



Powered Personal Transportation Electric Power Board



Product Handbook

**FOR THE BLADEZ XTR-HD
ELECTRIC POWER BOARD**

Model: PB-SM809

**PLEASE BE SAFE WHEN RIDING . . .
ALWAYS WEAR A HELMET AND OBEY ALL LAWS!**





IMPORTANT



BATTERY MAINTENANCE and CHARGING INSTRUCTIONS:

1. You **MUST** Charge completely prior to initial use. (Follow charging instructions in your Product Handbook).
2. Charge immediately after every use.
3. Charge before storage – min. of every 30 days if not in use.
4. Charge the unit for 4-6 hours after the light on the charger turns green.
5. **DO NOT** allow your unit to Deep Discharge.
6. For safety purposes, **DO NOT** charge for over 24 hours.
7. Turn the unit **OFF** when not in use.

**Failure to follow proper CHARGING INSTRUCTIONS will
VOID YOUR WARRANTY!**

**This PRODUCT IS NOT INTENDED FOR EXTREME or
OFF-ROAD Use! Please take care of your POWERBOARD!**

DO NOT JUMP or ABUSE THIS PRODUCT!

DO NOT RIDE IN WET CONDITIONS!

**Failure to follow these instruction and abuse will
VOID YOUR WARRANTY!**

If you have any questions, please contact Bladez customer service
(866) 325-2339 or visit us on the web at www.ebladez.com

IMPORTANT

PLEASE READ THIS BEFORE USING THIS PRODUCT

READ THIS FIRST!

WARNING

This product does not conform to Federal Motor Vehicle Standards and is not intended for operation on public streets, roads or highways. Serious injury can result from the unsafe operations of this product. Operator can minimize these risks by using certain safety equipment such as: safety helmet, goggles, gloves, elbow and kneepads and appropriate footwear.

DO NOT operate this product in traffic, on wet, frozen oily or unpaved surfaces or under the influence of drugs and/or alcohol. Avoid uneven surfaces, potholes, surface cracks and obstacles.

DO NOT use a water hose to clean this product. See Product Handbook for more information.

This product is recommended for riders 16 YEARS OF AGE and older.

SAFETY

- This product should not be used by persons without excellent vision, balance, coordination, reflex, muscle and bone strength and good decision-making capabilities.
- This product should not be used by minors without adult supervision.
- This product should not be used by persons unwilling or unable to take responsibility for their own actions.
- The user of this product assumes ALL risks associated with its use. To minimize these RISKS, the user must wear safety helmet, goggles, gloves, elbow and knee pads and appropriate footwear.
- This product is ELECTRIC! DO NOT Ride this product in wet conditions, puddles or rainy weather.

**DO NOT TAKE YOUR
BLADEZ POWERBOARD BACK
TO THE STORE!
CONTACT US FIRST**

**IF YOU HAVE ANY QUESTIONS OR NEED
ASSISTANCE,
PLEASE CALL BLADEZ, TOLL FREE AT:**

**(866) EBLADEZ
(866) 325-2339**

**MONDAY thru FRIDAY, 8am to 5pm PST
or visit us on the web at:**

www.ebladez.com

NETWORK OF BLADEZ AND TANAKA SERVICING DEALERS



FOR ALL YOUR POWERBOARD NEEDS

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GETTING TO KNOW YOUR BLADEZ POWER BOARD

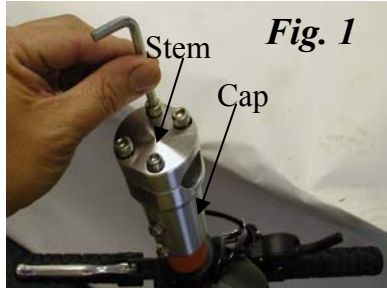


Before operating your BLADEZ Power Board, please get acquainted with all of the features:

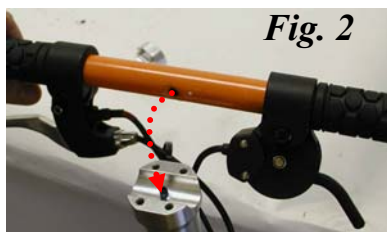
- | | |
|---------------------------------------|------------------------------------|
| 1. Accelerator Lever (Variable Speed) | 12. Seat Clamp |
| 2. Brake Lever | 13. Seat Pin |
| 3. Folding Handle | 14. Seat |
| 4. Disc Brake | 15. Seat Post |
| 5. Kick Stand | 16. Base Stem |
| 6. Charging Plug | 17. Power Panel with On/Off Switch |
| 7. 550 W Electric Motor | 18. Bag |
| 8. Mud Guard | 19. Head Light |
| 9. 24V, 22AH Batteries | 20. Tail Light |
| 10. AC Charger | 21. 10 & 13mm Wrench |
| 11. Charger Cord | 22. 4mm Allen Wrench |

GETTING STARTED

Install handle bar



Before using your XTR-HD, loosen the 4 bolts from the Billet Aluminum Stem with the Allen Wrench provided, and then remove the stem from the cap as shown in Fig 1.



Place handle bar onto the Billet cap with the hole facing down towards the threaded bolt as shown with arrow in Fig 2.



Place the Billet Stem on top of the handle bar and the cap and tighten the bolts to secure the handle bar onto the cap as shown in Fig 3.

Unfolding Instruction



1. To unfold the XTR-HD, begin by pressing down on the FOLDING HANDLE with one hand (Fig. 4), while gently pulling up on the handlebars with the other hand.



2. Fully extend the handlebars to their upright position until you feel the mechanism lock into place (Fig. 5).

Charging

Your XTR-HD should come charged out of the box. Bladez still recommends charging the unit for 6-8 hours prior to first use! Bladez also recommends charging your XTR-HD after every use and prior to storage.

Warning: DO NOT allow your Powerboard to go into deep discharge! – This will damage the batteries.

Charging Instructions



Fig. 6

Charging

1. Carefully remove the XTR-HD from the box.
2. Make sure the unit is turned OFF.
3. Open the charging plug by rotating the safety cover counter clockwise as shown in arrow from Fig. 6.
4. Turn on the charger by switching the on/off button on the back of the charger.



Fig. 7

5. Locate the AC CHARGER and plug it into wall. Insert the charger (the end with the prongs inside of it) into the charging plug. A red light will come on the Charger indicating that the charger is turned on (Fig. 7). The light next to the red light indicate the charging status of your Power Board.

Status light

Power On light



Fig. 8

The charging light indication is shown on top of the charger as shown in Fig 8.

- = Charging
- = Full charge
- = Disconnect

6. Remove charger and close the safety cap.
7. You are now ready to ride the XTR-HD.

Note: If the light turns green right away, this is because the unit was charged at the factory. Please continue charging for 6-8 hours prior to initial use.

Install Seat

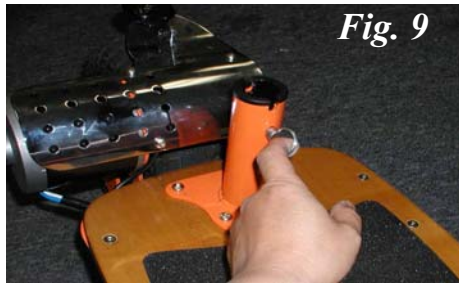


Fig. 9

Your XTR-HD comes with Seat Attachment. Additional seat option is available for purchase directly from www.ebladez.com.

1. Pull out the lock pin from the Base Stem as shown in Fig 9.
2. Insert the seat onto the Base Post, adjust seat position and tighten and close seat clamp with a 14mm wrench as shown in Fig 10.
3. Press to insert the Base Post with the seat firmly into the Base Stem. Make sure the tube guides slide into the base grooves.
4. Slide the Seat Pin through Base Stem to secure the Base Post (Fig. 11).
5. Adjust to desired height if necessary.



Fig. 10



Fig. 11

Install Basket



Snap basket onto slot as shown in arrow



Riding

Before going for a joy ride, make sure that all of the bolts and screws are tightened. Insert key and turn clockwise to the ON position, several red lights will come on indicating the unit is turned on as shown in Fig 12.



NOTE: Please note that head light can be turned on and off.

NOTE: If the unit is at the ON position for over 10-15 minutes without moving, Smart Power will shut itself OFF. To reset, turn the unit OFF, wait a few seconds and then switch it back ON again.

Put one foot on the deck of the XTR-HD. While pushing off with the other foot, gently squeeze the ACCELERATOR LEVER, on the right side of the handlebars. The XTR-HD will begin to move on its own power.

Control your speed by pressing and releasing the accelerator lever. You do not need to constantly hold down the accelerator, but can rather use small bursts of power to control speed and maximize battery life.

To stop, release the accelerator handle and depress the BRAKE LEVER (on the left side of the handlebars). Depressing the brake will disengage power to the motor. When the unit feels like it is losing power, or not accelerating to full speed you are ready to RECHARGE.

***NOTE:** At this time, there is still charge in the battery but it is not advisable to fully discharge the batteries.

FOLDING AND STORAGE

When you are done riding the XTR-HD you can fold it down for compact storage, carrying and transportation. Make sure the POWER SWITCH is in the OFF position and the charger is unplugged from the socket.

Always charge your POWERBOARD fully prior to storage!

To fold down the XTR-HD, use one hand to push down on the FOLDING HANDLE, while using the other to gently push down on the handlebars. BE CAREFUL NOT TO HIT YOUR HEAD WITH THE HANDLEBAR. Push down until you feel the mechanism lock into place.

You can now carry the XTR-HD by the handlebar tube.

CHARGING SYSTEM

This unit comes standard with a regulated 24V charger, this means that the charger can be left switched on for a long period of time without harm to the batteries.

NOTE: It is not advisable to leave your Powerboard plugged in for more than 24 hours.

ALWAYS CHARGE YOUR POWERBOARD PRIOR TO STORAGE

To re-charge your XTR-HD, simply connect the small round plug on the CHARGER to CHARGING PLUG as described in GET STARTED Charging section.

Your Power Board is now fully charged and ready for use.

RECOMMENDED TOOLS

To adjust and service the Bladez XTR-HD Power Board you will need the following tools:

Allen Keys: 3/4/5/6mm.
Wrenches: 10/13/14/17 mm Open and ring combination.
Large Adjustable Crescent Wrench
Philips Head Screwdriver
Oil, Grease or Lubricant (such as WD-40)

BRAKING SYSTEM

The XTR-HD uses a front wheel disc/calliper system activated by a hand lever (on the left side of the handlebar). The brake is activated by squeezing the BRAKE LEVER with your left hand. The XTR-HD is equipped with a controller that temporarily disengages the power to the motor when the BRAKE LEVER is depressed.

Practice braking on a smooth, dry surface to get used to the feel of the braking system. Braking distance is affected by wet conditions and loose and uneven riding surfaces.



Fig. 13

adjustment:

Adjusting the Brakes

The Brakes on the XTR-HD should come fully adjusted from the factory. However, it may be necessary to adjust the brake from time to time.

To adjust the brakes:

1. Loosen the tension screw on the Brake Lever by rotating it counter-clockwise until the wheel spins freely, with some For further

2. With one hand, depress the brake calliper using your thumb and forefinger. (Fig. 13).
3. With the other hand, adjust the tension screw on the brake line.
 - a. Turn the tension screw clockwise to loosen the brake.
 - b. Turn the tension screw counter-clockwise to tighten the brake.

Squeaky Brakes

The brakes may squeak before they are broken in. This is normal and will not affect the function or performance of the brakes. With continued use, the squeak should go away.

TIRES AND WHEELS

The Bladez XTR-HD uses an identical rim and tires assembly on the front and rear wheels, which means that the tires can be rotated. The wheels are actually two wheel halves (split rim) bolted together to make it easier to remove and replace the tire.

The rear wheel is fitted with a special spacer to accommodate the sprockets, while the front wheel has a bracket for the disc brake.

Tire wear will differ based on rider weight, riding conditions and care. Replacement tires can be obtained at your local Bladez dealer, through motorcycle shops, or from the Bladez website at www.ebladez.com.

Tire Pressure

This KENDA tire must be inflated to a maximum of **30 P.S.I.**

Empty all air from the tire, prior to loosening the bolt to split the rim.

ADJUSTING THE HEAD UNIT

The head unit should come adjusted from the factory. However, riding on rough terrain and general use may cause the head unit to become loose over time. It may be necessary to adjust the head unit from time to time.



Fig. 14

To adjust the head unit:

1. Rotate the handle bar as far right as it will go to expose the HEAD UNIT (Fig. 14).
2. Using a large adjustable wrench, gently turn the BEARING LOCK clockwise to tighten.

* DO NOT over tighten as it will make it difficult to steer and may DAMAGE THE BEARING RACE.

CHAIN CARE

Proper chain care will increase the life and improve performance of your Power Board. Always keep the chain lubricated and tightened to proper tension.

Lubrication

Always keep the chains lubricated with a good chain spray or grease (not chain wax). If the chains are allowed to run dry for a prolonged period they will fail, and the life of the chain is severely shortened.

Chain Adjustment

The chain on the XTR-HD should be adjusted from time to time. The chain should be tight enough not to skip, but have a little bit of play. If you feel your chain skipping or make a popping noise, adjust the tension immediately.



For regular adjustments:

1. Using a 17mm wrench, loosen the axle bolts on each side of the rear wheel (Fig. 15).
2. While the axle bolts are loose, using a 10mm wrench loosen the tension bolts behind the rear wheel of the XTR-HD and move the rear wheel backwards to remove the slack for the chain (fig. 16).
3. Once this is achieved the wheel nuts must then be relocked into position and wheel alignment must be checked (while turning the wheel, visually check that the clearance between the wheel and the frame parts have clearance).



*Note: Chains that are run excessively dry or loose can result in sprocket teeth being severely damaged.

TROUBLESHOOTING GUIDE

The following guide will help assist you in identifying and correction common problems with your XTR-HD:

Symptoms	Potential Causes:	Solutions:
The charger light turns green right away	This indicates the batteries are adequately charged. Most units come charged in the box.	No action needed.
Batteries do not hold a charge. Unit does not have specified travel range.	Batteries have reached the end of their useful life. Charger is malfunctioning.	Replace batteries. Replace charger unit.
Unit moves intermittently, or very slow.	Batteries not fully charged. Throttle cable is loose.	Charge batteries. Tighten cable.
Unit will not move when throttle lever is activated.	Throttle cable is loose. Batteries not fully charged. Batteries have reached the end of their useful life.	Tighten cable. Charge batteries. Replace batteries.
Unit stops abruptly during use.	Circuit breaker has "tripped".	Allow electric motor to cool and re-set circuit breaker by turning power switch on and off.

OTHER QUESTIONS

Where can get replacement and aftermarket parts?

From your local Servicing Dealer or over the web at:

www.ebladez.com

For additional questions, service instruction, further information and important phone numbers, please go to the Bladez website at www.ebladez.com.

If you have any additional questions, please contact Bladez Customer Service Department at (866) 325-2339 x 1

Thank you for purchasing a Bladez Power Board and please tell your friends about how much fun you had on the Bladez Power Board.



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