



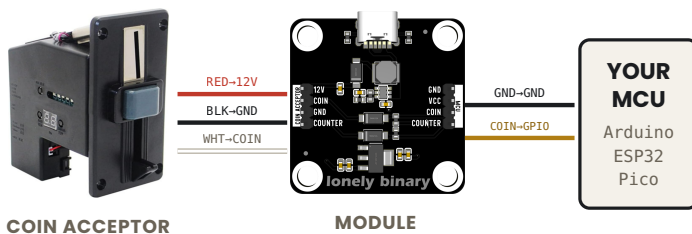
1 Power the module

Plug a USB Type-C power adapter into the module. It boosts 5V up to the 12V the coin acceptor needs.

REQUIREMENT	VALUE
Power adapter	5V / 2A minimum
Coin acceptor draw	12V / 350mA

Don't power from a laptop USB port. Most can't supply 2A — the acceptor will restart, flicker, or miss coins.

2 Connect the wires



3.3V or 5V? The module outputs 3.3V by default. For 5V boards (e.g. Arduino UNO), switch the 5V / 3V3 pads on the back of the module to 5V.

While uploading code from your computer: connect only GND + COIN — leave VCC off. Once your code works, unplug the computer, then connect VCC so the module powers the MCU.

Optional grey wire (Counter): one pulse per accepted coin, no value info. Safe to leave unconnected.

3 Set the switches

On the side of the coin acceptor, set:

SWITCH	SETTING
Output mode	NO (Normally Open)
Signal width	Medium (50ms) — best balance

4 Set coin values

- Hold **+** and **-** together for 2 seconds. The display shows **E**.
- Press **+** to choose how many coin types you'll use (up to 6), then press **SET**.
- For each coin (**P1**, **P2**, **P3** ...) choose its pulse value and press **SET**. Done when the display returns to **E**.

COIN (EXAMPLE)	DISPLAY	PULSES
5 cents	P1	1
25 cents	P2	3
1 dollar	P3	5

Keep pulse values low. Each pulse takes 50ms in Medium mode — a 20-pulse coin needs a full second before the next coin can be read. Low values (1 / 3 / 5) keep things fast and reliable.

5 Train it with real coins

Training teaches the acceptor to recognize each coin.

- Press **SET** → display shows **A**. Press **SET** again → **A1**.
- Insert exactly **15 coins** of type 1 (e.g. 15 × 5¢), then press **SET**.
- Repeat for **A2**, **A3** ... — 15 coins of each type, **SET** after each.
- Done!** Insert a few coins to test. Your MCU counts pulses on the COIN pin to tell coins apart.

Inserting coins quickly? Wait for each coin's pulses to finish, or coins may be missed — that's normal. Fast mode (20ms) + low pulse values speeds this up.

Quick fixes

Keeps restarting	Power adapter can't supply 2A, or poor USB cable / loose wiring. Use a quality 5V 2A+ adapter.
Coins not detected	Re-check training, output mode = NO, signal width = Medium, and the COIN wire's MCU pin.
Some coins missed	Pulse values too high or coins inserted too fast. Lower the values and pause between coins.



Sample code, full manual & more
Scan or visit:
github.com/lonely-binary/Coin-Acceptor