RGB
ILLUMINATED
16.8 MILLION COLORS

POSEIDON Z FAMILY

We aim to change the current market by offering a full-featured yet budget friendly fully back-lit mechanical keyboard for gamers – something that could get a first time mechanical keyboard user to come on board. However just because a gaming mechanical keyboard is "budget friendly" does not mean it has to be poorly made, the POSEIDON Z RGB can also satisfy the mechanical keyboard enthusiast.

CHALLENGE IS THE GAME

Poseidon Z
RGB

TT CERTIFIED MECHANICAL SWITCH
5YEAR WARRANTY

The Tt eSPORTS Certified Mechanical BLUE and BROWN switches are built for speed and durability. With the BLUEs offering a pronounced tactile feel and audible click feedback, and the BROWNS offering a more subtle balance between tactile feedback and actuation force, while remaining much quieter than the BLUEs. These switches were specially chosen by our pro-gamers and engineers, and we believe in them so much that we're offering the world's first 5 year warranty on a mechanical gaming keyboard.

Tt eSPORTS By Thermaltake
CERTIFIED
Mechanical Switch
5 Year Warranty

Tt CERTIFIED
BLUE SWITCH
50 MILLION KEYSTROKES
☑ Tactile ☑ Clicky ☐ Linear

Tt CERTIFIED
BROWN SWITCH
50 MILLION KEYSTROKES
☑ Tactile ☐ Clicky ☐ Linear

CHALLENGE IS THE GAME

Poseidon Z RGB

FEATURES

◎ Fully 16.8M RGB LED Back-lit Mechanical Keyboard With 5 Levels Of Brightness
◎ Full 104 Layout Keyboard , CLASSIC SHAPE With LIGHT And SLEEK Styling
◎ Upgraded 32 Bit ARM Contex-m0 MCU (Microcontroller Unit)
◎ Disable Windows Key: Turn Windows Key Into CTRL Key
◎ Full Anti-ghosting Keys - No More Worries On Ghost Keys!
◎ USB N-key Rollover Support – Fully N-key Rollover Support Via USB
◎ Switchable N-key Rollover / 6-key Rollover Function
◎ Enhance Benefits Of Per-key 16.8 Million Color Animated Backlighting
◎ Impressive Wave, Ripple, Unique Lighting Effects And Other Splendid Features
◎ Programmable Macro Feature Via Keyboard Software Or On-the-fly
◎ All Keys(besides Win And Fn Key) Can Become A Macro Key In Game Mode , Total Support 510
◎ Macro Sets (5 Profiles X 102 Macros)

CHALLENGE IS THE GAME

Poseidon Z RGB

SYSTEM
COMPATIBILITY

WIN 8 READY

Windows XP, Vista, 7, or 8 are recommended

USB PORT

Requires a PC with a available USB port

30MB STORAGE

Software installation takes up to 30MB of space.

CHALLENGE IS THE GAME

POWERFUL GAME MODE FEAT
ISS FUNCTION

NORMAL MODE STANDARD KEYBOARD

GAME MODE
WIN KEY LOCK · WIN KEY INTO CTRL KEY
ISS FUNCTION PROGRAMMABLE · MACRO KEY

In Normal Mode, POSEIDON Z RGB acts as a standard keyboard without having any macros.
In Game Mode, you can set every key (without Fn and Win key) as a macro key.
You can switch the WINDOWS key to CTRL key with the WIN KEY LOCK button.
The I.S.S. (Instant Shift System) allows users to use either the Shift, Ctrl, or Alt key to quickly switch between macro groups and give immediate access to all 510 macro keys).

Challenge is the game

Poseidon Z
RGB

SILVER METAL PLATE
WITH SHINIER LIGHT

POSEIDON Z RGB used a silver metal plate which placed under our switches and LEDs. The POSEIDON Z RGB keyboard uses Panton 877C color that brighten up the gorgeous colors, differentiate itself from other normal metal plates which often used by others! It brings the amazing colors for astounding appearance!

Poseidon Z

RGB

THE BEST
POSEIDON
SERIES
KEYBOARD

POSEIDON Z RGB not just make more color effect. All hardware feature we add. Such as 6-Key / N-key switch and Macro Record on-the-Fly ...etc. More Hardware feature we put in POSEIDON Z RGB. Everything you want to adjust you can use hotkey to do what you want. There are not just can adjust through keyboard. You can adjust by software too, which makes it user-friendly for everyone!

FULLY ANTI-GHOSTING and
6-KEY / N-KEY ROLLOVER

With the USB N-Key Rollover function, the POSEIDON Z RGB improve more function 6-Key Rollover be compatible MAC OSX.
Full Anti-Ghosting designed to hit combinations of keys at once to make sure your gaming session is as fluid as it can be without obstacles!

CHALLENGE IS THE GAME

KEYBOARD LAYOUT

Music track keys   Volume keys   On-the-fly macro recording   Brightness keys   CTRL/ Windows key switch

Profile switches

N-Key / 6-Key Rollover switch

Poseidon Z

◆ RGB

RGB

ILLUMINATED

16.8 MILLION COLORS

POSEIDON Z RGB gives a spectrum of visual effects featuring 16.8 million colors, not just with an impressive spectrum of colors but with customized lighting controls that allows you to battle in the dark!

PER-KEY ILLUMINATION

Each key is laser engraved, to allow the letters and symbols to light up blue. Using this method, the lettering also will not fade over time.

5 ADJUSTABLE BRIGHTNESS LEVELS

Offering 5 levels of adjustable brightness (Include OFF) that brings style and night-time functionality straight to your desktop.

CHALLENGE IS THE GAME

Poseidon Z RGB

CCFF00 204,255,0 YYS	CCFF33 204,255,51 LYS	333300 51,51,0 OWY	666600 102,102,0 ODY	999900 153,153,0 DFY	CCCC00 204,204,0 DHY	FFFF00 255,255,0 Y	CC9933 204,153,51 MOY	CC6633 204,102,51 MOR	330000 51,0,0 OWR	660000 102,0,0 ODR	990000 153,0,0 OFR	CC0000 204,0,0 DHR	FF0000 255,0,0 R	FF3366 255,51,102 LRP	FF0033 255,0,51 RRP
99FF00 153,255,0 SSY	CCFF66 204,255,102 LSY	99CC33 153,204,51 MSY	666633 102,102,51 OWY	999933 153,153,51 DDY	CCCC33 204,204,51 MFY	FFFF33 255,255,51 LHY	996600 153,102,0 ODY	993300 153,51,0 OCR	663333 102,51,51 OWR	993333 153,51,51 ODR	CC3333 204,51,51 ODR	FF3333 255,51,51 MFR	CC3366 204,51,102 LHR	FF6699 255,102,153 MPR	FF0066 255,0,102 PFR
66FF00 102,255,0 SSG	99FF66 153,255,102 LSG	66CC33 102,204,51 MSG	669900 102,153,0 DSY	999966 153,153,102 MWY	CCCC66 204,204,102 LDY	FFFF66 255,255,102 LFY	996633 153,102,51 DDO	663300 102,51,0 ODO	996666 153,102,102 MWR	CC6666 204,102,102 LDR	FF6666 255,102,102 LFR	990033 153,0,51 OPR	CC3399 204,51,153 MPM	FF66CC 255,102,204 LPM	FF0099 255,0,153 PFM
33FF00 51,255,0 GGS	66FF33 102,255,51 LGS	339900 51,153,0 OSG	66CC00 102,204,0 DHS	99FF33 153,255,51 LHS	CCCC99 204,204,153 LWY	FFFF99 255,255,153 FDY	CC9966 204,153,102 LDO	CC6600 204,102,0 DHO	CC9999 204,153,153 LWR	FF9999 255,153,153 FOR	FF3399 255,51,153 LHP	CC0066 204,0,102 DHP	990066 153,0,102 DFM	FF33CC 255,51,204 LMP	FF00CC 255,0,204 MWP
00CC00 0,204,0 OHG	33CC00 51,204,0 OGS	336600 51,102,0 ODS	669933 102,153,51 ODS	99CC66 153,204,102 LDS	CCFF99 204,255,153 PDS	FFFFCC 255,255,204 FWY	FFCC99 255,204,153 PDO	FF9933 255,153,51 LHO	FFCCCC 255,204,204 PWR	FF99CC 255,153,204 PDP	CC6699 204,102,153 LDP	993366 153,51,102 LDP	660033 102,0,51 OOP	CC0099 204,0,153 DMP	330033 51,0,51 OWM
33CC33 51,204,51	66CC66 102,204,102	00FF00 0,255,0	33FF33 51,255,51	66FF66 102,255,102	99FF99 153,255,153	CCFFCC 204,255,204			CC99CC 204,153,204	996699 153,102,153	993399 153,51,153	990099 153,0,153	663366 102,51,102	660066 102,0,102	

WHAT IS RGB

The RGB model defines a color by giving the intensity level of red, green and blue light that mix together to create a greater color. To form a beautiful RGB color, the three light beams (one red, one green, and one blue) must be overlaid. The RGB color model itself does not meant by red, green, and blue, but it is the results of blending them together to produce colors that are just relative to the primary colors and our POSEIDON Z RGB has built with 3 colors in each LED that make the final color's spectrum!
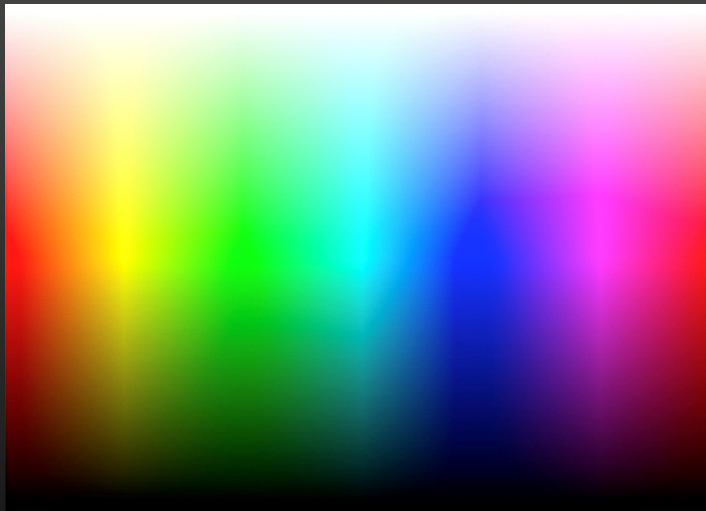
CHALLENGE IS THE GAME
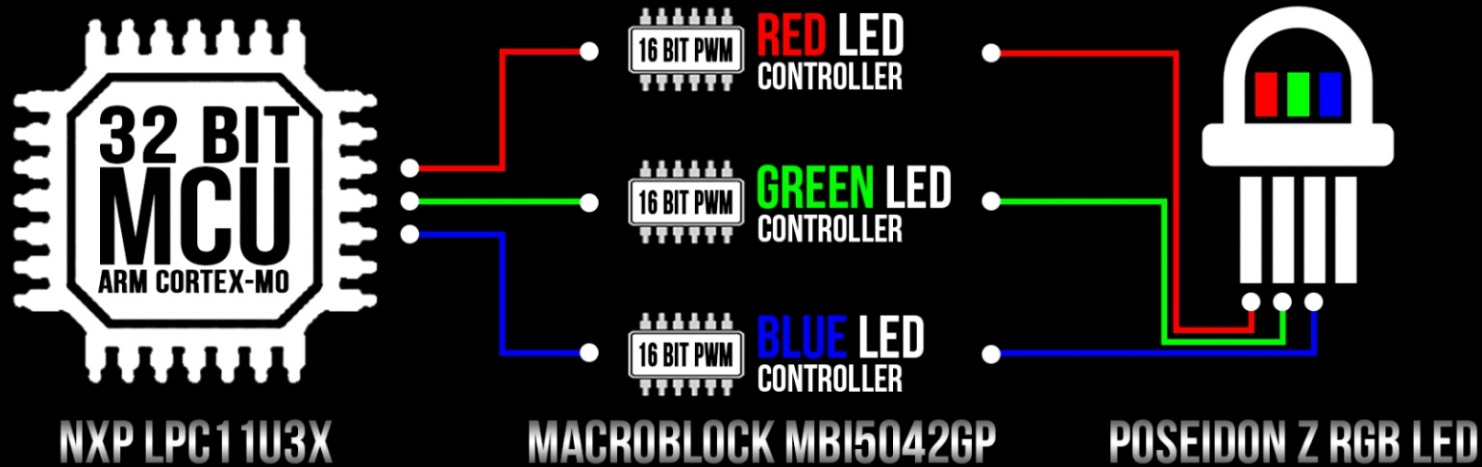
Poseidon Z RGB

THE REAL
16.8 MILLION COLORS

With our new POSEIDON Z RGB, the intensity of each color can vary from 0 to 255, with 0 (zero) indicating the minimum intensity. Gamers can manage the colors (0~255, 0~255, 0~255) with both keyboard and software to produce the stunning colors via the communication with the microcontroller (MCU). The MCU will then send command to the LED Controller to locate each key to deliver the finest color spectrum. POSEIDON Z RGB uses the newest technology for the microcontroller (32BIT ARM CORTAX-M0) and the 3 LED controllers (16 Bit) to control each Red, Green & Blue light. When all 16 bits are used, one of the components (usually green, see below) gets an extra bit, allowing 64 levels of intensity for that component, and a total of 65,536 available colors. POSEIDON Z RGB uses 8-bit for each Red, Green and Blue color (total of 24-bit) with 256 shades of red, 256 shades of green, and 256 shades of blue, equals to 16.8 million colors, giving you the millions of possible colors! * (0~255, 0~255, 0~255) is the Red (0~255), Green (0~255) & Blue (0~255) intensity. For instance, (0, 0, 0) is Black, (255, 255, 255) is White, and (255, 0, 255) is Magenta.

CHALLENGE IS THE GAME

Poseidon Z
RGB

RED LED CONTROLLER

16 BIT PWM

GREEN LED CONTROLLER

16 BIT PWM

BLUE LED CONTROLLER

16 BIT PWM

32 BIT MCU
ARM CORTEX-M0

NXP LPC11U3X

MACROBLOCK MBI5042GP

POSEIDON Z RGB LED
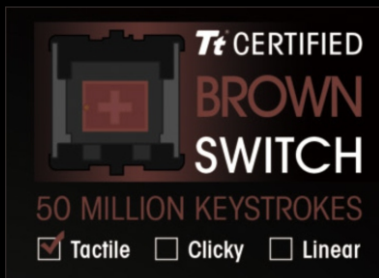
32 BIT ARM MCU WITH EACH OF
16 BIT LED CONTROLLER

With our new POSEIDON Z RGB, the intensity of each color can vary from 0 to 255, with 0 (zero) indicating the minimum intensity. Gamers can manage the colors (0~255, 0~255, 0~255) with both keyboard and software to produce the stunning colors via the communication with the microcontroller (MCU). The MCU will then send command to the LED Controller to locate each key to deliver the finest color spectrum. POSEIDON Z RGB uses the newest technology for the microcontroller (32BIT ARM CORTAX-M0) and the 3 LED controllers (16 Bit) to control each Red, Green & Blue light. When all 16 bits are used, one of the components (usually green, see below) gets an extra bit, allowing 64 levels of intensity for that component, and a total of 65,536 available colors. POSEIDON Z RGB uses 8-bit for each Red, Green and Blue color (total of 24-bit) with 256 shades of red, 256 shades of green, and 256 shades of blue, equals to 16.8 million colors, giving you the millions of possible colors! * (0~255, 0~255, 0~255) is the Red (0~255), Green (0~255) & Blue (0~255) intensity. For instance, (0, 0, 0) is Black, (255, 255, 255) is White, and (255, 0, 255) is Magenta.

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Tt eSPORTS
By Thermaltake

Poseidon Z RGB

Tt CERTIFIED BLUE SWITCH
50 MILLION KEYSTROKES
☑ Tactile ☑ Clicky ☐ Linear

BLUE SWITCH PART NO :
KB-PZR-KLBRUS-01

Tt CERTIFIED BROWN SWITCH
50 MILLION KEYSTROKES
☑ Tactile ☐ Clicky ☐ Linear

BROWN SWITCH PART NO :
KB-PZR-KBBRUS-01

SPECFICATION

COLOR	BLACK
NO. OF MACRO KEYS	Normal Mode : NO
	Game Mode : Full key 102 (besides Fn and Win Key)
NO. OF GAME PROFILES	5
GRAPHICAL UI	Tt GUI
WEIGHT	995 GRAMS
GOLD-PLATED USB	X
DIMENSION	440 x 133 x 37 mm
INTERFACE	USB
MEMBRANE, MECHANICAL, PLUNGER	TT CERTIFIED MECHANICAL BLUE and BROWN
ON-BOARD FAN DEVICE	NO
ANTI-GHOSTING KEYS	YES / N-KEY Rollover and 6-KEY Rollover
ON-BOARD MEMORY SIZE	512KB
POLLING RATE	1000 HZ
BACK-LIGHT	YES, FULL 16.8M RGB LED BACKLIGHT
WRIST REST	NO
ON-BOARD AUDIO JACKS	NO
SMART CABLE MANAGEMENT	YES / 3 WAY
USB CABLE DETACHABLE	NO
MULTIMEDIA KEYS	7
ON-BOARD USB PORT	NO
KEYSTROKE LIFECYCLE	60 MILLION
CABLE LENGTH	1.8M

CHALLENGE IS THE GAME