Instruction Manual

Elastic Planet

⚠️ **In order to ensure the long-term normal use of this product, it should undergo a comprehensive inspection every 7 days during operation, with a particular focus on regularly applying lubricant to the upper and lower chutes.**
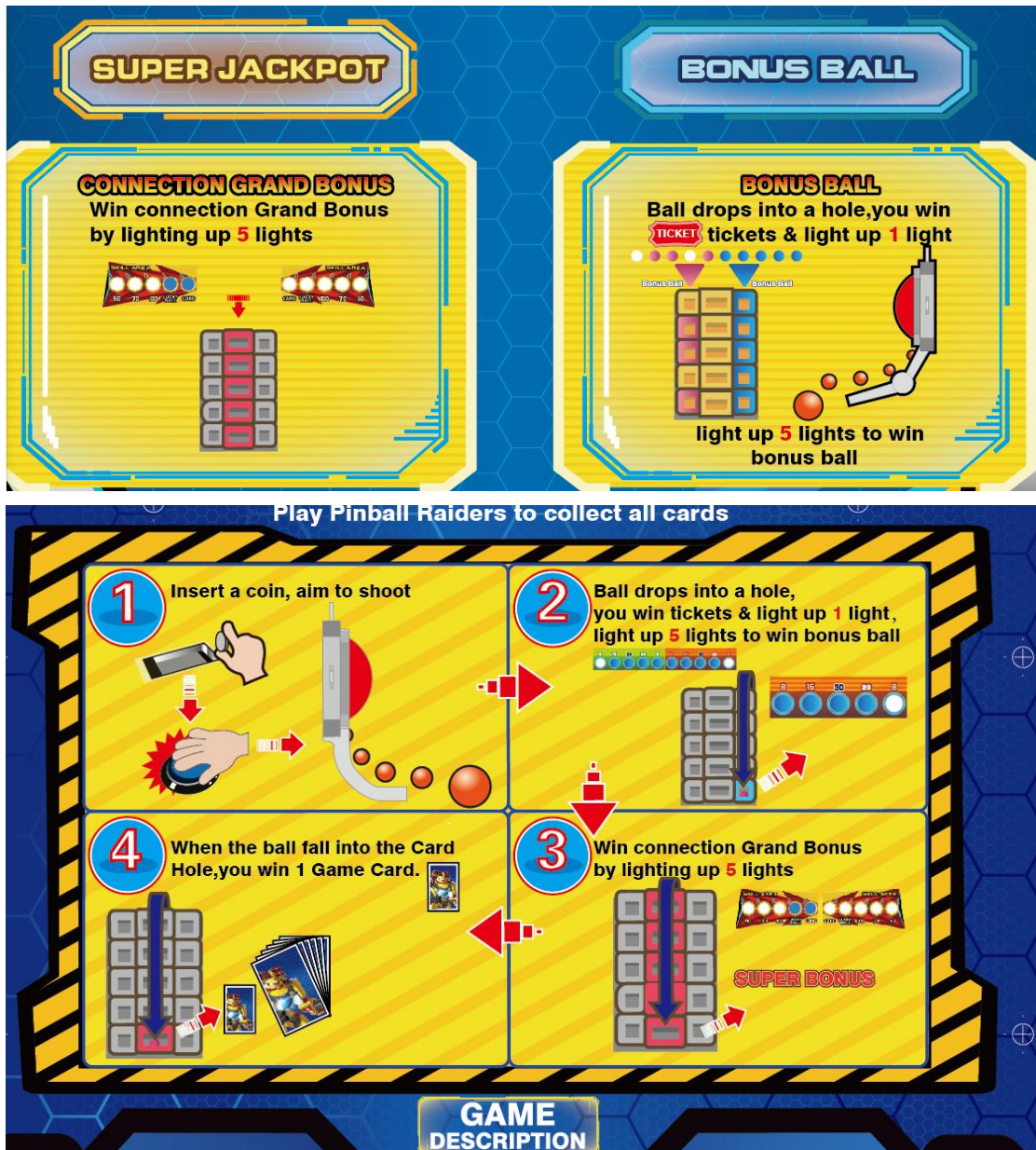
Contents

1, Game Introduction:

"Elastic Planet" is a carnival game machine crafted for public amusement, specifically designed for indoor entertainment. Boasting a delightful and vibrant appearance, this machine combines stability and durability, offering an easily comprehensible game. It stands as one of the premier entertainment products, enhancing revenue in any playground setting.

2, Gameplay:

3, Features of This Game:

◎ New Gameplay Experience: Exciting, engaging, and leisurely.

◎ Elegant Design: Featuring vibrant patterns and exquisite details, constructed with high-quality materials such as iron, metal, and plywood. The steel components undergo rust treatment, ensuring safety and durability.

◎ Advanced Technology: Incorporating large-scale integrated circuits for stable and reliable performance.

◎ Compatibility: Designed to accommodate various high-end lottery machines.
Revenue Optimization: Fine-tuned game programs for adjustable and optimized revenue rates.

4, 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

5, Technical parameters and specifications

(1) Technical parameters

➢ The working voltage： **220V/110V** （Determined by the nameplate information）

➢ The power consumption：Minimum power：**250W**

Maximum power：**350W**

➢ Dimensions： **W1380×D1800×H2650(mm）**

> ➢ The weight：about 340 kg

> ➢ Environment conditions：（Indoor）Temperature：-10℃ ～ +40℃

> Humidity：≤90％

> Atmospheric pressure：86KPa ～ 106KPa

※ Any changes to the above technical specifications will not be noticed separately.

(2) Specification requirements

■ Please verify the following contents in the list after open the package.

Desc.	Specification or material	Origin (Supplier)	QTY	Unit	Remarks
Elastic Planet	**W1380×D1840× H2600(mm）》**	PALM*FUN	1		
American power line	DZ-301.10A\250V		1		Three straight head power line length 1.5 meters.
Infra-red	GP2A25		1		
Fuse	6×30mm5A\250V		1		
Key			2		
Electromagne t	DBX		1		
Instructions			1		

6, Operating Guidelines

■ Each boot pointer will automatically detect bonus position, If it is not aligned, turn off the power to restart

■ The test and set

Entry of test program: when the machine is working, press the "setup key" or "Service" on the setting board to enter the setup program;

Pinball parameter setting   PALM*FUN

NO.	Menu content	range	explain	default
1-	total coin quantity.			
2-	Total number of			
3-	Total card issuing			
4-	Total card issuing quantity		Press the "Start "key to clear the current number of remaining lottery tickets, and the cleared number of lottery tickets will be accumulated to the total number of	
C00	single game currency	0-4	0:free mode	1
C01	Multi-ball	1~5	Multi-ball 1 can be set in each game	1
C02	game time	10~40	Press the "Select" key for 5 seconds to accumulate.	10
H00	H00 goal, smooth eye	1~50		8
H01	H01 goal, smooth eye	1~50		15
H02	H02 goal, smooth eye	1~50		30
H03	H03 goal, smooth eye	1~50		20
H04	H04 goal, smooth eye	1~50		8
H05	H05 goal, smooth eye	10~500		50
H06	H06 goal, smooth eye	10~500		70
H07	H07 goal, smooth eye	10~500		100
H08	H08 goal, smooth eye	3~5	The value only indicates the number of balls sent, and no tickets are given.	3
H09	H09 goal, smooth eye	0~500		300
H10	H10 goal, smooth eye	1~50		8
H11	H11 goal, smooth eye	1~50		15
H12	H12 goal, smooth eye	1~50		30
H13	H13 goal, smooth eye	1~50		20
H14	H14 goal, smooth eye	1~50		8
H15	JP initial ticket	300~2000	Press the "+" to increment every 100.	1000
H16	JP accumulation	1~3	Accumulate this value with the total score of JP every time you play.	1
H96	Optical test			
H97	Data clearing		Such as clearing the number of coins, lottery tickets, etc.	
H98	Restore factory settings.		Restore factory default parameters.	

Press "SET UP" or "Service" again, and at this time it is displayed as "1-": total coin-operated quantity (displayed by digital tube).

Press the "Set key" again, and it will now display "2-", the total number of refunds (displayed by digital tube).

Press the "Set key" again, and it will now display "3-", the total card output quantity (digital tube display).

Press the "Set key" again, and it will display as "4-" at this time, indicating the total number of tickets owed (displayed by digital tube).

Press the "Set key" again, and it will be displayed as "C00" seconds. Set a few coins to play a game (digital tube display).

Press the "Set key" again, and it will be displayed as "C01" for 1 second, and set several balls in one game (digital tube display).

Press the "Set key" again, and it will be displayed as "C02" for 1 second, and set the countdown time for starting the game (digital tube display).

Press the "Set key" again, and it will show "H00" to "H14" seconds, which respectively represent 15 in the prize pool

Winning slots (displayed by digital tube). Every time a winning slot value is set, the corresponding winning slot will "flash".

Press the "Set key" again, and it will be displayed as "H15" for 1 second, and the value of super connection prize will be set.

Press the "Set key" again, and it will be displayed as "H16" for 1 second, and the value of each coin invested in the Super Connection Award will be set.

Press the "Set key" again, and it will display as "H96" for 1 second, so as to perform optical eye test.

H10	H05	H00
H11	H06	H01
H12	H07	H02

H13	H08	H03
H14	H09	H04

7, Winning value setting:

Setting instructions of prize pool value:

Digital display	instructions	Settable range	Factory settings
H 0 0	Setting the goal 1	0 － 5 0 0	1 0
H 0 1	Setting the goal 2	0 － 5 0 0	2 0
H 0 2	Setting the goal 3	0 － 5 0 0	3 0
H 0 3	Setting the goal 4	0 － 5 0 0	2 0
H 0 4	Setting the goal 5	0 － 5 0 0	1 0
H 0 5	Setting the goal 6	0 － 1 5 0 0	5 0
H 0 6	Setting the goal 7	0 － 1 5 0 0	1 0 0
H 0 7	Setting the goal 8	0 － 1 5 0 0	2 0 0
H 0 8	Setting the goal 9 (3 balls）	3 balls	
H 0 9	Setting the goal 10	200	
H 1 0	Setting the goal 11	0 － 5 0 0	1 0
H 1 1	Setting the goal 12	0 － 5 0 0	2 0

H 1 2	Setting the goal 13	0－5 0 0	3 0
H 1 3	Setting the goal 14	0－5 0 0	2 0
H 1 4	Setting the goal 15	0－5 0 0	1 0

8, Proposal for Setting Parameters

Recommended expenditure table of value (after setting, the average number of lottery tickets will be 2 COINS per game as the standard; if one coin per game is reduced, the average number of lottery tickets will be 2 times)

Suggestion 1		
Average number of lottery tickets		**30**
10	**50**	**10**
20	**100**	**20**
30	**200**	**30**
20	**Lucky ball**	**20**
10	**300**	**10**
Table button		
Suggestion 2 Factory Default		
Average number of lottery tickets		**20**
8	**50**	**8**
15	**70**	**15**
30	**100**	**30**
20	**Lucky ball**	**20**
8	**300**	**8**
Table button		

9, Faults Troubleshooting

NO.	Error code	Code description.	Code failure analysis and troubleshooting.	Code fault resolution method.
1	E01	The forward and reverse motors run slowly.	1. The voltage of the forward and reverse motors is insufficient 2. The forward and reverse motors are aging.	1: measure the motor voltage 2: replace the motor.
2	E02	When starting, the long needle of the conveyor belt can't sense the ball for a long time.	1. The motor of conveyor belt does not work or the line contact is poor; 2. The long needle of conveyor belt moves slightly. No work or poor line contact: 3: no ball or stuck ball, ball dropped.	1: Check whether the motor and micro-motion circuit are in good contact; 2: Measure whether the motor voltage is normal; 3: Whether there is a "dripping" sound when the long needle is manually moved.
3	E03	When hitting the ball, the U-shaped light eye for catching the ball senses in advance.	1: the receiving and transmitting eyes of the catching u-shaped optical eye are at different levels (the LED indicator is always on).	1: fine-tune the water of transmitting and receiving light eye; 2: replace the u-shaped light eye for catching the ball.
4	E04	The conveyor belt has delivered the ball, and the U-shaped optical eye for receiving the ball has no induction.	1: whether the electromagnet has a ball; 2: whether the u-shaped optical eyeliner for catching the ball is in poor contact.	1: If there is a ball, replace the optical eye or check the circuit, and if there is any ball stuck or blocked. 2: If there is no ball, check whether there is a ball falling inside the chassis or the electromagnet will not attract, resulting in early ball falling.
5	E05	During the game, the ball can't be detected for a long time by jogging the long needle of the conveyor belt.	1. The ball can't be hooked by the conveying belt hook 2. The ball is empty, and the number of balls is not enough 3. The ball falls.	1. Check whether the fastening screws of the ball hooks are loose. 2. Check whether all the balls are in the ball hooks of the conveyor belt. 3. Check whether any balls fall inside the chassis.
6	E06	The motor does not reset or does not run when the game starts; Operation terminated abnormally within 1S; Occasionally E6 doesn't work.	1: whether the motor board and the positive and negative rotation motor are damaged or whether the wires are in poor contact; 2: the wire insertion of the code wheel optical eye is poor or the code wheel optical eye is damaged.	1: Check whether the motor board and motor are damaged, the plug-in contact is poor, and the running track of the code wheel is bent.
	E07	Winning pool detection. Wrong goal (long time without sensing the ball).	1. Pinball missed the prize pool. 2. The failure of optical eye detection in the prize pool.	1. Pinball falls to other places or bounces to another place in the prize pool. 2. Enter the background for optical eye test.

Serial number	Fault	Cause analysis	Resolution
1	The whole machine doesn't work.	1. Power outages 2. Power short circuit 3. E Damage to power switch 4. Filling of fuses	1. Check power supply AC failure, 220V \ 110V power supply is not normal 2. Test AC short circuit, 12V and 5V short circuit to GND 3. Replace electric switch(wire box inlet assembly) with fuse
2	No sound.	1. Bad horn, loose thread 2. Main board failure	1. Change the horn. 2. Change motherboard
3	No coin.	1. The line doesn't go to the motherboard. 2. Mint damage.	1. Testing of coin lines 2. Coin changer
4	Ticket machines are always issued or do not issue tickets from time to time	1. Ticket machine stuck or damaged 2. Feedback signal lines do not reach the motherboard	1. Ticket Exchange 2 Tracking lines 3. Number of ticket machine repairs and supplements
5	No response to setting button	Set Key	1. Test settings for key lines 2. Detect settings keys

6	1. Set save data, storage failure 2. Problems setting data retention 3. Game save data storage failed	system	1. After the restart, there are still problems, replacing the motherboard 2. Enter setup mode, confirm setup and save(there are still problems replacing motherboards) 3. After the restart, there is still a problem, replacing CPU 4. Inspection of lines
7	The goal of LED IO can not be sensed.	1 .1. No communication 2. No input signal into the ball's light eye(more than 2 consecutive times in the game can not sense the goal)	1. Detection of the presence of a clip in the track 2. Detection of glassy eye state
8	The LED IO can't feel properly.	The light eye continues to signal.	1. Detection of IO board wire 2. Test for Goal I Board Eye
9	1. Detection of IO board wire 2. Test for Goal I Board Eye	1. After the ball is out of the lift, the light eye of the ball device has no signal 2. After serving, the light eye of the ball device always has a signal	1 .1. Check the optical eye of the ball device 2. Check the ball track card 3. Check the action of the solenoid valve
1 0	The tee track can't move up and down.	1. Does not turn the motor on or has no signal in the optical eye(problem with the S/W sensor switch	1. Check motor movement 2. Check the motor to turn the eye 3. Check the S/W sensor switch up and down the serving device

		above and below the serving device)	
11	The ball on the belt is malfunctioning.	1. The S/W sensor switch problem up and down the ball mechanism 2. The motor problem of the ball mechanism	1. Detection of motor movements 2. Test for balls 3. Detection of S/W sensor switches 4. Testing belt tension(rotation)

10, Steps for Detecting and Resolving Faults.

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；

(3) If in normal voltage, press the TEST button again to exit the software test, or re-boot.

11, 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..
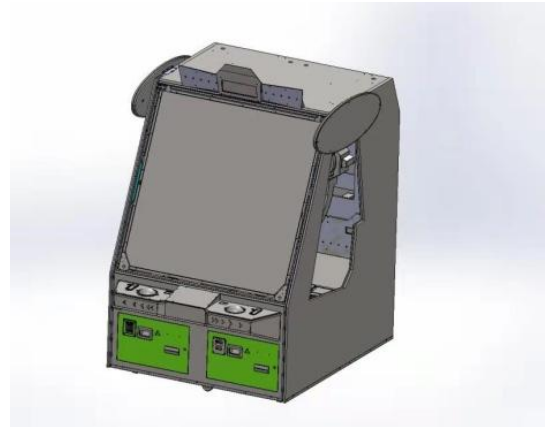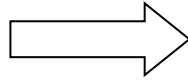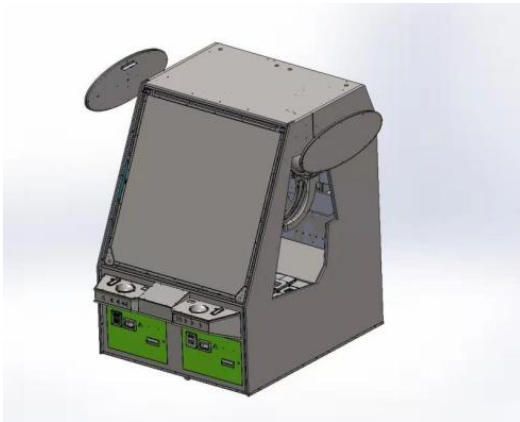
- Ensure compliance with manufacturer's requirements when moving, flipping, transporting, etc.If not,will cause damages to the device and compromise machine performance.
- This machine is only for indoors using, Outdoors using will affect machine performance.
- Please do not use the machine in the following 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.
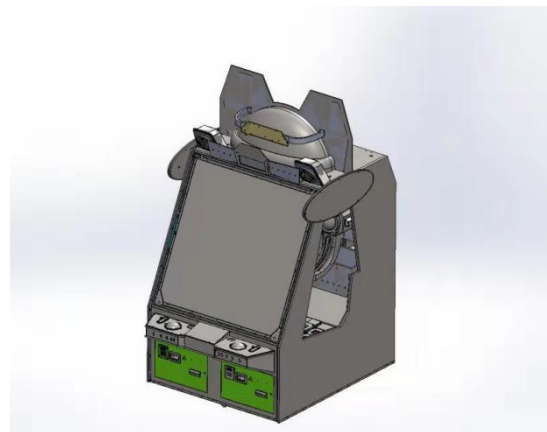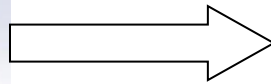
12, Installation Diagram

1. FIX AND INSTALL DECORATIONS ON BOTH SIDES (OVAL).

2. INSTALL THE SUPER PRIZE DISPLAY COMPONENT.

3. INSTALL LEFT AND RIGHT SPEAKERS.

4. INSTALL OVERHEAD CRYSTAL BLISTER AND KT

Installation drawing and game description WeChat official account

(after-sales telephone: 138 0293 6138).

Note: When installing each component, it must ensure that it is completely fixed and connected with the interface of the power supply lamp！