TECWARE

PHANTOM+ ELITE
RGB MECHANICAL KEYBOARD
87 KEYS

Quick Start Guide

Key Features
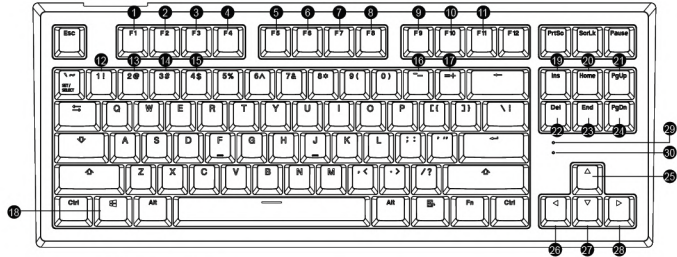
① My Computer	⑨ Volume Mute
② Home	⑩ Volume Decrease
③ Calculator	⑪ Volume Increase
④ Media Player	⑫ BT Device 1
⑤ Reverse	⑬ BT Device 2
⑥ Forward	⑭ BT Device 3
⑦ Play / Pause	⑮ Wireless 2.4G Mode
⑧ Stop	⑯ LED Lighting Direction

⑰ LED Color Selection	㉔ Lighting Mode 6
⑱ Windows Lock	㉕ Brightness Increase
⑲ Lighting Mode 1	㉖ Brightness Decrease
⑳ Lighting Mode 2	㉗ LED Lighting Speed Decrease
㉑ Lighting Mode 3	㉘ LED Lighting Speed Increase
㉒ Lighting Mode 4	㉙ Caps Lock Indicator
㉓ Lighting Mode 5	㉚ Power Indicator

Multimedia Function

Fn + F1
My Computer

Fn + F2
Home

Fn + F3
Calculator

Fn + F4
Media Player

Fn + F5
Reverse

Fn + F6
Forward

Fn + F7
Play / Pause

Fn + F8
Stop

Fn + F9
Voume Mute

Fn + F10
Volume Decrease

Fn + F11
Volume Increase

Fn + ⊞
Windows Lock

Fn + ESC
Reset to Factory Settings
(Hold for 3-5 Seconds)

RGB Controls

Fn + Ins
Lighting Mode 1

Fn + Home
Lighting Mode 2

Fn + PgUp
Lighting Mode 3

Fn + Del
Lighting Mode 4

Fn + End
Lighting Mode 5

Fn + PgDn
Lighting Mode 6

Fn + −−
LED Lighting Direction

Fn + =+
LED Color Selection

Fn + ◄
LED Lighting Speed Decrease

Fn + ►
LED Lighting Speed Increase

Fn + ▲
LED Lighting Brightness Increase

Fn + ▼
LED Lighting Brightness Decrease

Connectivity

Fn + 1! = **Fn + 1!**
BT Device 1

Fn + 2@ = **Fn + 2@**
BT Device 2

Fn + 3# = **Fn + 3#**
BT Device 3

Fn + 4$ = **Fn + 4$**
Wireless 2.4G Mode

Various LED modes can be triggered by Fn + Mode Keys

Lighting Mode 1
[Fn] + [Ins]
① Breathing - Cycle Color
② Breathing - Fixed Color
③ Fixed Color
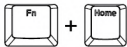
Lighting Mode 2
[Fn] + [Home]
① Reactive - Ripple
② Reactive - Single
③ Reactive - Horizontal
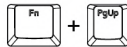
Lighting Mode 3
[Fn] + [PgUp]
① Sine Wave
② Vortex
③ Rain Drops
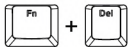
Lighting Mode 4
[Fn] + [Del]
① Horizontal Wave
② Pulse Wave
③ Hurricane
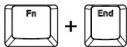
Lighting Mode 5
[Fn] + [End]
① Vertical Wave
② Waterfall
③ Swirl
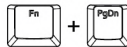
Lighting Mode 6
[Fn] + [PgDn]
① Diagonal Wave
② Fixed Color
③ Ripple

*More modes of functions can be accessed via our software. You can download it at **www.tecware.co***
Software only works with Windows.

BT Pairing

BT Name: "TWPE87 BT 3.0" or "TWPE87 BT 5.0"

1. Press and hold "FN+(1/2/3)" for 3 seconds until LED is blinking.
2. Turn on Bluetooth for the device you wish to connect to and connect to **"TWPE87 BT 3.0"** or **"TWPE87 BT 5.0"**. Depending on which BT mode you would like to use.
3. Once the LED stops blinking, your keyboard is now paired to your device.
4. You can pair up to 3 devices via BT.

Move the switch to BT Mode:
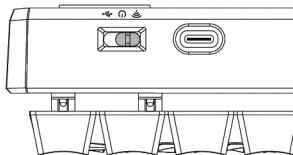
2.4G Wireless Pairing

2.4G Wireless Name: 2.4G Wireless Receiver

1. Press and hold "FN+ 4" for 3 seconds until LED is blinking.
2. Plug the USB dongle into your PC.
3. Once the LED stops blinking, your keyboard is now paired.

Move the switch to Wireless Mode:
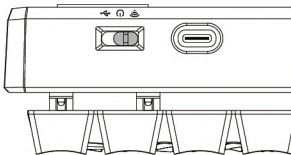
2.4G Mode

Switch Functions

Wired — Off — BT / Wireless

Power Indicator

□ A	□ A	□ A	□ A
🟥 ⚡	🟧 ⚡	🟩 ⚡	⬜ ⚡
0 - 20%	**20 - 50%**	**50 - 90%**	**90 - 100%**
Red LED	Yellow LED	Green LED	White LED

Windows / Mac Mode

🟦 A

□ ⚡

Press and hold FN+Q for 3 seconds until "Caps" Key blinks 5 times.

Reset to Factory Settings
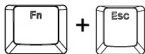
Press and hold "FN+ESC" until the LEDs on your keyboard reset.

Swap Arrow Keys & WASD
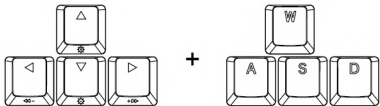
Press and hold "Fn+W" for 3 - 5 seconds to swap Arrow Keys and WASD keys.

Macro

To Create a Macro

STEP 1 : Click on the Macro Management Tab and Click on the "+" sign to create new macro.

STEP 2 : Select the newly created Macro and Type your macro name in the box below. Click on "Rename" to rename the selected macro.

STEP 3 : Click on "REC" to start recording the macro instructions. Click on "STOP" to save macro.

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To Assign a Macro

STEP 1 : Select the "Button settings" Tab.

STEP 2 : Click on the key you would like to assign the macro and select "Macro Function".

STEP 3 : Select the macro you selected and choose the prefered releasing method.

STEP 4 : Press"Save Icon" to save settings.
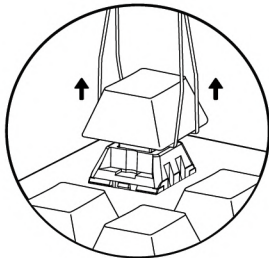
STEP 1 : Keycap Removal

Use the supplied keycap puller and press down on to the keycap to secure the puller on it. Pull the keycap puller directly upwards to remove the keycap. If the switch is removed as well, simply pull the keycap off the switch and just reattach the switch on to the keyboard.
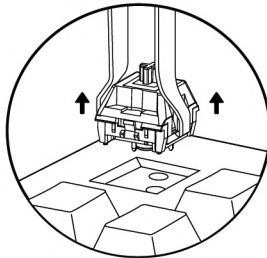
STEP 2 : Switch Removal

Rotate the switch puller too to a vertical position to coincide with the switch locks located at the top and bottom of each switch. Push the switch locks in and pull the switch puller directly upwards. We suggest to take extra care when removing switches so as not to bend the switch pins. Please also take extra caution so as not to scratch the keyboard's backplate.
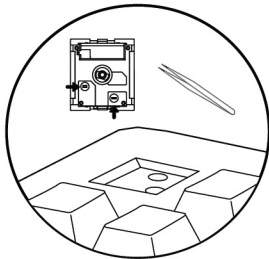
STEP 3 : Check switch pins

Please inspect each switch to make sure the switch pins are straight before inserting them to the keyboard. Make necessary adjustments if needed as inserting them with bent switch pins may further damage the switch.
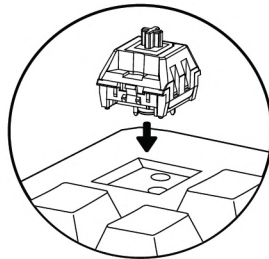
STEP 4 : Inserting a new switch.

Align the switch pins to the holes of the keyboard. The switch will snap on to place and test immediately for response.

FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
   (1) This device may not cause harmful interference, and
   (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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RF Warning Statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Remark:
FCC ID for keyboard: 2BMK5-PHANTOMELITE
FCC ID for dongle:2BMK5-PE87-D

TECWARE