

# G1- EStop Module

## Quick Start Guide

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### Before You Begin

- Ensure the robot is powered OFF
  - Ensure the remote is charged
  - Install the receiver inside the robot (see full manual)
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### Setup

#### 1. Power ON Remote

Press the side button

→ Green LED flashes slowly (searching for robot)

#### 2. Power ON Robot

→ Green LED turns solid (connected)

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### Status Indicators

#### Green LED

- Slow flash → Not connected
- Solid → Connected
- Fast flash → Emergency triggered

#### Red LED

- ON → Remote powered
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## **Emergency Stop**

Press the **red button**

- Robot enters **damping mode**
- Robot head LED turns red
- Motion is immediately stopped

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## **Recovery**

- Power OFF the robot
- Power ON again

 Remote reset is not available

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## **How It Works**

- Wireless communication (2.4 GHz ESP-NOW)
- Keep-alive signal: 4 Hz
- If signal is lost (>2s) → automatic emergency stop

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## **Battery**

- Li-ion 1600 mAh
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- 24h operation
- USB-C charging (5V)

 Remote beeps when battery is low

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## **Range**

- Up to ~100 m (line-of-sight)
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## **Important Safety Notes**

- Indoor use only
  - Wireless systems may be affected by interference
  - Loss of signal = emergency stop
  - Always maintain visual control of the robot
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## **Need More Info?**

Refer to the full **G1-EStop Module User Manual**