Firmware Modification Project Delivery Report

Project Overview

Date: February 15, 2025

Client: Esse Cortinovis

Objectives

- Modify Wahoo KICKR V6 Smart Trainer firmware
- Modify Favero Assioma Shi Duo Power Meter firmware
- 20% power output increase while maintaining original device names
- Bluetooth transmission to third-party PC application

Technical Approach

Proposed Solution

- Raspberry Pi-based Bluetooth bridge
- Real-time data interception & modification
- MAC address cloning & broadcast suppression

Challenges

Challenge	Impact
Hardware Unavailability	Physical access required for reverse engineering

Firmware Encryption	Manufacturer security measures
Regulatory Compliance	Potential legal/ethical issues

Project Status

> **Termination Notice**
>
> **Reason:** Insurmountable technical/logistical barriers
>
> **Date:** February 13, 2025

Work Completed

- Feasibility analysis completed
- Component list drafted
- Technical strategy outlined

Refund Agreement

Total Fee	Refund Amount	Status
$350	$250	Client approved

Partial refund issued for completed research and analysis work

Appendices

Device Specifications

- Wahoo KICKR V6 - Bluetooth ID: KIKCR 5AEB
- Favero Assioma - Bluetooth ID: POWER-2342

Risk Disclosure

- Potential warranty violations
- Measurement accuracy concerns
- Regulatory non-compliance risks

Prepared by: ishtiyaq Ahmad

Contact: ishtiiyakaa@gmail.com

also if you think that the amount is too big then you can request another refund i will happily accept it