

# Burger Mania

## Manual



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# Attention Points

## 1, Safety attention:

Before using the machine, please pay attention to the safety warning sticker on the device. Additionally pay special attention to some important points while you reading this manual.

### Warning

Please read this warning carefully before operation.

Otherwise, there is a risk of electric shock and injury due to misuse

#### High pressure warning sign



## 2, Technical parameters and specifications

### Technical parameters

- The working voltage: 220V/110V (Determined by the nameplate information)
  - The power consumption: Minimum power: 400W  
Maximum power: 550W
  - Dimensions: W1600\*D810\* H2590 (mm)
  - The weight: about 340 kg
  - Environment conditions: (Indoor) Temperature: -10°C ~ +40°C  
Humidity: ≤90%  
Atmospheric pressure: 86KPa ~ 106KPa
- ❖ Any changes to the above technical specifications will not be noticed separately.

## Placement Guidelines Of The Device

The device is for indoor use only and should not be placed outdoors. When positioning the device indoors, please avoid following situations:

1. Moist area.
2. Direct sunlight.
3. Keep away from flammable, highly volatile liquids, medicines, and hazardous materials.
4. Inclined surface.
5. Obstructing emergency exits, fire extinguishers, and other firefighting equipment.
6. Areas with strong vibrations.
7. Dusty environments.

## Operating Guidelines






When placing, inspecting and maintaining the machine, the device owner is advised to pay attention to following matters to ensure player safety and prevent damage to the machine:

1. It is necessary to turn off the power when operating to avoid electric shock or short-circuit accidents.
2. Do not pull out or insert the plug abruptly to avoid electric shock and short-circuit accidents.
3. Do not touch the plug with wet hands to prevent electric shock. 请不在用湿手接触插头，以避免触电事故。
4. Do not expose the power cord and ground wire in the pathway, as it may damage them and lead to electric shock or short-circuit accidents.
5. Please do not place any items on or near the power cord to prevent the risk of fire.
6. When disconnecting the power cord, grasp the plug and pull it out; do not pull or twist the power cord to avoid damaging it, which could lead to electric shock, short-circuit, or fire incidents.
7. In case the power cord is damaged, please contact the supplier for replacement.
8. Do not use fuses and components other than those specified by our company.
9. Ensure proper connection of connectors and securely tighten screws.
10. Without the permission of our company staff, do not disassemble, replace, or modify our company's products.
11. Please regularly inspect and maintain this product.
12. Ensure the cleanliness of the "Warning Label" to ensure the text is legible. If the label is dirty and the text is unclear, replace it immediately.
13. For operations not mentioned in this manual, please contact our company's service center and follow their instructions and guidance for proper procedures.

## ● Machine Overviews and Installation Introduction

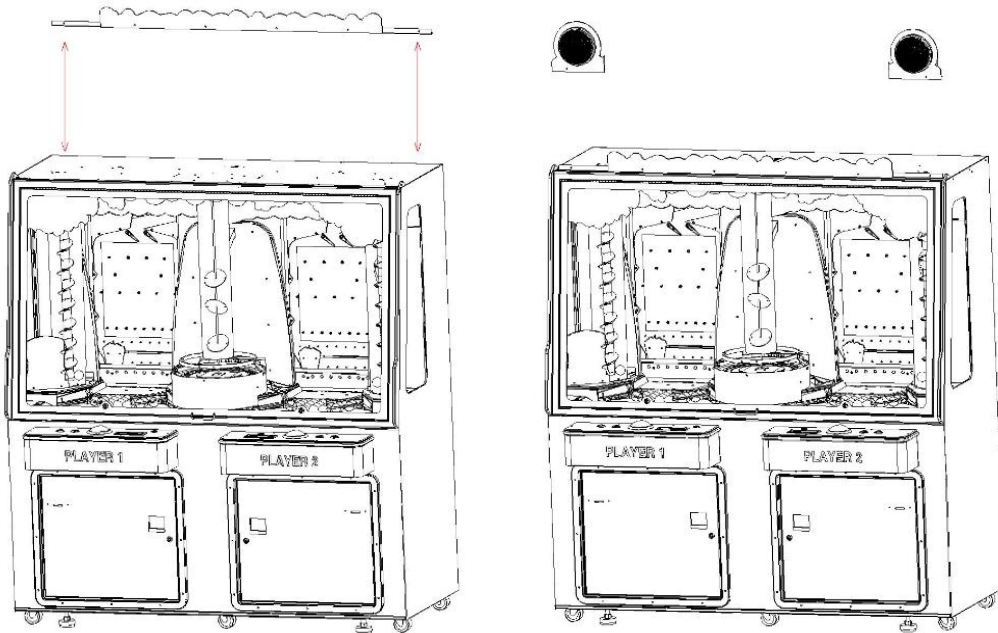
<b>Machine size(mm)</b>	W1600*D810*H2590
<b>Package size</b> (with wooden frame)	W1750*D9500*H2090
<b>Voltage</b>	220V / 110V
<b>Weight</b>	270KG/Unit
<b>Frequency Range</b>	50-60Hz
<b>Rated Power</b>	460W/Unit

### ■ Parts Schedule

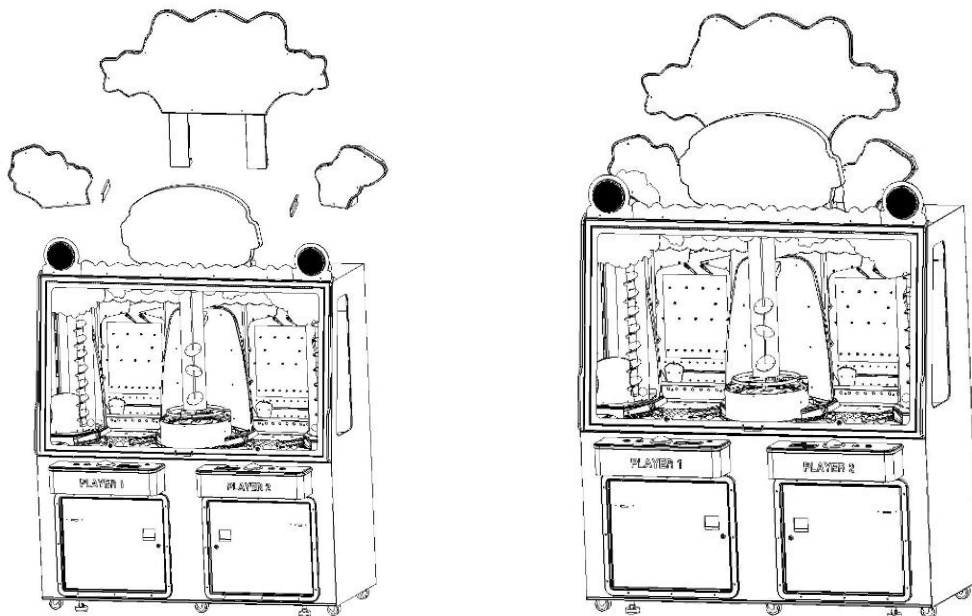
No.	Parts	Specification	QTY
1	AC Power Cord		1
2	Key WCT168		3
3	Manual		1
4	Overhead Background Light Box		1
5	Overhead Burger Light Box		1
6	Overhead Snack Light Box		2

# Installation Diagram

1



2.



## ● Game Introduction

**Burger Mania is a mechanical coin pusher redemption machine full of entertainment and interactivity. It adds a variety of interesting and exciting gameplay base on the traditional coin pusher, and players will be attracted by the reward points one by one during playing.**

◦

### ■ Gameplay

1. Insert token and tap the button to drop a token from the swing arms.

The tokens would be accumulated when it go through the bottom grids.

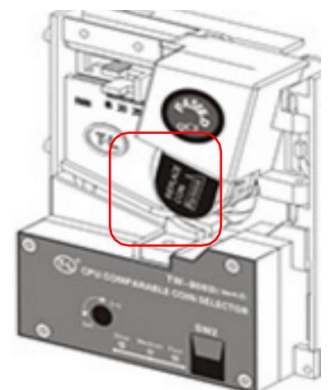
2. Get reward chance when the token through the moving grid.

2.1 Three same icons as bottom grids, the accumulated tokens would be fallen to pushing plate.

2.2 Three same lucky ball icons to get a extra ball on the pushing plate.

2.3 Three same French Fries icons to run the rotating tray and throw out all tokens on it to the pushing plate.

3. Push the ball over the edge to start free time





mode.

4. Each token pushed off will turn into tickets.

## ■ Business Guidelines

1. Reset the token: After machine installed, open the control panel to replace the tokens of the coin acceptor for the venue.
2. Place tokens: for example, 2000 tokens for one player. So please place a full bag of matching tokens on pushing plate when machine is off.
3. Place 150 matching tokens on the middle rotating tray.
4. Place the balls: do not need to place any balls on pushing plate when new machine arrived. But if reset the setup menu, please place twelve balls onto the pushing plate.

1P Pushing Plate

Rotating Tray

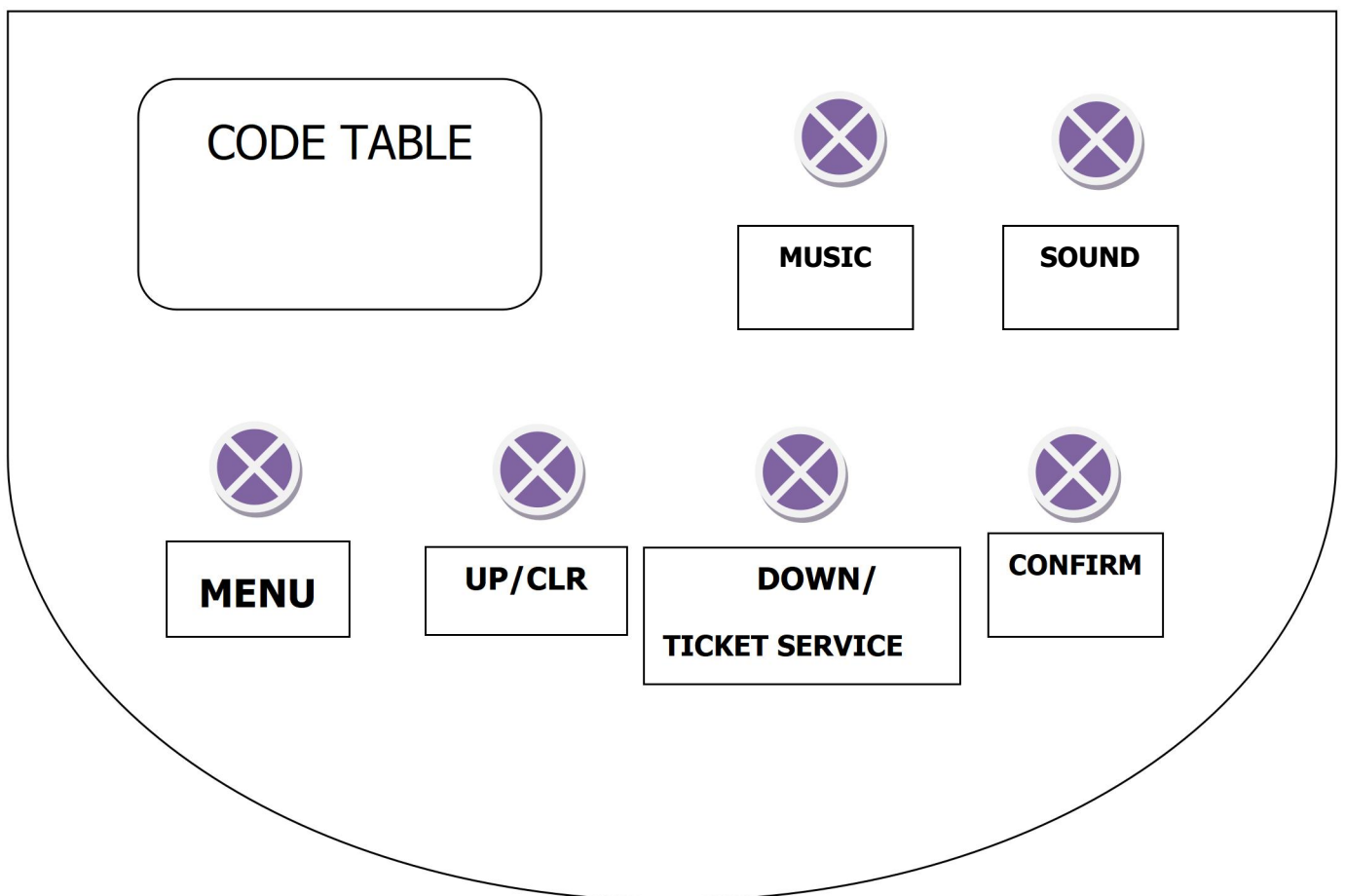
2P Pushing Plate





## ● Backend configuration

1. Press setup button to enter the backend setup
2. Press confirm button to select/save the parameters.
3. Press “UP” “DOWN” buttons to adjust the parameters



Level 1 Menu	Level 2 Menu	Level 3 Menu	Range	Default
Setting	1. Machine No.	P1:	Master or Slave	Master
		P2:	Master or Slave	Slave
	2. Exchange	P1:	Ticket	Ticket
		P2:	Ticket	Ticket
	3. Play per Credit	P1:	2~5	3
		P2:	2~5	3
	4. Tickets Exchange Rate	P1:	1~80	5 (Each token pushed off)
		P2:	1~80	5 (Each token pushed off)
	5. Game Difficulty	P1	92 ~ 98 (Hard-easy)	96
		P1	92 ~ 98 (Hard-easy)	96
	6. Free Time Mode	P1:	ON/OFF	OFF
		P2:	ON/OFF	OFF
	7. Game Mode	P1:	Press Key or Coin-operated	Press Key (Press key to start after inserting token)
		P2:	Press Key or Coin-operated	Press Key (Press key to start after inserting token)
	8. Program Version V20	P1:	28	28
		P2:	28	28
This parameter must be adjusted in consultation with the manufacturer	9. Pushing Tray	P1:	5-15	10
		P2:	5-15	10
	10. Flapping Time	P1:Free Time	10-30 (seconds)	20(A ball pushed off)
		P2:Free Time	10-30 (seconds)	20(A ball pushed off)
	11. Reserved			
	12. Default	P1:	Yes/No	No
		P2:	Yes/No	No
	13. Coins on Tray (on middle rotating tray)	P1:	80~200 tokens	150
P2:		80~200 tokens	150	

Accounts	Master (1P)		1. Access Statistics (8 Channels)	
			2. Total Coins Inserted	
			3. Coins By Player	
			4. Coins Rewarded	
			5. Coins Pushed	
			6. Total Tickets Got	
			7. Total Gifts Got	
			8. Total Tickets Out	
			9. Reset Account	
	Exit			
	Slave (2P)		1. Access Statistics (8 Channels)	
			2. Total Coins Inserted	
			3. Coins By Player	
			4. Coins Rewarded	
			5. Coins Pushed	
			6. Total Tickets Got	
			7. Total Gifts Got	
			8. Total Tickets Out	
			9. Reset Account	
Exit				
Testing	1. Coin Counting	On/Off	Sensor 1	Sensor 2
	2. Coin Lift	On/Off	Sensor 1	Sensor 2
	3. Swing Arms	On/Off	Sensor	
	4. Coin Box	On/Off	Sensor	
	5. Pushing Tray	On/Off	Sensor	
	6. Ball Lift	On/Off	Sensor 1	Sensor 2
	7. Lanes Change	Pushing Plate Rotating Tray		
	8. Tickets Dispense	On/Off	Sensor	
	9. Gift Dispense	On/Off	Sensor	
	10. Access Sensor Signal	On/Off		
	11. Coin Acceptor		Start Button	AIM Button
	12. L-door of Tray	On/Off	Sensor	
	13. R-door of Tray	On/Off	Sensor	
	14. Rotating Tray	On/Off	Sensor	
	Exit			

### Remarks:

**The settings for 1P and 2P must be identical. After configuring both the master and slave, please shut down and restart. Contact the manufacturer for adjustments to the pusher mode parameters.**

## Site Types and Setting Adjustments

In prosperous area with adults as the main players, and a high awareness of tickets	Suggested settings: 2 plays per credit
A family-friendly venue with a primary audience of parents and children players	Suggested settings: 3 plays per credit
Most of players in the venue are either inexperienced or just passersby, and the popularity is not high.	Suggested settings: 5 plays per credit
Over 5 kinds of similar coin pusher or ball pusher redemption machines in one venue	Suggested settings: 3 plays per credit

※The advantage of 3 plays per credit: This is the optimal condition of the device. Especially when players keep playing without interruption, it can provide the best gaming experience. We strongly recommend setting 3 plays per credit for this machine.

※The advantage of 5 plays per credit: This is suitable for the venue with lower popularity or designed for children, as it can extend the gaming time.

## ● Additional Instructions

### ■ Mainboard Wiring & Ports Instruction

J1					
Function	Silk Prints	Pins		Silk Prints	Function
12V	None	1	9	None	Winning Flashing Light 1
12V	None	2	10	None	Winning Flashing Light 2
12V	None	3	11	None	Winning Flashing Light 3
12V	None	4	12	None	N/A
12V	None	5	13	None	N/A
12V	None	6	14	None	N/A
12V	None	7	15	None	N/A
12V	None	8	16	None	N/A

J2					
Function	Silk Print	Pins		Silk Print	Function
Drive Signal of the L-Door Motor of The Rotating tray	09	1	2	12v	12v
Drive Signal of the R-Door Motor of The Rotating tray	10	3	4	12v	12v
Drive Signal of the Ball Lift Motor	11	5	5	12v	12v
In Signal of Ticket Dispenser	12	7	8	12v	12v
Signal of Inserting Tokens	I1	9	10	I2	OUT Signal of Ticket Dispenser
Token Counting Motor Insertion Sensor	I3	11	12	I4	Token Counting Motor Payout Sensor
Signal of Pressing LAUNCH Button on the Console	I5	13	14	I6	Signal of Pressing AIM Button on the Console
Sensor Signal of Tokens Entering The Pushing Plate	I7	15	16	I8	Sensor Signal of Tokens Entering The Rotating Plate
Sensoe Signal of Swing Arms	I9	17	18	I10	Sensor Signal of Mobile Grid Origin
Sensor Signal of Pushing Motor Origin	I11	19	20	I12	Sensor Signal of Ball-In
Sensor Signal of Ball-Out	I13	21	22	I14	Sensor Signal of The L-Door of Rotating Tray
Sensor Signal of The R-Door of Rotating Tray	I15	23	24	I16	Sensor Signal of Rotating Tray Turning
Sensor Signal of CH1	I17	25	26	I18	Sensor Signal of CH2
Sensor Signal of CH3	I19	27	28	I20	Sensor Signal of CH4
Sensor Signal of CH5	I21	29	30	I22	Sensor Signal of CH6
Sensor Signal of CH7	I23	31	32	I24	Sensor Signal of CH8
Signal of CONFIRM Button In The Backend	I25	33	34	I26	Signal of MENU Button In The Backend
Signal of UP Button In The Backend	I27	35	36	I28	Signal of DOWN Button In The Backend
Sensor Signal of Mobile Grid	I29	37	38	I30	Signal of Coin Return
N/A	I31	39	40	I32	N/A
GND	GND	41	42	GND	GND
GND	GND	43	44	GND	GND



J3					
Function	Silk Prints	Pins		Silk Prints	Function
Drive Signal of the Token Counting Motor	013	1	2	12V	12V
Drive Signal of the Token Rising Motor	014	3	4	12V	12V
Drive Signal of the Swing Arms Motor	015	5	5	12V	12V
Drive Signal of the Mobile Grid Motor	016	7	8	12V	12V
Drive Signal of the Pushing Plate Motor	017	9	10	12V	12V
N/A	018-025	11	12	12V	12V
N/A	025	25	26	12V	12V
Token Inserting Counter	026	27	28	12V	12V
Token Payout Counter	027	29	30	12V	12V
Ticket Counter	028	31	32	12V	12V
LED Digital Signal of 8 Channels	DAT	33	34	GND	GND
N/A	DAT1	35	36	GND	GND
N/A	CLK	37	38	5V	5V
N/A	LE	39	40	5V	5V
	5V	41	42	5V	5V
Lane Changing Motor +	029	43	44	12V	12V
Lane Changing Motor -	030	45	46	12V	12V
Rotating Tray Turning Motor +	031	47	48	12V	12V
Rotating Tray Turning Motor -	032	49	50	12V	12V

P1			P2		
Function	Silk Prints	Pins	Function	Silk Prints	Pins
Communication Signal Wire A	A	1	Communication Signal Wire A	A	1
Communication Signal Wire B	B	2	Communication Signal Wire B	B	2
Communication Signal Ground Wire	GND	3	Communication Signal Ground Wire	GND	3
P1			P2		
Function	Silk Prints	Pins	Function	Silk Prints	Pins
Speaker +	None	1	Speaker +	None	1
Speaker -	None	2	Speaker -	None	2

P5					
Function	Silk Prints	Pins		Silk Prints	Function
Pin 1 of Volume Control Knob One	None	1	2	None	Pin 1 of Volume Control Knob Two
Pin 2 of Volume Control Knob One	None	3	4	None	Pin 2 of Volume Control Knob Two
Pin 3 of Volume Control Knob One	None	5	6	None	Pin 3 of Volume Control Knob Two



P6					
Function	Silk Prints	Pins		Silk Prints	Function
12V Power	12V	1	6	12V	12V Power
5V Power	5V	2	5	5V	5V Power
Power GND	GND	3	4	GND	Power GND

## ■ Fault Troubleshooting

Coin Acceptor Fault Detection and Exclusion Steps:

1. When the coin signal line (brown) of the coin acceptor touches the ground wire, coin information will be generated, indicating that the circuit is operating normally. In this case, the coin acceptor needs to be replaced.
2. Multimeter testing: Check if the coin reaches the normal voltage, and verify the continuity of the coin acceptor signal line to the main board input IN1.
  - (1) Not in normal voltage, please replace the coin acceptor;
  - (2) If in normal voltage, press the TEST button again to exit the software test, or re-boot.

Routine Maintenance and Care of the Machine

### Machine maintenance:

- Must turn off the power before maintenance or repairing.
 

In order to prevent circuit short-circuits, personnel involved should disconnect the power before accessing internal components of the machine. If this operation requires the power to be on, it must comply with the requirements outlined in the operation manual.
- When replacing components, please ensure the selection of appropriate accessories.
 

Using incorrect accessories may lead to fire or electrical short circuits, causing damage to the mainboard and components.
- Please do not disassemble, assemble, or modify the equipment arbitrarily. This may cause fire, electrical short circuit or mechanical failure, etc..
- Ensure compliance with manufacturer's requirements when moving, flipping, transporting, etc. If not, will cause damages to the device and compromise machine performance.
- This machine is only for indoors using, Outdoors using will affect machine performance.
- Please do not use the machine in the following location:

★Do not place the machine in water leakage or high humidity area.

- ★ Do not place the machine close to the high temperature object.
- ★ Do not place the machine close to the hazardous materials.
- ★ Do not place the machine on the area with slippery or unstable surface.
- ★ Do not place the machine near equipment that may generate sparks.
- ★ Do not place the machine on the area with severe vibration.
- Do not place vases, cups or containers with water, and also chemicals or heavy object on the machine. Liquid can cause electrical short circuits and damage components, chemicals can corrode the machine, and falling objects from heights can pose risks to both individuals and the equipment.
- Do not place objects near the exhaust vent of the machine. Blocking the exhaust vent can result in elevated machine temperatures, affecting normal operation, and potentially causing damage to components.
- Do not place heavy objects on the power cord. This will damage the wires, causing short circuit and fire.
- Do not pull out the plug with wet hands directly. As it may cause electric shock and harm the body.
- Do not forcefully stretch, twist, or fold the power cord, and avoid exposing it to high-temperature objects. These practices can damage the wire, leading to short circuits and fire hazards.
- The power cord should not be easily kicked or touched by people, as it may cause injury and damage to the machine.
- Use the correct voltage and fuse as specified in the technical parameters. Using non-standard voltage may result in short circuits and fires, and using substandard fuses can damage the machine and lead to fires.
- Do not attempt unauthorized repairs on the machine, as it may lead to fires or malfunctions, including loss of control during operation.

## ■ Technical Supports

Respected Customer,

Hello! Thank you for purchasing products from Guangzhou Palm Fun Electronic Co., Ltd.! We will continuously improve the quality of our products and services to provide you with higher-quality, efficient, and professional products and after-sales service. To protect your legitimate rights, please carefully read the entire manual to understand the services provided by our company and the ways to obtain them. If damage to the

product or accessories occurs due to failure to follow the requirements in this manual, we are not responsible for warranty coverage but offer paid replacement services for products or accessories.

#### I. Warranty Terms:

This product follows a 12-month warranty policy for electronic component quality issues, starting from the date of your purchase (based on the date on the official purchase receipt).

#### II. Situations not Eligible for Free Warranty:

After your purchase, if the product experiences malfunctions or damage due to any of the following reasons, our company will not provide services according to the warranty terms but will offer paid services:

The machine or components have exceeded the standard warranty period.

LCD screen surface damage (scratches, leakage, fractures, etc.) caused by human factors.

Product malfunctions or damage caused by incorrect installation, storage, or usage not in accordance with this manual's requirements.

Repairs by non-certified maintenance personnel from our company, and customer-induced handling (operational errors, scratches, impacts during

transportation, water exposure, inappropriate voltage input, etc.) causing product malfunctions or damage.

Lack of valid warranty certificates and purchase receipts.

Unauthorized alterations to the warranty certificate and purchase receipt.

Product model and serial number on the warranty certificate do not match the actual product.

Malfunctions or damage caused by using accessories not provided or specified by our company.

Malfunctions or damage due to force majeure such as natural disasters (earthquakes, fires, etc.).

### III. Service Methods:

In case of product malfunctions, please call the hotline of our company's certified service provider to report the issue.

For product malfunction repairs, you must first send the faulty parts back to our company and provide relevant purchase vouchers.

### IV. Special Reminder:

Components replaced during the warranty process are owned by our company.

Paid services include labor costs and repair material costs.

For inquiries related to any product information (operating methods, specifications,

repair methods, authorized repair stations by our company, etc.), please contact the designated after-sales representative of our company.

V. Service Technical Support and After-Sales Service E-Mail & Hotline:

E-mail: [luobin@palm-fun.com](mailto:luobin@palm-fun.com)

Hotline: +86-138 0293 6138 / 181 4571 6250

QR code:

