



## USER MANUAL



## GAMING KEYBOARD **GAMING 8900** **RGB MACRO**

***Congratulations on purchasing the TM REAL-EL keyboard!***

Please read this User's Manual before using the unit and retain this User's Manual in safe place for future reference.

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**PACKAGE CONTENTS**

- Keyboard – 1 pc
- User's Manual – 1 pc
- Warranty card – 1 pc

**SPECIAL FEATURES**

- RGB adjustable backlit
- 18 macro settings
- NKRO (26 keys anti ghosting)
- Abrasion resistant painting
- Quick access to multimedia



**SYSTEM REQUIREMENTS**

- OC Windows XP/Vista/7/8/10.
- Free USB port.

**DESCRIPTION OF SHORTCUT BUTTONS FUNCTIONS**

Fn + F1  Start media player	Fn + F7  Play / Pause
Fn + F2  Volume up	Fn + F8  Go to next track
Fn + F3  Volume down	Fn + F9  Start e-mail program
Fn + F4  Mute on sound volume	Fn + F10  Open home web page
Fn + F5  Stop to playing	Fn + F11  Blocking of all keys
Fn + F6  Go to previous track	Fn + F12  Start / Close Calculator

**EXTRA MODES**

- FN + W : – Change WSAD and vice versa ↑ ↓ ← → ;
  - FN + Scroll lock: – Light to activate backlit breathing effect;
  - FN + Page Up  + /Page Down  -: – Backlight brightness adjustment;
  - FN + INS: – Change backlight color;
  - FN + (1-9): – Change backlight mode;
  - FN + WIN-L: – Lock the windows key;
  - FN + R: Keyboard reset;
  - FN + M: Keyboard normal mode / Gaming mode;
  - 26 key Rollover: Q, A, Z, W, S, X, E, D, C, R, F, V, T, G, B, M, Space,
- ↑(Up), ↓(Down), ←(Left), →(Right), Tab, Ctrl-L, Shift-I, Alt-L, Capslock.

**FN + 2**

- FN + Page Up - Increase the level of illumination;
- FN + Page Down - Reduce the level of illumination;
- FN + ← - Adjust the backlit to left;
- FN + → - Adjust the backlit to right.

**FN + 3**

- FN + Page Up - Increase the backlit speed;
- FN + Page Down - Reduce the backlit speed.

Total 4 level.

**FN + 4***7 color cycle breath*

- FN + Page Up - Increase the backlit speed;
- FN + Page Down - Reduce the backlit speed.

Total 4 level.

- FN + ← - Adjust the backlit to left;
- FN + → - Adjust the backlit to right.

**FN + 5***7 color backlit change*

- FN + 5 - Color backlit change.

**FN + 6**

- FN + ← - Backlit diffuse;
- FN + → - Backlit shrink.

**FN + 7***User-defined*

- FN + 7 - User-defined, the keyboard will flashing 2 times;
- FN + ↑ / FN + ↓ - change the 7 color backlit and off backlit;
- FN + ← / FN + → - Change the user defined area, this keyboard total 6 area;
- FN + Page Up - Increase the backlit brightness;
- FN + Page Down - Reduce the backlit brightness.

Total 4 level.

**FN + 8***Stippling diffuse*

- FN + Page Up - Increase the backlit speed;
- FN + Page Down - Reduce the backlit speed.

Total 4 level.

*Macros record*

M1-M3 – Memory buttons;

G1-G6 – Six macros presets;

MR – Memory record;

Choose required memory button M1-M3;

Press MR button;

Choose macros preset button G1-G6 and start macros record. (Memory capacity up to 30 bytes, up to 30 seconds record time)

To save your macros preset press MR button.

*NKRO 26 keys anti-ghosting:*






“Q” “A” “Z” “W” / “S”, “X”, “E”, “D” / “C”, “R”, “F”, “V” / “T” “G” “B” “M”

“Space”, “↑(UP)”, “↓(Down)”, “←(Left)”, “(Right)→”, “Tab”, “Ctrl-L”, “Shift-L”, “Alt-L”, “Capslock”.

**Note:**

**The user defined result will not save, when the keyboard Power off, after power on, will show the first part red color.**

**INSTALLATION**

- Connect the keyboard to an available USB port of your PC. Installation of the keyboard is automatic after its connection to a PC USB port.
- To activate the Win lock function, press “Fn” and . The overstrike of these keys turns off the Winlock function.
- To switch on backlit press  On/Off key. To increase or decrease the level of backlit press “Fn” and Page Up  /Page Down  - on a keyboard.  On/Off key turns off backlit.
- To control Multimedia, Windows appendixes and Internet, press the “Fn” key + one of the keys of fast access to Multimedia and Internet (see description above).

**TROUBLESHOOTING**

Problem	Solution
The keyboard is not working.	<ol style="list-style-type: none"> <li>1. Disconnect the keyboard from your PC and check connector pins for possible damage. If there is no external damage found and connector pins are OK, connect the keyboard to your PC again.</li> <li>2. We recommend to address the nearest authorized service center.</li> </ol>

**TECHNICAL SPECIFICATIONS**

Parameter, measurement unit	Value
Q-ty of keyboard keys	104 +(G1-G6) +(M1-M3)+MR
Q-ty of shortcut buttons	12 Fn
Keyboard layout	Rus/Ukr/Eng
OS compatibility	Windows XP/Vista/7/8
Interface	USB
Error-free running time	more than 20,000,000 strokes
Dimensions (W × H × L), mm	480 × 40 × 230
Weight, g	1035

**Notes:**

- **Technical specifications given in this table are supplemental information and cannot give occasion to claims.**
- **Technical specifications and package contents are subject to change without notice due to improvement of TM REAL-EL production.**



Model: **GGAMING 8900 RGB MACRO**

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