Specification

1   Description

1.1 Overview

RGB 2-block 89 keys wired mechanical keyboard

1.2 Features

Τhis wired professional mechanical backlight gaming keyboard is suitable for personal users.

◅ 18 backlight modes selectable;

◅ Adjust brightness and speed freely;

◅ Support fully anti-ghosting;

2. Hardware Spec.

2.1 Cosmetic Spec

2.1.1 Keyboard

Size：373*155*39mm ±2mm；

Weight：1.10 Kg±30g

2.2 Environmental specifications

2.2.1 Operating Environmental

Working temperature	-5~ +45℃
Storage temperature	-20 ~ +60℃
Working humidity	10 ~ 90 % RH

Storage humidity	5 ～ 95 % RH

2.2.2 Available Voltage range

Parameter	MIN	MAX	Unit
Input (Tx)	4.	5.5	V

2.3 Main components specification

2.3.1 Keyboard

Name of components	Specification
Top case	Black alumina
Bottom case	ABS
Keycaps	Double injection/ laser
Feet	Double injection
Extra weight/Middle case	Metal (optional)
Pad	Black rubber
LOGO	laser/silkscreen/metal name plate
Rating label	PET
MCU	WTU811
Backlight	RGB
Cable	1.8 meter full length

2.4 Mechanical properties

2.4.1 The standard keycaps of the keyboard
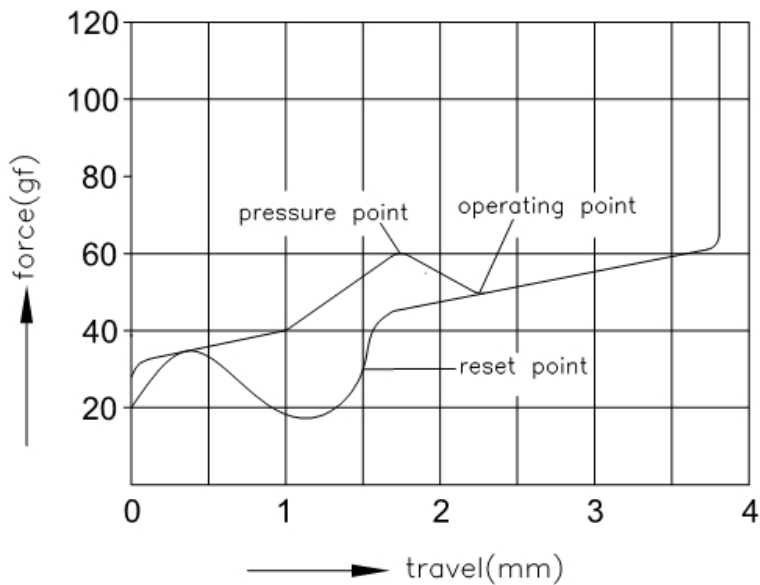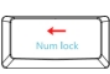
Fp loading	60±5gf
Work travel（Conductive travel）	2.2±0.6mm
Tactile Travel	1.8±0.5mm
Paragraph=(Fp-Fc)/Fp*100%	(60-90)%
Maximum travel (120g)	3.8±0.2mm
Lifetime of switches	5000W, Outemu

2.5 Electrical spec

2.5.1 Basic function

Definition of RGB Electrical Function			
Insert USB and power on, 18 kinds of backlight modes cycled: Waving to the Right side (default) - LED always ON - 7-color cycled breathing - single click to light up - rotating horse racing - Spectrum of waving - waving to the middle zone - Ripple - Surfing - 3 glowing fish - Love Artifact - Colorful Fountain - Traffic LED - Gluttonous Snake - Dancing - Cross surfing - Neon - Random Waving			
A	**FN+**multi media hotkey	short cut key	shortcut key
		Fn+ [F1 ♫] = music	FN+ [F6 ⏮] = previous song

	Fn+ [F2 ◄-] = volume -		Fn+ [F7 ►II] = play/pause
	Fn+ [F3 ◄+] = volume +		FN+ [F8 ►►I] = next song
	Fn+ [F4 ◄x] = mute		FN+ [F9] = backlight mode change
	Fn+ [← Num lock] = Num lock/unlock		FN+ [F12 PrtSc] = Printscreen
			FN+ [F10 ScrLk] = Scroll lock/unlock
			FN+ [F11 Pause] = Pause

		Short cut key	Function	Status
B	**FN+**Keyboard lock functional keys	Fn+ [⊞ 🔒]	Lock/Unlock Win and APP	After lock the win key, this keyboard will be no function, press again, it will be unlock
		FN+ [F9]	Lighting mode switch	The default mode , wave to the right
		Fn+ [←]	LED Speed down	5-level of speed, only work when under dynamic backlight modes;
		FN+ [→]	LED Speed up	5-level of speed, only work when under dynamic backlight modes;
		Fn+ [↑]	Increase LED brightness	5-level, works under all backlight modes;
		Fn+ [↓]	Decrease LED brightness	5-level, works under all backlight modes;
		Fn+ [- _]	Single color switch（forward）	Only works when under backlight modes of LED always ON, 7-color cycled breathing,single click to light up, spectrum waving, ripple and Dancing
		Fn+ [= +]	Single color switch (Backward)	Only works when under backlight modes of LED always ON, 7-color cycled breathing,single click to light up, spectrum waving, ripple and Dancing
		Fn+ [\ :]	side RGB switch	Horse racing(default)/LED always ON (6-color)/Neon/LED OFF

2.5.2 Main Parameter of the keyboard

    1) Working voltage : 5V±0.5V

    2) Working current: ≦300Ma

    3) Input method: USB

    4) Backlight customized function (with driver)

By press FN + to exchange the backlight modes.

3. Software

  3.1 Driver

     ☑ YES   □ NO

4. system requirement

  XP/Vista/Vista 64/Win7/Win7 64/WIN8/WIN10