

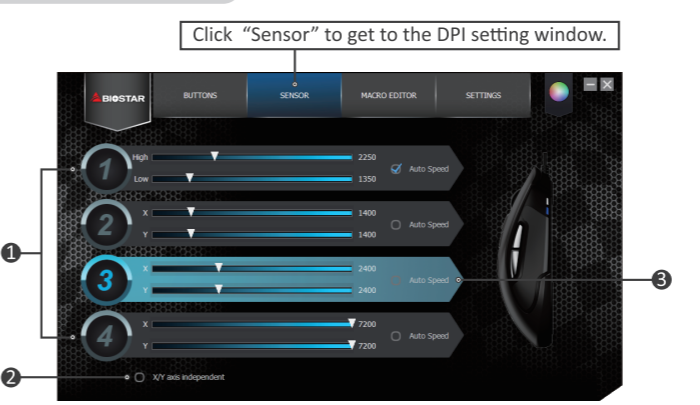
	<p>Insert delay</p> <p>Drag from this icon to where you would like to insert time delay. Delay time can be adjusted by clicking “+” and “-”, or double clicking the inserted delay to enter delay time.</p>
	<p>Insert keyboard, mouse or scroll command</p> <p>Drag from this icon to where you would like to insert keyboard, mouse or scroll command.</p>
	<p>Insert mouse movement</p> <p>Drag from this icon to where you would like to insert a mouse movement. Enter the movement distance by X axis and Y axis. Choose Relative coordinates (cursor will move from where it is) or Absolute Coordinates (cursor will move from the upper left)</p>
	<p>Record Keyboard and mouse commands</p> <p>Click to start recording.</p>
	<p>Stop recording</p>
	<p>Import Macro from file</p>
	<p>Export current Macro to file</p>
	<p>Save Macro</p>
	<p>Clear command list</p>
	<p>Drag a command here to remove it.</p>

B. Light Effect Settings



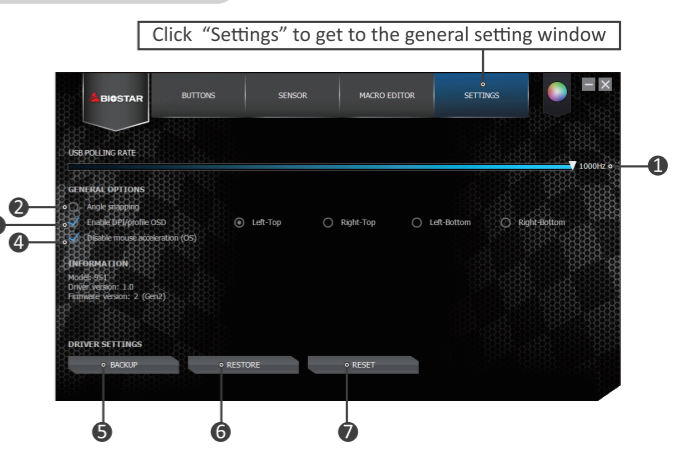
1. Custom : Choose one of the 7 programmable light zones to program. Click it to enter custom color window.
2. Wave : LED colors running change through the 7 light zones.
3. Wave (inverse) : Wave light effects in an inverse direction.
4. Random 1 : Each of the 7 light zones changes color randomly and independently.
5. Random 2 : All the 7 light zones synchronously change colors randomly.

C. DPI Adjustments



1. 4 DPI levels :
 - Default values of 4 DPI levels
 - Level 1: 800 dpi
 - Level 2: 1,600 dpi
 - Level 3: 2,400 dpi
 - Level 4: 7,200 dpi
 - Drag the DPI axis to adjust DPI value between 50 to 7,200 DPI.
2. X / Y axis independent : You may tick the option of “X / Y axis independent” to set different dpi values to X axis and Y axis.
3. Auto-Speed : You may tick the option of “Auto-Speed” to set Auto-Speed range. DPI can be automatically adjusted in this range you set up according to the mouse movement speed.
 - Fast mouse movement --- higher DPI --- more quickly to swipe through the whole screen, especially on 4K high resolution monitor
 - Slow mouse movement --- lower DPI --- more precisely to point a target for a sniper.

D. General Settings



1. USB polling rate : You may adjust the polling rate up to 1000 Hz. The higher polling rate, the more often the computer receives the mouse information, thus increasing mouse reaction speed.
2. Angle snapping : Snapping function helps to move cursor in horizontal or vertical straight lines.
3. Enable DPI/Profile OSD : Display on screen when changing to different DPI or profile. Note: Full-screen games or software don't support the on-screen display for DPI and mode change.
4. Disable Mouse acceleration(OS) : You may choose to disable mouse acceleration in O.S. to have precise control of cursor for First Person Shooting games.
5. Backup : Backup your mouse setting to a file.
6. Restore : Restore mouse setting from a file.
7. Reset : Get back to default setting. Macro will be deleted.

Key cycle

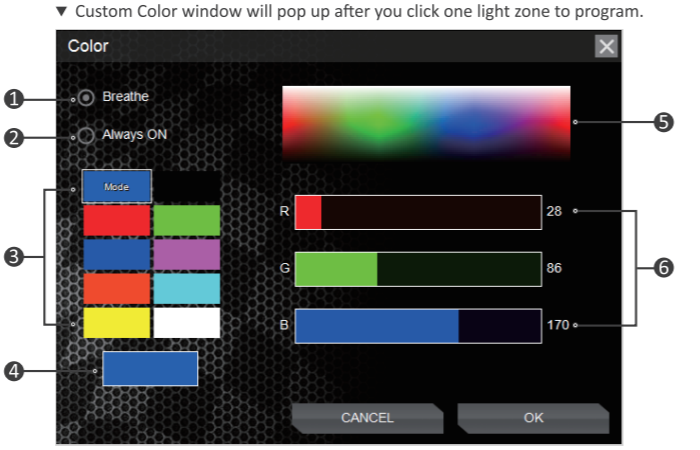
A sequence of up to 5 keyboard keypress can be set onto mouse buttons or scrolls.



1. Cycle : Click or scroll to type out added keypress in sequence.
2. Reverse cycle : Click or scroll to type out added keypress in reverse sequence.
3. Current position : Click to repeat the last acted out keypress.
4. Add : Add a keypress.
5. Clear

Note:

- For each profile, there will be only one sequence of keypress to be set in Key Cycle, which can be applied to all programmable buttons and scrolls. If you change the Key Cycle setting in a certain profile, then it will be automatically applied to all the buttons / scrolls which have been set as Key Cycle function in this profile. Cycle type can be independent for each button.

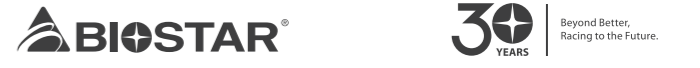


1. Breathe.
2. Always ON.
3. Frequently chosen Colors : For you to quickly choose the most frequently chosen color or mode colors.
4. Chosen color : Real-time show you your chosen color. Click OK to confirm. Light Color Spectrum :
5. Click and hold the left button, moving inside the spectrum to choose light color.
6. Three original color ratio : Real-time show you the Red, Green, Blue color ratio of your chosen color or light zone. You can also horizontally drag the 3 colors to adjust a mixed light color.

Specifications

Sensor IC	PMW 3330
Max. DPI	7200 DPI
Switchable DPI	800-1600-2400-7200 DPI *
Button Switch	Button Micro Switch (50M times)
Frame Rate	8000 fps
Tracking speed	150 IPS
Dimension (L x W x H)	125 x 67.2 x 37.5 mm
Weight	130g
Color	Black
Interface	USB
Cable	Nylon Braided cable 1.8 meter
Operation System	Win 10 / Win 8 / Win 7 / VISTA / Win XP / Win2000

* DPI value can be set up from 50-7200dpi by software.
Software Download:
http://www.biostar.com.tw/app/en/km/introduction.php?S_ID=4#download



GM5

GAMING MOUSE

Product Features

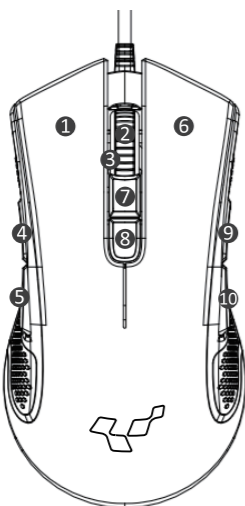
- Unique 8 programmable buttons, 2 programmable scrolls for each of 5 gaming modes to customize your desired scripts.
- Zero Delay, the world's fastest Left / Right button click response time.
- Auto-Speed: DPI can be automatically adjusted in a range you set up.
 - Fast mouse movement --- higher DPI --- more quickly to swipe through the whole screen, especially on 4K high resolution monitor.
 - Slow mouse movement --- lower DPI --- more precisely to point a target for a sniper.
- Unique gaming software tool.
- Using state-of-art Optical IR technology.
- 16 bit ultra-data path for ultimate performance.
- Polling rate up to 1000 Hz. Full speed USB.
- 800 / 1600 / 2400 / 7200 dpi.
- Ultimate sensor (8000 frame rate).
- Tracking Speed: 150 inch/sec.
- Omron Micro Switch life 50 million times.
- Rubber side grip and finger grooves.
- Stylish, ergonomic and comfortable shape.

Note:

- All the information and content about following software are subject to be changed without notice.
- The information and pictures described below are for your reference only. The mouse of actual information and settings may be slightly different from this user's guide.

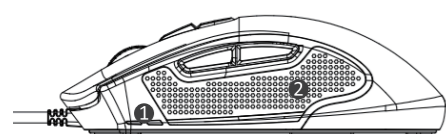
Product Functions

- Left Button
- Wheel Button
- Mode LED indicator
- Forward
- Backward
- Right Button
- Mode switch Button
- Dpi switch Button
- Forward
- Backward



Mode LED indicator

- Colors to indicate gaming profiles
 - Blue light on for profile 3
 - Red light on for profile 1
 - Green light on for profile 2
 - Purple light on for profile 4
 - Cyan light on for profile 5



- DPI LED Indicator
- Side Rubber

DPI LED indicator

- Number of Blue LED at each side to indicate DPI levels
- Both OFF for DPI level 1 : 800 dpi
- Front LED "ON" for DPI level 2 : 1600 dpi
- Rear LED "ON" for DPI level 3 : 2400 dpi
- Both LEDs "ON" for DPI level 4 : 7200 dpi
- For each DPI level, DPI value can be set up from 50~7200 dpi by software

Hardware Installation

Connect the mouse to the USB port.

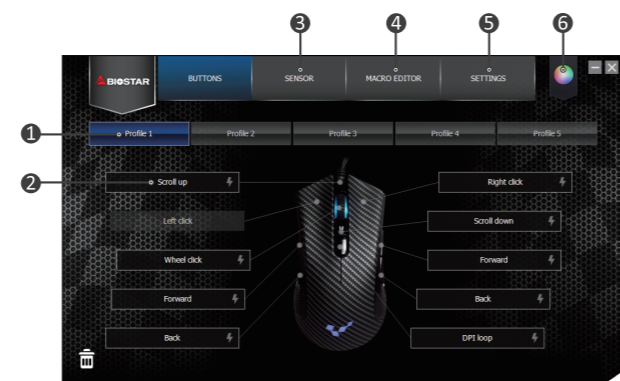
- You may need to wait for around 10~15 seconds for the PC to recognize the mouse for the 1st time usage.

Software Installation

For gaming button settings and dpi value adjustments, please install the gaming software in the accompanied CD.

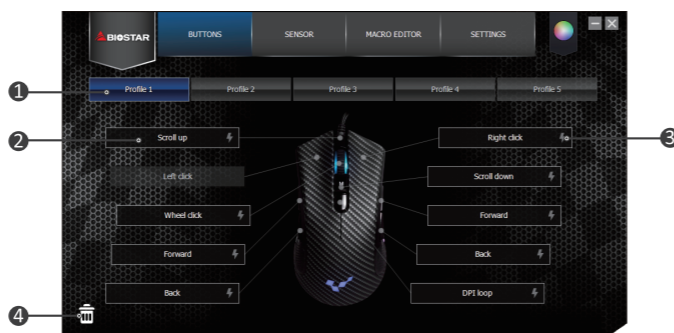
- Software Download:
http://www.biostar.com.tw/app/en/km/introduction.php?S_ID=4#download

Software User Interface

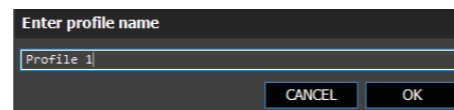


- There are 5 profiles for the mouse. You may define each of the 5 profiles for different games.
- There are 8 programmable buttons and 2 programmable scrolls here for you to customize their functions.
- SENSOR: Click here to enter DPI Setting window.
- MACRO EDITOR: Click here to enter the MACRO EDITOR window.
- SETTINGS: Click here to enter general setting window.
- Light Effects: Click here to enter Light Effects window.

A. Button Settings



- Profile rename:
Profile can be renamed followed by a double click.



- Customizing the buttons:
Click the button you would like to change its function to enter 5 setting options:
 - Mouse Functions
 - Keyboard Functions
 - Advanced Functions
 - Macros
 - Key Cycle

Note:

- Because there must be at least one left button on the mouse, the left button can be programmed only after another button is set as left button.
- Scroll up & down cannot be set as firemode & Loop.
- Some functions may not be applicable to "Scroll up & down" due to its components characteristics.

3. Quick Binding:

Click the icon to quickly apply your desired keyboard keypress or mouse button click.

9 seconds left - Press keyboard or mouse button for quick binding

4. Trash

Drag the button with customized setting to will reset to default. Drag the button with default setting to will disable the function.

Mouse Functions

A selected function will be highlighted, then click "Select" to confirm.



- Fire button:
Press and hold to continue fire.
- On-to-go fire:
Press and hold with another mouse button to continue fire.

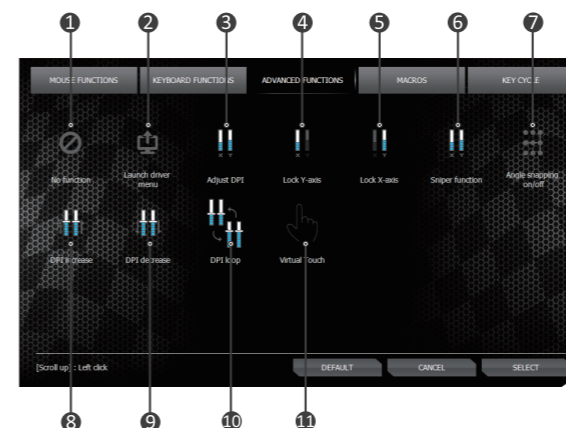
Keyboard & Multimedia Functions

Click the icon(s) of a keyboard key or combo-keys or other media functions as below, and then click "Select" to confirm.



Advanced Functions

A selected function will be highlighted, then click "Select" to confirm.



- No function.
- Launch Driver Menu.
- Adjust DPI :
Click to turn on DPI menu, and then use scroll up / down to adjust DPI. Click to confirm the adjusted DPI.
- Lock Y-axis :
Click and hold to allow cursor to move horizontally only.
- Lock X-axis :
Click and hold to allow cursor to move vertically only.
- Sniper function :
Click and hold to get to a preset DPI. Release to get back to normal DPI.
- Angle-snapping on/off :
Click and hold to help get horizontal or vertical straight lines.
- DPI increase.
- DPI decrease.
- DPI loop
- Virtual Touch (for Windows 8 and above only)
Click mouse button (equal to a finger touching on touch screen) to implement Touch screen function

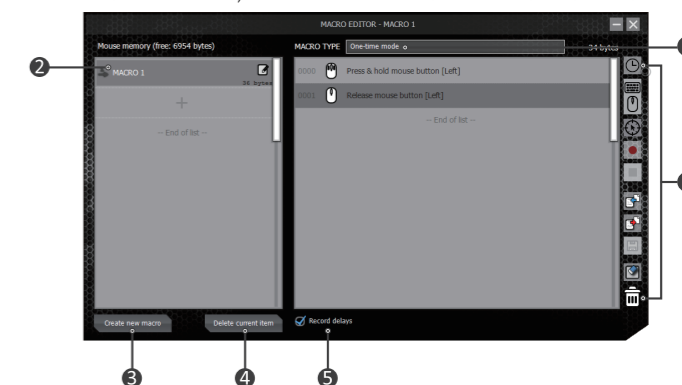
Macros

A Macro is a combination of commands for you to execute complex actions with just one click.

Click a Macro from the Macro list, and then click "Select" to confirm



To create a Macro, click "MACRO EDITOR" to enter Macro editor window.



- Macro Type :
Click to choose one of the Macro Type.
 - One-time mode :
Macro will run once.
 - Loop mode :
Click once to start looping the Macro. Click again to stop.
 - Firekey mode :
Macro will repeat as long as the button is held.
- Macro List.
- Create new Macro.
- Delete current item :
Delete a selected Macro on the Macro List.
- Record delays :
Insert time delay between each command while recording Macro
- Macro Tool Bar. (Read Instructions on the next page)