

X2 CL instructions

1. Introduction

Project Name: X2 CL

This project is for the development of an ultra-light weight, high-performance gaming mouse.
The target weight for the mouse (without the PTFE Feet) is 32g~35g(Maximum) using 200mA ~ 270mA Battery.
This mouse will feature ultralight weight, 8K wireless/1k wired Polling Rate with very minimum click latency, also will work on web-based software.
Since it features 8K polling rate, this needs extremely accurate battery indication. So for the PCBA design, must feature “multi-meter”

2. Specification

Shape:	Pulsar X2 Mini
Size:	Size 1 Mini
Material:	Plastic
Weight:	about 35g
Sensor:	Pulsar XS1
Main Click:	FE Optical
Encoder:	Pulsar Blue (Fswitch)
Battery:	200mA (KC Certified Light Weight)
Skate:	0.6mm PTFE
Polling:	8K Wireless / 1K Wired
Connection:	2.4GHz Wireless / USB-C Wired
App:	Web-Based Software
Certification:	KC, TELEC, FCC, CE, UKCA AU, MALAYSIA, INDONESIA, TAIWAN

3. Features

- Works with Web-based Software
- DPI Button Preset : 400 / **800 (Default)** / 1600 / 3200/ 6400 / 12800
- DPI Preset Color:



- Polling Rate: Wireless 250Hz / 500Hz / **1000Hz (Default)** / 2000Hz / 4000Hz / 8000Hz
- Polling Rate: Wired 250Hz / 500Hz / **1000Hz**
- LOD: 0.7mm / **1mm (Default)** / 2mm
- DPI Steps = 10 Dpi
- Coating (Latest grip coating)

4. Inclusive

Mouse	x 1
USB-C Cable	x 1
8K Dongle	x 1
PTFE Skate Set	x 1 (Dots)
User Manual	x 1
Brand Sticker	x 1
Trading Card	x 1

Thank you for your patronage!

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.

Any 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.

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