



CITY LITE Model



Quick Start Guide

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1.

Setting Up Your CITY LITE

Your CITY LITE portable wheelchair will arrive with the following components:

Main Assembly



Battery
(will already be
installed in main
assembly;
additional battery
extra)

Controller

1. Raise the backrest until it snaps into place
2. Place one hand on the backrest and push the footrest down with your other hand to expand the chair.
3. Pull the cable located under the seat to set the locking mechanism.
4. Push the back rest away from the seat cushion, locking it in place.
5. Rotate both armrests up and over towards the front of the chair.

NOTE: Make certain that the back rest is locked in place and does not collapse forward before using.

1. Raise backrest



2. Expand chair



3. & 4. Pull cable to lock;
Push back rest away
From seat cushion



5. Raise armrests



1.

Setting Up Your CITY LITE

Slide the Controller into the open slot on the arm of the CITY LITE on the right side (unless pre-ordered for left-handed users). Tighten knob to secure controller and connect controller wire harness to controller CPU wire harness that runs from the chair itself. You will then need to install the seat cushions.

1. Slide in Controller



2. Tighten Knob



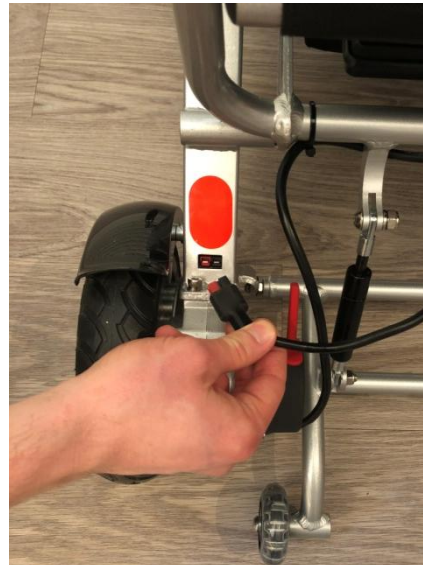
3. Connect Wire Harness*



Secure the connection by twisting the coupling ring over the connected harness.

***NOTE: Make sure connector pins in wire harness are lined up properly; do NOT force the wire harness connections together or you will bend or break the pins.**

4. Connect Battery Harness



To help maintain your CITY LITE and keep it in top operational condition, you'll find a handy toolkit included, which can be kept under the seat for convenience. Every three months, examine all of the screws and bolts that construct your CITY LITE and tighten anything that seems loose. If you have recently taken your CITY LITE on an airplane, be sure to examine the entire frame and all screws and bolts for any damage during baggage handling.

NOTE: Keep your CITY LITE clean and dry and you will ensure that you have a long life of use from your wheelchair.

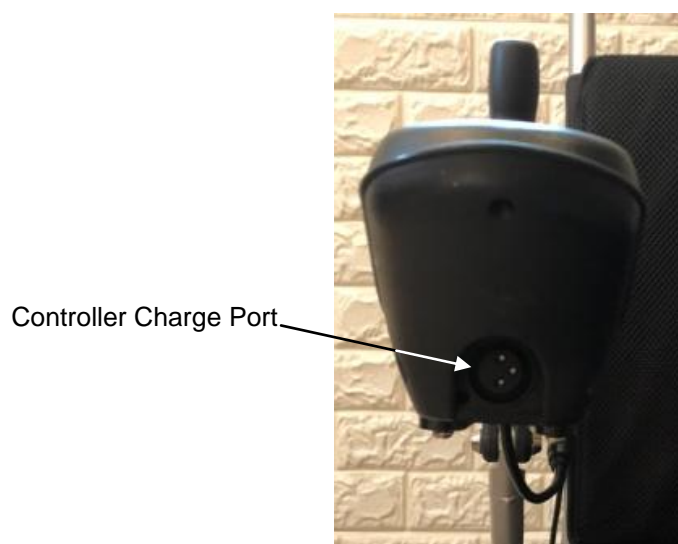
2.

Charging the Battery

Your CITY LITE will arrive with a fully charged battery, which should last a maximum of 20 km or 12 miles under normal running conditions. A second battery can be purchased by contacting The Travel Buggy, which will extend the run time. We recommend that you run the CITY LITE until the battery is completely dead in order to get the most out of the battery life.

When you need to charge the battery in your CITY LITE, use the following procedure:

1. Turn the power OFF using the button on the controller.
2. Plug in the charger to the controller port (see below) and leave to charge for 6 to 8 hours.



1. Plug the charger power harness into the charger and then into a grounded wall outlet.
2. Allow your CITY to charge for 6 to 8 hours or when the light on the charger turns green, which means your batteries are fully charged.
3. Should you require them, the lights and what they mean are located on the back of the charger.

Front of Charger

Charger Light:

Light should come on after plugging in the charger.

Light color indicates battery life:

RED – battery is fully drained

AMBER – battery is charging

GREEN – battery is fully charged;

unplug from power



Back of Charger with definitions of what the light colors mean.

3.

Controller

The Controller on your CITY LITE features a full joystick style control, horn, speed control, battery indicator and power buttons as shown:



Review all information provided in the complete Operating Manual prior to operating your CITY LITE for the first time.

4.**Basic Operation**

GET IN	Be certain that the power is OFF before sitting in the seat of your CITY LITE, with no lights on the controller.
POWER ON	Press the Power button, you will hear a beep and a light will indicate power is on.
TURNING & STEERING	Use the joystick style control to steer and turn left, right or go forward and backward.
STOPPING	Simply remove your hand from the joystick to stop.
POWER OFF	When stopping, it is advised that you power OFF the CITY LITE to prevent accidents. Press the Power button to turn off the CITY LITE.
GET OUT	Make sure there is no light on the controller before getting off the CITY LITE.

Practice safe operation as instructed in the complete Operating Manual included with your CITY LITE portable wheelchair. Make sure you understand the appropriate environment in which to operate your CITY LITE and how to use all controls safely. Practice controlling your CITY LITE and understand how fast or slow it goes by operating it in a controlled, private environment until you are aware how it operates.

To ensure complete safety, always power off your CITY LITE when you aren't moving, no matter how briefly you have stopped. This will ensure that you or someone else doesn't accidentally operate the joystick control causing unexpected movement of the wheelchair.

5.

Folding & Unfolding the CITY LITE

To transport your CITY LITE, it is advised that you fold it up following the procedures below:

1. Turn off the controller and unplug the wire harness. Remove the controller by loosening the knob and sliding it out of the chair.
2. Rotate both armrests up and toward the back of the chair.
3. Store the cushion underneath the chair.
4. Squeeze both levers to fold the back rest down.
5. Pull the cable located under the seat to release the locking mechanism.
6. Push the back rest toward the seat and fold up the foot rest.

1. Unplug and remove



2. Rotate arm rests



3. Store cushion



4. Squeeze levers and fold back rest down



5. Pull cable



6. Fold up



For instructions how to unfold the CITY LITE, follow the steps above in reverse order or see Page 2 of this Quick Start Guide.

6. Freewheel Operation

In Freewheel mode, your caregiver or family member can manually move the CITY LITE, pushing you without aid of the battery power. Placing your CITY LITE in Freewheel mode disengages the wheel from the motor assembly so that the chair can easily be pushed.

To change to Freewheel mode, first turn off the controller power using the button, then push up on the two red levers next to each wheel as shown below:



Push UP red
levers on each
wheel

7.

Troubleshooting & Diagnostics

The following represents the most common questions asked about the CITY LITE with regard to everyday use; check this helpful guide or the operator's manual for more information if you have a question about using your CITY LITE:

Question	Possible Causes	Answer
Why is there NO POWER to the CITY LITE?	<ol style="list-style-type: none"> 1. Controller system power is not connected. 2. Controller system CPU and joystick are not connected. 3. Battery power is too low. 	<ol style="list-style-type: none"> 1. Connect the Battery. 2. Ensure all connections between Joystick, CPU and Battery are securely tightened. 3. Charge the Battery.
Why is the CITY LITE noisy or vibrating when turning?	<ol style="list-style-type: none"> 1. Speed is set too low. 2. Motor is damaged. 	<ol style="list-style-type: none"> 1. Raise the speed. At low speeds, the motor may sound or feel strained. 2. Replace the motor.
Why can't I remove the battery?	<ol style="list-style-type: none"> 1. The battery must be unplugged before removing. 	<ol style="list-style-type: none"> 1. Unplug the battery wire harness located on the back of the wheelchair.
Why is the driving distance shorter than normal?	<ol style="list-style-type: none"> 1. Chair is being operated at below 0 degrees Celsius. 2. Chair is being driven on uneven surfaces, rough terrain or slopes often. 	<ol style="list-style-type: none"> 1. This is a normal characteristic of Lithium material in a battery when operating at a cold temperature. 2. Energy consumption increases on uneven surfaces, rough terrain or slopes. This is normal.
Why can't I charge the battery?	<ol style="list-style-type: none"> 1. Charger light does not turn on. 2. Charger light is always green. 3. Charging time is stopped before full charge is complete. 	<ol style="list-style-type: none"> 1. Replace the charger. 2. Battery is not connected, or may need to be replaced. 3. Capacity of the battery has decreased over time. Replace the battery.
Why can't I connect the Controller?	<ol style="list-style-type: none"> 1. Connector pins (male) on the controller have become bent and misaligned with connector holes (female) on CPU connector. 	<ol style="list-style-type: none"> 1. Using a small tool, carefully straighten the connector pins (male) on the Controller to align with holes (female) on the CPU connector.

7.

Troubleshooting & Diagnostics

Your controller has an indicator light that, during normal operation, is a steady GREEN. This light also functions as a diagnostic tool by flashing in patterns that indicate a diagnostic code. The following is a chart of the diagnostic light codes that your CITY LITE may use to indicate problems. It is important to pay attention to these diagnostics in case the CITY LITE must be put out of use for safety reasons until maintenance can be performed.

Diagnostic Code	Diagnosis Description	Trouble Shooting
Flicker one time slowly	Hall malfunction of left motor	Check the welding situation of connection device of the left motor or check the internal hall component
Flicker two times slowly	Hall malfunction of right motor	Check the welding situation of connection device of the right motor or check the internal hall component
Flicker three times slowly	Malfunction of battery or charger	May need to replace the battery or the charger. Check if the battery or power wire is loose.
Flicker four times slowly	Malfunction of left motor	Check the left motor, connection device and power wire is loose or not.
Flicker five times slowly	Malfunction of right motor	Check the right motor, connection device and power wire is loose or not.
Flicker six times slowly	Malfunction of left brake	Check the left brake, connection device and power wire is loose or not.
Flicker seven times slowly	Malfunction of right brake	Check the right brake, connection device and power wire is loose or not.
Flicker eight times slowly	Malfunction of controller	This will likely require a replacement, please contact us.
Flicker nine times slowly	Communication error	Check the electrical coupler, connection and circuit is loose or not.
Flicker four times quickly	Overcurrent of left motor	Releasing the electrical switch (rocker) can eliminate the malfunction.
Flicker five times quickly	Overcurrent of right motor	Releasing the electrical switch (rocker) can eliminate the malfunction.

8.**Specifications & Precautions**

Dimensions Unfolded (L x W x H):	35" x 24" x 37"
Dimensions Folded (L x W x H):	23" x 13" x 31"
Net weight (including battery):	21 kg (46 lbs.)
Net weight (without battery):	19 kg (42 lbs.)
Max passenger load:	120 kg (265 lbs.)
Max slope capacity:	12°
Max speed:	6 km (3.7 miles) per hour
Max distance (full charge):	20 km (12 miles)
Battery:	1 x Lithium 24V/10AH
Charger:	24V/2A
Time required to fully charge battery:	6-8 hours

CAUTION: OPERATE SAFELY

Read the full operator's manual for complete safety instructions, which include:

Do not operate the CITY LITE in water of any kind.
Do not operate the CITY LITE up or down staircases or escalators.

Do not operate the CITY LITE while on a moving vehicle such as a bus.
Do not lean your body to reach out of the CITY LITE, causing a balance issue.
Do not exceed the weight limit total of 120 kg (265 lbs.) for rider plus any items.

DO turn off the CITY LITE when exiting the chair for safety.
DO practice driving the CITY LITE in a private, enclosed area.

Be aware of local regulations regarding operating the CITY LITE on a public road.
Modifying your CITY LITE in any way may void all warranties.
Do not expose the CITY LITE or batteries to extreme temperatures.



1-888-56-BUGGY

contact@thetravelbuggy.com