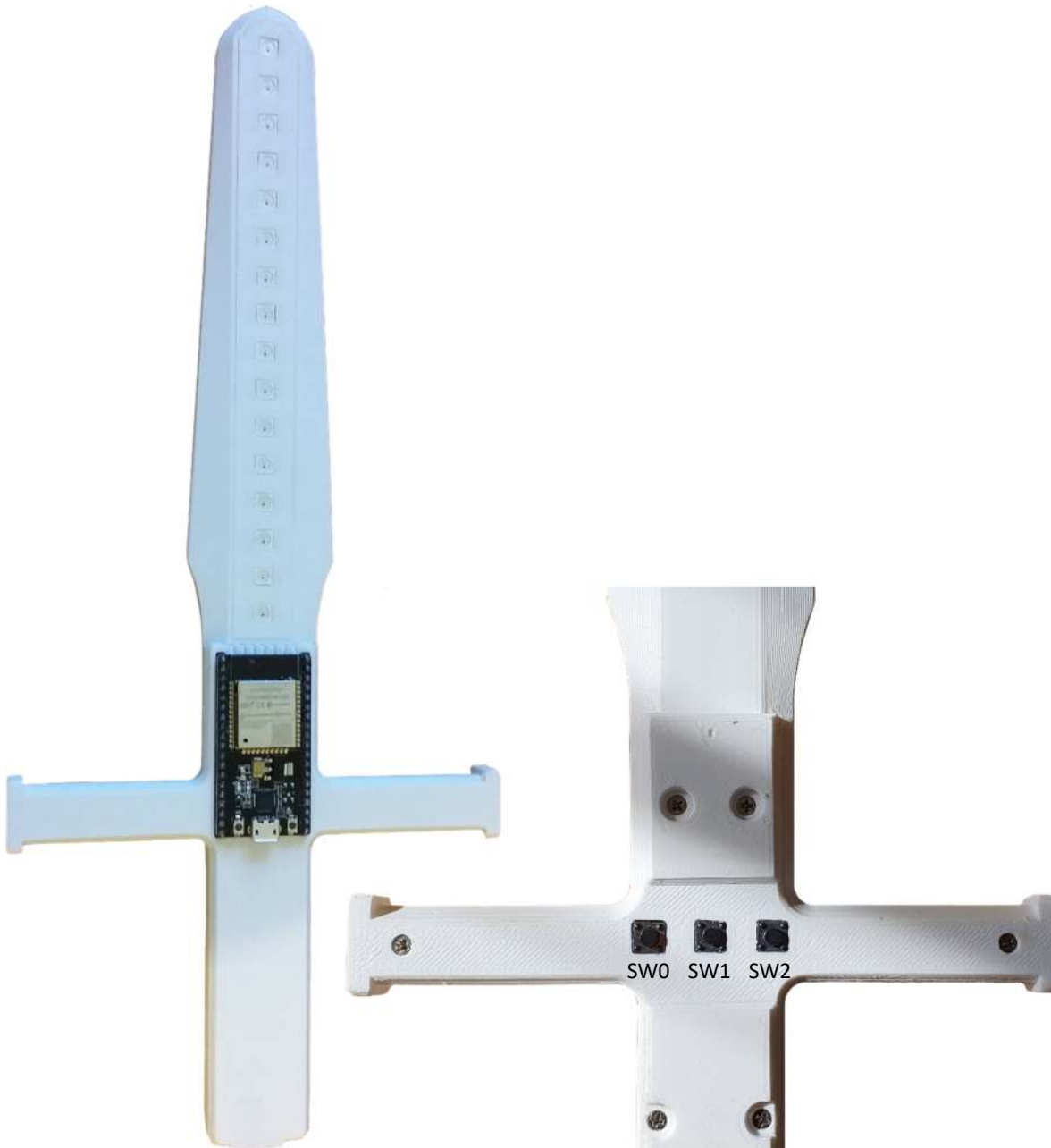


Magic Sword II Demo – Functions



Underside

Tech:

- ESP32 mico
- 16 RGB LEDs
- MPU6050 3-axis gyro & accelerometer (250 rps)
- 3 x push button switches
- 3v DC-DC regulators
- 3-D printed construction

Features:

- Random patterns
- Motion sensing
- TDM waving

Functions:

- SW0 increases LED pattern speed.
- SW1 (horizontal) selects LED mode:
 - 0 - default random pattern
 - 1 - fixed pattern sequence
 - 2 - random patterns and speeds
 - 3 - accelerometer bars X,Y,Z
 - 4 - accelerometer moving stripes
 - 5 - random fixed patterns if moving
 - 6 - faster random colours if moving
 - 7 - test tasks
- SW1 (vertical) selects TDM mode.
- SW2 decreases LED pattern speed.