

GRAM_{X5} ***MECHANICAL KEYBOARD***

The design of a model keystroke



Non-slip rubber grips



Highlighting ultra-low profile mechanical switches



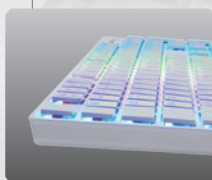
6-key and N-key rollover options



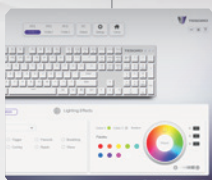
Full key customization & Instant Macro Recording



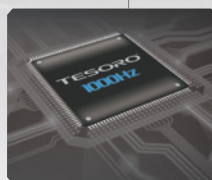
Extreme reliability with every keystroke



Presenting a beautiful, slim keyboard design



Intuitive software design



Delivering precise actuation for optimized operation

Break the Rules. Embrace Innovation.

www.tesorotec.com

Package Contents

- Tesoro GRAM XS Mechanical Keyboard
- Quick Start Guide

System Requirements

- PC with USB port
- Windows Vista / 7 / 8 / 10
- Internet connection for the software download

Specifications

Switch Type	Ultra-slim mechanical switch – Blue and Red switch options	Backlit	16.8M RGB
Keyboard Colour	Black/White	Lighting Effects	Per key customizable illumination
Actuation Distance	Blue: 1.1 +/- 0.4mm Red: 1.1 +/- 0.4mm	Multimedia keys	6
Operation Force	Blue: 40 +/- 10gf Red: 45 +/- 15gf	Cable	1.8 meter detachable micro USB cable
Pressure Force	Blue: 50 +/- 15gf Red: nil	System Requirements	WIN 7 / WIN 8 / WIN 10 x86 and x64, PC System with USB Port, Internet connection for the software download
Travel Distance	Blue: 3.0 +/- 0.3mm Red: 3.0 +/- 0.3mm	Warranty	1 year
Processor	32bit ARM Cortex Processor	Product dimensions (WxHxD)	450 x 126.5 x 24 mm
Memory	MCU 32KB + Flash 4Mbit	Package dimensions (WxHxD)	500 x 201 x 39 mm
Keystroke lifecycle	10 million+	Product Weight (w/ cable)	800 g
Ultra-polling rate	1000hz	Product Weight (with packaging)	1175 g
Connection	USB 2.0 Full Speed		
Key rollover	6-key / N-key options		

Product name	EAN	UPC	Model NO
GRAM XS – Black (BL)	0732330415857	732330415857	TS-G12ULP B (BL)
GRAM XS – Black (RD)	0732330415864	732330415864	TS-G12ULP B (RD)
GRAM XS – White (BL)	0732330415871	732330415871	TS-G12ULP W (BL)
GRAM XS – White (RD)	0732330415888	732330415888	TS-G12ULP W (RD)

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