SMART WHEEL
MANUAL

IN THE BOX

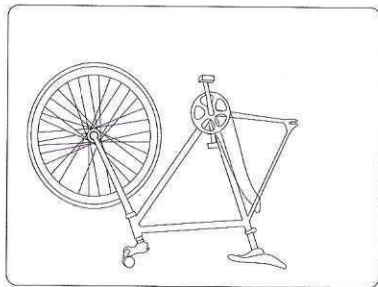| Smart Wheel	Charger	Charging Cable	Axle Cover	M12 Axle Knot
			2x	2x

TOOLS NEEDED

Wrench

NOTE: We advise you to keep the box, in case you will ever need to send your Smart Wheel back for repair or upgrade.

INSTALLING THE SMART WHEEL

Find a video: flykly.com > support > smart wheel > first installation

Step 1

The installation is the same as with any rear wheel set. Prepare your bike to remove the rear wheel. One option is to put the bike upside down.
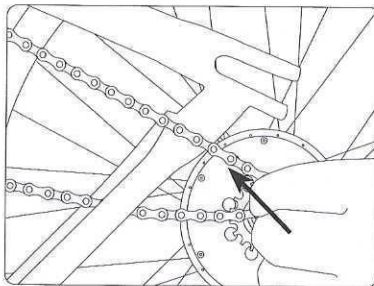

NOTE: With a multi-gear bike, the derailleur can stay attached on the bike frame after you remove the rear wheel.
NOTE: If your bike has a rear V brake, you need to disengage it before installing the Smart Wheel and engage it again, once you are finished.
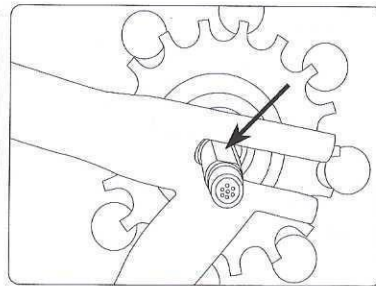**NOTE:** You need at least one brake (V (hand) brake or front disc brake) on your bike, FlyKly motor brake is not enough.

Step 2

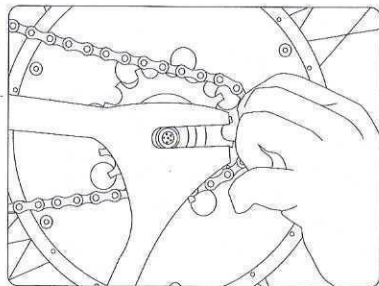Take your Smart Wheel out of the box.

Turn the Smart Wheel so that the sprocket is on the same side as the chain of your bike.
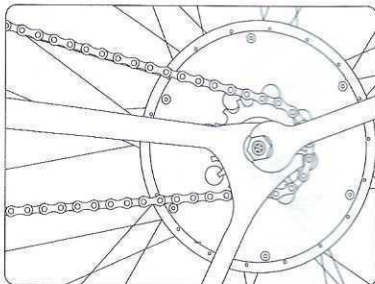
Place the Smart Wheel into the rear fork. The axle is flat on two sides in order to prevent it from rotating in place.
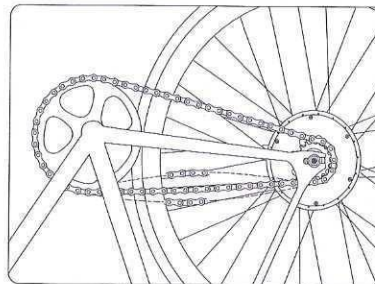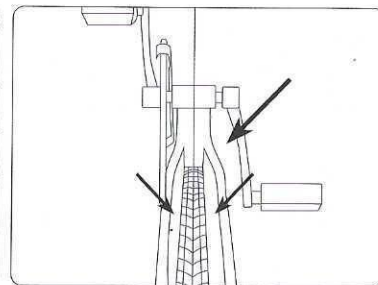
Step 3

Place the chain on the sprocket.

Loosely attach the first M12 axle knot. Loosely attach the second M12 axle knot on the other side.
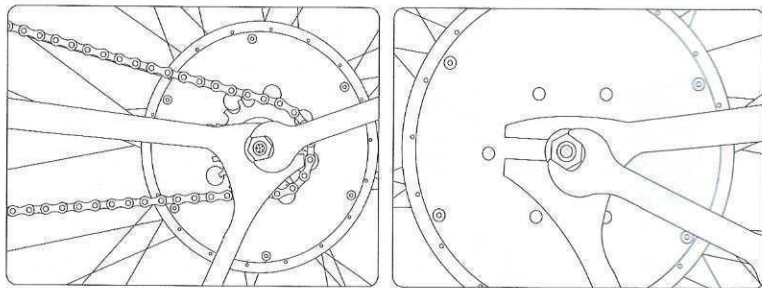
Step 4

Tension the chain.
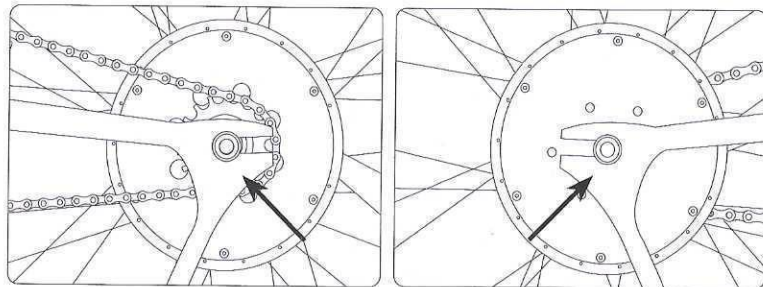

Center the wheel to the middle of the bike.

NOTE: If you have a bike with a derailleur, it will tension your chain.
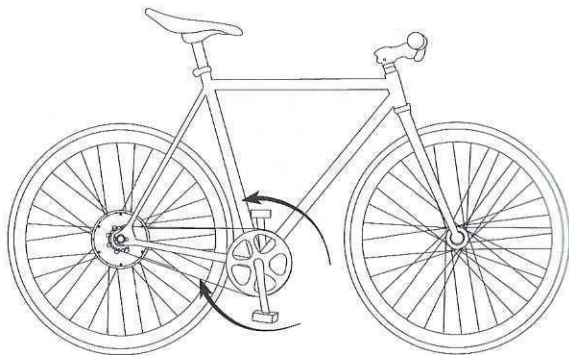
Step 5

Tighten both M12 axle knots strongly.

Step 6

Screw on the axle covers onto the axle on both sides.

NOTE: Keep both axle covers on all the time to protect the charging pin. Do not ride without the axle covers.

Step 7

Turn the Smart Wheel on. Move the pedales back and forward, until a blue light turns on in the Smart Wheel.

Step 8

Download the Smart Wheel App. You can find the Smart Wheel App for iOS on iTunes App Store and for Android on Google Play Store.
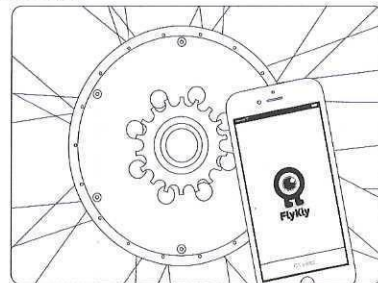
Connect the Smart Wheel to the Smart Wheel App.

For iOS users:
Go to bluetooth settings.
Connect to the Smart Wheel.
Pair the Smart Wheel.
Open the Smart Wheel App.
Click Connect.
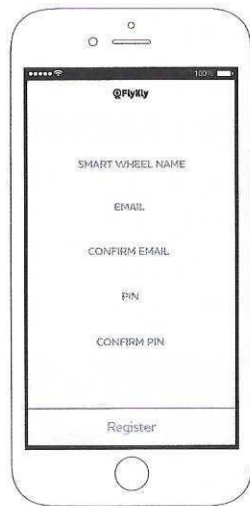
For Android users:
Turn on Bluetooth.
Open the Smart Wheel App.
Click Connect.
Start the Scan.
Select the Smart Wheel that was scanned.

NOTE: When you try to connect with the phone, come close to the blue light in the Smart Wheel.
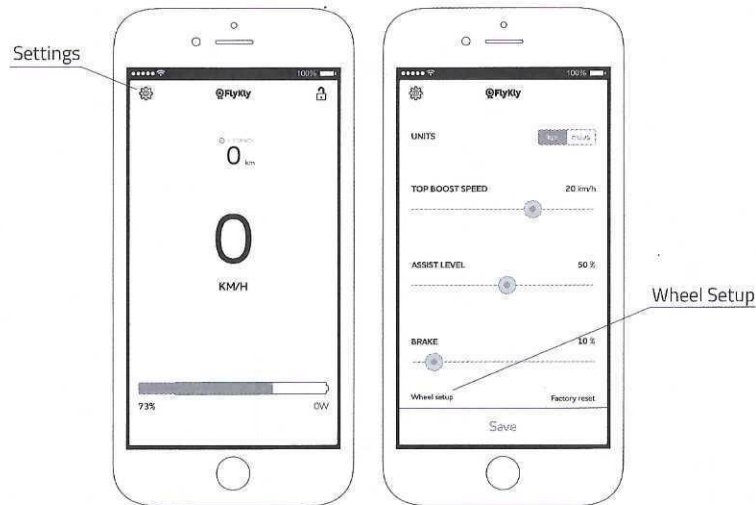
Step 9

1. Register

SMART WHEEL NAME

EMAIL

CONFIRM EMAIL

PIN

CONFIRM PIN

Register

2. Go to Settings and Wheel Setup

Settings

0 km

0

KM/H

73%   0W

UNITS

TOP BOOST SPEED   20 km/h

ASSIST LEVEL   50 %

BRAKE   10 %

Wheel setup   Factory reset
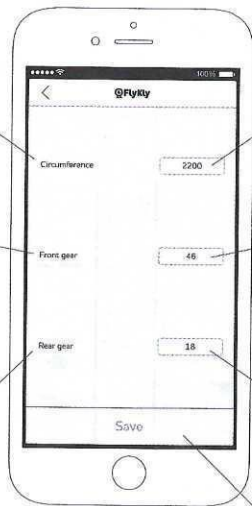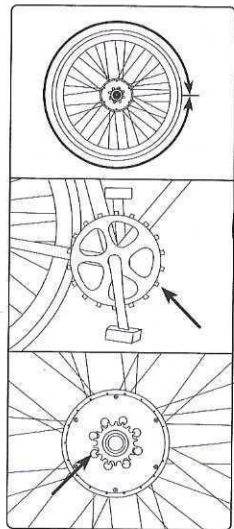
Save

Wheel Setup

NOTE: This is a very important step in order to use Smart Wheel properly.

(3) Wheel Setup

Circumference:
FlyKly 28" = 2200 mm
26" = 2050 mm
20" = 1580 mm
If you change the tire of the Smart Wheel measure the circumference in milimetres of your Smart Wheel with the tire.

Front Gear Teeth:
Count the teeth on your front sprocket (use the average if there are several sprockets).

Rear Gear Teeth:
FlyKly Smart Wheel comes with a standard 18 teeth sprocket.
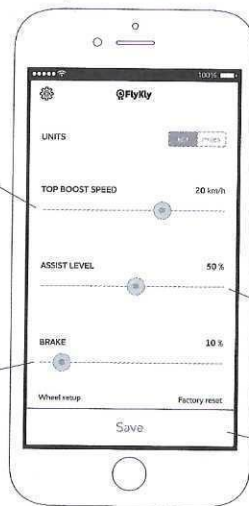
Click Save.

Step 10

Customize Smart Wheel settings.

Top Boost Speed:
The Smart Wheel will only assist you to the desired speed you set yourself.

Brake:
Intensity of the motor brake.

Assist Level:
The percentage of assistance you wish to receive from the motor.
100 % assist = 250 W
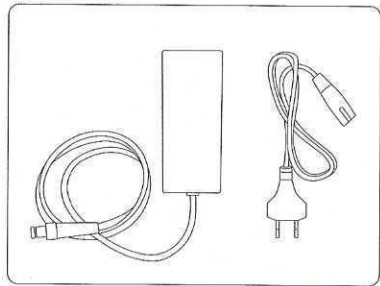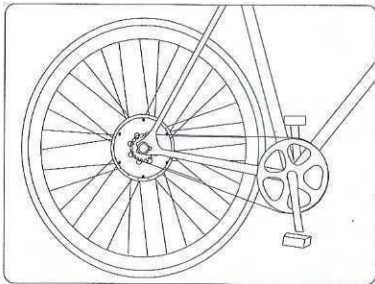0 % assist = 0 W

Click Save.

INSTRUCTIONS FOR USE

Charging

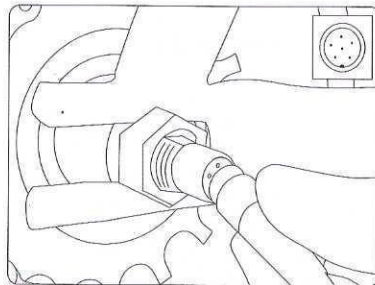**Find a video: flykly.com > support > smart wheel > charging**

Step 1
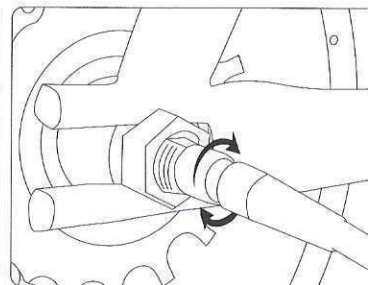

Get the charger and the cable.

Unscrew the Axle Cover.

Step 2

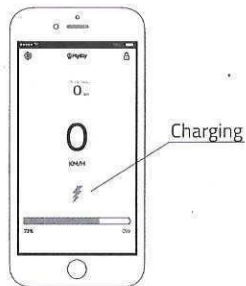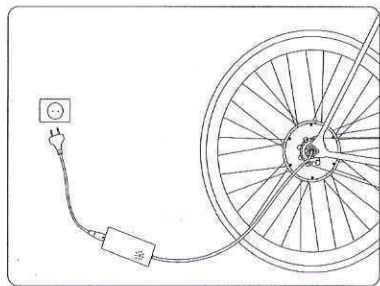Connect the charger with the Smart Wheel.

Carefully spin the charger in the socket and find the correct position in which the charger should gently fall into its place.

Gently turn the silver ring and screw the charger into the socket on the Smart Wheel.
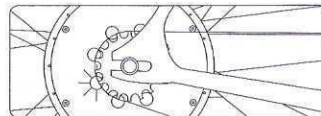
Step 3

Charging

NOTE: The red light represents it is charging and the green light represents it is fully charged.

NOTE: The charger is international (100 – 240W). The cable can be replaced to work with any electrical wall socket.

Riding

Find a video: flykly.com > support > smart wheel > riding

ON / OFF

The Smart Wheel turns on automatically when you start pedaling. After 2 min of no activity, Smart Wheel automatically turns off.

ASSIST

The Smart Wheel is pedal assist. It assists you when you are pedaling forward.

NEUTRAL

When you are not pedaling, the Smart Wheel is in neutral.

BRAKE

When you pedal backwards, the motor brake engages and the Smart Wheel begins to slow you down and recharge the battery.

App

Ride

Settings

Lock

Distance

Current Speed

Battery Level

Warning

Battery %

Motor Watt

Lock

Find a video: flykly.com > support > smart wheel > locking
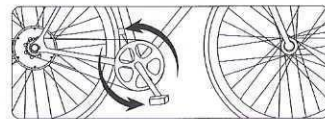

To lock the Smart Wheel press and hold the lock icon in the top right corner, until the ring around the lock is completed.

While the Smart Wheel is locked, a large lock appears on the screen with the estimated time the Smart Wheel can stay locked.

To unlock the Smart Wheel, hold the lock icon until the ring around the lock is completed.

NOTE: You will know that the wheel is locked by trying to turn the wheel and feeling resistance, when turning the wheel.

Settings

Units:
You can set the desired units (km, miles)

Customize
Top boost speed – the Smart Wheel will only assist you to the desired speed you set yourself.
Level of assistence – the percentage of assist you wish to receive from the motor.
Brake – the intensity of the motor brake

Wheel Setup:
Set the specs of your wheel.

Turn off assist:
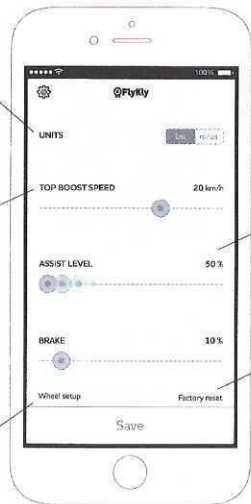To turn the assist off, you simply set the top assisted speed and level of assistance to 0.

Factory Reset:
The factory reset will completely reset all the information you have set up on the Smart Wheel and return the Smart Wheel into its initial state.

Troubleshooting

In case your Smart Wheel does not work the way you think it should, please go through this Q&A. If this did not help, please contact us at info@flykly.com.

A **You can not connect to the Smart Wheel app:**
1. Make sure you downloaded the correct app. Smart Wheel app (and not FlyKly app).
2. Make sure that your Smart Wheel is turned on (you can see the blue light).
3. Make sure that Bluetooth on your phone is on.
4. When you try to connect with the phone, come close to the blue light in the Smart Wheel.
5. Connect to the device (name starts with FlyKly _ xxxx).
6. Be persistent.
7. If it still does not connect, visit our FAQ page – section on Smart App.

B   Your wheel does not give you any assist:
1. When you were installing the Smart Wheel did you completed all the steps in this manual?
2. Did you set up the wheel? (inserted circumference, front and rear teeth information?) and saved settings?
3. Is your % of assist level in the settings above 0%? (check in the app settings)
4. Is your battery full?
5. Does the wheel turn on when you charge it? (you see the blue light burning)
6. Does the wheel charge, when you plug the charger in? (red light on charger)
7. Is everything ok with your charger - are pins and cable ok?

If you answered all this questions with YES and your Smart Wheel still does not give you any assist, please contact us at **info@flykly.com**.

C   Your phone says that your pin code is wrong:
1. Try with pin code 0000 or 1234 and log in the app.
2. In case it worked, go to settings, factory reset and then register it again.
3. In case this did not help, contact us.

D   Your sprocket does not fit the chain:
4. Your chain could be worned out, you might need a new one.
5. Your chain is not standard and that is why it does not fit to our standard sprocket.
6. Email us with the picture of your sprocket and chain, so we can tell, what is the issue and advise you about the sprocket or chain you need.

Warning signs description

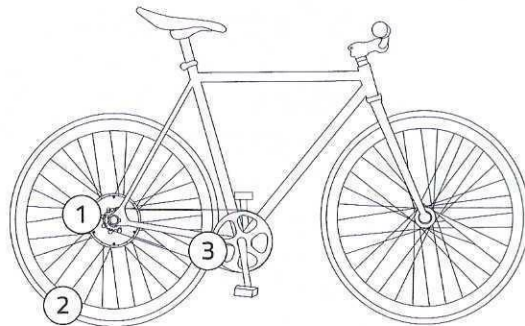| Icon	Description	Reason	Solution
⚡	Electronics Fault	BMS, Driver Power, Static or Dynamic. Current do not work properly.	Smart Wheel needs to be inspected. Please contact FlyKly.
⚠	Motor Brake Disabled	Motor brake is disabled because current regulator can't work at the speeds greater than 25 km/h (16mph).	Slow down till 25km/h (16mph).
⚙	Pedal Sensor (Hall) Fault	Pedal sensor (Hall) does not work properly.	Smart Wheel needs to be inspected. Please contact FlyKly.
🌡 C°	Overheated	Smart Wheel is overheated.	Please wait till the Smart Wheel cools down.
⋖	BMS Connectivity Fault	BMS (Battery Management System) and Driver can not connect properly.	Smart Wheel needs to be inspected. Please contact FlyKly.
🔋	Battery Cell Voltage Fault	Battery cells do not work properly.	Smart Wheel needs to be inspected. Please contact FlyKly.

MAINTENANCE

Find a video: flykly.com > support > smart wheel > maintenance

Once a month check 3 things:
1. The tension of the spokes and whether the Smart Wheel is centered correctly.
2. The air pressure in the tires.
3. The tension of the chain.

NOTE: We advise you to keep the box, in case you will ever need to send your Smart Wheel back for repair or upgrade.

WARRANTY

FlyKly Smart Wheel comes with
one year warranty including the battery,
motor, electronics and electric charger.

For additional information go to
www.flykly.com/legal

SUPPORT

For support please go to
www.flykly.com/support

Or contact us at
info@flykly.com

THANK YOU

Congratulations on purchasing your new FlyKly Smart
Wheel. We hope you enjoy it safely and in style. We
would like to welcome you to the growing FlyKly
community and wish you many years of happy riding.

Please remember, your enjoyment of your FlyKly Smart
Wheel is of the utmost importance to us. If you have
any questions, comments or concerns do not hesitate to
contact us via email info@flykly.com.

Stay Fly