



CONTROL AND OPERATING GUIDE.



HOPPER

COMPACT DESIGN & MAXIMUM UTILITY



eBike system UL 2849 certified by SGS.
eBike battery UL 2271 certified by SGS.



RIDING THE XTRACYCLE HOPPER

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STARTING OUT

The Hopper was designed for adult use only. To turn on your Hopper, press the power button before you start riding. Give the bicycle a moment to turn on before pedaling fully. When the bicycle turns on, it will be on pedal assist level 0. This allows you to ride the bicycle like a standard non-ebike.

DISPLAY

The top right number indicates the pedal assist level. This will be 0 - 5, use the “+” and “-” button to cycle through the levels. The bottom right number is your current trip distance. The middle left number is your current speed.

THROTTLE

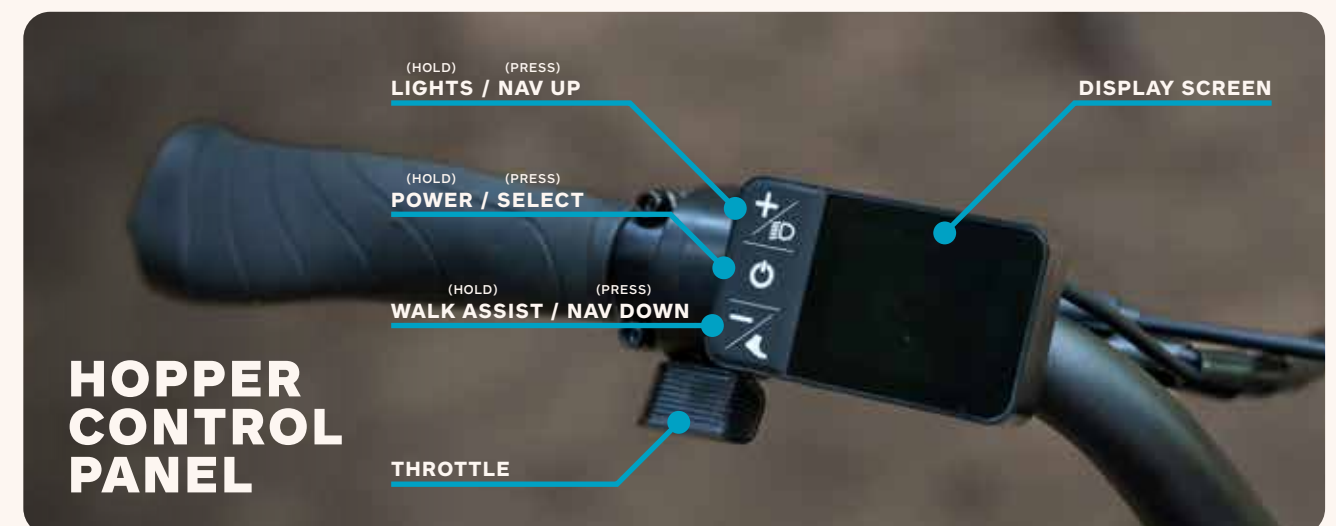
The throttle is located on the left side of your handlebar and is a sensitive component of the bike. When walking alongside your bicycle, make sure the power is off or in pedal assist level 0. This will help prevent you from accidentally engaging the throttle. As an additional safeguard, the throttle has a slight delay when pressing before the motor engages. To use your throttle, you must be in pedal assist mode 1 – 5. You do not have to pedal to use the throttle. To accelerate, push gently down on the paddle with your thumb. A smaller push provides less power, and a larger push provides more power. Hold the throttle in a fixed position partially pressed to maintain a constant speed. **Note: the throttle is set to stop providing assistance once the bike reaches 20mph.**

PEDAL ASSIST

The Hopper is a pedal-assist bike. This means the motor will only provide power if you are pedaling or using the throttle. To use the pedal assist, press the “+” button on the top left of the controller and begin pedaling. On your display, you will see five pedal assistance levels. As you go up from 1 – 5, your motor will provide more power when pedaling. Squeezing the brakes will immediately cut the power from the motor until the bike senses that you are pedaling once again.

WALK ASSIST

Walk assist mode will give you a gentle push when walking beside the bike. With the bicycle in pedal assist level 0, press and hold the “-” button. The bicycle will maintain 1.5 mph as long as the button is held. To stop the walk assist, release the “-” button.



ADJUSTING YOUR SETTINGS

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SETTINGS

A short press on the power button will cycle through the different metrics. The bicycle will record Trip Distance, Max Speed, Average Speed, and Time of Your Ride.

LIGHTS

The front and rear lights operate by holding the "+" button for 2 seconds. The rear light will also shine bright when you use either brake.

CHANGE SETTINGS

Hold the "+" and "–" together to open the settings menu. Holding the "+" and "–" buttons will exit the settings menu. Pressing "+" or "–" will cycle between the pages. A short press on the power button will enter the menu and allow you to change the setting on each page.

Use the + and – buttons to move between the options of the menu. Press the power button to select the highlighted option.

P1 sets whether the speed readout is in mph or kph.

P2 sets the maximum speed for pedal assist, from 7-28mph.

P3 sets the bike's wheel size, pre-set to 20".

P4 sets the display's brightness.

P5 sets the time until auto shutdown if the bike is not being used.

P6 resets the current trip, (you cannot reset the total mileage).

Other pages show hardware and firmware information and are not editable.

Changing the speed limit does not mean that the bike cannot go any faster than the set speed, but that the motor will not provide assistance beyond this speed. When you first assemble the bicycle, it will be set at a pedal assist speed limit of 20mph. No matter what the speed limit is, the throttle will not propel the bike faster than 20mph. Please check your local laws and spend time getting accustomed to your bicycle before raising the speed limit past 20mph. We also recommend visiting any reputable bike shop for a safety check before embarking on your first adventure!



CHARGING AND STORING



BATTERY

The Hopper battery is designed to be charged both on and off the bicycle. The charging port is located on the bottom left of the downtube and is concealed by a rubber plug. The lock is located on the top left of the downtube. To remove the battery, turn your key in the lock, then push the release button on the underside of the downtube to release the battery. To check the charge with the battery off the bike, press the power button on top of the battery for less than 3 seconds. Reinsert the battery bottom end first.

CHARGING

Plug the charger directly into a wall outlet, please do not use a power strip. It should be the only plug in the outlet, sharing power with no other devices. Charging the battery from 0% to 100% takes about 3 – 4 hours.

RANGE

Depending on pedal assist level, throttle usage, speed, outdoor temperature, total load weight, the level of hills in your ride, we see a range from 20 – 60 miles per charge.

BATTERY LIFE TIPS


It is best to limit the number of times the battery goes to 0%, and to keep it from overcharging. We recommend removing the charger once at or near 99%. The Hopper battery is equipped with deep sleep mode, which is the best way to preserve charge in the battery. To enter deep sleep, hold the power button on the top of the battery for 3 seconds. To wake the battery up, hold the button for 3 seconds.

STORAGE AND TEMPERATURE


It is best to store the battery indoors rather than a garage due to fluctuating temperatures. Room temperature is ideal for storage, between 32°F and 110°F. When the bicycle is not in use, it is best to keep the battery disconnected from the bicycle. When storing the battery, ensure the power is between 60% - 95%. Check on the battery every few months, if you see it is below 60% then give the battery a short charge.


NEED MORE INFO?

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 25 years of experience