

# Ultra Beast ATV

## User Manual



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# ***About Daymak***

Daymak is one of Canada's largest Alternative Vehicle providers. We design, engineer, manufacture, import and repair everything from recreational dirt bikes, go-karts and electric golf cars to alternative transportation solutions such as e-bikes and gas 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 centers. Costing only a few cents to charge, an e-bike 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. E-bike technology has been dramatically re-invented since the introduction of the 1st 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.



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# Components

- 1) Mirrors
- 2) Motor Controls
- 3) Throttle
- 4) Tablet / Display
- 5) Battery Charging Ports
- 6) ATV Rack
- 7) Rear Motor
- 8) Battery Case
- 9) Front Motors (x 2)
- 10) Headlights
- 11) Brakes
- 12) Seat
- 13) Tires

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# Safety

When operating the Ultra Beast ATV please make sure you adhere to the following:

Always wear a helmet when riding the Ultra Beast

Always check your mirrors and blind spots when operating through trails.

Turn on headlights when in need of additional visibility.

Make sure that your battery power is sufficient before you go out to ride

Do not ride with more than 1 passenger

Do not over charge the battery by leaving the charger in the charging port. Once the battery is fully charged remove the charger immediately.

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 operate this unit up extreme inclines to avoid tipping.

Do not make sharp / abrupt turns at high speeds to avoid tipping.

Do not operate under the influence of any use of drugs or alcohol

Do not operate on public roads

Do not operate at excessive speeds.

Do not completely submerge the unit in water



# Operation

## Powering on the unit

When you are ready to use your Ultra Beast, start by turning the ignition, located on top of the front right wheel well (seen here) clockwise. It comes with two sets of keys so be sure to keep the spare separate for safe keeping. Once you are finished turn the ignition counterclockwise to turn off the unit.



## Powering the Tablet Display

PLEASE NOTE: These tablet display instructions are for the standard tablet that comes with the unit. This table can be replaced with any of your devices however not all instructions will apply.

Turn on the unit by pressing power the highlighted button and holding it for 3 seconds.

Once the tablet is on, ensure that the bluetooth function is turned on. (To do this click on the settings icon and under the first menu touch "Bluetooth" and make sure the slider is set to "On". Press the "O" at the bottom center of the screen to go back to the main display.

After, open the Daymak Drive app. (If it is not visible you may need to download it from the Google Play/iOS App Store.)

Please note, to charge the Tablet, plug the charger into the bottom of the tablet and then plug the other end into a regular outlet.



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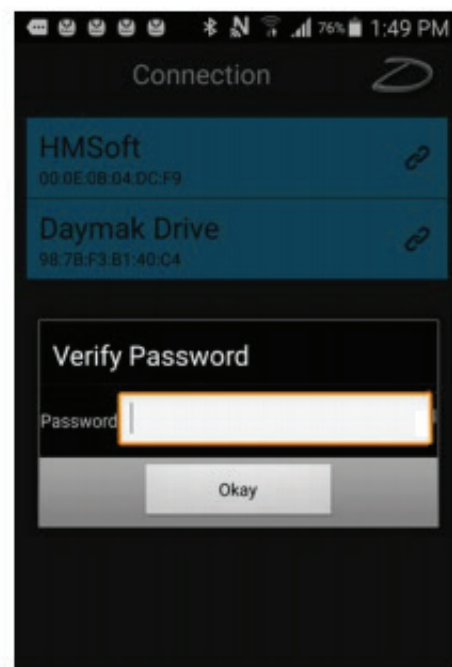
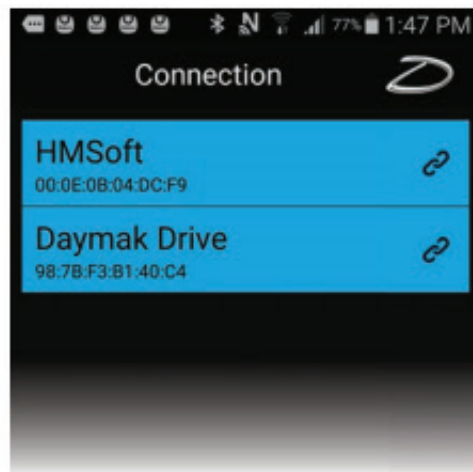
## Connecting the Tablet

Once the App is open, it will show you a list of the nearby bluetooth devices as well as the Front and rear motor. Connect to the rear motor or front (whatever is your preference). For the first time you connect, it will require you to input a password: **12345678**.

Once you have done that, a speedometer will show up and you are ready to go!

For more information on the Daymak Drive App, please refer to the quick guide seen here:

<http://daymak.com/manuals/Daymak%20Drive%20Manual.pdf>



## ***Riding the Unit***

### ***Motor Controls***

To start driving the unit, ensure that you are properly seated on the ATV. On the right handlerbar, you will see two switches. These switches are the Motor Controls.

**Set the top switch to 1 to turn on the front motor and 0 to turn it off.**

**Set the bottom switch to 1 to turn on the rear motor and 0 to turn it off.**

Set Both Switches to 1 to engage both front and rear motors.



In the center console of the Ultra Beast you will find two circuit breakers which control battery power to the motors. This will override the motor settings on the handlebar so please make sure these are set to on.



### ***Throttle***

Once you have chosen which motors you want to engage, rotate the throttle (the right handle seen above) towards you to go. Do this slowly to get your bearings and once you are comfortable continue rotating until you reach your desired speed.

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## **Brakes**

On both sides of the handlebar there are brake levers as seen on the right. To engage the brakes, pull the brake lever towards you.

**The right brake lever activates the front brakes**

**The left brake lever activates the rear brakes**



### ***Brake lock / Wheel Lock***

To engage the brake lock, first pull the brake lever towards you as you would normally engage the brakes.

Then push the knob seen here behind the brake lever . To release it pull the small latch that surrounds the button back and pull the brake lever again to its normal position



# Features

On the left handlebar, you will see two switches and one button.

The switch at the very top is the forward vs reverse switch. Below that you will find the light switch. And below that you will find the horn.

## Forward / Reverse

When the semi circle is pressed down, you will go forward.

When the semi circle crossed out is pressed down you will go in reverse.



## Lights

If the switch is turned all the way to the right only the brake lights will turn on.

If it is in the center position only rear running lights will turn on.

If it is pushed to the far left position all lights will be running.

## ***Winch (Optional)***

If you have received the Ultra Beast ATV with a winch you have the ability to tow things, or in case you have the plow add on, it allows you to raise and lower the snow plow.

At the center console of the unit you will see a red switch with three positions on it.

Push the triangle pointing forward to release tension from the winch to allow for more cable to be released

Push the middle circle to be neutral

Push the triangle pointing backward to pull in the cable and create tension.



## ***Charging the Winch***

To charge the winch, take the 12V charger that came with the Ultra Beast, and look for the charging port on the right side of the unit, just under where the seat is. Plug it in and wait for it to charge. Once the charger light goes green it is fully charged and ready for use.

# Maintenance

## Charging the Unit

In the center console of the Ultra Beast, you will find two charging ports that charge each battery pack as seen on the right.

The rear and front motor use a battery pack specific to them. If you are using only one motor at a time and run out of power, you can switch to the other and continue going.

**The front motor is the left most charging port.**

**The rear motor is the right most charging port.**

Take one of the two chargers that come with the Ultra Beast and flip the cover up to reveal the prongs to plug it in. Connect the charger to the prongs and then to a regular outlet.

The charger light will glow red as it is charging. Once the charger light turn goes green, it is fully charged and you can unplug the charger.

**Please do not over charge the battery as it may lead to a lower lifespan and possible damage to the ATV, including fire or even explosion**



## **Service**

It is recommended that you bring your unit for service at least once a year to have it checked up to make sure it is functioning as intended.

- Check to make sure the brakes are working properly
- Ensure all bolts are secure
- Check the life of the output of the battery pack
- Make sure tires are sufficiently pumped.
- Ensure all electrical connections are secure

It is recommended that it is brought into an authorized Daymak dealer, however a local mechanic shop that has experience with ATVs may be able to offer the same service.

## **Troubleshooting**

If you have issues with your Ultra Beast , try these steps before considering bringing it in for service.

- 1) Check to make sure both batteries are fully charged. Try running the unit with one motor on, and the other off. Then switch. Also, check to see if the horns and lights are working when the unit is on.
- 2) Make sure that the breaker switch is set to on for both battery packs.
- 3) Make sure the key is in the ignition and set to on
- 4) If you are having problems connecting to the tablet, make sure that the Bluetooth feature is set to on and that the battery on the tablet is charged.
- 5) If the charger light doesn't turn red when plugged into the port, make sure that it is pushed completely in.
- 6) If the winch is not operating, make sure that the battery is fully charged.



# Specifications

Specifications with a slash are referring to [Ultra Beast Standard](#) / [Deluxe](#) / [Ultimate](#) in that order

**Battery:** 2 x 60V 20AH Lead Acid / 2 x 60V 30AH Lithium Ion / 2 x 72V 30AH Lithium Ion

**Front Motor:** 2 x 500W Brushless DC Motors

**Rear Motor:** 1000W

**Controller:** 3 x Daymak Drive Turbo Bluetooth Controllers

**Tire Size Front:** 21 x 7-10

**Tire Size Rear:** 22 x 10 - 10

**Battery Life Cycles:** 300 Cycles / 1000 Cycles / 1000 Cycles

**Range:** Up to 60 km / Up to 90 km / Up to 120 km

**Off Road Speed:** Up to 35 km/hr / Up to 40 km/hr / Up to 50 km/hr

**Reverse Switch:** Yes

**Charger:** 60V2.5Ah / 60V3Ah / 72V5Ah

**Charging Time:** 6 Hours / 4 - 6 Hours / 4 - 6 Hours

**Degrees of Incline:** 15 Degrees / 25 Degrees / 30 Degrees

**Dimensions:** 71 " x 49" x 53"

**Weight:** 252lbs / 240 lbs / 265 lbs

**Max load:** 350 lbs

**Brakes:** Disc Brakes

**Suspension:** Dual Front / Single Rear

**Seat Height:** 36"



# Warranty info

Your warranty for your Ultra Beast covers the frame and motor for 2 years, and parts as stipulated by your dealer.

## **Your Warranty Does Not Cover:**

- Any damage resulting from negligence of the periodic maintenance.
- Any damage which results from repair, adjustment or maintenance operations by any methods other than those specified by Daymak Inc.
- Any damage which results from driving due to race, rally, or operation of the vehicle in a location that is not used for normal operational driving of such a vehicle.
- Any damage which results from use beyond the limitations specified in the Daymak Inc. Operations Manual such as overloading the vehicle, or any damage from the use under abnormal conditions (abuse of vehicle).
- Any damage caused when the product is used as a rental vehicle.
- Any damage which results from use of non-genuine parts or accessories (aftermarket/other dealer's add-on/replacement parts).
- Any damage due to improper storage or transport of vehicle or batteries.
- Any damage which may result from repair, adjustment or maintenance operations performed by any person other than Daymak distributor (or the Daymak authorized Dealer).
- Any damage which results from modifications of the product.
- Any damage that results from the passage of time (natural fading of painted surfaces, plated surfaces, sheet peeling, and other deterioration).
- Regular wear and tear items. Daymak will not warranty parts worn due to natural wear and tear (including, but not limited to, light bulbs, tubes, tires, worn brakes, cables, fuses, etc.).
- Any damage which results from unavoidable disasters (natural or otherwise) and/or secondary damages based on any of these occurrences (fire, flood, wind damage, snow, collision, theft, etc.).
- Incidental or additional expenses incurred for making the warranty repair at the location of purchase, such as towing, pick up and deliveries, as well as any losses during maintenance period, such as loss of time, loss of business and/or rental car expenses.
- Scheduled maintenance and inspections fees.



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***Thank you for choosing Daymak***

