# Mr Pop

## User's Manual

Version Number 20230914

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### ⚠ Important Notice

∗ Please read the manual firstly before the machine is used.

∗ Please keep this manual well so that the user could read it at any time.

∗ Product will be improved constantly, and the manufacturer reserves the right to change the manual without notification.

# Matters to Attention

## Notice

◆ DO NOT place the machine in a place that is uneven, tilted or easy to be shaken.

◆ Check the wires condition regularly once a week and check the machine comprehensively every month.

◆ Please prepare the small fire extinguisher to ensure the workplace safety and turn off the power when the staff is off work.

◆ Take care of wires and prevent pest from damaging wires.

◆ DO NOT place the machine where the sunlight shines directly to avoid to damage the internal parts of the machine.

## Warning

◆ Machine should be connected to ground wire and its three - hole plug should be inserted into the power socket with the ground wire.

◆ There are precision parts in the machine, please do not drop it or make it to physical impact.

◆ DO NOT place the machine close to objects with high magnetic fields or strong radio waves.

◆ Machine is not waterproof, to avoid fire or electric shock, please don't make any liquid in the machine or expose it to the environment of dripping water or moisture.

◆ Machine is not fireproof, please do not place it close to any fire source.

## Danger

◆ DO NOT touch the power plug with wet hands.

◆ DO NOT scratch, cut off or over-bend the power cord.

◆ DO NOT place heavy objects on the power cord.

◆ DO NOT use power cords with damaged insulation.

◆ DO NOT allow non - p rofessionals to inspect or repair the machine at will, turn off the power when the machine is inspected or repaired.

# Table of Contents

# I. Specifications and Spare Parts

## 1. Parameters

Name: Mr. Pop

Size: D2.68*W2.33*H5.14(ft)

Weight: 65KGS

Power: 50W

( If the specifications are changed according to improvements in performance and design, there will be without prior notice.)

## 2. Spare Parts

| No. | Name | Quantity |
|-----|------|----------|
| 1 | Key | 1 |
| 2 | Power cord | 1 |
| 3 | Manual | 1 |
| 4 | Turntable belt | 1 |

Check above spare parts firstly before using machine, if any parts are missing, please contact us.

## 3. Equipment size parameters



# II. How to Play

1. Insert Bills
2. Press the Button to Start
3. Press the Button to Stop
4. Get Your Prize

# III. Appearance Introduction

## 1. Front View



Screen

Prize Cover

Prize Turntable

Winning Number

Start Button

Prize Out

Bill-acceptor

Speaker(inner)
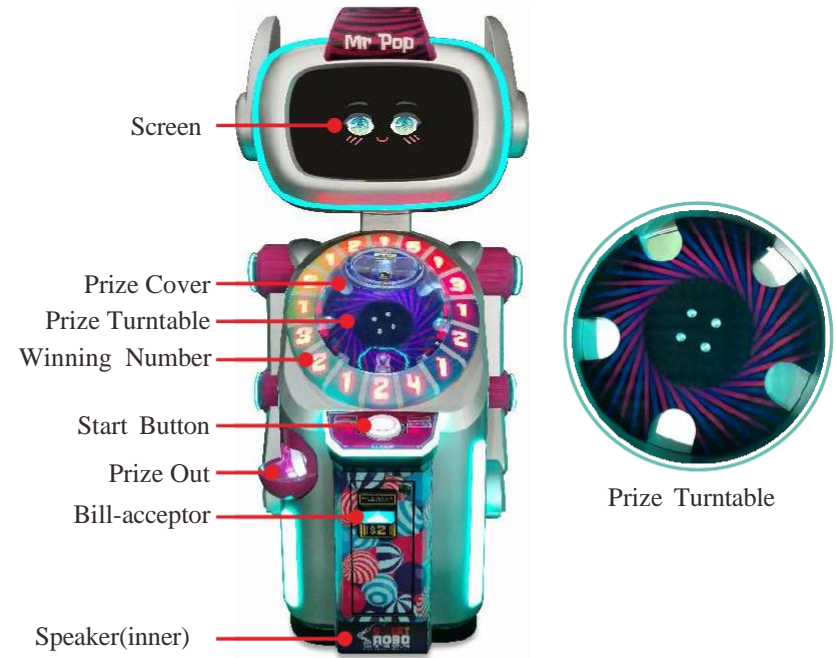
Prize Turntable

**If the lollipops can not be released, it may be caused by lollipops shortage, or lollipop blocked on the turntable. Please remove the stuck lollipops and press Start Button to pay it out.**

## 2. Front Inner View



Setting panel+Counter

Speaker

Bill-acceptor

## 3. Back Inner View



Turntable Belt

Turntable Motor

Prize Out Sensor

Prize Slide-way

Motherboard

Power Box

Power Switch

Power Socket

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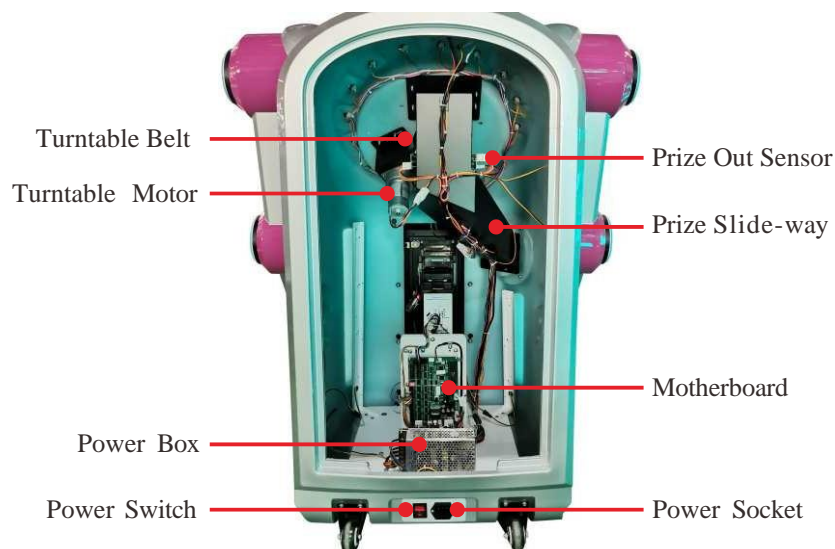
# IV. Power On Self Test

## 1. Contents of Power-on self-test:

(1) Start button        (2) Setting button        (3) Prize out sensor

**Note: Please don't touch the Start Button or other parts of machine to avoid the machine occurs errors.**

## 2. Error Codes

| Error Code | Error part | Error Reason | Troubleshooting |
|---|---|---|---|
| E1 | Start Button Fault | 1. Damage of start button if it can't up-spring;<br>2. Damage of button micro switch. | 1. Renew button;<br>2. Renew micro switch. |
| E2 | Setting Button Failure | 1. The button cannot bounce;<br>2. The button is damaged;<br>3. The connecting wire is short circuited. | 1. Replace the setting board;<br>2. Check whether the wire is short circuited. |
| E3 | Lollipop Shortage, Lollipop Stuck-in, Turntable Motor Damage, Prize-out Sensor Damage. | 1. Lollipop shortage;<br>2. Lollipop is stuck-in;<br>3. Prize-out sensor damage;<br>4. Turntable motor damage;<br>5. Motherboard damage. | 1. Replenish lollipop;<br>2. Remove lollipop;<br>3. Renew sensor;<br>4. Renew motor<br>5. Renew/repair motherboard. |
| E4 | Motherboard Fault | Motherboard memory fault | Renew/repair motherboard. |

**Start button (reset button) doesn't work**

1. Check start button and motherboard plug and the wires from motherboard plug to start button plug
2. Whether there are lollipops stuck in side-way.
3. Whether the prize sensor red light is always on (red light will only be on when the prize is detected). When there is no lollipop stuck-in, but the red light is always on, prize out sensor is damaged.
4. Check if the motor gear fixing screws and belts are loose.
   Press start button within 24 seconds, unplug the prize out sensor, then test the turntable motor voltage
   If the turntable motor has power voltage, then the motor not work. That motor damaged.
   If the turntable motor has no power voltage, then the motherboard damaged.

**How to use start button(reset button): When the machine occurs lollipop shortage or lollipop is stuck-in, open the transparent cover and press the red Start Button, the prize turntable will re-rotate and the error code will disappear after the lollipop-out is restored successfully.**

# V. Backstage Setting

## 1. Setting Panel
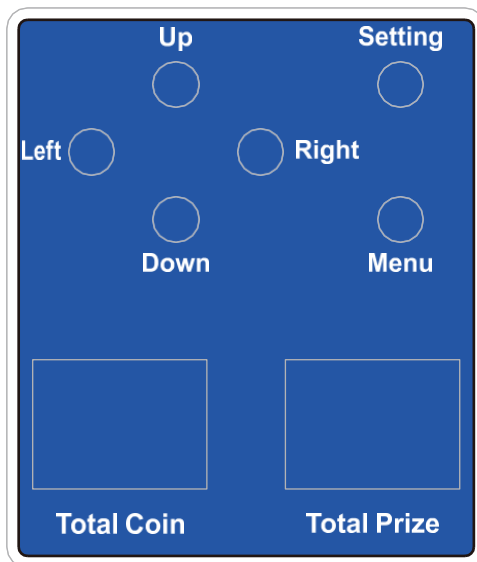


## 2. Setting button introduction

| Button name | Press | Press and hold |
|---|---|---|
| Up button | Last setting item | |
| Down button | Next setting item | |
| Left button | Reduce | |
| Right button | Add | |
| Setting button (confirm button) | Set default data, confirm Note: choose "yes", and press the setting button can set factory setting | Enter/exit setting |
| Menu | 1 Free play | |

## 3. Candy Shelf-Life Setting

While the machine is off, adjust DIP #1 then turn on machine.
DIP 1=OFF, will not show candy shelf-life
DIP 1=ON, standby screen will show candy shelf-life

Press and hold Settings button: enter or exit setting for candy shelf life
Up & Down button: set number
Left & Right: to change number position



## 4. Management Setting Menu

Open the front door, press and hold setting button to enter management setting menu.

### (1) Credits: 0-10

Setting to 0 will enable unlimited Free plays.

### (2) Difficulty Level

0: Win rate not controlled (Random)

| Difficulty level | Prize rate | Total numbers of lollipop-out per 100 plays | "1" number of times | "2" number of times | "3" number of times | "4" number of times | "5" number of times |
|---|---|---|---|---|---|---|---|
| 0 | Uncontrollable Rate | | | | | | |
| 1 | 1.8 | 180 | 55 | 25 | 9 | 7 | 4 |
| 2 | 1.7 | 170 | 59 | 24 | 8 | 6 | 3 |
| 3 | 1.6 | 160 | 63 | 23 | 7 | 5 | 2 |
| 4 | 1.5 | 150 | 68 | 21 | 6 | 3 | 2 |
| 5 | 1.4 | 140 | 72 | 20 | 5 | 2 | 1 |
| 6 | 1.3 | 130 | 78 | 16 | 4 | 2 | 0 |
| 7 | 1.2 | 120 | 84 | 13 | 2 | 1 | 0 |
| 8 | 1.1 | 110 | 90 | 10 | 0 | 0 | 0 |
| 9 | 1.0 | 100 | 100 | 0 | 0 | 0 | 0 |
| 10 | 1.51 | 151 | 66 | 23 | 6 | 4 | 1 |
| 11 | 1.51 | 151 | 66 | 22 | 9 | 1 | 2 |
| 12 | 1.61 | 161 | 66 | 21 | 2 | 8 | 3 |
| 13 | Every three times 1 to be 2 and every tenth time to be 3 or 4. | | | | | | |

**Press and hold the setting button to save and exit setting**

### (3) Game Volume (0-8)

0: No sound (Mute)



### (4) Demo Volume (0-8)

0: No sound (Mute)



### (5) Game Time (10-60 seconds)

## (6) Number Light Twinkle

0: Twinkle slowly when in standby
   Twinkle fast when insert credits
   Light off during game time
1: Light off when in standby
   Twinkle when insert coins
   Light on during game time
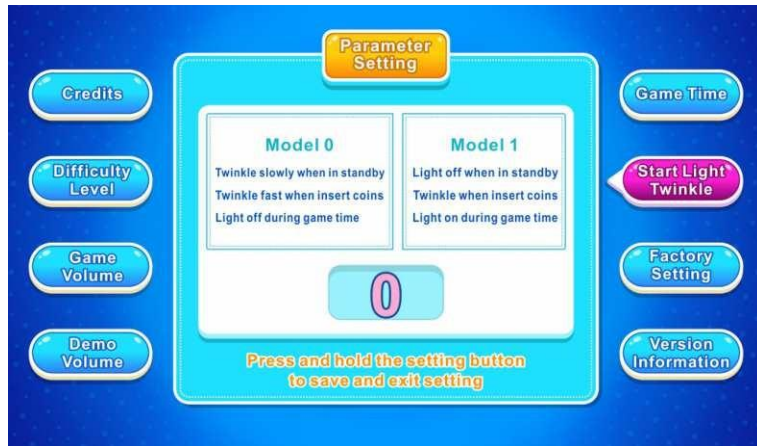


## (7) Factory Setting

Follow the prompts



## (8) Version Information

Display the Version of the machine software.

# VI. Electrical Diagram

Input power AC110V Power filter
PE
Main power switch AC S/W
Lollipop light
Elbow light on
Shoulder light on
Prize out light on
MIN HDNG MH-9916A
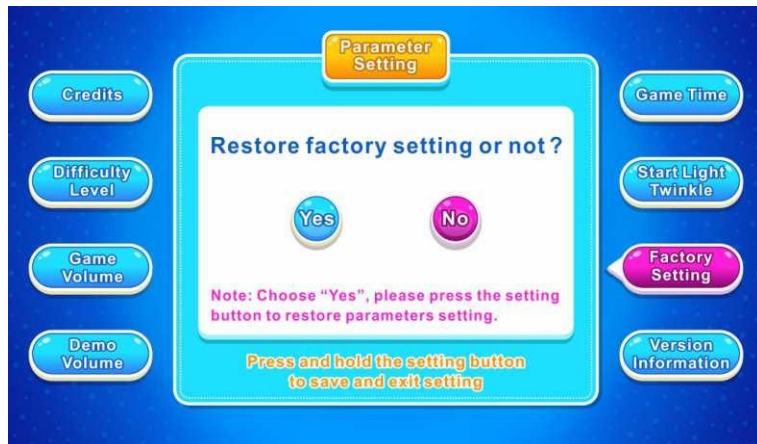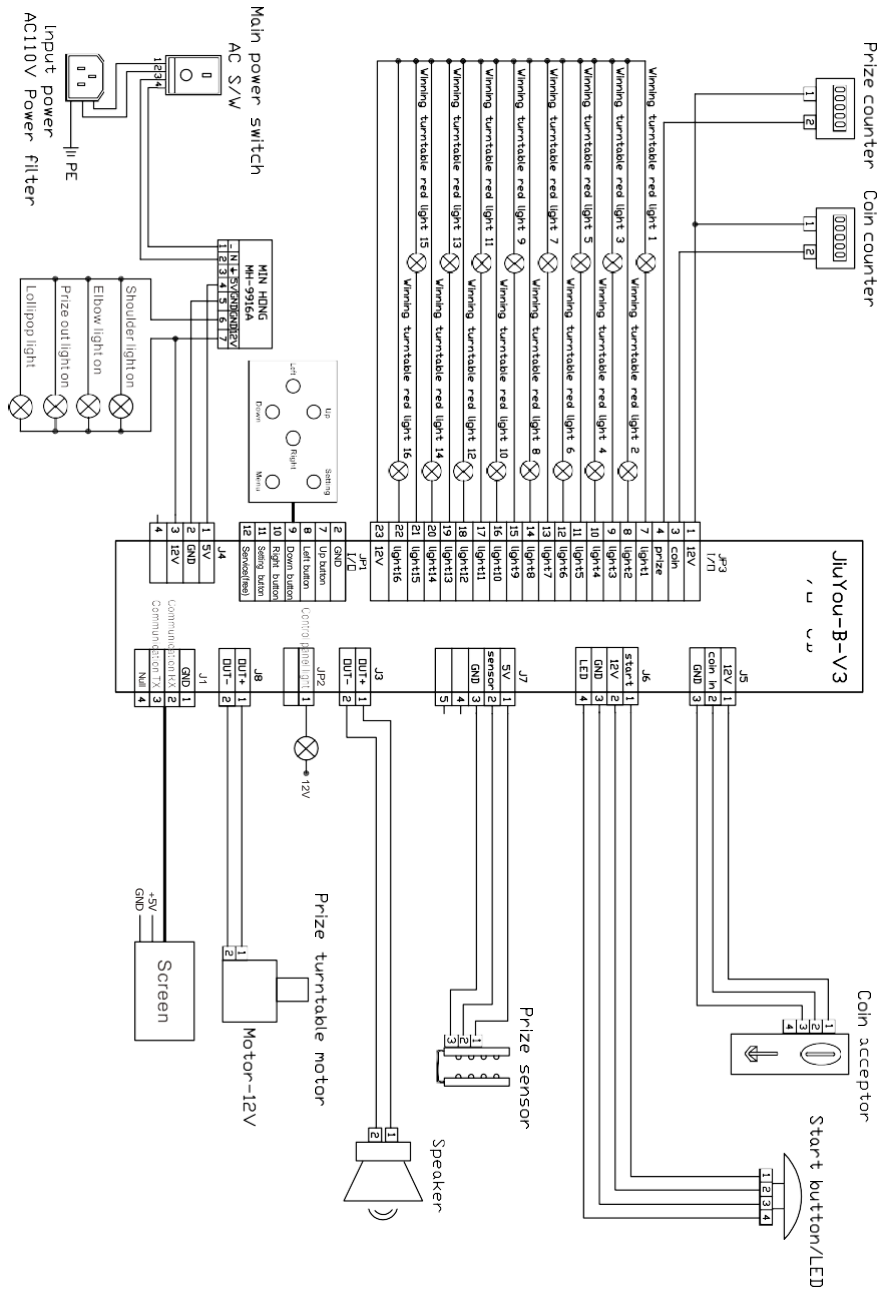5V DC

Prize counter
Coin counter

Winning turntable red light 1
Winning turntable red light 2
Winning turntable red light 3
Winning turntable red light 4
Winning turntable red light 5
Winning turntable red light 6
Winning turntable red light 7
Winning turntable red light 8
Winning turntable red light 9
Winning turntable red light 10
Winning turntable red light 11
Winning turntable red light 12
Winning turntable red light 13
Winning turntable red light 14
Winning turntable red light 15
Winning turntable red light 16

JiuYou-B-V3

Screen
Prize turntable motor
Motor-12V
Prize sensor
Speaker
Coin acceptor
Start button/LED

Communication RX
Communication TX
Null

# VII. Motherboard Diagram

JP1
Service(free)
Setting down button
Setting left button
GND
GND

Setting button
Setting right button
Setting up button
GND
GND

J1
GND
Communication RX
Communication TX
Null

JP3
Coin counter
12V
Prize counter
Prize number light
12V

JP2
Control panel light

J3
Speaker −
Speaker +

J4
5V
GND
12V
Null

JiuYou-B-V3
20191108

Start button light −
GND
Start button light +
Start button
J6

12 V
Credit signal
GND
J5

Prize out motor −
Prize out motor+
J8

Null
Null
J7

5V
Prize out sensor
GND

# Ⅷ. Maintenance

**1.** When there is dirt on the outer of the machine, please wipe it with a soft dry cloth. If the dirt is quite serious, wipe it with a soft cloth with 5-6 times diluted detergent, and then wipe with a dry cloth.

**2.** Never use alcohol or volatile solvent-based liquids to wipe , which will damage its surface treatment paint. Do not use cloth containing chemical agents to wipe or place it on the machine for a long time.

# IX. Warranty Terms

To ensure the consumers could use our products with rest assured and satisfaction, we will reasonably stipulate our after-sale service system in strict accordance with relevant laws and regulations issued by the state.

**1.** Due to product's particularity, the product won't be refund once sold.

**2.** For all machines we sold, we will provide all technical support, including how to check account, difficulty adjustment, reset, various troubleshooting.

**3. One-year Warranty:** All machines are guaranteed within one year for non- human damage after receiving machines ( except for the consumable parts);

**Life- long Free Maintenance:** When the free replacement or free warranty service expires after one year,we will continue providing technical service, for the part that need to be replaced, only charge the part cost and the maintenance fee is free, and the buyer need to responsible for the express cost.

**4.** Warranty period starts from the date the buyer receives the machine.

**5.** Warranty doesn't cover one of the following factors:

**5.1** All failures and damages caused by man-made, using in abnormal working environment,without following the manual to use, or without following the manual indication environment to use, etc.

**5.2** Without our consent and permission, user disassembles, repairs, or modifies the product, etc.

**5.3** Damage caused by poor transportation after purchasing the product.

**5.4** Damage caused by other irresistible factors (such as flood, lightning stroke, earthquake, abnormal voltage, etc).

**5.5** Normal use becomes old, abrasion, rupture or dip-dye etc.

**5.6** Product that doesn't belong to ours (such as fake, counterfeit product).