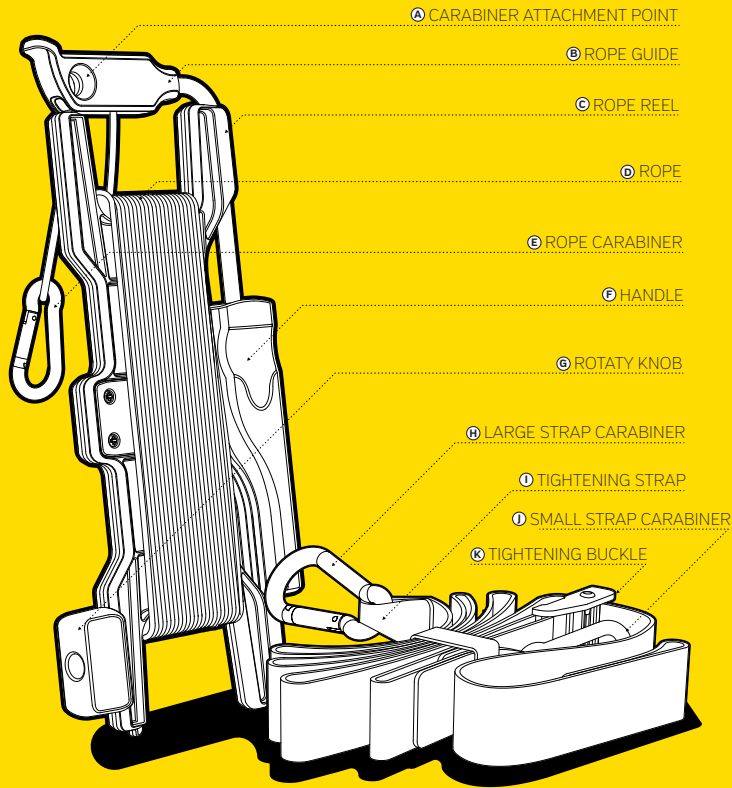
11 Do not expose for mechanical damage.

12 Only use Wiral charger to charge the battery and do not use Wiral charger for other batteries.

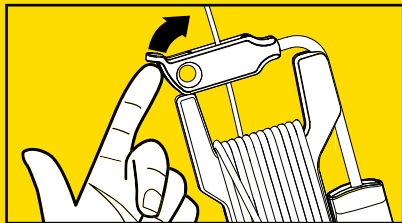
13 Dispose of the battery accordance to local regulations.

14 Do not replace the battery in Wiral LITE with a third party battery.

Contact us if you have any questions about the battery:
wiralcam.com/contact

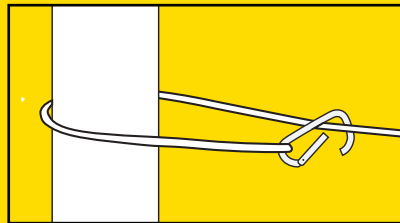


2 SET UP THE LINE



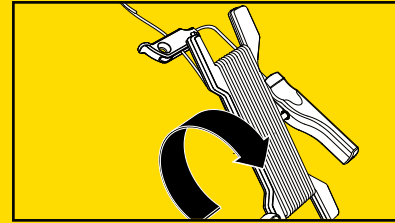
01 UNLOCK QUICK REEL™

Press rope guide to unlock Quick Reel™ and unwind the rope.



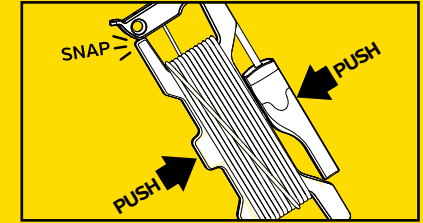
02 ATTACH CARABINER

Place the rope around the first attachment point, and attach the carabiner to the rope. **Do not attach to weak or unstable anchor points.**



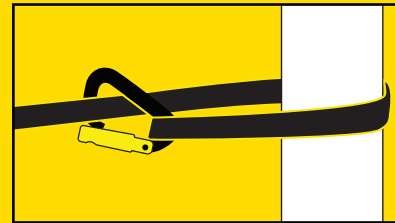
03 UNWIND ROPE

Pull out the rope and let the reel rotate freely to unwind the rope.



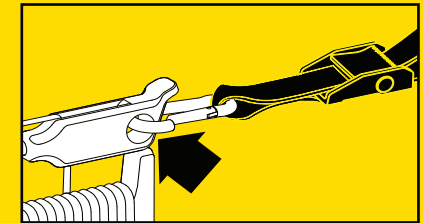
04 LOCK QUICK REEL™

Lock the Quick Reel™ when you are close to the second attachment point.



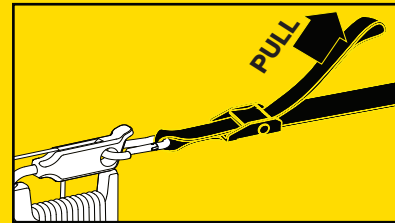
05 FASTEN STRAP

Place the tightening strap around the second attachment point, and attach the large strap carabiner.



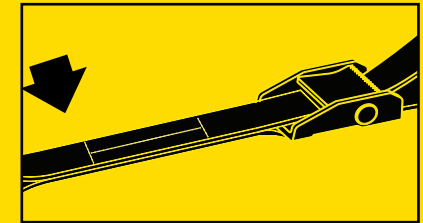
06 ATTACH

Connect the small strap carabiner to the Quick Reel™ rope guide.



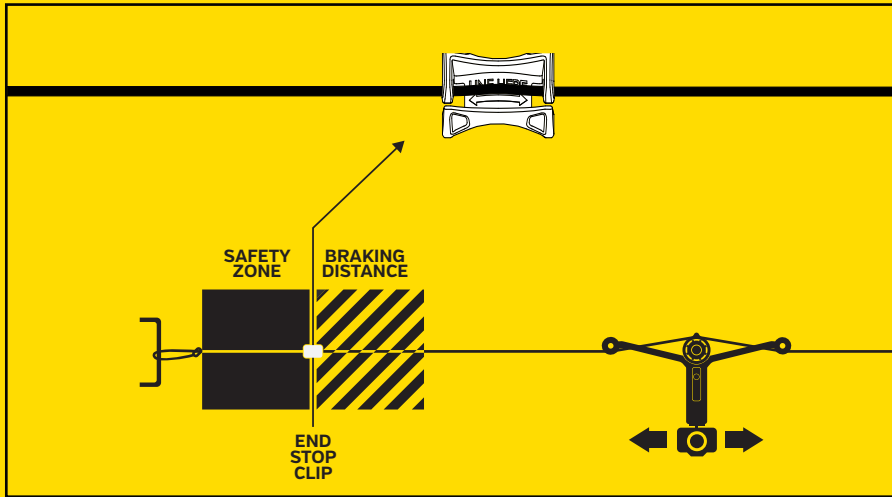
07 TIGHTEN STRAP

Tighten the system by pulling the end of the strap **as tight as possible using one hand**. Minimum force: 5 kg / 49 N, Maximum force: 40 kg / 390 N



08 SAFETY FEATURE

To ensure that the rope is not too tight, the tightening strap has a safety feature. If the seam is breached, too much force is applied to the line.



09 MOUNT END STOPS

Mount the end stops on to the rope at a safe distance from each attachment point. The end stops will prevent Wiral LITE from crashing into the attachment points. When the end stops are mounted, the unit will either derail or stop before it reaches the anchor point. The safety zone and braking distance will depend on the weight of the camera. See the tables below for recommended distances.

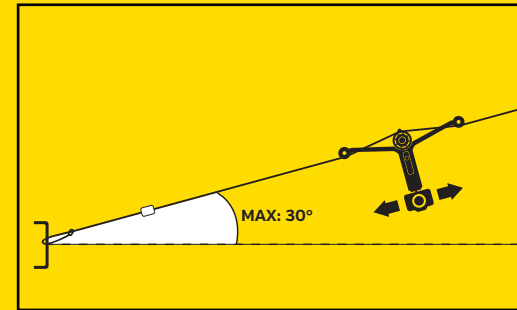
Recommended Safety Zone

Weight of Camera	0 - 500 g (0 - 1.1 lb)	500 - 1000 g (1.1 - 2.2 lb)	1000 - 1500 g (2.2 - 3.3 lb)
Horizontal	3 m / 10 ft	4 m / 13 ft	5 m / 16.5 ft
Max. Incline	1.5 m / 5 ft	1.5 m / 5 ft	1.5 m / 5 ft
Max. Decline	5 m / 16.5 ft	7 m / 23 ft	9 m / 29.5 ft

Braking Distance

Weight of Camera	0 - 500 g (0 - 1.1 lb)	500 - 1000 g (1.1 - 2.2 lb)	1000 - 1500 g (2.2 - 3.3 lb)
Horizontal	4 m / 13 ft	5.5 m / 18 ft	7 m / 23 ft
Max. Incline	2 m / 6.5 ft	2 m / 6.5 ft	2 m / 6.5 ft
Max. Decline	5 m / 16.5 ft	7 m / 23 ft	9 m / 29.5 ft

**The values are estimates, and may vary with environmental conditions.*



10 INCLINE

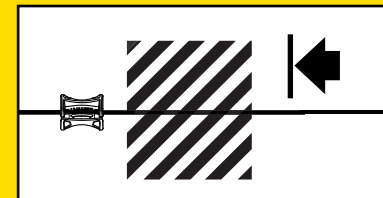
The maximum incline of Wiral LITE varies with the weight of the camera attached to it. See the table below to check how steep your setup can move. **Warning!** If you exceed this limit at your own risk, the unit will overheat and shut down to avoid permanent damage.

Maximum incline

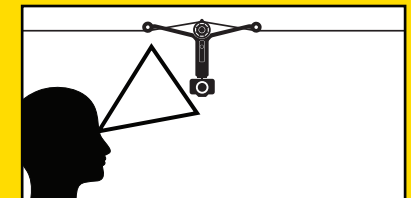
Weight of Camera	0 - 500 g (0 - 1.1 lb)	500 - 1000 g (1.1 - 2.2 lb)	1000 - 1500 g (2.2 - 3.3 lb)
Max. Incline	30°	25°	10°

**The values are estimates, and may vary with environmental conditions.*

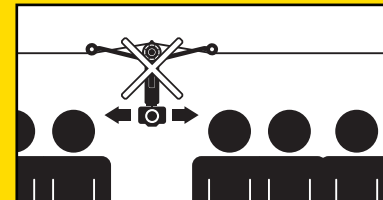
Warning!



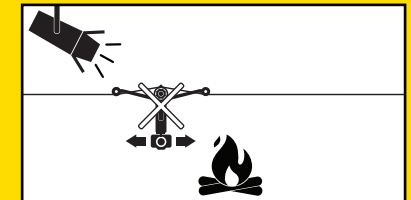
Use the line with care. Rough use can lead to damage to the rope. Do not crash into end stops in high speed or brake hard with high loads attached.



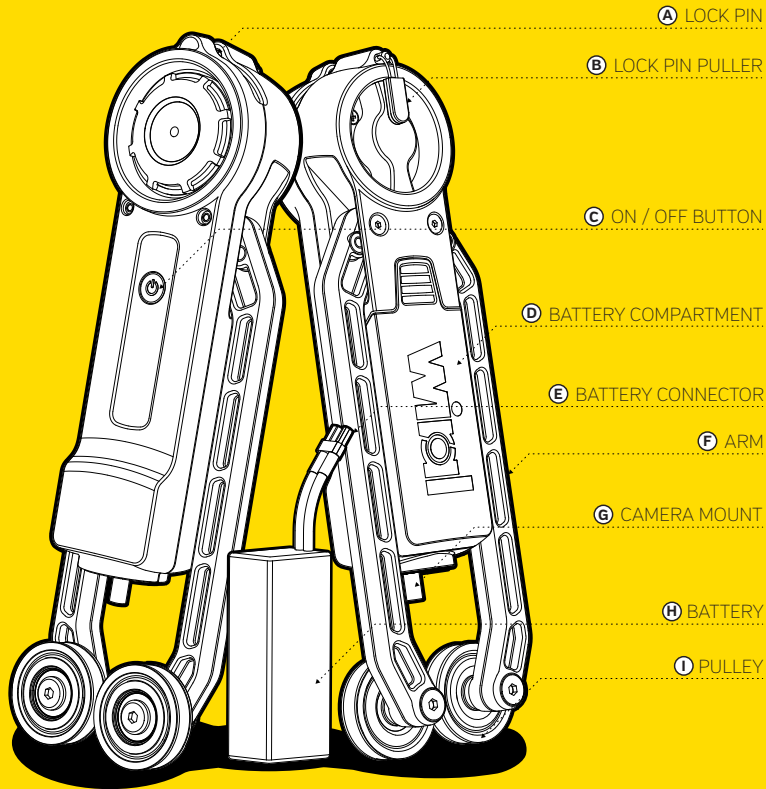
Keep control of the immediate environment and keep Wiral LITE in line of sight at all times when operating the unit. Lack of attention can result in crashing it into obstacles.



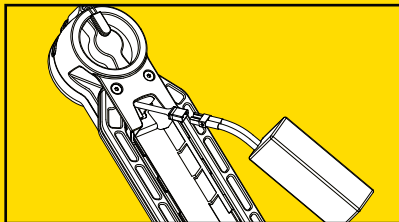
Do not set up the line and use Wiral LITE above people, in locations where it might interfere with traffic or where objects might crash into the line (e.g. trails, roads).



Do not set up the line near heat sources, sharp objects or in any other way that might lead to the line being cut (e.g. open flame, concert lights, sharp rocks).

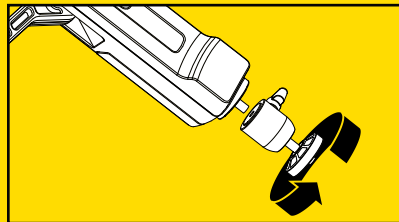


3 MOUNT THE UNIT



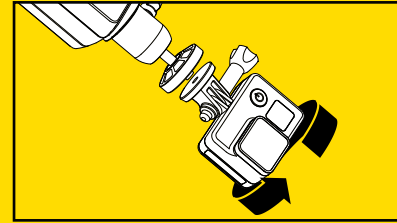
01 INSERT BATTERY

Insert battery and connect it to the power plug. Keep battery unplugged when the unit is not in use to avoid gradual discharge.



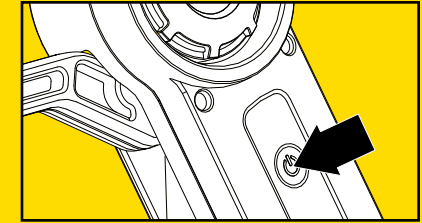
02 MOUNT BALL JOINT

Mount the ball joint to be able to point your camera in any angle.



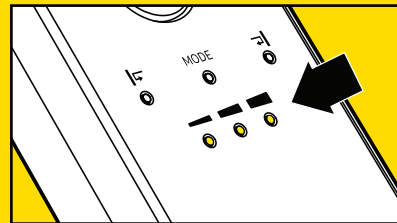
03 MOUNT CAMERA

Mount your camera on the universal camera screw. Tighten the screw on the ball joint to keep the camera screw from spinning when attaching your camera.



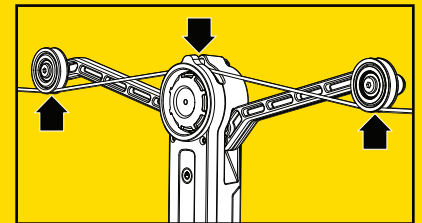
04 TURN ON

Press the button on the front to turn WIRAL LITE on. **Always power on before mounting the unit on the line.**



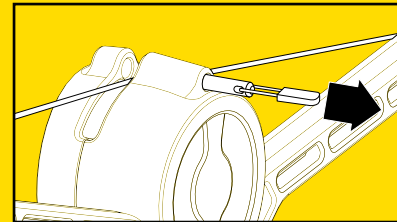
05 CHECK BATTERY LEVEL

To check the battery status of the main unit, hold the play / pause button for 2 seconds. The status will be displayed on the LED below.



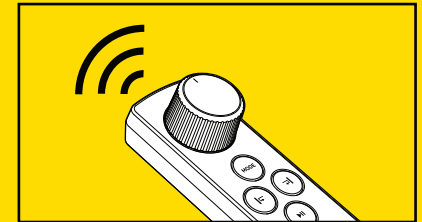
06 MOUNT ON LINE

Mount the unit on the line by placing the line under the two pulleys and over the drive wheel.



07 SECURE THE UNIT

Secure the unit by opening the lock pin, let the line pop into place. Make sure that the line is placed in the drive wheel groove to avoid damage on the rope.

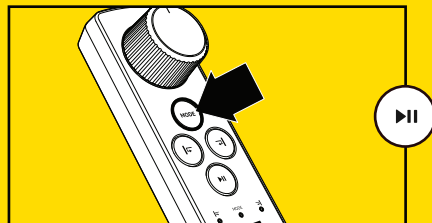


08 TURN ON THE REMOTE

Press the mode button to turn the remote on. The remote will connect to the main unit and the main unit will turn white. For troubleshooting connection issues, read more on page 22.

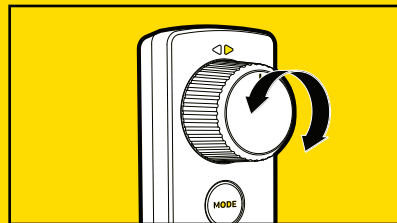


4 CONTROL THE UNIT



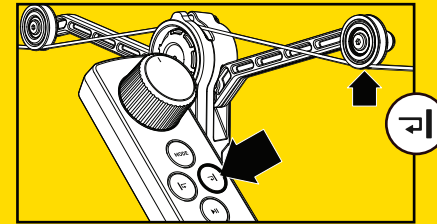
01 POWER ON

Press the **Mode Button** to turn on the remote control. The Mode LED will turn on. Hold the same button for 2 seconds to turn off.



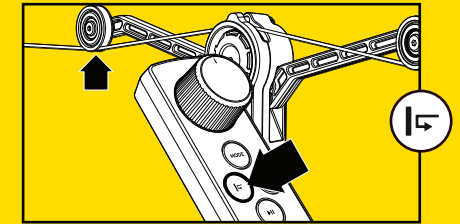
02 CONTROL MOVEMENT

Rotate the **Speed Wheel** to move the main unit. Rotating towards the yellow arrow, will move the main unit in direction of the arm marked with a yellow stripe.



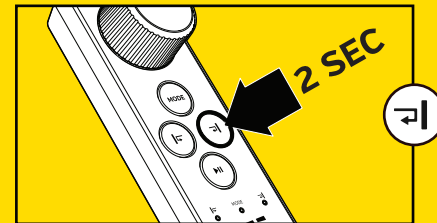
03 SET DIGITAL END STOP

Set digital end stops by moving the unit to the point you want it to automatically stop and press the end stop button.



04 RESET END STOPS

Be aware that the end stops might drift. They should be reset after emergency stops. Use end stop clips for extra safety.



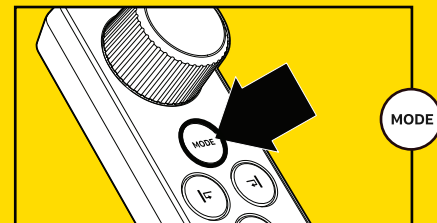
05 REMOVE END STOP

Remove end stop by holding the end stop button for 2 seconds. To replace an end stop, just click the end stop button when you want to place it.



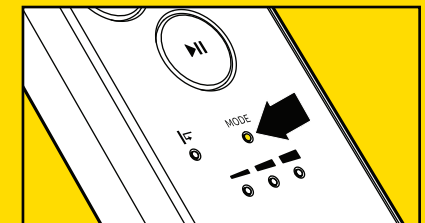
06 END STOPS NOT SET

Setting digital end stops is highly recommended. In time lapse mode the indicators will blink if the end stops are not set.



07 CHANGE MODE

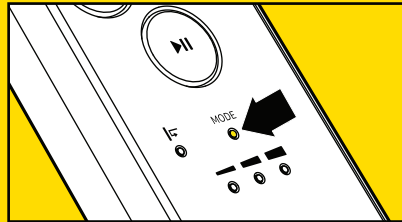
The remote is automatically set to normal mode when turned on. Change modes by pressing the mode button.



08 MODE INDICATION

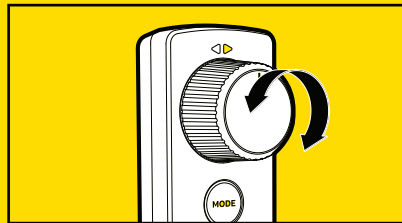
Normal Mode: Mode indicator LED is blinking slowly.
Sport Mode: Mode indicator LED is blinking fast.
Time Lapse Mode: Mode indicator LED is continuously lit.

Normal mode



01 MODE INDICATION

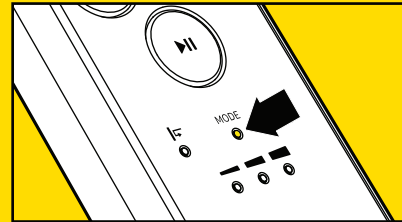
When in Normal Mode, the mode indicator will fade **slowly** in and out.



02 CONTROL THE SPEED

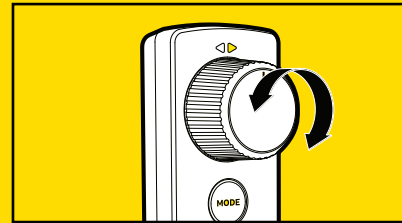
Control the **speed** from 0 to 5 km/h [0 - 3 mph] directly by turning the speed wheel. Let go of the speed wheel to **NEW IN FW 1.1** nit.

Sport Mode



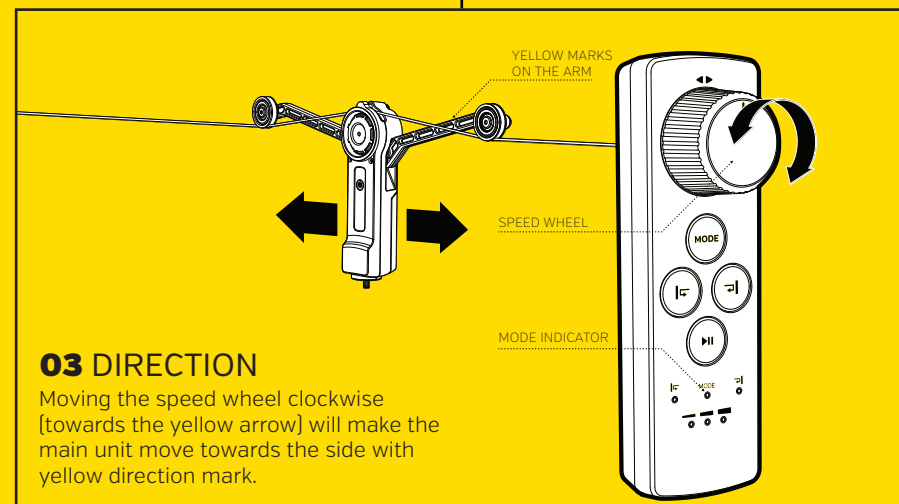
01 MODE INDICATION

When in Sport Mode, the mode indicator will fade **quickly** in and out.



02 CONTROL THE SPEED

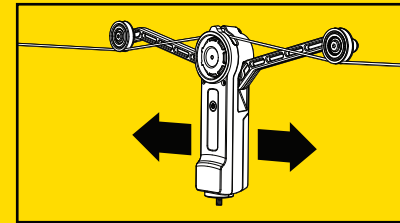
Control the **speed** from 0 to 35 km/h [0 - 22 mph] directly by turning the speed wheel. Let go of the speed wheel to **NEW IN FW 1.1** nit.



03 DIRECTION

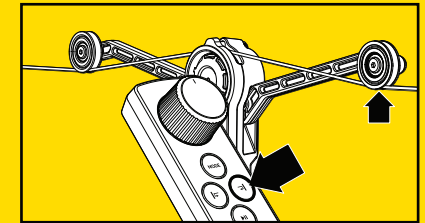
Moving the speed wheel clockwise (towards the yellow arrow) will make the main unit move towards the side with yellow direction mark.

Ping-Pong Motion **NEW IN FW 1.3**



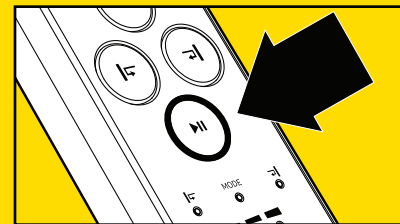
01 AUTOMATIC MOVEMENT

When in Normal mode, Wiral LITE can be set to ping pong (move automatically) back and forth at a speed of 0 to 5 km/h [0 - 3 mph].



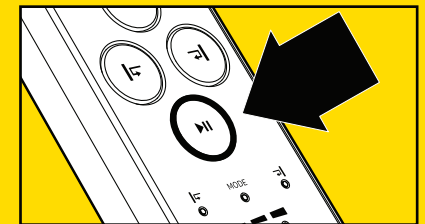
02 SET END STOPS

Make sure digital end stops are set on both sides. The feature will not work if the end stops are not set.



03 SET SPEED

Control the speed with the speed wheel as usual. When you reach the desired speed, press the Play/Pause button to start Ping-Pong Motion between the digital end stops.



04 STOP

Press the Play/Pause button once more to stop the Ping-Pong motion. The speed is not saved and needs to be reset if you want to keep the unit moving automatically.

⚠ Warning!

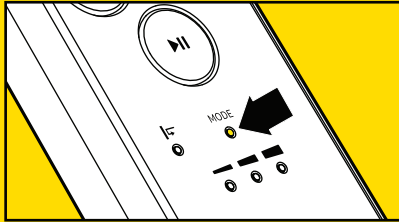
Digital End Stops might drift. We recommend that you reset the end stops when using Ping-Pong Motion over longer periods of time.

We recommend using Ping-Pong Motion with little to no incline. If you use it with incline, make sure you have enough space on either end of your digital end stops.

Immediately release the control wheel and stop the unit if it is spinning to avoid damage on the rope.

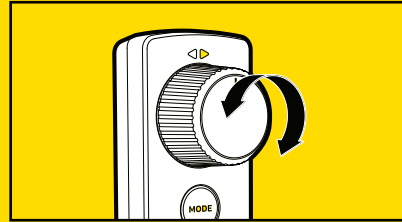
Remember to follow the recommendations for braking distance, safety zones and incline, especially in high speeds.

Timelapse Mode



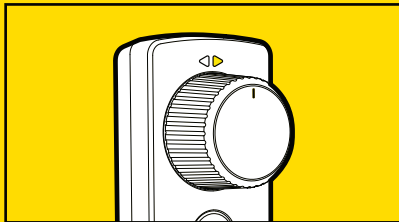
01 MODE INDICATION

When in Timelapse Mode, the mode indicator is continuously lit.



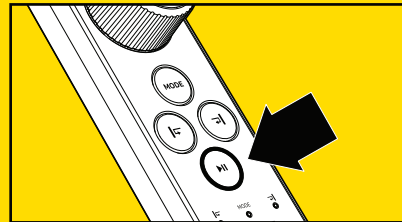
02 SET SPEED

Control the **acceleration** by turning the speed wheel. Moving the speed wheel clockwise (towards the yellow arrow) will accelerate the unit towards the side with yellow direction marks.



03 RELEASE SPEED WHEEL

When releasing the wheel, the unit will continue in the same speed.



04 PAUSE TIMELAPSE

Pause the timelapse by pressing the move/pause button on the remote. The unit restarts when the play/pause button is pressed for the second time.



05 RESET SPEED

To set the speed to zero, click the play/pause button twice.



Warning!

Time lapse mode should only be used with horizontal line. Incline on the line can lead to the unit overheating.

NEW IN FW 1.1

SPEED LEVEL 1	6.6 m / 21.4 ft per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SPEED LEVEL 2	12.4 m / 40.8 ft per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SPEED LEVEL 3	20.0 m / 65.6 ft per hour	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPEED LEVEL 4	25.8 m / 84.4 ft per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED LEVEL 5	32.8 m / 107.4 ft per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED LEVEL 6	40.0 m / 131.2 ft per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Wiral LITE App



Download

Download the app to control **Wiral**® LITE with your phone, it is available both for IOS and android phones.

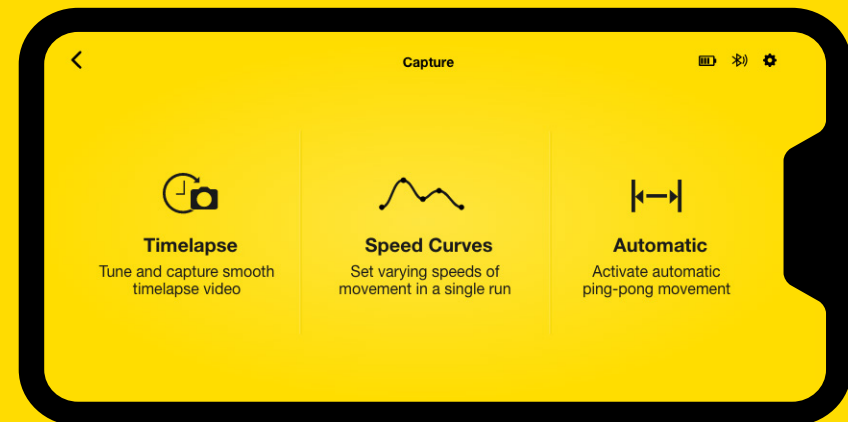


Explore and Learn

Watch tutorials and tips on how to create amazing videos with your new **Wiral**® LITE.

Capture Modes

Control **Wiral**® LITE with precision in the **Wiral**® LITE App. Repeat runs, set the unit to loop between the end stops and shoot timelapses with full control of every detail. With features like delayed start it easier than ever to film yourself with **Wiral**® LITE.



Troubleshooting

Wiral® LITE is blinking orange

The remote and the main unit are not connected. Please check the battery level of the unit [see page 15]. If the battery level is sufficient, try pairing the unit and the remote [see next page].

Wiral® LITE is continuous orange

The unit is in update/unpairing mode. Remove the battery of the main unit to exit the mode.

Wiral® LITE is blinking white

The unit has entered overheat mode. To avoid permanent damage on the unit it will move slowly until it cools down.

Wiral® LITE is not responding

If the unit blinked orange and turned off it is out of battery. Recharge or change the battery to get back to filming.

I can't use Timelapse or Ping-Pong Motion

This might occur when the battery of the remote is running low. Try changing the remote batteries.

The remote turns off

This might occur when the battery of the remote is running low. Try changing the batteries.

Wiral® LITE is not moving in timelapse mode

This might occur when the battery of the remote is running low. Try changing the batteries.

Wiral® LITE is moving slowly

The unit has entered overheat mode. To avoid permanent damage on the unit it will move slowly until it cools down.

I can't access Ping-Pong Motion

Make sure the end stops are set, Ping-Pong Motion will not be available if the end stops are not detected. Additionally, make sure you have updated the unit to the latest firmware.

Wiral® LITE is blinking white and yellow

When colliding into an obstacle, the collision sensor is activated to prevent any damage on the rope. The main unit will stop for 5 sec while the light is blinking with alternating colors. **NEW IN FW 1.1**

Pairing and Factory Reset

Pairing

Wiral® LITE is by default not paired to a specific remote. This means that one unit can be controlled by several remote controls at the same time. Follow the steps below to pair your Wiral® LITE to one remote only:

01 Turn on both the remote control and main unit.

02 Hold down both end stop buttons and the play/pause button at the same time, while moving the remote control within a few centimeters of the main unit.

03 When close enough, Wiral LITE will make a sound and the units are paired.

Unpairing

To unpair the remote control:

01 Hold down both end stop buttons and the play/pause button at the same time, while turning on the remote control.

To unpair the main unit:

01 Press and hold the power button for 5 seconds, until button light is continuously yellow.

02 Remove battery to confirm unpairing.

Factory Reset

If you are experiencing connection or control errors while using Wiral LITE, a solution could be to do a factory reset to recalibrate the unit. The reset is a quick and simple process:

01 Press and hold the on / off button on the main unit while connecting the battery.

02 If done correctly, the motor should start running slowly to calibrate the unit.

03 When the motor stops, the unit is ready to use.



www.wiralcam.com

This content is subject to change.

*Download the latest version at
www.wiralcam.com/support*

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