

Joystick Prototype – Player Control System

This folder contains documentation of the first physical joystick prototype used to control a single figurine in Arena: Legacy Reborn.

🛠️ Hardware Description

- Based on analog joystick module (PS3 style)
- 4 colored push buttons (red, green, yellow, blue)
- Mounted on a flat surface, intended for one hand control
- Designed to send inputs to Arduino for:
 - Directional movement (joystick)
 - Four active spells (buttons)

🧪 Testing Notes

This is the first physical setup to control one champion.

A second identical unit will be used for dual control (2v2 PvP setup).

System will be integrated with LED feedback and spell casting logic in firmware.

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