

CLUTCH **G1**
OPTICAL
MOUSE

Product Manual

SOFTWARE INSTALLATION



Download Software Installer
From: <http://download.fnatic.com>



Run the Installer



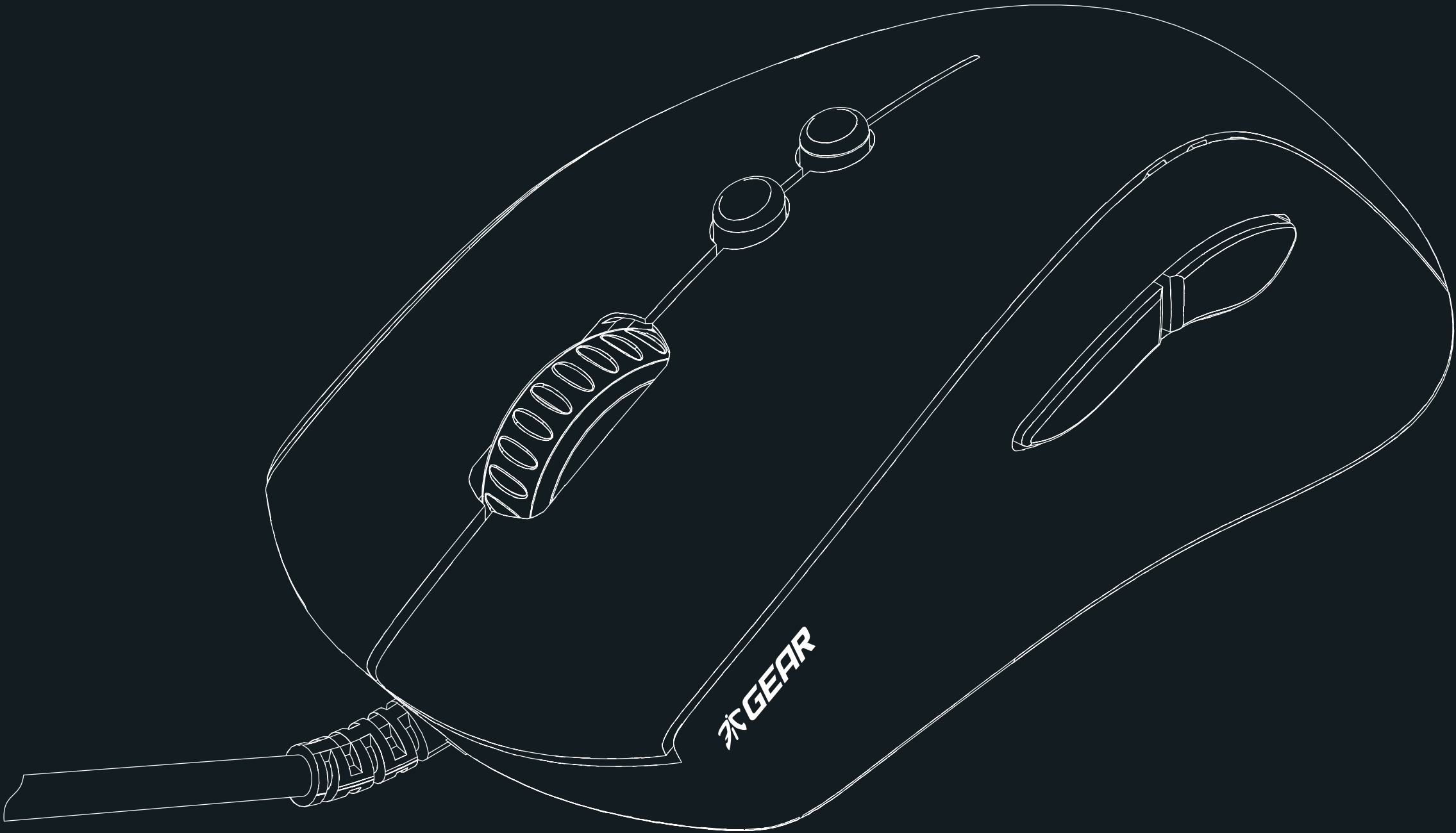
Accept Pop'ups
If you are prompted by any pop'ups during the installation, please accept (it is a requirement for the software to run properly).



Reboot Your Computer
When the installation is complete, please reboot your computer

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FEATURES

Made with the sole purpose to give the esports gamer an edge over his opponents, the Fnatic Gear CLUTCH has been designed with performance driven components and interesting features. The curvature of the body is ergonomic yet uncomplicated. It is a result of countless hours spent studying different hand positions and shapes, then carving our ideas as clay models, and having the best one approved by the Fnatic teams. Additionally, the Fnatic Gear CLUTCH features seven programmable buttons, a scroll wheel, three user profiles, a macro recorder, and a customizable LED-lighting system, making it completely customizable to your personal preferences.



Pixart 3310 Sensor

This optical LED sensor is the latest on the market and focuses on performance in terms of optimal tracking speed and acceleration, setting it apart from other sensors that push for more CPI (Counts Per Inch). It is the best performing sensor on the market and the first choice of sensor for any member of the Fnatic teams.



Omron switches

Omron switches with a MTBF of 10M clicks are chosen for the Left and Right click, ensuring that the CLUTCH's quality will not fade during its lifetime.



Drag Reduction Cord

The exit of the cord support has been angled upward at a 30 degree angle. This prevents the cord from touching the surface in front of the mouse, reducing the drag of the cord.



Color System

An RGB LED lights up the CLUTCH's scroll wheel. The RGB LED can be configured in any color preferred by the end-user and offers various brightness modes.

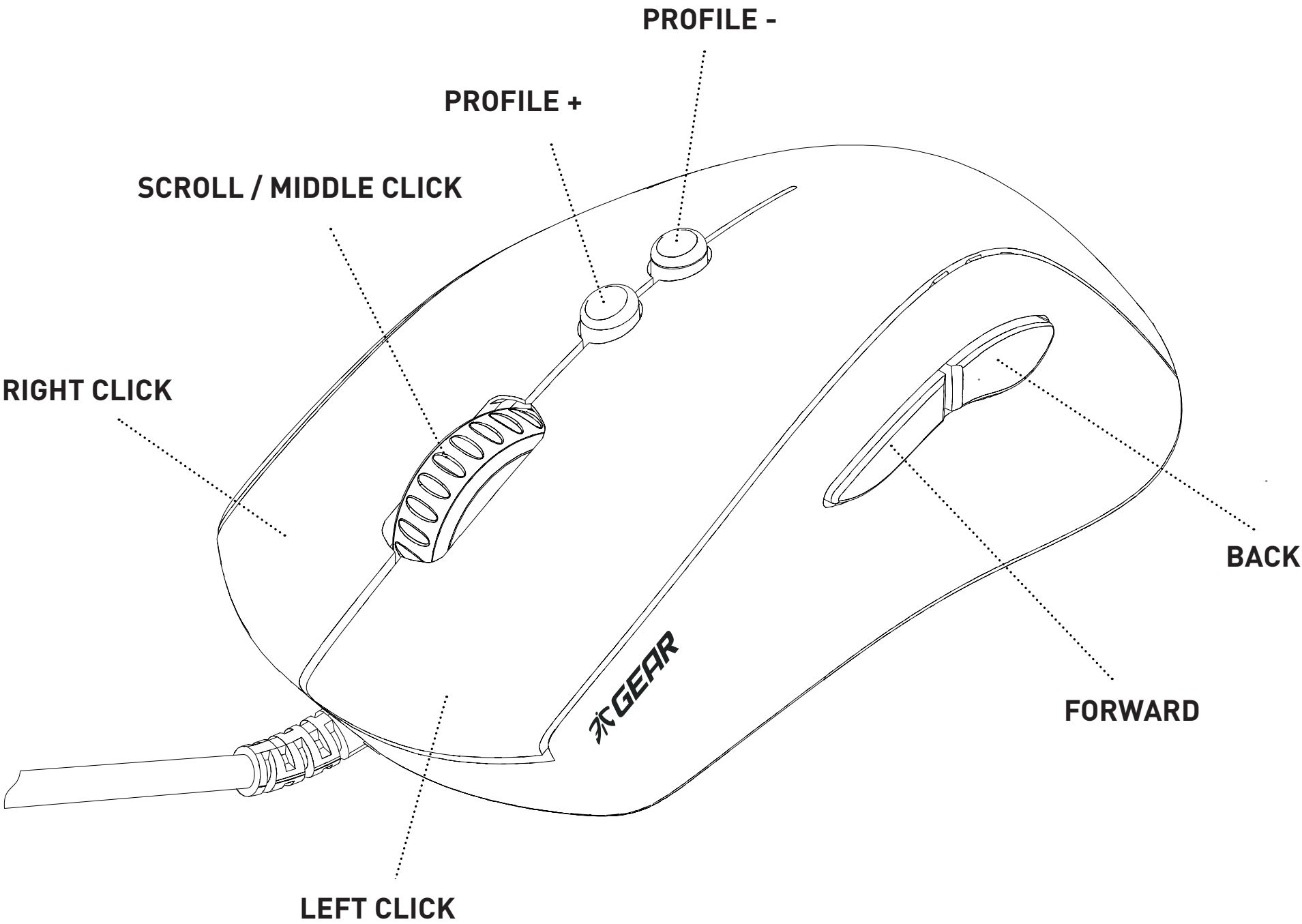


Onboard Memory

Onboard memory stores up to three profiles with three CPI steps each, as well as macros and light configurations. This gives the end-user the ability to smoothly switch between systems without any hassle.



FEATURE DESCRIPTION



Scroll Wheel LED

Personalize your mouse by customizing the RGB LED in the scroll wheel to any color you desire.

Pro tip - A unique color can be set for each user profile

Profile Level/CPI Indicator

Pressing the Profile cycle button cycles through three user defined Profile levels. The number of lit LEDs in white corresponds to which Profile level is active.

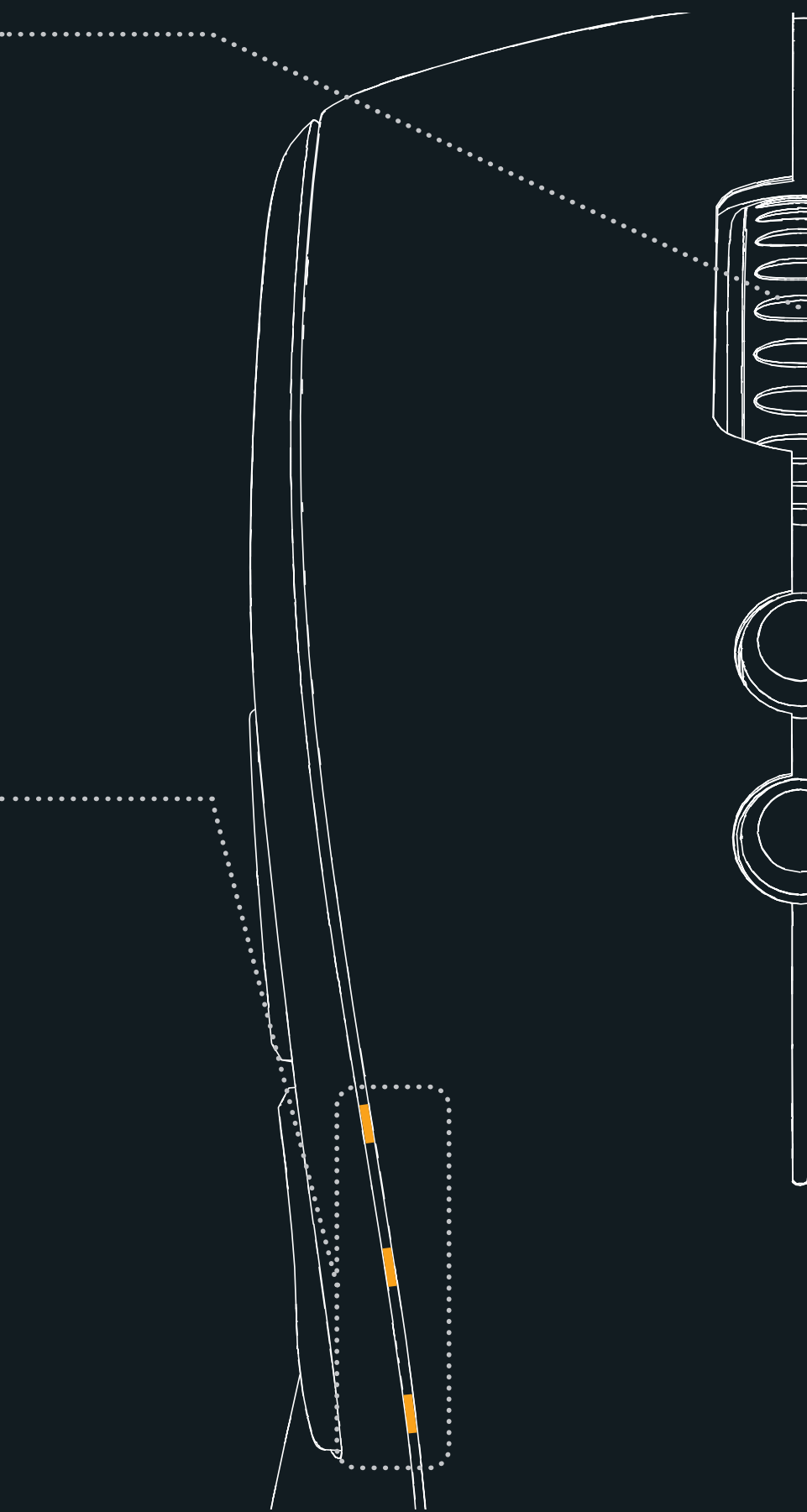
White light indicates the current Profile level
Orange light indicates the current CPI level

Pro tip - You can assign a button via the software to switch between CPI. The number of lit LEDs in orange corresponds to which CPI level is active.

Examples

LED's lit while either Profile, CPI or both modes are active.

- 1** If the user only has assigned a CPI changing function to the mouse, the number of orange LED's represents the CPI levels.
- 2** If both CPI and Profile functions are assigned, Orange is the primary color which shows the CPI level. If the user decides to change their profile the LED's change to white while the user is using a Profile changing function.
- 3** If only a Profile changing function is assigned, white is the primary color which shows the current Profile level. CPI level is not shown since there is not a way to change it.
- 4** If neither a Profile or CPI changing function is assigned, none of the LED's are lit.



FUNCTIONS

The graphical interface contains three buttons at the top which indicate which Profile is currently selected. On the right you will find the Backup/Restore functions which allow you to backup the currently selected profile.

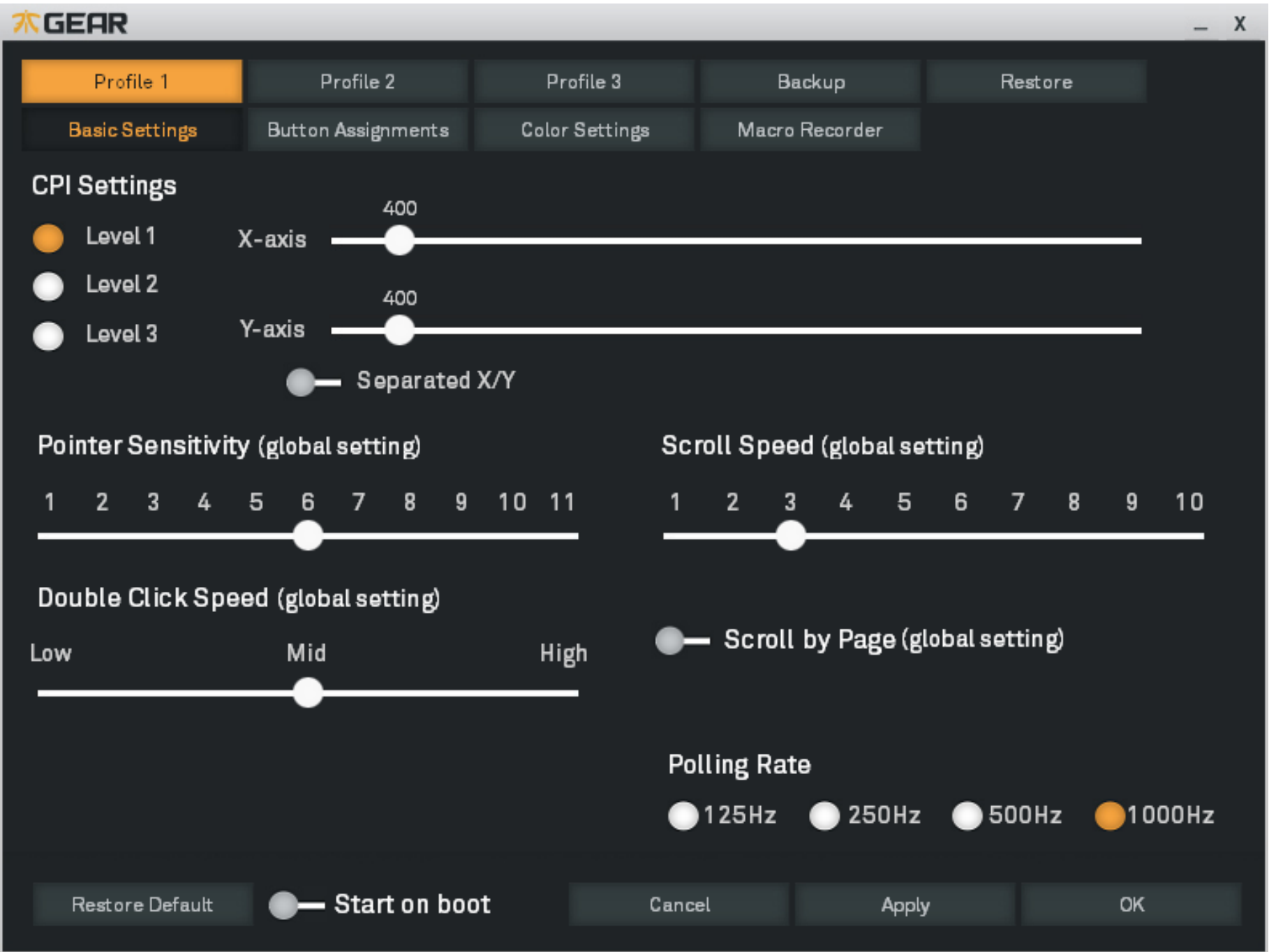
Beneath the Profiles you find the feature tabs where you can switch between Basic Settings, Button Assignment, and Color Settings. To the right you have the Macro recorder. In the far down left corner the Restore Default button is located. This restores the mouse to its default settings. A more detailed explanation of each of the features can be found in separate sections of the manual.

In the main header of the software window you find the FW (Firmware) and SW (Software) versions.

Pro tip: Profiles can also be saved to an external device, such as a USB stick. This allows you take your settings with you when you are not playing using your own system and/or mouse, or wish to share your favorite settings with a friend.

Pro tip: Do not forget to backup your profiles to a local storage device before restoring the mouse to its default settings.

Pro tip: It is not necessary to run the settings software in order to change profiles; the software is only needed to setup and customize profiles. Once set, profiles are stored in the internal memory and will remain saved until the mouse is restored to its default settings.



BASIC SETTINGS

CPI Settings

CPI (Counts Per Inch) is a unit of measurement that indicates how many counts will be reported by the mouse when it is moved one inch. A higher CPI indicates a higher mouse cursor velocity.

The horizontal and vertical CPI axes can be separated from each other resulting in a higher or lower speed in one axis.

Each profile contains three levels which corresponds to the CPI level indicator that is located on the mouse.

Pointer Sensitivity

The Pointer Sensitivity is a operating system setting which controls the speed of the mouse cursor. (This function is global and used across all profiles)

Pro tip - We strongly encourage leaving this at six (6). Six is the direct translation of data from the mouse to the OS – anything below or above 6 gets resampled by the OS, which could affect mouse functionality.

Double Click Speed

The Double Click Speed is a operating system setting which controls how fast you would need to double click the left mouse button to execute a double click action. (This function is global and used across all profiles)

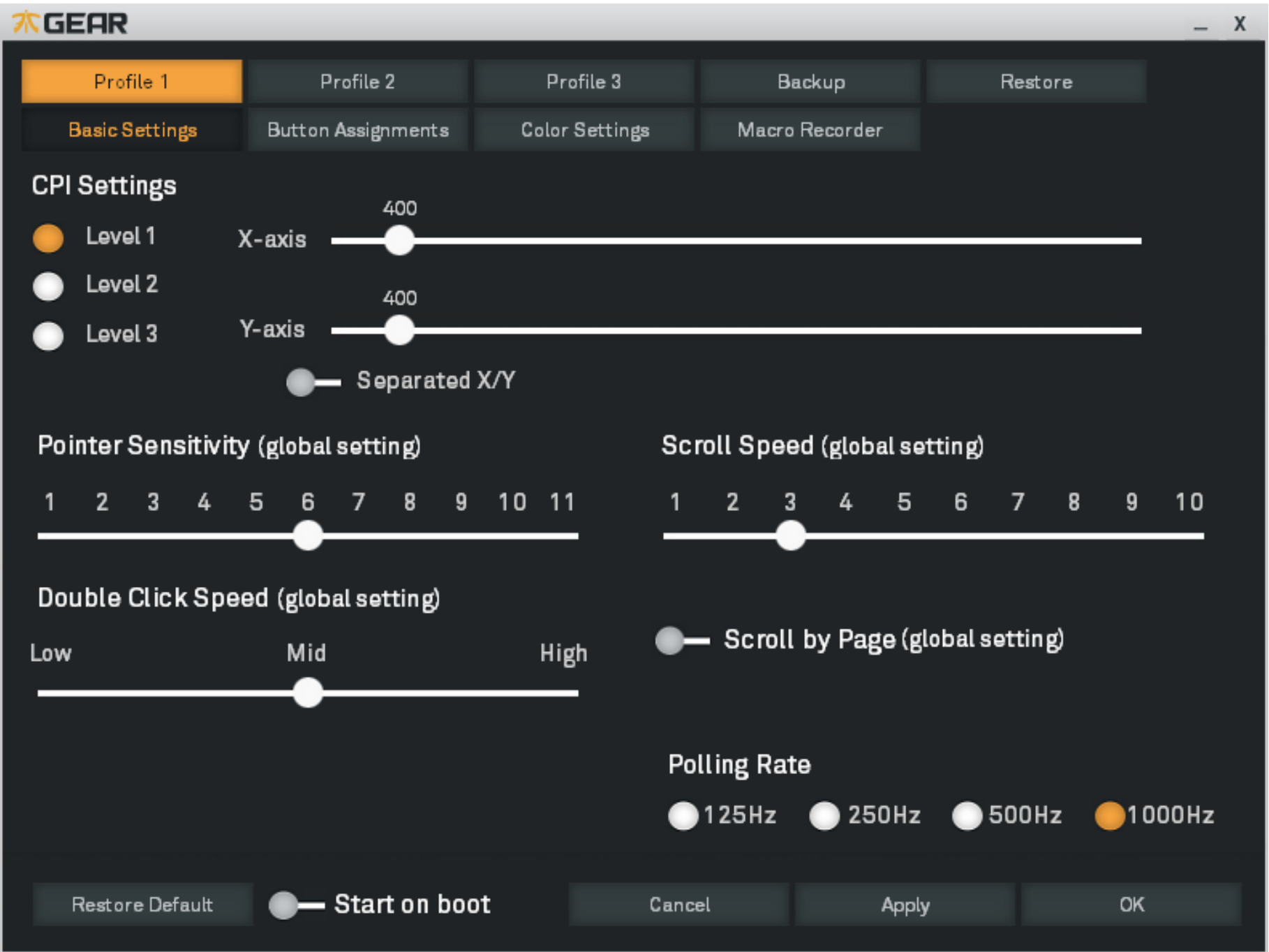
Scroll Speed

Scroll Speed determines the amount of incremental row movement per scroll step. Scroll by page indicates that instead of scrolling across rows you scroll one page at a time. (This function is global and used across all profiles)

Polling rate

The polling rate represents how often the mouse communicates with the computer.

Pro tip - E-Sports professionals use 1000Hz



BUTTON ASSIGNMENT

Every button on the CLUTCH is fully customizable.

To reconfigure a button, click on its respective dropdown. A menu will display all the available commands. Buttons can be also be disabled to avoid miss-clicks when not being used.

When you are happy with your changes, press the Apply button, and the new commands are saved.

How to Assign a Function

1

Identify a button that you want to assign a function to [A].

2

Locate the corresponding dropdown for that button [B].

3

Select the preferred function

Pro tip: As a safety precaution, the software will not allow you save to without having “Left click” or “Right click” functionality assigned.

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COLOR SETTINGS

The scroll wheel of the CLUTCH Gaming Mouse has an LED that is customizable in 16 million different colors. The LED can even be configured in various brightness modes, a rainbow effect, or no light at all.

The color settings are divided into two different areas; Color selection and Light configuration.

Turn on the LED by clicking the Off/On button [A].

The currently mixed color [H].

How to Pick a Color

- 1

Color. Select a color with the Color slider [B].

OR

Turn on Color cycle [G].
(Color Cyle alternates between all colors available)
- 2

Select the Saturation [C] of the selected color.
(equals the amount of white is mixed into the color)

How to Modify the Light Configuration

- 1

Select one different brightness modes [D] that is available.
(brightness configurations cannot be selected while Color cycle is enabled)
- 2

Mode. If the mode CUSTOM was chosen you can specify the brightness [E] of the LED.

OR

If any of the other modes are chosen, you can set the Interval [F], in seconds, of that mode.
(the interval slider does also control the Color cycle.)



MACRO RECORDER

The macro recorder can record up to 254 actions where one key press is two actions. Means that you can record a 128 character long macro.

While a macro is executed it is played with a 1ms delay between each of the actions.

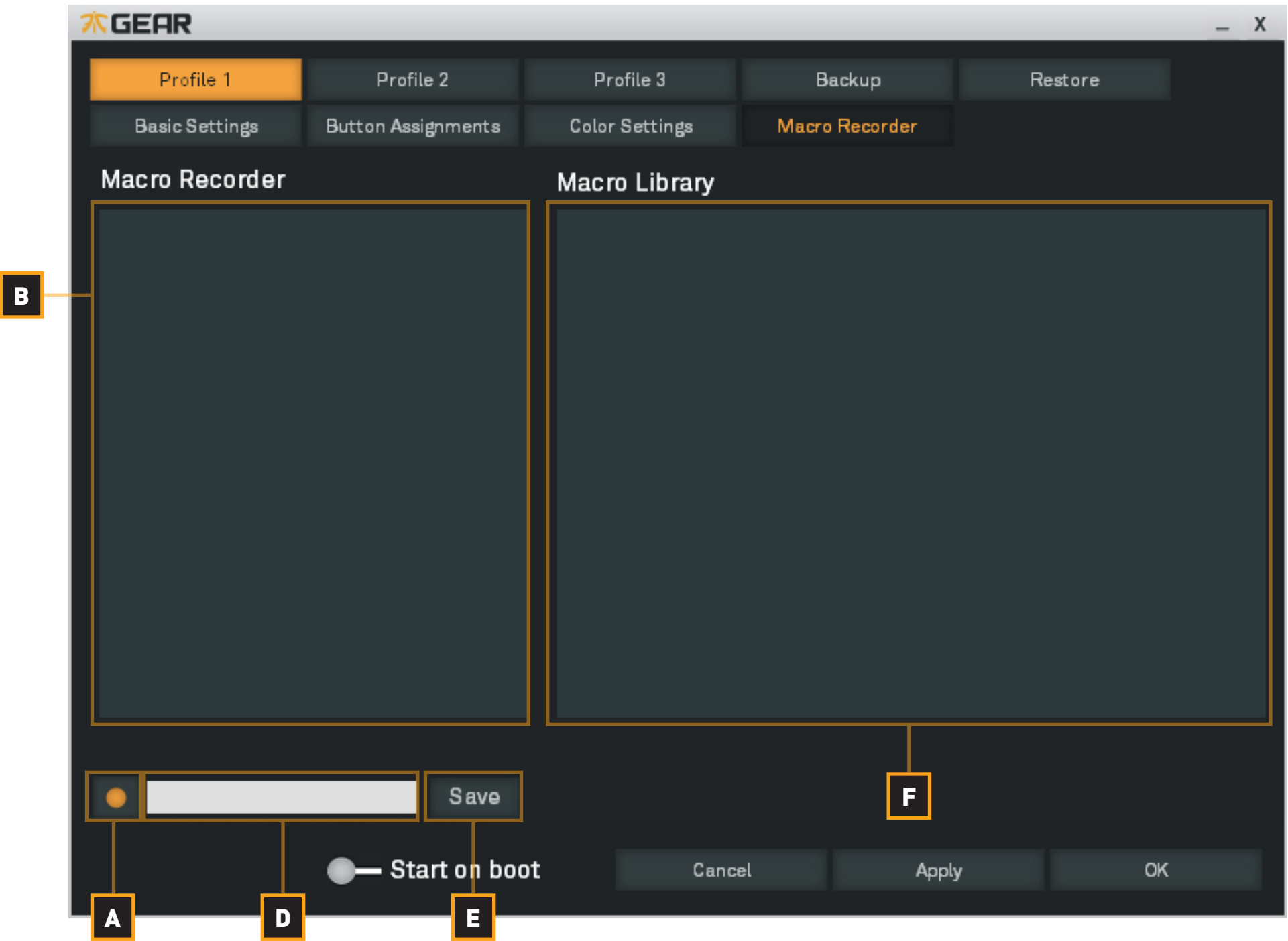
A macro that is eight characters long will execute in 16ms.

How to record a macro

- 1 Press the record button [A].
- 2 Type the macro.
- 3 The recorded keyboard and mouse clicks will be displayed in the Macro Recorder area [B].
- 4 Press the record button a second time [A].
- 5 Type a name in the name field [C].
- 6 Press Save [E].

Macro Library

Recorded macros will be shown in the Macro Library [F] area, where the macros can also be deleted



PRO TIPS

Maintenance

Over countless hours of gaming, the CLUTCH will get dirty due to various reasons. To clean your CLUTCH please disconnect it from the computer and clean it with a damp piece of cloth. Do this every month or so depending on how much you use it.

Trouble-shooting and Support

If you are in need of technical support, go to the Fnatic Gear support section at www.fnaticgear.com.

To speed up the process, please provide your product serial number.

Identify Your Serial

The product serial can be found on bottom of the product, and contains of 15 characters whereas one is a letter.

Example: S/N: 1234A1234567890



WARRANTY TERMS

Fnatic Gear products have a 2-year warranty from the date of purchase. Proof of purchase, with date of purchase are required for warranty claims. The extra warranty is not valid for refurbished or second-hand purchases.

Obtaining Warranty Support

Before submitting a warranty claim, visit the support section at www.fnaticgear.com for technical assistance. Valid warranty claims are generally processed through the point of purchase during the first thirty (30) days following purchase; however, this period of time may vary depending on where you purchased your product – please check with FNATIC GEAR or the retailer where you purchased your product for details.

Warranty claims that cannot be processed through the point of purchase and any other product related questions should be addressed directly to FNATIC GEAR. The addresses and customer service contact information for FNATIC GEAR can be found in the documentation accompanying your product and on the web at www.fnaticgear.com.

Fnatic Limited Hardware Warranty

FNATIC GEAR warrants to the original purchaser that FNATIC GEAR hardware product is free from defects in material and workmanship for the length of time from the date of purchase – specified on the product package and/or contained in the user documentation.

Except where prohibited by applicable law, this warranty is nontransferable and is limited to the original purchaser. This warranty grants specific legal rights; other rights may apply under other variable local laws.

FNATIC GEAR provides its products through a network of distributors and resellers; FNATIC GEAR products cannot be ordered directly from the manufacturer. As products cannot be purchased directly from the manufacturer, FNATIC GEAR is unable to offer warranty services for said products. The reseller shall be responsible for providing warranty services for FNATIC GEAR products and therefor the customer will need to make warranty claims with the reseller. If the reseller is no longer in business or otherwise unable to fulfill warranty obligations,

responsibility for warranty services shall default to – and the customer shall file the warranty claim with -- the distributor.

In the United States, the retailer/reseller will handle warranty replacement for the first 30 days after the date of purchase. FNATIC GEAR will then cover warranty replacement for the remainder of the warranty period.. In the event a FNATIC GEAR product is sold from a company located within the United States to a party or parties outside of the United States, the product warranty is no longer valid and considered void.

Remedies

FNATIC GEAR's entire liability and exclusive remedy for any breach of warranty shall be at FNATIC GEAR's discretion: (1) to repair or replace the hardware, or (2) to refund the price paid, provided that the hardware is returned to the point of purchase or such other place as FNATIC GEAR may direct with a copy of the sales receipt or dated itemized receipt. Shipping and handling charges may apply except where prohibited by applicable law. FNATIC GEAR may, at its option, use new or refurbished or used parts in good working condition to repair or replace any hardware product. Any replacement hardware product will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer or for any additional period of time that may be applicable in your jurisdiction.

This warranty does not cover problems or damage resulting from: (1) accident, abuse, misapplication, or any unauthorized repair, modification or disassembly; (2) improper operation or maintenance, usage not in accordance with product instructions or connection to improper voltage supply; or (3) use of consumables, such as replacement batteries, not supplied by FNATIC GEAR except where such restriction is prohibited by applicable law.

Limitation of Liability

FNATIC GEAR SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, REVENUE OR DATA (WHETHER DIRECT OR INDIRECT) OR COMMERCIAL LOSS FOR BREACH OF ANY

EXPRESS OR IMPLIED WARRANTY ON YOUR PRODUCT EVEN IF FNATIC GEAR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some jurisdictions do not allow the exclusion or limitation of special, indirect, incidental or consequential damages, so the above limitation or exclusion may not apply.

Duration of Implied Warranties

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS HARDWARE PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THE APPLICABLE LIMITED WARRANTY PERIOD FOR YOUR PRODUCT. Some jurisdictions do not allow limitations on implied warranty length, so the above limitation may not apply.

National Statutory Rights

Consumers have legal rights under applicable national legislation governing the sale of consumer goods. Such rights are not affected by the warranties in this Limited Warranty.

No Other Warranties

No FNATIC GEAR dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Warranty Periods

In the European Union, all warranty period less than two years shall be increased to two years.

Company Info

Address:
Fnatic Gear LTD
Crafters House flat 5
76 East Road, LONDON N16AB

Contact: support@fnatic.com

PRODUCT SPECS

Technical Specification

MCU/Processor: Holtek HT68FB560
Main switches: Omron
Sensor: ADNS 3310
Memory: 256 kB
Resolution: 5000 CPI
Frames per second: 6500
Tracking speed: 130 IPS
Max acceleration: 30 G
Report rate: Adjustable, up to 1000Hz
Max acceleration: USB 2.0, Gold plated
(2 m braided cord)

Product Dimensions & Weight

126x68x40 mm
Net weight: 90 g / 0.19 lbs

Retail Package Dimensions

56x160x218 mm
Package weight: 322 g / 0.70 lbs

System Requirements

Windows® compatible
Available USB port
10 MB free space on hard drive

Retail Package Contents

Fnatic Gear CLUTCH
Quick Guide
Fnatic stickers

Country of Origin

China

Compliance

CE, FCC, RCM, RoHS

Warranty Terms

2 Year Warranty from purchase date



