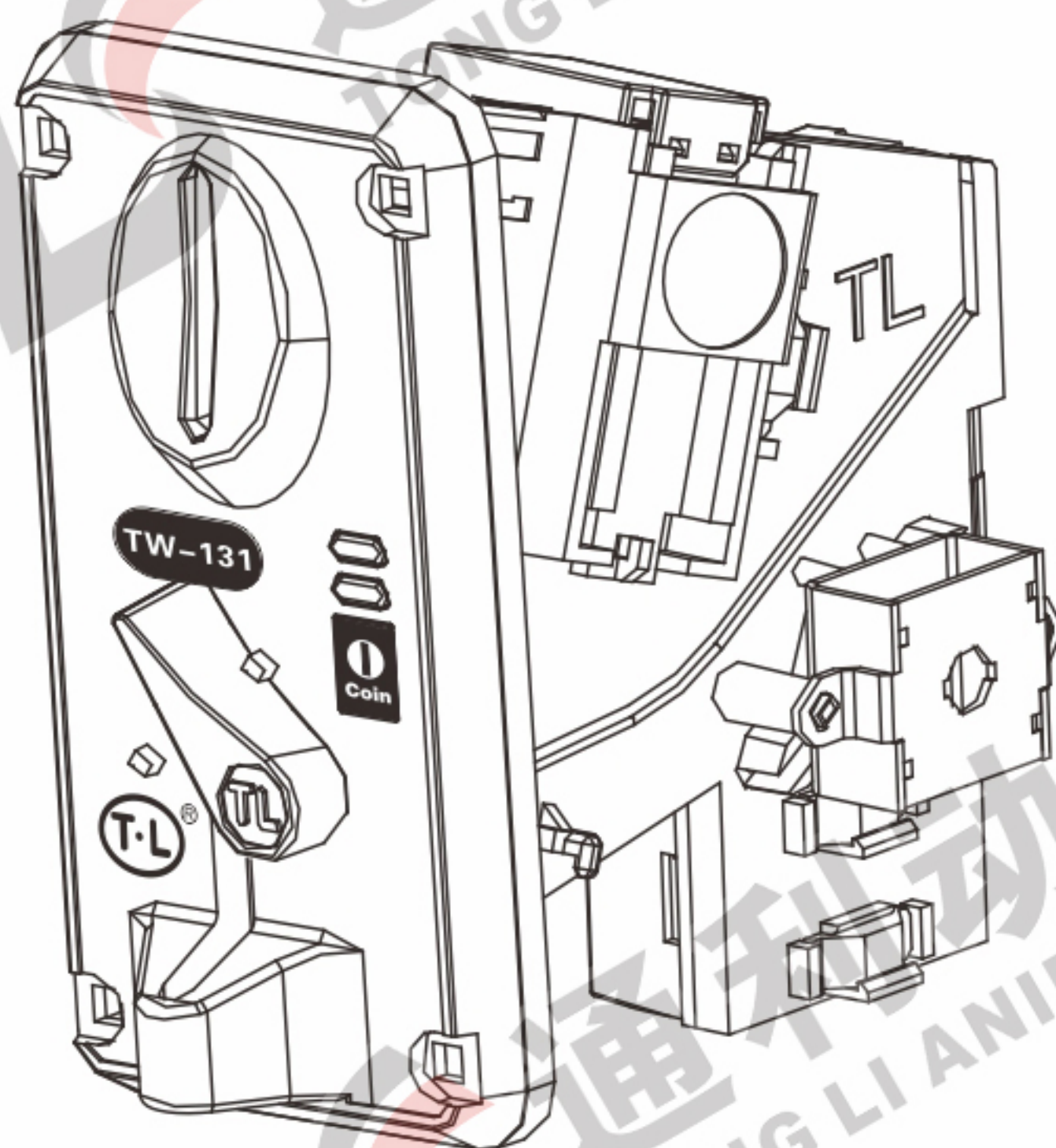


# 用户指南

Revision: 19-07-08



(注:图片仅供参考,请以实物为准)

## TW-131(侧投式)

※此产品仅供国内代币使用，不适用其他国家专用真币使用。

注：如需环保产品需另行订购

- 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℃ —+50℃

硬币直径：22mm~28mm

工作电压：DC+12V±10%

硬币厚度：1.7mm~2.2mm

工作电流：60mA±5%~1.3A±10%

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. 独特面板内嵌LED指示设计。
4. 内嵌防电磁干扰程序。
5. 开机自检，LED灯提示钓鱼及卡币故障。
6. 特设精准/正常档，投币更顺畅。
7. 翻盖设计，彻底解决卡币堵币。

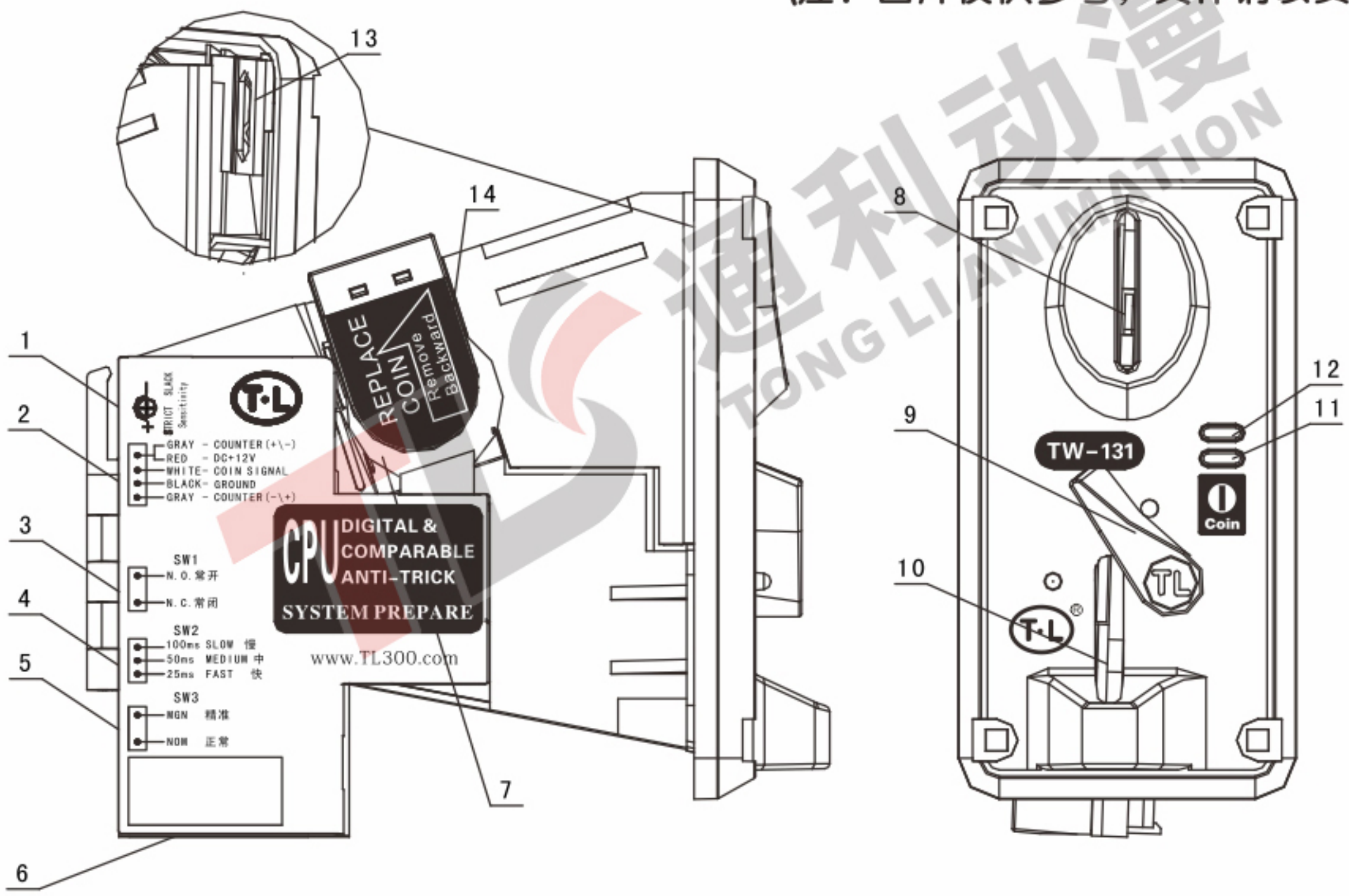
## 三、使用说明：

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输出极性开关(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脉冲时间开关(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. 通电后，面板蓝色LED亮，表示投币器进入正常工作状态；若发现蓝色LED不亮，表示投币器有故障。
5. Vr是敏感度调整旋钮，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，出厂时已调合适。
6. 投入真币时面板蓝色LED闪烁，如过币不顺畅，将精度开关(SW3)拨为正常位，或顺时针调整VR。

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12V电源线、COIN信号线、GND、码表线       |            |
| 3  | COIN信号极性开关SW1 | 调整COIN信号输出极性为常开(N0)\常闭(NC)    | 常闭(N. C.)  |
| 4  | COIN信号时间开关SW2 | 调整COIN信号输出脉宽时间                | 中档(Medium) |
| 5  | 精度开关SW3       | 调整硬币刷选精度                      | 正常(NOM)    |
| 6  | 出币口           | 真币最终出口                        |            |
| 7  | 塑料币           | 使用时取出塑料币换上自己的硬币               |            |
| 8  | 投币口           | 币投入口                          |            |
| 9  | 面板拨手          | 卡币时往下拨动，使卡住的币退出               |            |
| 10 | 假币出口          |                               |            |
| 11 | 红色指示灯         | 假币故障:闪烁<br>钓鱼故障:红蓝灯同时闪烁       |            |
| 12 | 蓝色指示灯         | 待机状态:常亮<br>投币状态:闪烁<br>故障状态:不亮 | 蓝色LED亮     |
| 13 | 防大币调节金属片      | 调节此金属片以致投币口大小合适，防止大币误入        |            |
| 14 | 感应线圈          | 感应各种材质的线圈                     |            |

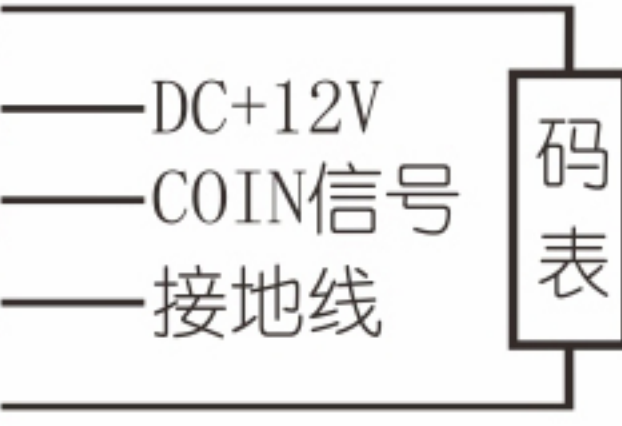
(注：图片仅供参考，具体请以实物为准)



## 五、常见故障处理：(如下表)

| 序号 | 常见故障       | 处理方法                                                             |
|----|------------|------------------------------------------------------------------|
| 1  | 投币不计分      | 1、COIN输出极性开关档位不正确 2、调整COIN时间开关                                   |
| 2  | 吃币（少计分）    | 1、调整COIN时间开关 2、出币口过币不通畅                                          |
| 3  | 投币多计分      | 1、COIN时间开关不良                                                     |
| 4  | 投币不顺畅      | 1、顺时针调整VR旋钮 2、精度开关拨向正常档<br>3、样币没夹好，换个样币试试                        |
| 5  | 过假币        | 1、逆时针调整VR旋钮 2、精度开关拨到精准档                                          |
| 6  | 面板LED不亮    | 1、电源插座没连接，接触不良 2、接线不正确                                           |
| 7  | 蓝灯亮红灯灭时不过币 | 1、敏感度旋钮调节太严 2、样币没夹好，换个样币试试                                       |
| 8  | 红灯亮蓝灯灭     | 1、币道有杂物、卡币 2、电眼坏                                                 |
| 9  | 红灯闪蓝灯灭     | 1、电眼自检错误，可能币道有杂物、卡币或电眼坏                                          |
| 10 | 红灯蓝灯同时闪烁   | 1、钓鱼报警提示                                                         |
| 11 | 卡币         | 1、拨动拨手、翻开侧盖清除阻塞的币 2、清除币道的污垢<br>3、翻盖合拢是否到位 4、调整面板的限大小金属片位置，防止大币投进 |

## 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——
- 

适用机型：TW-131

**※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。

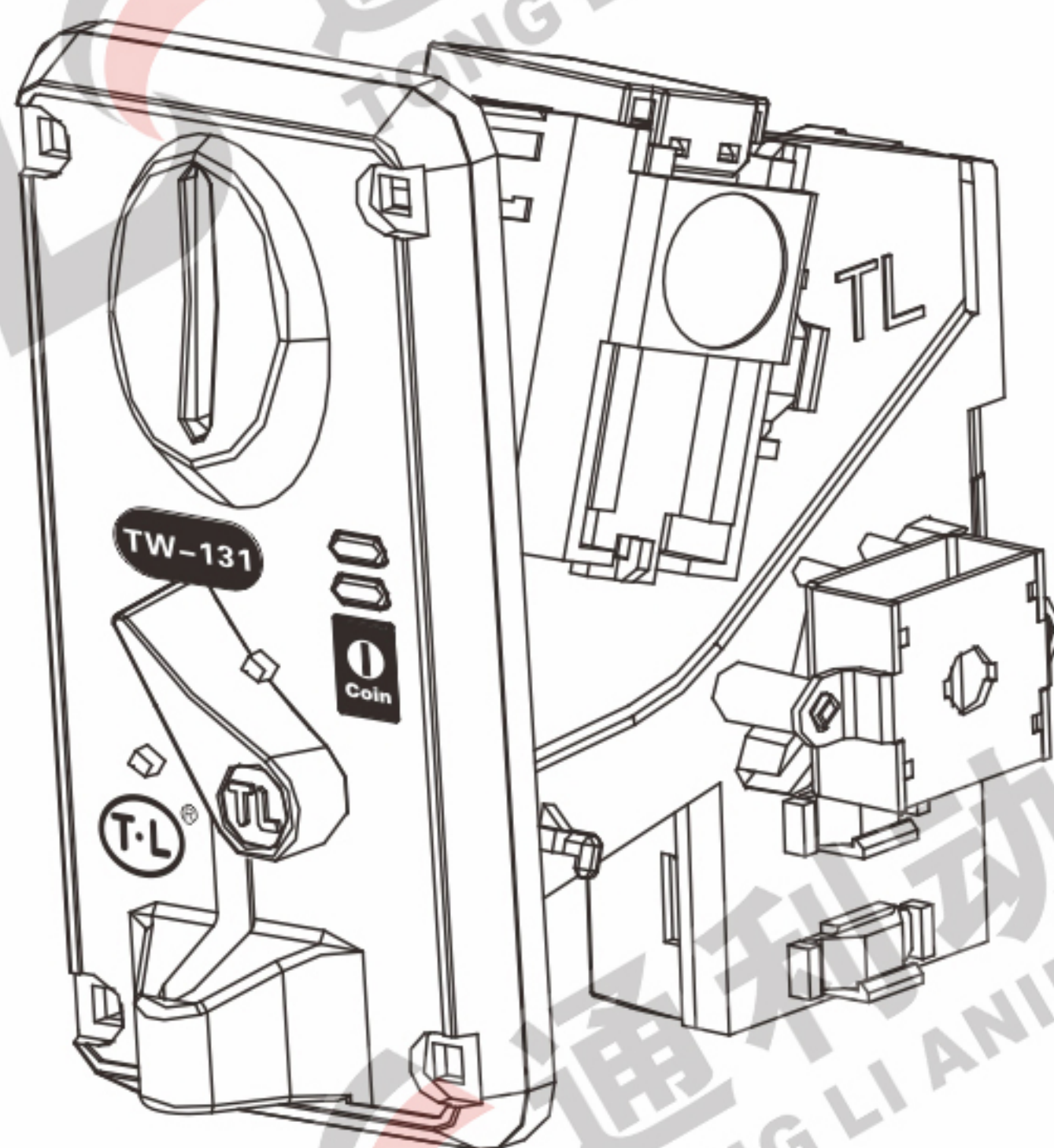
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# User Guide

Revision: 19-07-08



(Remark: Photos are for reference,  
specific depends on products.)

## TW-131(Lateral type)

※THIS PRODUCTION ONLY FOR CHINESE MARKET,  
NOT FOR USING THE MONEY COINS FROM OTHER COUNTRIES.

Remark:CE and Rohs certified models are optional.

- **Thanks for your purchasing**
- **Please read carefully before using this Manual**

## **1.Product specification:**

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

Coin Diameter: 22mm~28mm

Input: DC+12V  $\pm 10\%$

Coin Thickness: 1.7mm~2.2mm

Current: 60mA  $\pm 5\%$ ~1.3A  $\pm 10\%$

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 LED indicator on panel.
- 4.Special design for anti-EMI(electromagnetic interference).
- 5.Self-test when power on, LED light prompt fishing and jamming coins fault.
- 6.Special design: precise/normal switch, inserting coins more smoothly.
- 7.Back open design, anti- jamming coins.

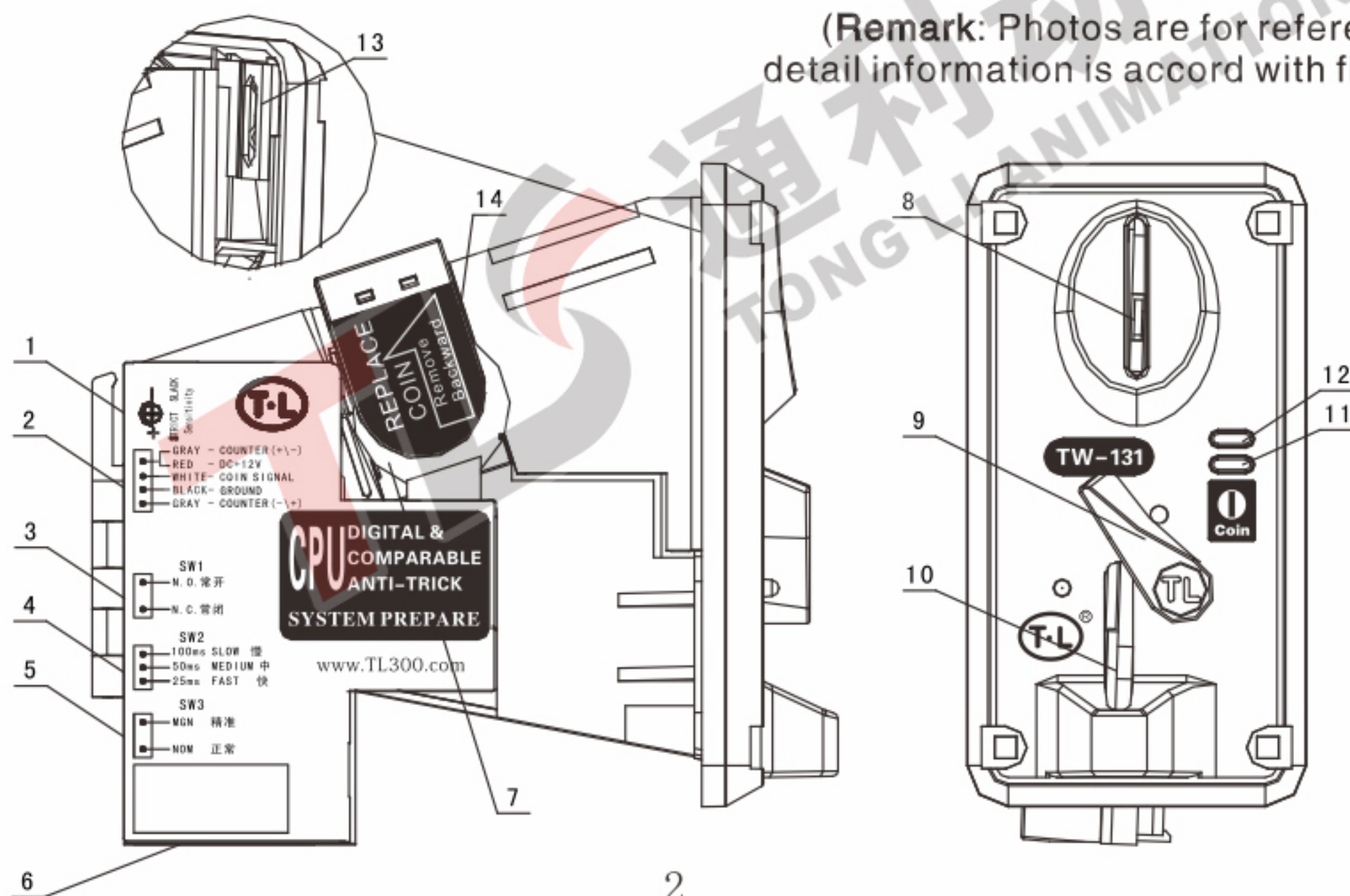
## **3.Manual:**

- 1.Removing the plastic coin from the coin groove and insert the using coins.
- 2.Changing COIN SW1 according to the main board. PC board with revolving lamp normally use NC; other PC board use NO.
- 3.Changing COIN SW2 according to the main board. Fast 20ms and Medium 40ms normally suit for common game machine, Slow 100ms suit for amusement machine.
- 4.Panel blue LED light is on when power on, it means that coin acceptor is in normal working state. If blue LED light is off, it means that coin acceptor is failure.
- 5.VR knob is used to adjust the sensitivity. Clockwise turning is a loose selection, the counterclockwise a strict selection. Generally, it had been adjusted properly before factory.
- 6.Blue LED light is flashing during passing the real coins. If coins can not pass smoothly, please adjust the precision switch(SW3) to normal side, or turn the VR knob clockwise.

## 4. Structure diagram:

| 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,GND,counter line                                        |                    |
| 3   | COIN signal polarity switch(SW1)    | Adjust COIN signal output polarity to be N.O or N.C                                    | Normal close (N.C) |
| 4   | Coin signal time switch(SW2)        | Adjust COIN signal output time                                                         | Medium             |
| 5   | Precision switch(SW3)               | Adjust the screening precision of coins                                                | Normal(NOM)        |
| 6   | Coin outlet                         | Real coin outlet                                                                       |                    |
| 7   | Plastic coin                        | Removing the plastic coin before using and insert the using coins                      |                    |
| 8   | Inserting slot                      | Coin entry                                                                             |                    |
| 9   | Panel dial the hand                 | Slide down when jamming coins in order to exit jammed coins                            |                    |
| 10  | Counterfeit coin outlet             |                                                                                        |                    |
| 11  | Red indicator                       | Counterfeit coin fault: flash<br>Fishing fault: Red and blue lamp are flashing         |                    |
| 12  | Blue indicator                      | Ready mode: keep lighting<br>Inserting mode: flash<br>Fault mode: light off            | Blue LED light on  |
| 13  | Anti-big coin adjustable metal dome | Adjust metal dome to make correct size of coin inserting, to avoid big coins inserting |                    |
| 14  | Induction coil                      | Induct all kinds of coil                                                               |                    |

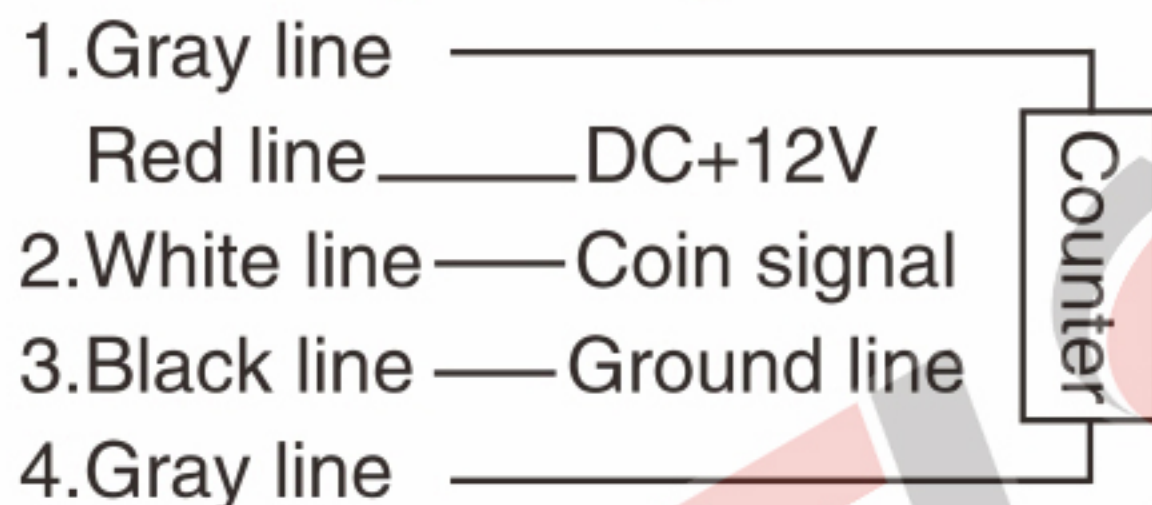
(Remark: Photos are for reference only, detail information is accord with final product.)



## 5. Common fault handling:

| NO. | Normal fault                                                    | Method                                                                                                                                                                                                                                                                                                   |
|-----|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Insert coin but no scores                                       | 1. Check the direction of COIN output polarity switch.<br>2. Adjust the COIN time switch.                                                                                                                                                                                                                |
| 2   | Retain coins (less score)                                       | 1. Adjust the COIN time switch.<br>2. Coins can not pass smoothly.                                                                                                                                                                                                                                       |
| 3   | Retain coins (more score)                                       | 1. COIN time switch is not good.                                                                                                                                                                                                                                                                         |
| 4   | Coins can not be inserted smoothly                              | 1. Turn the VR knob clockwise. 2. Adjust the precision switch to normal side. 3. Make sure that sample coin is in a right position, or change another sample coin to try it again.                                                                                                                       |
| 5   | Pass counterfeit coins                                          | 1. Adjust VR knob counterclockwise.<br>2. Adjust the precision switch to precise side.                                                                                                                                                                                                                   |
| 6   | Panel LED light off                                             | 1. Make sure that the socket is not in poor connection.<br>2. Check whether the line is connected in right way.                                                                                                                                                                                          |
| 7   | Can not pass coins when Blue LED light on and red LED light off | 1. Make sure that sensitivity knob is not strict.<br>2. Make sure that sample coin is in a right position, or change another sample coin to try it again.                                                                                                                                                |
| 8   | Red LED light on and Blue LED light off                         | 1. Check whether there are debris or jamming coins.<br>2. Check whether light eye is not good.                                                                                                                                                                                                           |
| 9   | Red LED light flash and Blue LED light off                      | 1. Light eye self-test error, and check whether there are debris, jamming coins, or light eye is not good.                                                                                                                                                                                               |
| 10  | Red and Blue LED light flash                                    | 1. Fishing alarm reminding                                                                                                                                                                                                                                                                               |
| 11  | 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. 4. Adjust the location of limiting size of metal plate at the back of inserting coins panel, to avoid big coins inserting. |

## 6. Wiring setting:



Suit for TW-131

※ **Remark:** 1. In order to be more convenient for user to use the machine, please put this manual inside to package.  
2. If this manual revised, we will not inform again. Please refer to details as:

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