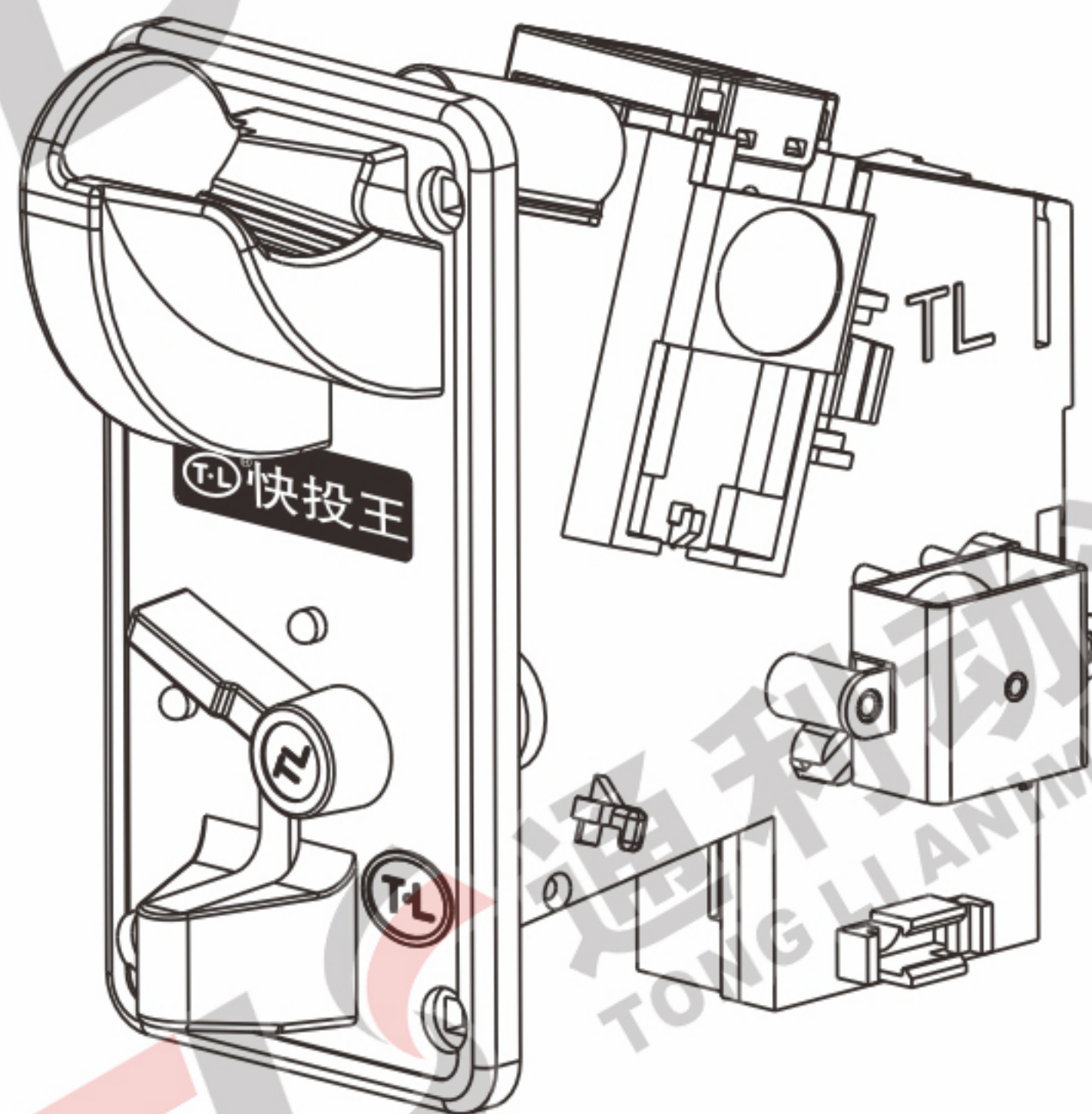


# 用户指南

Revision: 14-6-25



**TW-930(侧投式)**

※此产品仅游戏类代币适用，不支持流通货币使用。

- 感谢您购买
- 在使用前，请务必阅读此说明书。

## 一、产品规格：

工作温度： $-15^{\circ}\text{C} \sim +50^{\circ}\text{C}$

硬币直径： $22\text{mm} \sim 28\text{mm}$

硬币厚度： $1.7\text{mm} \sim 2.2\text{mm}$

输入： $12\text{V} \text{ } \overline{\text{---}} \text{ } 60\text{mA}$

COIN信号输出：0. C (集电极开路)形式

## 二、产品特点：

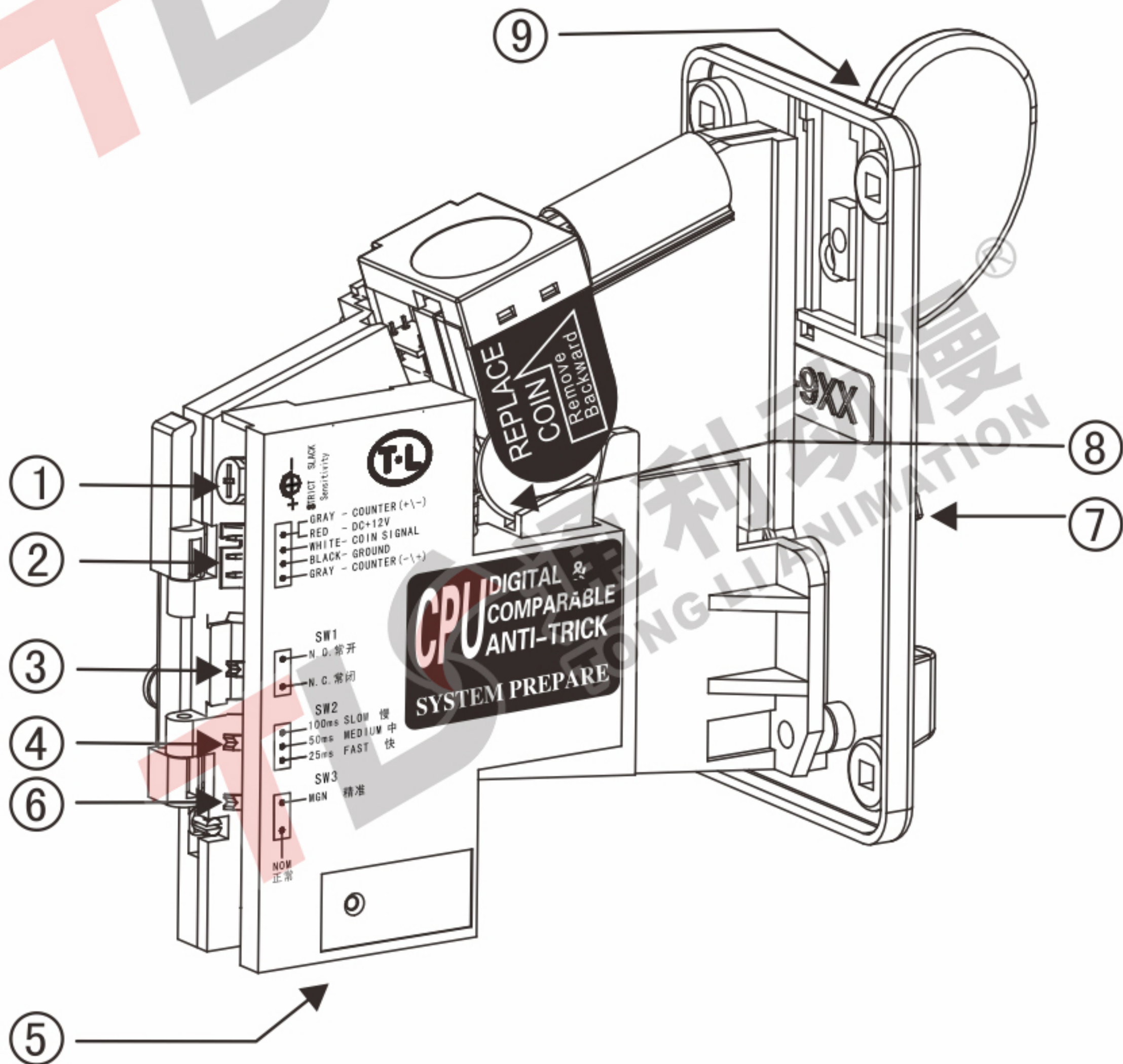
1. 适用于各种代币。
2. CPU程序控制，计分准确。
3. 独特防电磁干扰程序。
4. 内置检测硬币大小程序。
5. 开机自检提示声，钓鱼报警。
6. 特设精准/正常档，投币更顺畅。
7. 翻盖装置，彻底解决卡币和堵币。
8. 新增高速投币口结构设计，投币更快捷。

## 三、使用说明：

1. 请将夹在币槽内的塑料币取下，换上要使用的硬币。
2. 配合主机板需要，切换COIN极性开关(SW1)，一般转灯类的电脑板使用常闭档(N. C.)，其它电脑板用常开档(N. O.)。
3. 配合主机板需要，切换COIN时间开关(SW2)：快档(20ms)，中档(40ms)适用于一般的机台，慢档(100ms)适用于娱乐机台。
4. VR旋钮是硬币筛选的敏感度调整旋钮，顺时针调整则选币较松，逆时针调整则选币较严，一般不需要调整，出厂时已调整合适。
5. 如过币不顺畅，将精度开关(SW3)拨为正常位，或顺时针调整VR精度旋钮。
6. 投币器通电时会发出“滴”的一声响，表示进入正常工作状态。如无“滴”声或“滴”很多声，则表示有故障。

四、产品结构部件说明(如下表和图示:)

| 序号 | 部件名称      | 功能描述                                 | 出厂默认值      |
|----|-----------|--------------------------------------|------------|
| 1  | VR旋钮      | 调整硬币敏感度：顺时针(宽松)，逆时针(严格)              |            |
| 2  | 电源插座      | 接DC+12V电源线、COIN信号线                   |            |
| 3  | 极性开关(SW1) | 根据需要, 调为常开(N. O.), 或常闭(N. C.)        | 常闭(N. C.)  |
| 4  | 时间开关(SW2) | 根据需要, 可调为快(Fast), 中(Medium), 慢(Slow) | 中档(Medium) |
| 5  | 出币口       | 真币最终出口                               |            |
| 6  | 精度开关(SW3) | 调整硬币筛选精度                             | 正常(NOM)    |
| 7  | 面板拨手      | 卡币时可往下拨动, 使卡币退出                      |            |
| 8  | 塑料币(样币)   | 依标签箭头所示推开, 必须换上自己所要用的硬币              |            |
| 9  | 快速投币口     | 可同时放入12枚硬币, 实现快速投放                   |            |



## 五、常见故障处理：(如下表)

| 序号 | 常见故障    | 处理方法                                                                                              |
|----|---------|---------------------------------------------------------------------------------------------------|
| 1  | 不计分     | 1. 信号线没接好 2. 接线不正确 3. 投币器电源插头线是否接触不良 4. 电脑板(信号接收端)没接上拉电阻 5.COIN极性开关(SW1)档位不正确 6. 调整COIN时间开关(SW2)。 |
| 2  | 吃币(少计分) | 1. 调整COIN时间开关(SW2) 2. 投币器币道中有杂物 3. 出币口过币不通畅 4. 翻盖未合拢                                              |
| 3  | 多计分     | 1. 调整COIN时间开关 2. 出币口过币不通畅 3. 投币器电源插头线松动 4. COIN极性开关不良                                             |
| 4  | 不顺畅     | 1. 顺时针调整VR旋钮 2. 精度开关(SW3)拨向正常档 3. 样币是否夹好，换个样币试试                                                   |
| 5  | 不过币     | 1. 投币器电源插头线没连接或接触不良 2. 接线不正确 3. 币道中有杂物 4. 样币没夹好                                                   |
| 6  | 过假币     | 1. 逆时针调整VR精度旋钮 2. 精度开关(SW3)拨到精准档                                                                  |
| 7  | 无声或很多声  | 1. 币道中有杂物 2. 投币器电源插头线接触不良                                                                         |
| 8  | 卡币      | 1. 卡币时拨动面板拨手、翻开投币器的侧盖、将夹放样币的感应线圈向上提起，使阻塞币滑下 2. 清除币道的杂物 3. 检查翻盖是否未合拢                               |

## 六、接线说明：

- 1) 灰线——  
       红线——DC+12V  
 2) 白线——COIN信号  
 3) 黑线——接地线  
 4) 灰线——
- 

**※注：** 请将本说明书放在机台内，方便使用者更清楚了解使用方法。

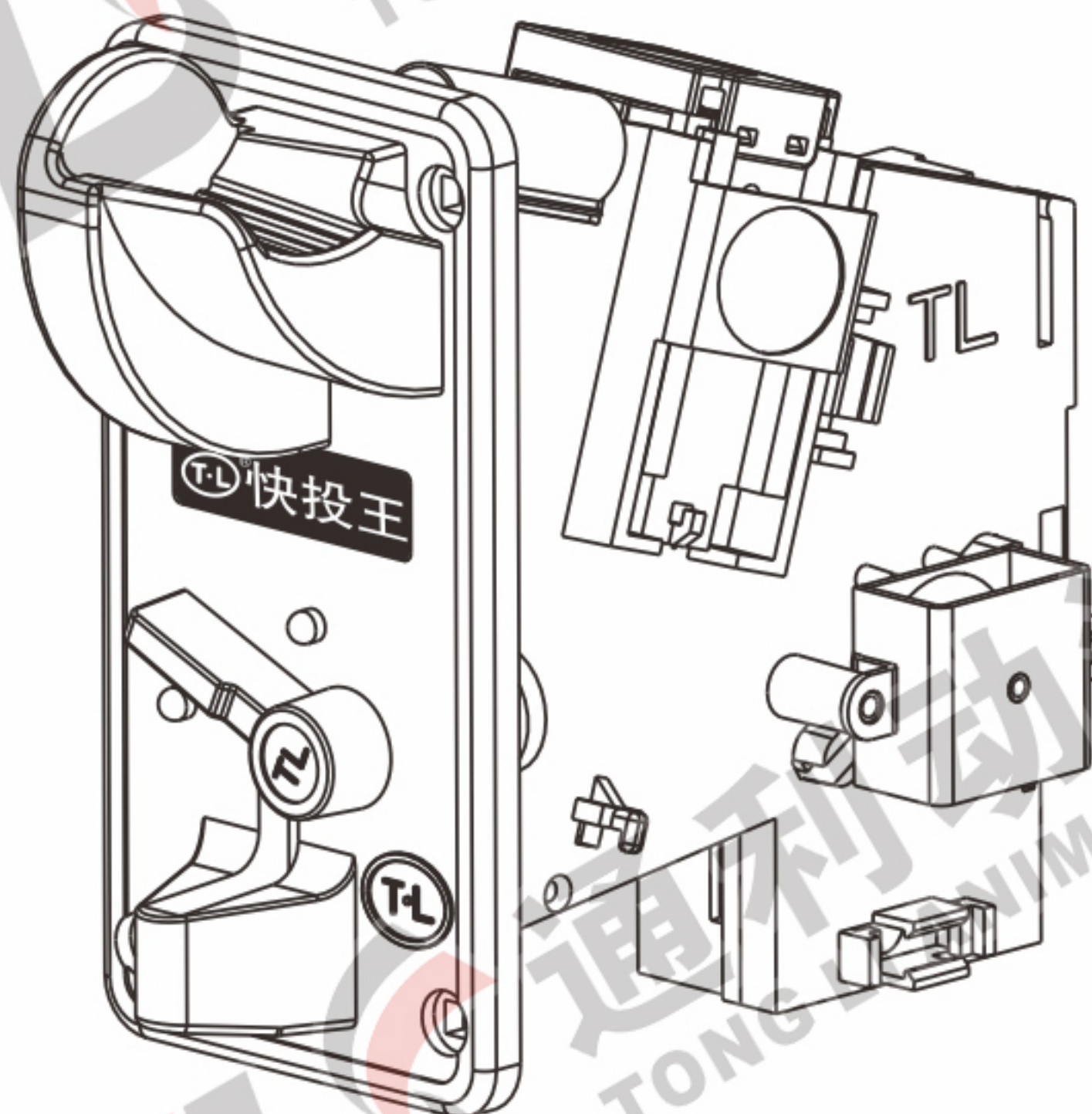
本说明书最终解释权归广州通利动漫科技有限公司所有

地址:广州市番禺区东环街迎星东路143号星力动漫产业园H19号

官方网址: [www.tongliananimation.com](http://www.tongliananimation.com)

# User Guide

Revision: 12-07-31



**TW-930(Lateral type)**

※THIS PRODUCT IS ONLY APPLICABLE TO GAME TOKENS AND DOES NOT SUPPORT THE USE OF CIRCULATING CURRENCIES.

- **Thanks for your shopping**
- **Please read the user's manual before use**

## **1. Product specification:**

Working temperature:  $-15^{\circ}\text{C}\sim+50^{\circ}\text{C}$

Diameter of coin: 22mm~28mm

Thickness of coin: 1.7mm~2.2mm

Input: 12V  $\pm$  60mA

Coin signal output: O.C.(open collector)type

## **2. Product characteristics:**

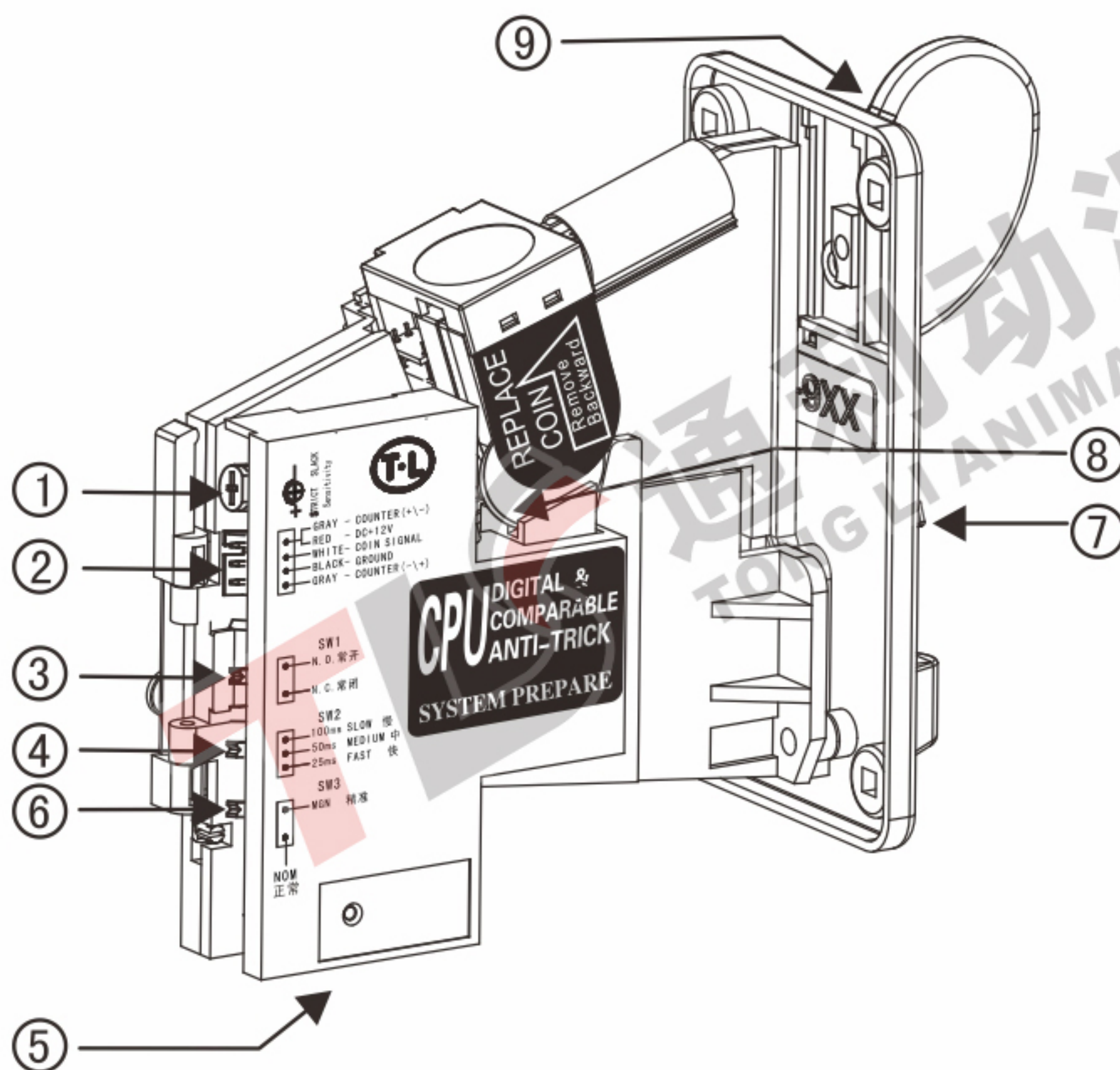
- 1.Suit for all kinds of tokens.
- 2.CPU program control and score correctly.
- 3.Special design for anti-EMI(electromagnetic interference).
- 4.Analyze the coin size by built-in program.
- 5.Self-testing alarm, fishing alarm.
- 6.Special design: precise/normal switch make the coin inserting more smoothly.
- 7.Back open design, no jamming coins and plugging coins
- 8.New high speed inserting coins structure design, inserting coins quickly

## **3. Manual:**

- 1.Remove the plastic coin from the coin groove and insert the sample coin.
- 2.If it is need, please adjust the adjusting-screw to stop thick coin entering in coin selectors ,if the coin thickness is bigger than 2mm, you should remove the screw.
- 3.Choose the normal open (NO) and normal close (NC) switch according to the main board, normally, PC board with revolving lamp often use NC except Big Marry; other PC board are use NO.
- 4.VR knob is used to adjust the sensitivity of the coin acceptance. Clockwise turning is a slack selection, the counterclockwise a strict selection. Generally, it had been adjusted in the factory.
- 5.If find the coin pass unsmooth, please adjust the precision switch, or turn the VR knob to the suitable direction.
- 6.When power on, the coin selector will alarm, show that it is on working, if soundless or sound several times, it means that the coin selector had got a problem.

## 4.Common fault handling:

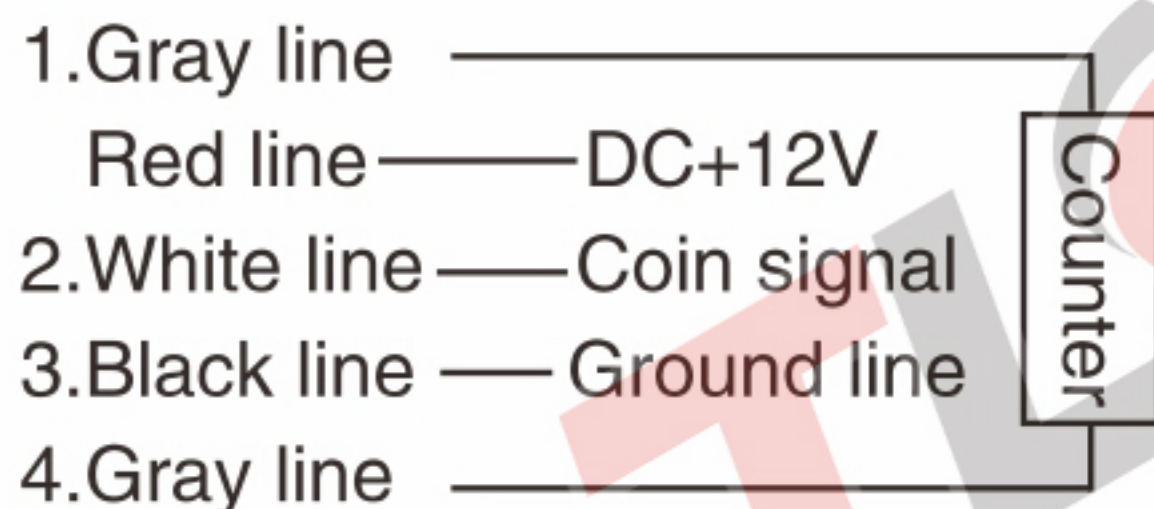
| NO. | Component name               | Function description                                                         | Factory default  |
|-----|------------------------------|------------------------------------------------------------------------------|------------------|
| 1   | VR knob                      | Adjust the sensitivity of coins, clockwise(loose), counterclockwise (strict) |                  |
| 2   | Power socket                 | DC+12V power line, COIN signal                                               |                  |
| 3   | Polarity switch (Sw1)        | Choose N.O or N.C. according to the specification of the machine             | Normal close N.C |
| 4   | Time switch (Sw2)            | Choose Fast ,Medium, Slow according to the specification of the machine      | Medium           |
| 5   | Coin outlet                  | Real coin outlet                                                             |                  |
| 6   | Precise switch (Sw3)         | Adjust the screening precision of coins                                      | Normal(NOM)      |
| 7   | Panel dial the hand          | Slide down when jamming coins in order to exit jammed coins                  |                  |
| 8   | Plastic coins (sample coins) | Changing using coins in accordance with the arrow and push away sample coins |                  |
| 9   | High speed coin insert       | Can insert 12pcs coins at the same time to realize high speed inserting      |                  |



## 5. Common fault handling:

| NO. | Normal fault              | Method                                                                                                                                                                                                                                                                                              |
|-----|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Insert coin but no scores | 1. Signal line hadn't been connected. 2. Check the line whether it is connected in right way. 3. Make sure the socket is not in a poor contact. 4. Make sure the resistance (on PC board) had been connected. 5. Check the direction of polarity switch (SW1). 6. Adjust the coin time switch (SW2) |
| 2   | Retain coins (less score) | 1. Adjust the coin time switch (SW2). 2. There are debris on coin slot. 3. Coins goes out not smoothly. 4. Make sure the clamshell fold.                                                                                                                                                            |
| 3   | Retain coins (more score) | 1. Adjust the coin time switch (SW2). 2. Coins goes out not smoothly. 3. Check the line whether it is loose. 4. Check polarity switch in a poor contact                                                                                                                                             |
| 4   | Coin insert unsmooth      | 1. Clockwise turn the VR knob. 2. Turn the precise switch to normal side. 3. Change for a new sample coin                                                                                                                                                                                           |
| 5   | Coin can't pass           | 1. Make sure the socket is not in a poor contact. 2. Check the line whether it is connected in right way. 3. Check whether there are debris in the groove. 4. The sample coin is not in right direction                                                                                             |
| 6   | Pass count—erfeit coins   | 1. Change the sample coin for resetting. 2. Set the precise switch to precise side                                                                                                                                                                                                                  |
| 7   | Soundless or sound        | 1. There are debris in the groove. 2. Check the line whether it is connected in a poor contact                                                                                                                                                                                                      |
| 8   | Jamming coins             | 1. Slide down when jamming coins, open the slide cover, and lift the induction line to exit jammed coins 2. Clean the debris in the groove. 3. Make sure the clamshell fold.                                                                                                                        |

## 6. Wiring setting:



※ **Remark:** In order to be more convenient for user to use the machine, please put this manual inside to package.

**GUANGZHOU TONGLI ANIMATION TECHNOLOGY CO., LTD.**

**Add:** H19 Startoon City, Yingxing Road, Donghuan Street, PanYu District, Guangzhou, China

**Contact:** (+86)20-23885899      **Official Website:** [www.tongliananimation.com](http://www.tongliananimation.com)