



BOOMERBUGGY X PRO

MANUAL

SAFETY

For your safety, please ensure the following:

- Check brakes, and that the brake sensors shut off power to the motor
- Check the air pressure of both front and rear tires. The correct P.S.I. is listed on each tire
- Check both left and right turn signals and taillights work properly before riding
- Check and make sure that your mirrors are tightened and allow for maximum visibility
- Observe all traffic rules, and do not operate in areas where motorized vehicles are not allowed.
- Make sure that your battery power is sufficient before you go out to ride
- If you bring your charger avoid shaking / rattling charger while riding.
- **Once the battery is fully charged remove the charger.**
- **Do not try to operate the unit while charging.**
- **Do not let anyone under the age of 16 years old operate this vehicle.**
- **Do not make sharp / abrupt turns at high speeds to avoid tipping.**
- **Do not operate under the influence of drugs or alcohol**
- **Do not completely submerge the unit in water**
- **Do not operate in harsh weather conditions.**

**For any questions or concerns please call
1-800-649-9320 or visit www.daymak.com**



ABOUT DAYMAK

Daymak is one of Canada's largest Alternative Vehicle providers. We design, engineer, manufacture, import and repair everything from recreational dirt Mobility Scooters, go-karts and electric golf cars to alternative transportation solutions such as Mobility Scooters electric scooters.

Our electric bicycles represent an energy-efficient and eco-friendly alternative for people who need to get around the city. They greatly increase the practicality of bicycle transportation in urban centres. Costing only a few cents to charge, an Mobility Scooter can make city life more convenient and much less expensive.

While there are many new Green technologies that are still in their infancy, electric bicycles have been developing over the last 40 years or more. Mobility Scooter technology has been dramatically refined since the introduction of the first custom-conversion bicycles. Today, electric bicycles are a supremely reliable and affordable means of transportation.

Daymak is constantly developing new eco-friendly alternative transportation strategies, led by its own Research and Development department in Toronto, Canada. We are always improving our products. Our innovative in-house engineering and quality testing provide customers with many new kinds of reliable, eco-friendly vehicles, designed to help change the lives of our customers and the world.

Daymak warranties, services, and stocks parts for everything it sells. We support our products. Please feel free to visit our website. You'll find the latest in cool transportation solutions, support for the products you've purchased and contact information.



INTRODUCTION

MOBILITY SCOOTERS

Mobility Scooters represent a natural progression in the development of urban transportation. Using only small amounts of electricity, Mobility Scooters have the potential to radically reduce the amount of pollution in our cities. They are also very quiet, so they do not add to the high levels of noise pollution which we often take for granted. They are easy, and usually free to park. They are unobtrusive and highly practical additions to the urban landscape.

Mobility Scooters are also inexpensive. They (currently) require no registration, no insurance, no licence and do not incur parking charges. Compared to internal combustion engines, the engines in electric vehicles have fewer moving parts and require far less maintenance. Your Daymak Mobility Scooter is the result of Daymak's years of experience, the highly trained technical skills of our staff, and careful ongoing design work by our engineers. We hope you enjoy using this product and welcome any feedback that you may have.

LIABILITY

Daymak does not assume any liability for damages, loss of profits, or claims from third parties due to improper use of this product. Daymak does not assume any liability for damages due to problems with the product resulting from service by a third party that is not certified by Daymak.

The information in this guide may be subject to change without notice. For the latest information available, please contact your local Daymak dealer or visit our website. We have taken all possible measures to ensure the accuracy and completeness of the information in this guide. However, if you do find anything missing, incomplete or wrong, do not hesitate to contact us.



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PART DIAGRAMS

DIAGRAM 1: BOOMERBUGGY X PRO

This diagram illustrates the various parts of your mobility scooter. Please note that many of these parts are not user-serviceable and should be repaired only by trained professionals. This is especially true of the electrical systems and the mechanical components.



- | | |
|----------------|---------------------|
| 1. Door Handle | 5. Mirror |
| 2. Brake Light | 6. Turn Signal |
| 3. Tire | 7. Headlight |
| 4. Motor | 8. Windshield Wiper |

RIDING INSTRUCTIONS

This guide assumes that you already know how to operate a mobility scooter. If you have never used a mobility scooter before, we strongly recommend that you read through this guide entirely before beginning to operate.

Caution

Always make sure to be properly situated on the unit before turning it on and engaging the throttle. Failing to do so can potentially lead to injuries or damage of the vehicle.

IMPORTANT NOTES

- **Obey the Law.** Be sure to follow all provincial and city traffic laws. This includes obeying stop signs, checking carefully when turning, and riding defensively. A mobility scooter is a motorized vehicle, and thus you must follow the law.
- **Stay sober.** Never ride your mobility scooter while intoxicated. Mobility scooters can cause harm to the rider and others if not operated properly and require full attention during operation.
- **Mobility scooters are to be rode on the sidewalk unless there is no sidewalk present.** Please be mindful of all pedestrians on the sidewalk and give ample notice when passing by.



ITEMS TO CARRY WITH THE ELECTRIC MOBILITY SCOOTER

It is a good idea to carry the following items with you at all times when you ride your Mobility Scooter.

- The charger, to charge the mobility scooter in case the battery power runs out.
- 30 Amp Fuse, spares for the batteries, in case the fuses blow (if applicable).
- A lock, to secure your Mobility Scooter when you park it.

INSPECTING YOUR MOBILITY SCOOTER

Always inspect your mobility scooter before you ride it, to make sure its safety features are operating properly. Many accidents can be avoided with routine inspections. Once you are comfortable with your mobility scooter, you will be able to detect small changes in the way it feels. If anything changes between uses, make sure to have it properly examined. Also, be sure to listen for changes in the sounds your mobility scooter makes over time. Any mechanical or power issues may have effects on the sounds the mobility scooter makes.

HOLDING THE HANDLEBARS

As you with a bicycle place both your hands around the handle bars and make sure you have a good grip on both. Using your fingers put your hands on the throttle part of the machine (for more detailed information please see the section of the manual)

TURNING YOUR MOBILITY SCOOTER ON AND OFF

To turn on your mobility scooter, put the key into the ignition and turn it clockwise, you can find more detailed information in the **Operation** section of this manual.

Warning

When you activate the Mobility Scooter, the electrical system becomes live. Do not try to affect changes to the Mobility Scooter (such as removing the battery or repairing electrical components) while the Mobility Scooter is activated. Turn the Mobility Scooter off and remove the key before you attempt to access any of the electrical components. Also, the battery carries a significant electric charge and can injure people if not treated properly and with respect.



ACCELERATING AND DECELERATING

The throttle is on the handlebars (see **Operation** for more information). Use this carefully when situated on the mobility scooter to go forward and release to decelerate.

Warning

Do not activate the accelerator until you are seated on the mobility scooter and are ready to accelerate. The mobility scooter can easily escape from your control, possibly injuring you or others, and the mobility may be damaged.

STOPPING

Your Mobility Scooter has front and rear hydraulic disc brakes. These are activated by pressing the foot pedal (see the braking section). When the brakes are activated, the power to the engine is automatically turned off, until you release the brakes. This allows you to stop safely.

SAFETY TIPS

- When you are traveling in wet weather, water may cause your brakes to function less efficiently because it reduces friction between the brake pads and the wheels.
- Take care to slow down and give yourself more room to stop or slow if necessary.
- It is a good idea to have your brakes and brake pads checked regularly. The brake pads will eventually wear down through friction, and after significant use will have to be replaced.



SIGNALLING

THE HORN

The mobility scooter has a horn. Use this when coming close to pedestrians to warn of your passing. See the operation section for where to find your horn and how to use it.

TURNING SIGNAL LIGHTS

Your mobility scooter has turn signal lights. Push it left or right to activate it to indicate that you are turning in the appropriate direction. See the operation section for more info.

LIGHTS

The headlight and tail light are useful features when you are riding at night or in dark areas. They radically improve your safety on the sidewalk or road. The lights on your mobility scooter consume some electricity. Keeping them on may reduce the maximum distance you can travel on one charge by about 5 %.

RIDING IN WET WEATHER

Your mobility scooter is designed to function in wet conditions, such as when it is raining. However, it is easy to slip when moving at high speeds. If it is very wet, be sure to avoid high speeds. When you are traveling in wet weather, water may cause your brakes to function less effectively because it reduces friction between the brake pads and the wheels. Take care to slow down and give yourself more room to stop or slow if necessary.

THE MOTOR AND WATER

Your mobility scooter is not designed to be immersed in water. Always ensure that the water level does not go above the motor, to prevent water from getting inside of it. Water in the motor can cause short-circuits and may damage the electrical systems in your Mobility Scooter.



RIDING IN COLD WEATHER

Your mobility scooter is designed to operate year-round. However, in very cold conditions or when there is a lot of snow or slush on the ground, it is possible for the motor in the mobility scooter to get wet or for the brakes to function less effectively, just as it can happen in wet weather. Below 10 degrees Celsius, the battery will not work as well as it would in warmer temperatures. While Lithium-Ion batteries perform better than Lead-Acid batteries in temperature extremes, both will experience reduced performance in cold temperatures.

Also, riding the mobility scooter in cold temperatures may require you to replace the battery sooner rather than later.

MAXIMUM LOAD

Do not exceed the maximum load capabilities of your mobility scooter. You can find the exact loading capacity listed in the technical specifications in this guide.

If you exceed the maximum load, the performance of the scooter will suffer.

Exceeding the maximum load of your Mobility Scooter could cause damage to the shocks, to the mechanism and, ultimately, even to the frame. It could also cause your motor to work too aggressively, and may cause it to burn out.

LONG-TERM STORAGE OF YOUR MOBILITY SCOOTER

If you are storing your Mobility Scooter for a long period, disconnect the circuit breaker (if applicable). This is a safer way to store the electric bicycle, as it prevents accidental activation of the mobility scooter and makes it impossible to activate it even with the key.

Please see the section titled “The Battery” for instructions on battery maintenance while your mobility scooter is being stored.



THE BATTERY

This section details what you need to know about the battery that powers your mobility scooter. Always remember to treat your mobility scooters electrical systems with respect.

BATTERY POWER

The dashboard has a battery charge indicator. When the mobility scooter is activated, the gauge will jump and indicate the currently available battery power. If the power has dropped significantly, you should charge your scooter.

DISTANCE AND POWER

Your battery has the capacity to carry you anywhere from 20+ km before it must be recharged. The ability of your battery to power your scooter depends on many variables. These variables include the weight of the rider, the prevailing wind resistance, the rider's driving habits, the presence of steep hills and inclines, and other issues such as proper air pressure in the tires.

SAVING POWER

If you are traveling long distances, you can save a lot of electricity by using better driving habits:

- **Coasting:** When going downhill or over long, flat road surfaces, try using your Mobility Scooter's momentum and allow it to coast, without drawing power from the motor.
- **Stopping and Starting:** Try to avoid stop and go movements. The motor draws more power when starting from a full stop.
- **Weight:** Remove unnecessary weight from the scooter. This reduces the amount of power the motor must draw.
- **Air Pressure:** Make sure your tires have the proper air pressure. Proper pressure reduces drag on the tires and radically increases the efficiency of any vehicle.
- **Head and Tail Lights:** Turn off the lights to conserve power, if it is safe to do so. The lights will reduce the distance you can travel by about 5%.



CHARGING YOUR MOBILITY SCOOTER

Charging your scooter is a simple process. You require the following:

- The charger that came with your Mobility Scooter.
- A household electrical outlet.

Charger Warning

Only use the chargers that were supplied with your mobility scooter. Using chargers that do not have specifications identical to those which came with the mobility scooter could irreparably damage your scooter's battery and electrical systems, and may cause injury.

To charge your scooter, follow these steps:

1. Turn off the mobility and remove the key from the ignition (if applicable).
2. Plug the female end of the charger cable into the charging slot on the mobility scooter.
3. Plug the male end of the charger power cable into your wall socket. This should be a household electricity supply. You can also use a portable generator, if necessary..
4. Allow the mobility scooter battery to charge for the appropriate amount of time (6-12 hours).
5. Disconnect the charger when the LED light on the charger is green. The batteries have been fully charged.

If your charger's LED status light does not change from red to green over an extended period of time, for perhaps more than 14 hours, and the battery is very hot, the battery or charger may need replacing. Stop charging and bring both to your Daymak dealer immediately. Do not overcharge the battery.



UNDERSTANDING YOUR VOLTAGE

Electric scooters primary power is understood as voltage. This number in short is how powerful your unit is, and as it dips down when the unit will no longer be able to perform. Depending on your unit's voltage and battery type (Lithium vs Lead Acid) will effect the range of voltage between what is fully charged and when it exceeds the low voltage threshold.

LOW VOLTAGE THRESHOLD

Your unit will try to protect the battery by preventing the motor from drawing power below the Low Voltage Threshold. By doing this it will significantly increase the life expectancy of your unit. If you find that your motor starts cutting off at a certain speed or not engaging at all it may be because your voltage is dropping past the threshold point and needs to be charged. To see what your voltage threshold you can check on it via the bluetooth APP (if applicable) and you can check it out using this chart.

VOLTAGE CHART

VOLTAGE	LEAD ACID		LITHIUM ION	
	FULL CHARGE	LOW VOLTAGE	FULL CHARGE	LOW VOLTAGE
24V	27V	21V	29.4V 7S	20V 7S
36V	40V	32V	42V 10S	28V 10S
48V	53V	42V	54.6V / 58.8V 20S 21S	37V / 40V 20S 21S
60V	67V	53V	67.2 / 71.4V 16S 17S	45V / 48V 16S 21S

LITHIUM FULL/LOW VOLTAGE READING

Depending on the way your lithium battery's composition will impact what the low voltage and full charge reading should be. Underneath each reading on the above chart shows a number and a "S" this represents how many series are in your battery pack. To know the exact series of your battery contact your local Daymak dealer.



CHARGING THE BOOMERBUGGY X PRO

PRO

The Boomerbuggy X Pro comes with a lead acid battery pack that needs to be charged prior to use



To access the charge port, take the keys and at the back of the unit unlock the charge port door. Inside you will find a plug. Lift up the cover and plug the charger into the socket.

Once the Mobility Scooter is charging the charger will glow red. When the unit is fully charged the charger will glow green and then your Mobility Scooter is ready to go.

Warning

Do not leave the Boomerbuggy X Pro charging for long periods of time after it is fully charged. Once the Mobility Scooter is charged unplug it ASAP to avoid doing damage to the battery.



BATTERY CARE

Follow these suggestions to maintain your battery's optimal performance. If you do not follow these suggestions, your battery may lose its ability to maintain a charge and might have to be replaced sooner than would otherwise be necessary.

- **Charge it:** Charge your battery immediately after riding it.
- **Full Charge:** Do not allow the battery to run down completely and lie in storage without a charge. This significantly reduces the battery's lifespan and may cause damage.
- **Keep it Charged:** When being stored, charge the battery occasionally to make sure its power supply does not run down. Charging it once every 21 days should be sufficient.
- **Storage Conditions:** Store the battery on a flat, cool, dry surface. Do not allow the battery temperature to drop below 10 degrees Celsius for extended periods of time.

COLD WEATHER AND YOUR BATTERY

Below 10 degrees Celsius, the battery will not work as well as it would in warmer temperatures. While Lithium-Ion batteries perform better than Lead-Acid batteries in temperature extremes, both will experience reduced performance in cold temperatures.

Also, repeatedly riding the Mobility Scooter in cold temperatures may cause your battery to have to be replaced sooner.

REPLACEMENT AND DISPOSAL

After approximately 300 charges, a lead-acid battery will need to be replaced. A lithium-ion battery will last approximately 1000 charges. When the battery has to be replaced, you will notice that your battery cannot carry as much of a charge as it could initially.

Contact your local Daymak dealer to purchase a new battery.

When replacing your battery, dispose of it at a proper municipal battery recycling facility. If none is available, please contact your local Daymak dealer.



GETTING IN TO YOUR VEHICLE

To get into your Boomerbuggy X Pro, first you will need to unlock the doors (if not unlocked already). You can do this by one of two way. Either using the key or pressing the unlock button on the remote control.

REMOTE CONTROL

The remote control seen below has a few buttons that can lock and unlock the BBX Pro.

1) **Eject Key** - Press this button so that the key portion of the remote flips out (see (5)). Press and hold this while pushing the key back down to put it back in the remote.

2) **Lock** - Press this to lock the doors and engage alarm.

3) **Remote Start** - Double tap this to start the unit without the keys in the machine.

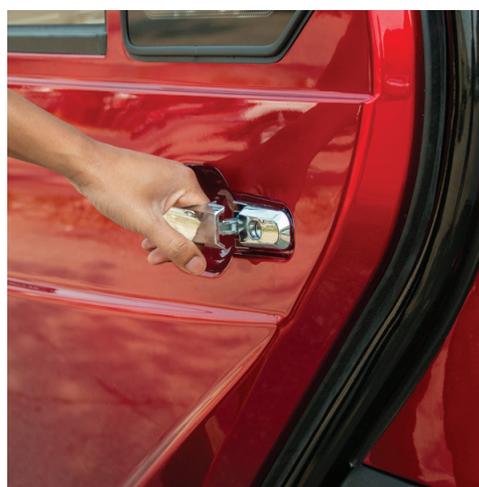
4) **Unlock** - Press this to unlock the doors and disengage alarm. Also press this to turn OFF remote start (See # 3)



OPENING THE DOOR

The other option to unlocking the door is by putting the key into the key hole seen below and turning clockwise to unlock it. Once unlocked pull the handle also seen below to open the door.

To lock the door with the key in the keyhole turn it counterclockwise.



OPERATION

Once you are in your unit and properly seated, you are now ready to begin operating.

Warning

Do not engage the machine without being seated properly on the unit as this can cause injury.

We recommend reading through the whole manual prior to use for a complete understanding of the inner workings of this machine.

TURNING ON THE MACHINE

To the right of the center console you will find a the key ignition that says "OFF / ON"

Put the key in here and turn it to the ON position to turn it on. Turn it to the off position to turn the vehicle off.

Warning

Once this machine is on, all buttons and controls are active. Make sure to check all your surroundings before engaging the throttle or other features to avoid injury of yourself, others or damage the machine.



ENGAGING / DISENGAGING THE PARKING BRAKE

To prevent the unit from rolling when on hills the BBX Pro comes with a parking brake. To release it, press the metal button and while holding it lower the handle as seen below. To engage the parking brake simply reverse this process.





HANDLE BAR CONTROLS

Above you will see the main handlebars. These are used to steer your vehicle. By pulling the left side of the handlebar towards you will turn the vehicle to the left and vice versa. On the handlebars there are some controls. Below is what each does:

- 1) **Throttle (Right Hand)** - Pull this lever towards you to engage the motor and start moving the machine forward. Push this lever away from you to move in reverse.
- 2) **Speed Setting** - Choose 1 of 3 settings low medium and High. Low will give you the most range while high will get you the top speed. (This is to be used in conjunction with the potentiometer dial. See Next Page)
- 3) **Headlight** - When it the right most position all lights will be off. In the middle position the rear and accent LED lights will be on. And when in the left-most position all lights will be on.
- 4) **Windshield Fluid** - Press this to squirt windshield fluid. See Page 24 for filling the windshield fluid resevoir.
- 5) **Horn** - Press this to honk the horn.
- 6) **Turn signal indicator** - Press this to the left to indicate turning to the left and vice versa. Once completed turning press this to the center position to turn it off.
- 7) **High Beam / Low Beam** - Press this to angle the headlights up or down.
- 8) **Throttle (Left Hand)** - Push this lever away from you to engage the motor and start moving the machine forward. Pull this lever towards you to move in reverse.

Note: The BBX Pro can be driven with either hand, so use the instructions based on whichever you find most comfortable.



POTENTIOMETER DIAL / FAN SPEED

Directly to the right of the start and stop button you will find the Potentiometer dial and the fan speed switch.

1) **Potentiometer Dial (Speed Dial)** - This dial gives more control to the minimum or maximum speed your vehicle can go. When the knob is pointing to the left it will go its slowest and the right its fastest. This combine with the speed switch on the previous page will ultimately decide the maximum speed it can go.

2) **Fan Speed** - Spin this dial clockwise to increase the speed the fans blow air with 1 being the slowest and 3 being the fastest. The number that is lit up represents the speed its on. This also turns on the A/C, as it is a button. Press this knob in to turn on the A/C in conjunction with the Air Conditioning knob on the next page. Press it again to turn it off.

The air blows from the fan vents seen on the right. These can be directed towards you or away from you by pushing the middle section left or right.



BRAKES

To engage the brakes on the Boomerbuggy X Pro you will find a pedal on the floor near the right side. This pedal must be pressed to engage the brakes.

The machine must be at a complete stop before switching from forward to reverse.

Warning

Always keep a foot close to the pedal to stop quickly in case of an immediate need to stop!

AIR CONDITIONING / LEFT BUTTON SET

On the left side of the steering column you will find the dial for Air Conditioning and more.

1) **Air Conditioning** - Turn this nob to either, Cool, Or Heat to for the machine to cold or warm air respectively. Or turn it to off to turn off the A/C **Note the AC must be turned on from the Fan Speed Section**

2) **Windshield Wiper** - Press this to turn on and off the windshield wipers.

3) **Fog Lights** - Press this to turn on and off the fog lights.

4) **Back Up Camera** - Press this to turn on and off the backup camera.



SEAT

The Boomerbuggy X Pro comes with an adjustable seat that can be moved and positioned to fit your desired comfort. The seat can tilted back and forth, as well as slide back and forth.

SLIDE SEAT

To slide the seat further or closer to the center steering column grab the lever seen on the right and while lifting it in the direction of the arrow, push the seat the direction you wish for it to slide.



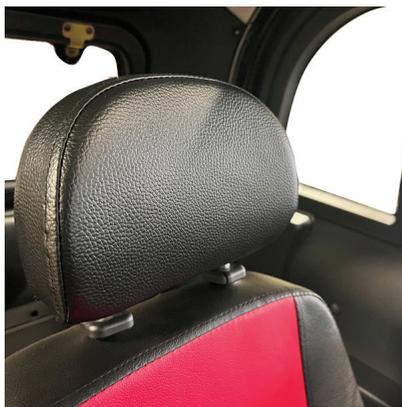
TILT SEAT

To tilt the seat so that you are more or less upright. Grab the lever seen below and while holding it push the back rest to your desired position. This can also be folded completely down to access the back storage area more easily.



ADJUST HEAD REST

You can also adjust the headrest at the top of the seat so that it provides support exactly where you need it.



Look for the button under the left mounting rod (left as if you are sitting on it) and while holding that button in with your hand, raise or lower the head rest to your desired height.



WINDOWS

The Boomerbuggy X Pro comes with Power windows as well as a sun roof and a rear window that can be opened and closed. Here is how to use them.

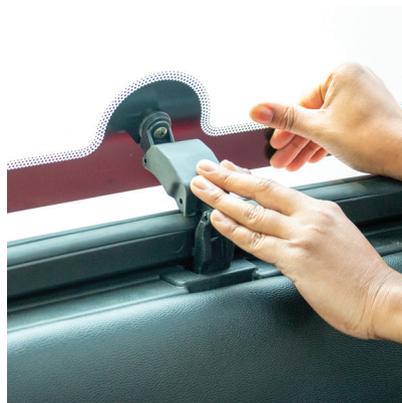
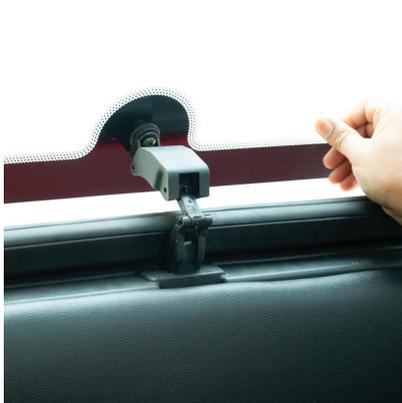
To roll down the driver side windows on each side you will find a button seen on the right. Press the top of this button to roll up the windows and press the bottom of this button to roll down the windows. The unit must be turned on to do this.



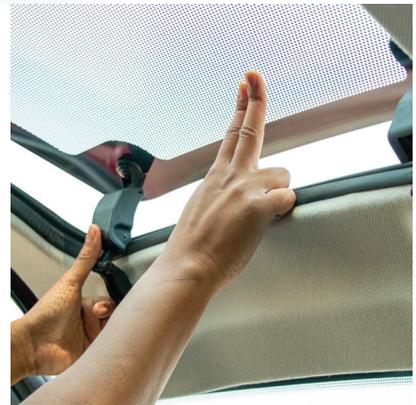
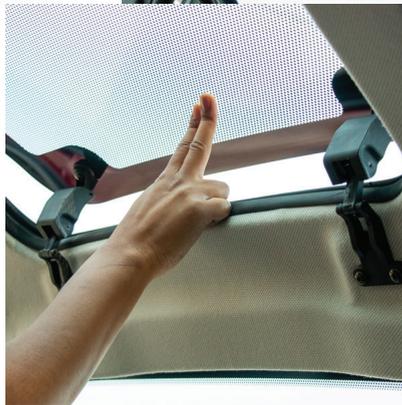
To open the back window look for the latch seen here and lift up the lever as seen below:



Then push the window open with your hand and while pushing the window open clamp the latch down to hold it in place.

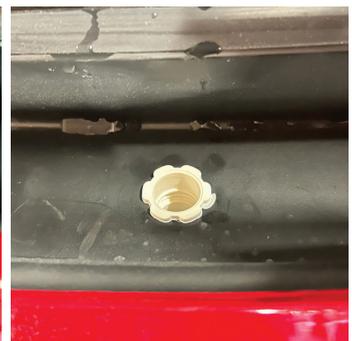


To open the sun roof look at the latches above and do the same as the rear window on each latch to hold it in place.



WINDSHIELD FLUID

To refill the Windshield fluid look just above the hood for a nozzle like this with a cap. Take off the cap and fill the windshield reservoir with fluid then put the cap back on.



DOOR HANDLE

On the inside of the doors are the door handles that can be used to get out of the vehicle when needed.

- 1) **Door Lock / Unlock** - Flip this out or in, to unlock or lock the door respectively.
- 2) **Door Handle** - Pull this while pushing the door to open it.



CIRCUIT BREAKER

Your machine comes with a circuit breaker to prevent surges. If any time you press the power button and the display does not turn on you likely need to flip the circuit breaker switch.

Flip the circuit breaker switch on the left (closest to the seat) to the ON position to give power to the machine or OFF position to cut all power.

Note: The Right Circuit breaker MUST be in the OFF position (down) so the right circuit breaker can be put in the ON position.



DISPLAY

The Boomerbuggy X Pro has two displays, one that shows your speedometer and one that controls your bluetooth MP3 playback, radio and more!

SPEEDOMETER DISPLAY

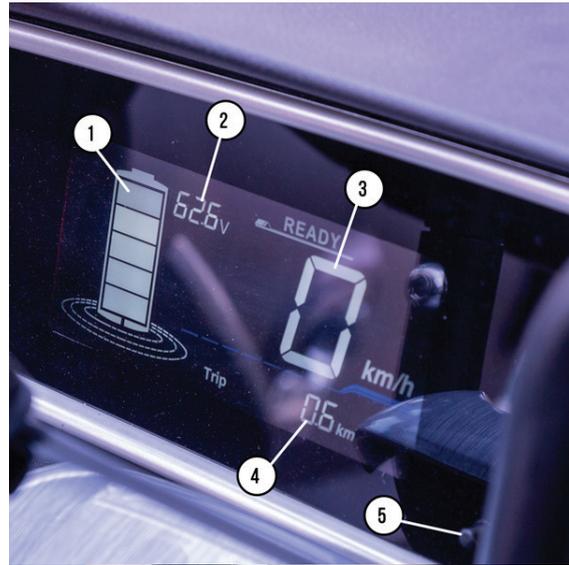
1) **Battery Meter** - Shows how much battery power your unit has. 5 Bars is full battery 3 bars is 50% and 1 Bar is almost out of power

2) **Voltage Reading** - Shows you the Voltage reading of your battery. (Refer to Voltage Chart for more info)

3) **Speedometer** - Shows your current speed

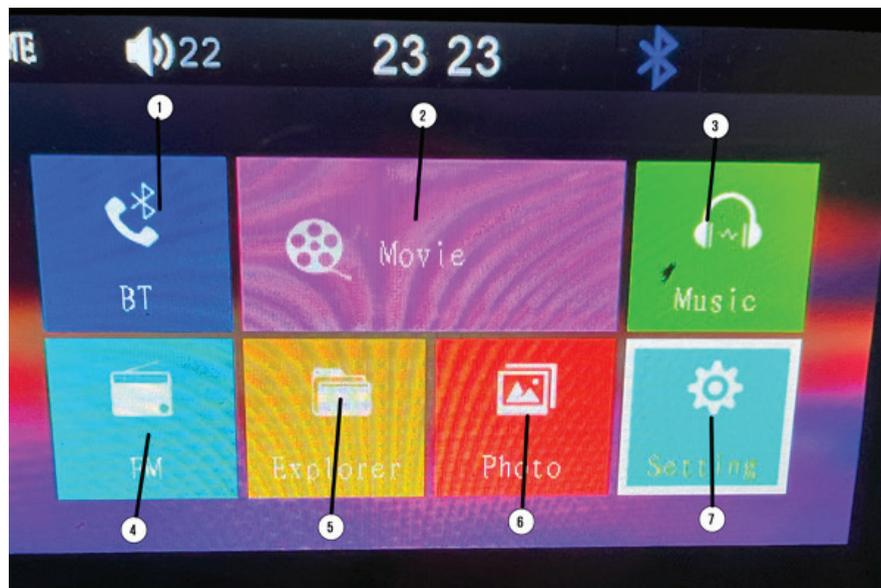
4) **Odometer / Trip Meter** - First shows your total distance travelled. And then shows how far you have travelled on the current trip.

5) **Trip Meter Reset** - Press and hold this to reset the trip meter. (See to the right)



BLUETOOTH / RADIO / BACK UP CAMERA DISPLAY

On the right hand side of the dash you will find this display see below, this can show you your back up camera, the time and acts as the display module for bluetooth and radio playback. To navigate the menu please see Bluetooth Display Controls section in the manual.



1) **Bluetooth** - Choosing this option will play music from your smartphone. To connect to your Boomerbuggy X Pro, go into your phones bluetooth settings and look for the device labelled **IMotor-XXXX**

2) **Movie** - Plays videos off a USB stick, (see Console Controls for more info)

3) **Music** - This plays any MP3 files off a USB stick (see Bluetooth Display Controls for more info)

4) **Radio** - Plays the radio. (See Radio Display for more info)

5) **Explorer** - Press this to see all the files that are currently on the USB drive.

6) **Photo** - Shows any photos stored on the USB drive.

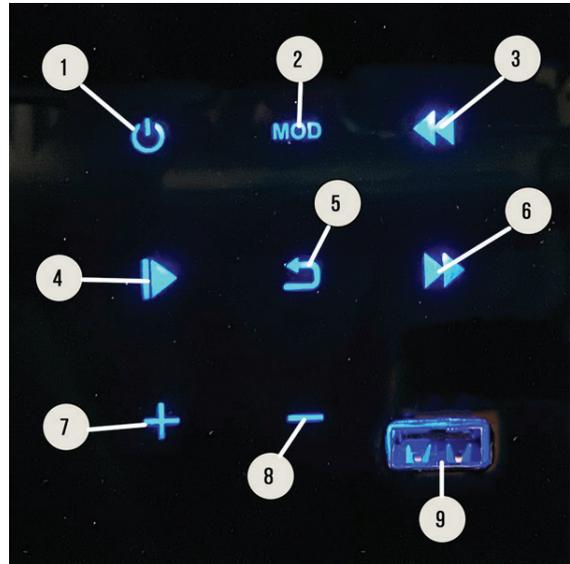
7) **Settings** - Change settings for the Bluetooth Display

Please Note: the Backup Camera switch must be off for you to see this display. Otherwise you will see the Back up Camera as shown on the right.



CONSOLE CONTROLS

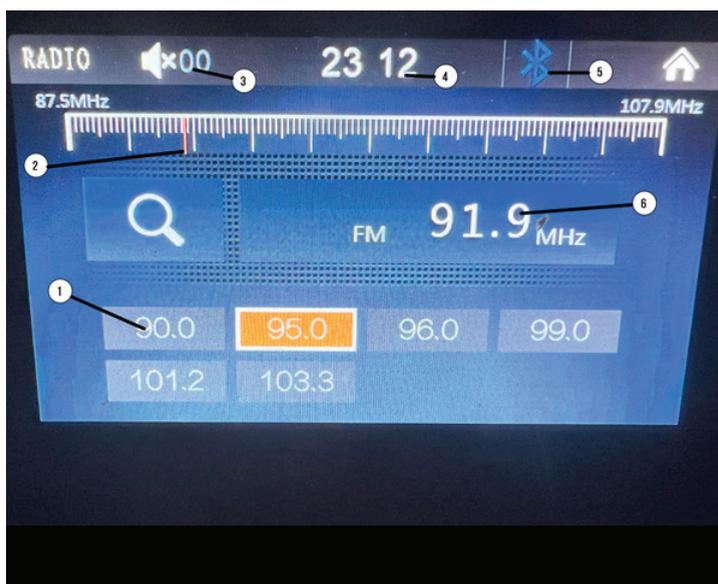
To the right of the Bluetooth display screen is a set of console buttons that you use to interact with the display. Press these buttons to switch stations , songs, pause and play or go to different settings.



- 1) **Power** - Press and hold this to turn on and off the Bluetooth Display
- 2) **MOD** - Press this to quickly switch between, Radio , Bluetooth, and USB
- 3) **Previous Select / Last Song** - Use this button to move selection screen to the previous option, or to play the last song / video / picture in queue.
- 4) **Play / Pause / Select** - Press this to select the menu option you are on or to pause the current video / song you're playing.
- 5) **Back** - Press this to go back to the previous menu setting, or to return to the home screen.
- 6) **Next Select / Next Song** - Use this button to move selection screen to the next option, or to play the next song / video / picture in queue.
- 7) **Volume Up / Next Setting Option** - Press this button to increase the volume or to change a setting or value in the settings menu.
- 8) **Volume Down / Previous Setting Option** - Press this button to decrease the volume or to change a setting or value to the previous one in the settings menu.

RADIO DISPLAY

When you select the Radio option either by choosing it from the menu screen or pressing the MOD button, you will see a screen like this. Here is what everything means on this screen.

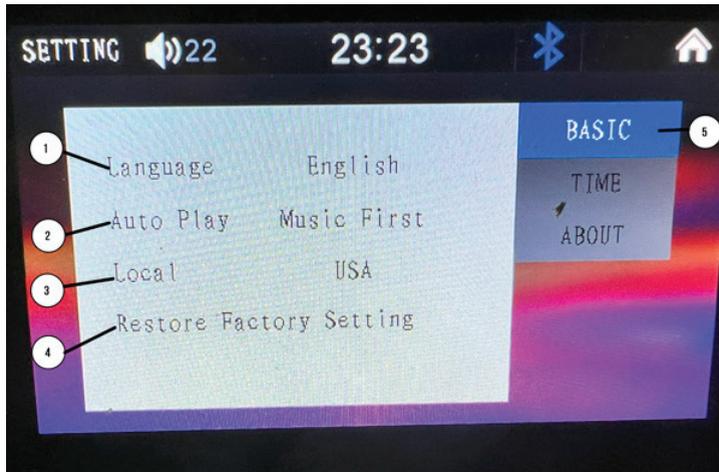


- 1) **Station Preset** - These are generic presets that you can switch to by pressing **Next / Previous** (◀◀ / ▶▶) select buttons. Press the **Select** (▶▶) button to choose it.
- 2) **Current Station** - This needle shows exactly what station is being tuned into. To move this up or down, press AND hold, the **Next / Previous** (◀◀ / ▶▶) select buttons respectively.
- 3) **Volume** - This shows the current volume playing. Full volume reads 30 and completely muted is 0. Change this by pressing the volume up and down buttons (- / +).
- 4) **Time** - Shows the current time. To change the time see Date / Time in the settings menu.
- 5) **Bluetooth Connection** - Shows if there is a device that is currently connected to this machine. To connect to it via Bluetooth see *Bluetooth / Radio / Backup Display* Section
- 6) **Station** - Shows the current station as an integer.

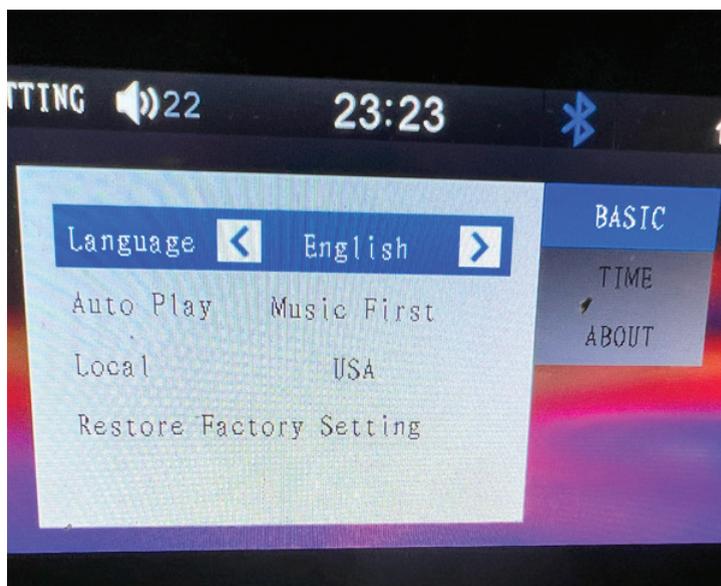


SETTINGS MENU

By moving the menu selection to Settings you can configure the Bluetooth display section as you see fit. Pick the setting you want to change with **previous / next setting** (◀/▶) On any menu selection press **select** (▶) to change it, use the **previous / next selection option** (- / +) buttons to change the option, and then the **select** (▶) button to lock it in (see picture at bottom of page). Or to cancel press the **Back** (↶) button to go back



- 1) **Language** - Change the language display of the machine.
- 2) **Auto Play** - Choose whether it automatically plays music once the machine is on, videos, or nothing at all.
- 3) **Local** - Change the locality of the machine
- 4) **Restore Factory Setting** - Reset all the Bluetooth settings to their default settings
- 5) **Menu Folder** - Change from Basic Menu / Time and Date Menu / About Menu



TECHNICAL DATA

This section provides you with the technical specifications for your Mobility Scooter.

THE MOTOR AND WHEEL ASSEMBLY

The Boomerbuggy X Pro has a magnetic DC brushless motor on the rear wheel hub. This type of motor has excellent low-end torque and high efficiency when working within its range. Note that while the motor is very quiet, it does produce some noise.

THE CONTROLLER

Daymak pioneered the development of intelligent component control in Mobility Scooters. The Daymak Drive technology developed by Daymak is the brain of your Mobility Scooter. It allows your Mobility Scooter to achieve faster acceleration, to climb steeper hills, and to save energy.

The electronic controller is located under the seat assembly. This controller efficiently regulates the speed and electronic functions of the bicycle. It allows for stepless speed adjustment, shuts off the motor when the brakes are activated, has low voltage protection and has fuses to prevent excess current from damaging the Mobility Scooter's systems.

THE BRAKES

FRONT BRAKES

The brakes on your mobility scooter are hydraulic disc-brakes, like those found on gas scooters and motorcycles. They generally provide for very fine stopping and control. This is a very tested and well-designed technology, but even so, the brakes will require servicing from time to time, and may have to be adjusted for tension.

The brakes are contained within a sealed unit, and are very finely adjusted and fitted.

REAR BRAKES

The rear brakes on your mobility scooter are hydraulic brakes. These provide a good friction-grip when they are activated.



MAINTENANCE AND TROUBLESHOOTING

This section outlines problems you may have and solutions you may be able to use.

Many of the parts in this product are not user-serviceable and should be repaired by trained professionals. This is especially true of the electrical systems and the mechanical components. Alteration of these components voids the warranty.

TIRE PRESSURE

Maintain the air pressure in your tires at the appropriate level. If the air pressure is too low, your mobility scooters performance will suffer and it will become damaged more easily.

Cold weather and lower temperatures will cause the air pressure in your tires to drop, and warmer weather will cause it to increase, even if there are no leaks in the tire tube. To replace the air in your tires, follow this procedure:

1. Identify the required pressure by examining the text along the side of the tire rim. This text should indicate the recommended pressure for your tire.
2. Locate the air valve on the inner surface of the tire rim.
3. Remove the valve cap and place in a secure location.
4. Place the nozzle end of an air pump (hand-power or mechanical) over the valve.
5. Pump up the air in the tire, being careful not to let the pressure go above the level prescribed on the side of the tire wall.
6. Remove the pump nozzle from the air valve without allowing much air to escape from the tire.
7. Replace the valve cap on the air valve.

Maintaining the proper air pressure will allow you to travel much further on a single charge, because the motor will not have to work as hard to move the Mobility Scooter.



REPLACING FLAT TIRES

Replacing flat tire tubes is a more complicated and labour-intensive process with Mobility Scooters than it is with regular bicycles. It requires proper tools, more skill and more patience.

Unless you are very familiar with the mechanical components of the scooter, attempting to change a flat tire may cause serious problems. Please contact your Daymak dealer for specific instructions on how to remove your wheel and tires safely, and how to replace the tubes. It may be easier – and safer - to have the tubes replaced by your Daymak dealer.

THE MOTOR

Do not service the motor yourself. Bring the mobility scooter to your Daymak dealer for service. The motor in your mobility scooter is a highly complex and fine-tuned mechanism. Repairing it requires significant expertise. **We suggest maintenance every 100 running hours or so.**

SHOCK ABSORBERS AND COMFORT

If your riding experience feels bumpier than usual, and you suspect that your shock absorbers are experiencing difficulties, check the air pressure in your tires. If the air pressure is too low, this may be the reason you feel less comfortable. It may have nothing to do with your shock absorbers. **If the problem persists, take your Mobility Scooter to your Daymak dealer for servicing.**

BRINGING IN YOUR MOBILITY SCOOTER FOR SERVICE

Do not attempt to service the electronic or mechanical parts of your mobility scooter unless you are absolutely sure of what you are doing and have a solid understanding of electrical and mechanical equipment. If your mobility scooter is not performing properly, disconnect the circuit breaker (if applicable) and bring the mobility scooter to your local Daymak dealer. **Do not store the mobility scooter without disconnecting the circuit breaker.**

Liability

Daymak will not be held responsible for damage or injuries resulting from errors resulting from improperly serviced parts.



CLEANING

Cleaning is extremely important this will ensure your mobility scooter will serve you for a long time. In the long run, it will save you money and a lot of time waiting for the Mobility Scooter to be repaired. You should clean your mobility scooter weekly.

Do not use aggressive power jets or water sprays when washing the mobility scooter and keep water off the battery as much as you can. Clean gently but thoroughly and make sure that all the outer casing of the electric parts are dry and clean.

Remove any dirt, debris, sand, mud, grit, grime that got caught on the Mobility Scooter and dry it off.

While cleaning, it is a good opportunity to look closely for a worn, loose, cracked, rust, teared or damaged parts. Buckled paint can also be a hint for some parts that need closer inspection.

LUBRICATING

It is also recommended to lubricate, levers, cables, etc. A clean, lubricated mobility scooter tends to be faster, smoother and quieter. It's like having a little extra push for free.

Apply the lubricant to the different parts and let it sit a few minutes and then wipe off the excess lubricant with a rag. After a while, clean the different parts with a degreaser to remove any excess dirt that has been collected.

WEATHER

Don't leave the mobility scooter out in the rain or snow.

Store it somewhere dry and out of direct sunlight. Overheating the batteries, for example, can cause problems.

Do not open up casings, chargers, etc as you are unlikely to be able to reseal them effectively afterward, making them more susceptible to water damage and other extreme weather conditions.

Batteries should be charged once a month regardless of usage if possible.



SCHEDULE

The frequency of maintenance depends on how much you ride and under which conditions. Recreational riders needs far less maintenance then off-road riders. The harder you ride, the more you have to take care of your Mobility Scooter if you want it to last. There are various time intervals for proper maintenance. Quick maintenance should be done before & after every ride.

Time after Purchase	Action Suggested
Everytime before you ride (The 60 Second Check)	Check tire pressure, check brakes that they work, check lights, check bolts (make sure everything is tight), check battery gauge. Do not ride the unit unless everything is functional and proper
30 Days (every month)	Completely clean the unit, including the dust on the motor and under the seat. Check for any abnormal wear and tear or alignment problems.
90 Days (every 3 months)	Inspect frame and fork for paint crack or bulges that may indicate frame or part damage; pay particular attention to all frame joints. Check wear and tear on tires. Check range of battery.
180 Days	Inspect all components on the unit. Check that connections are nice and tight. Look inside where your controller is and clean in detail. Check that all plugs are clean. Go over every bolt and nut in your unit.
360 Day (every 12 months)	Bring the unit for a complete tune-up. Varying on the unit the shop should complete a battery discharge, tires should be changed depending on wear and tear. All connections should be checked for rust and looseness. All components should be checked including charged, ignition, and gauges.



SPECIFICATIONS

Name	Boomerbuggy X Pro
Motor	1200W
Voltage	60V
Amp Hour	45A
Watt Hours	2700WH
Battery Life	300 cycles
Battery	Lead Acid
Removable Battery	No
Charger	60V 100-240V
Charge Time	8 - 12 Hours
Lights	Incandescent / LED
Max Load	550 lbs.
Assembled Weight	520 lbs.
Assembled Length	87"
Assembled Width	45"
Assembled Height	64"
Seat Height	32"
Seat Width	18"
Seat Length	15"
Boxed Weight	550 lbs.
Boxed Length	89
Boxed Width	45
Box Height	65
Range	Up to 50 km
Speed	20 km/h
Climbing Incline	20 degrees
Front Wheel	125 / 65-12
Rear Wheel	125 / 65-12
Gauges	Battery Level / Speedometer / Odometer / Trip Meter
Ground Clearance	9"
Wheel Base	61"
Battery Weight	160 lbs.



Name	Boomerbuggy X Pro
Rear Brakes	Hydraulic Disc
Front Brakes	Hydraulic Disc
Ignition	Push to Start
Front Shocks	Dual Coil
Rear Shocks	Dual Coil
Controller	Standard
Pedal Assist	N/A
Speed Levels	3 Speeds
Throttle	Push / Pull Throttle
Cruise Control	No
Display	Full Colour LED
Frame Size	N/A
Rear / Basket Storage	Yes
Under Seat Storage	No
Rear / Basket Storage Volume	N/A
Under Seat / Glove Storage	No
MP3	Bluetooth / Radio / USB
Occupancy	1
Alarm	No
Steering Lock	No
Center Kickstand	No
Foldable	No
Folded Dimenison	N/A





THANK YOU FOR CHOOSING DAYMAK

