



StormBreaker Gaming Mouse

Hyper Lightweight Gaming Masterpiece Expertly Engineered for Supreme Gaming Performance

Stormbreaker was designed, engineered, and created by gaming experts to provide players with the ultimate in performance, as every single feature built into the mouse is optimized for gaming. Its unique style and appearance is crafted with a high-grade magnesium alloy exoskeleton in an intricate yet ultra- durable ergonomic shape design; built with the latest, most advanced state of the art manufacturing techniques and equipment. Weighing only 51g with the lowest density and optimized strength to weight ratio, Stormbreaker is the true next-gen ultra lightweight gaming mouse with no compromising on size, shape, balance nor functions.

*Please peel the clear thin plastic film off the bottom of each of the mouse skates before first time use



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Referenced Links

StormBreaker Product Page

Adjustable Sensor Technology

Our website page

Optimal Sensor Position for a Computer Mouse

A study on sensor position

Do we need a faster mouse?

A study on mouse polling rates

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Main Features



Magnesium Alloy

The mouse feels super premium in hand due to the mouse's magnesium chassis. Magnesium is the lightest structural metal. It is 33% lighter than aluminum, 50% lighter than titanium and 75% lighter than steel. It was chosen for its high strength, near zero flex and low density.



Sensor Customization Tech

Optimal sensor position is unique to each person. Depending on your grip style and technique, you will naturally just have an optimal sensor position that you flick, aim and track best with.

For example, imagine picking up a pen sightly higher than you naturally would, you can still write with it, but you will need to compensate for the precision - affecting your speed and accuracy.



Hyper Lightweight

Feel the difference. Two mice with the same weight can feel totally different because of the difference in density and weight balance. The StormBreaker's magnesium chassis allows it to be one of the lowest density mouse on the market with a center balanced and uniform weight distribution.

Total Weight

51 g

Density

0.17 g/cm³



Industry-leading Performance

Stormbreaker is armed with the latest innovations in performance-gaming technology to provide gamers with a new standard of gaming responsiveness. Architected with the most advanced MCU, sensor, and High Speed Polling Rate Receiver Pyramid; offers zero lag wireless, 0.6mS average click latency and true 2000Hz polling rate; double the standard 1000Hz, allowing gamers ultimate response time and tracking. 4000Hz will be available after launch.

Why magnesium?



Lower Density

Magnesium is the lightest structural metal. It is 33% lighter than aluminum, 50% lighter than titanium and 75% lighter than steel.



Premium and Stronger

Magnesium gives the mouse a premium feel in hand due to the metal's low density, zero flex properties and high durability.



Weight Distribution and Shape

Two mice with the same weight can feel totally different - one feeling much heavier, slower, dragging, harder to control than the other because of the difference in density and weight distribution. The magnesium chassis of the StormBreaker allows for an even distribution of weight and the lowest density for a medium sized mouse. Feel the difference.



Why magnesium?



The World's Lightest Ergo Wireless Gaming Mouse

Mouse weight on the gaming mouse market is becoming a vanity metric like DPI resolution levels.

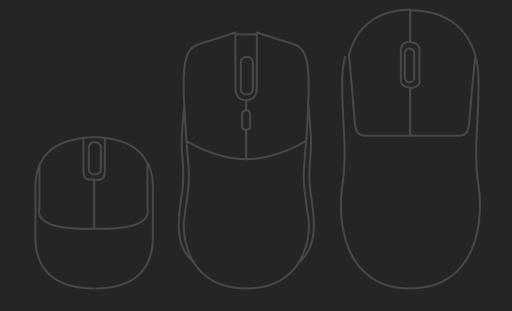
The Stormbreaker has been engineered and fine tuned for the lowest density possible based on the volume and shape of the mouse without compromises. It is currently the world's lightest ergo wireless gaming mouse on the market.

Total Volume

312cm³

Total Weight

51 g



Average Lightweight Mouse Density

0.23 g/cm³



StormBreaker Density

0.17 g/cm³

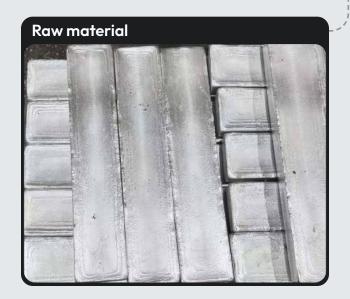




Production Process

The StormBreaker utilizes the latest and most advanced manufacturing and production techniques.

The production of the magnesium chassis alone involves multiple steps and stages to meticulously craft each piece to our exact specifications.





Mold casting





O2 Refining







Magnum Opus **StormBreaker**









Anti corrosion and chemical surface treatment





Standard Edition







Black



Limited Edition



Magnum Opus **StormBreaker**

Sensor Customization





Proven Increased Accuracy and Aim Control

Featuring the latest patented sensor adjustment technology to fine-tune to your specific preferences. From front-to-back sensor positions, offering up to 14% of through-put (speed and accuracy) and reduces path deviation while aiming up to 23%

Our Adjustable Sensor Technology

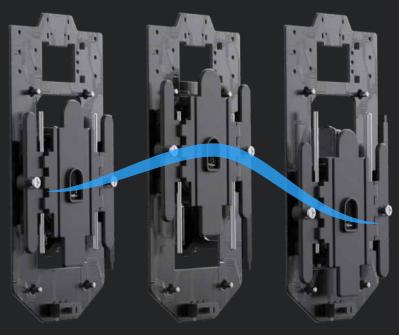
Optimal Sensor Position for a Computer Mouse A study

Path Deviation

- 23%

Throught-put Speed and Accuracy

+ 14%



Sensor Position

Affects



Although the movement is the same, the sensor position affects the trajectory path which can significantly affect aim and gameplay performance. Optimal sensor position is unique to each person. Setting your optimal position will unlock the lowest margin of error when flicking from point A to point B.

2000 Hz Wireless



The StormBreaker offers true 2000Hz polling rate, not interpollated or double reporting. Compared to traditional 1000Hz polling rate mice, a 2000Hz mouse offers a much more responsive and accurate gaming experience. The higher polling rate allows movement to be tracked more accurately, and enables faster reaction times. This can be beneficial in games where precision and speed are important, such as first person shooters and real time strategy games. A 2000Hz mouse also offers improved tracking on high resolution monitors, and can make a difference in games that require fast, precise mouse movements.

A higher polling rate will decrease latency, but there is a point where it will yield diminishing performance returns. Learn More *A study Do we need a faster mouse?





HighSpeed Polling Rate Receiver Pyramid



Close to your mouse for strong signal



Away from other ports for clear signal

Tech Information



Sorted Omron Switches

Premium sorted Omron switches. Handpicked, tested before and after assembly for optimal, reliable high performance and super low latency clicks.

Lifetime 20 Million Clicks

PAW 3395 Sensor

Lowest error rate. Latest most advanced PAW 3395 optical sensor for 26,000 DPI.

Adjustable LOD Less Than 1mm

Maximum DPI 26,000

High Efficiency Lag Free Wireless

Architected with Nordic nrf52840 MCU chip allows for next gen lag-free wireless performance, maximum power efficiency, and stability.

Battery Life 120 h
Full Recharge 2 h



Accessories



Glass Feet

The StormBreaker comes default with PTFE mouse skates. Please remove the thin plastic layer under the mouse skates before use. Optional glass skates are available for purchase on the site.



100% PFTE Feet
Default



Glass RedAvailable for Purchase



Glass GrayAvailable for Purchase

Grips

Black grip tape is incluided in the box for users to try. With the grip tape, users can improve the grip feel of the mouse and add additional width and hight to the mouse to better fit their hand size.



Black Grip Tape
Default



Gold Grip TapeAvailable for Purchase

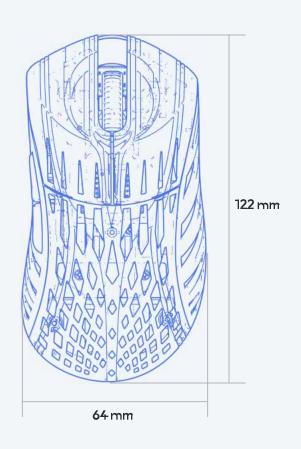
Technical Details



Physical Specification

Size	Length Width Height	122 mm / 64 mm / 42 mm /	2.52 in
Weight	~51g		
Form Factor	Right Handed		
Coating	Matte		
Feet	100% PFTE	or Glass	
Buttons	5		
USB Type	Туре С		
Cable	Type Length	USB Type 0 2 m / 6.5	





Tech Specification

Connection	Wireless		
Sensor	Туре	PAW 3395	
	Resolution	26,000	
	Max Speed	650 IPS	
	Max Acceleration	50 G	
MCU	Туре	Nordic nrf52840	
	Polling Rate	True 2000 Hz	
Battery	Туре	Li-lon 300mAh	
	Life	Up to 120 Hours	
	Recharge	Full in 2 Hours	
Switches	Туре	Sorted Omron 20M	
	Lifetime	20 Million Clicks	
LDAT Latency	0.6mS average click latency @ 2000Hz wirele		

IP54 Rated protection from limited dust and water

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What's in the Box





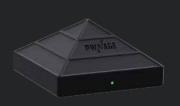
StormBreaker Mouse



Grips Black



USB Type C Cable
Black Paracord



USB Reciever Pyramid HighSpeed Polling Rate



User Manual



Safety Instructions

Contact Information



Thank You!

We hope you enjoy your Pwnage StormBreaker gaming mouse. Please feel free to reach out to us should you have any questions or require assistance with the mouse. Support

support@pwnage.com

PWAGE