



MECHA-PINBALL

Instructions for use

Version number: V2.0
Compiled: January 2024

Catalogue

Machine parameters and hardware introduction

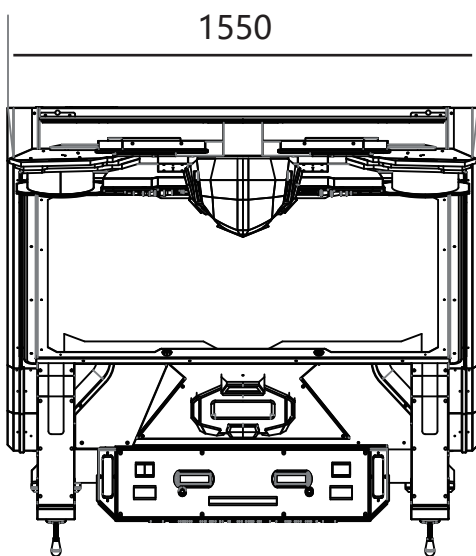
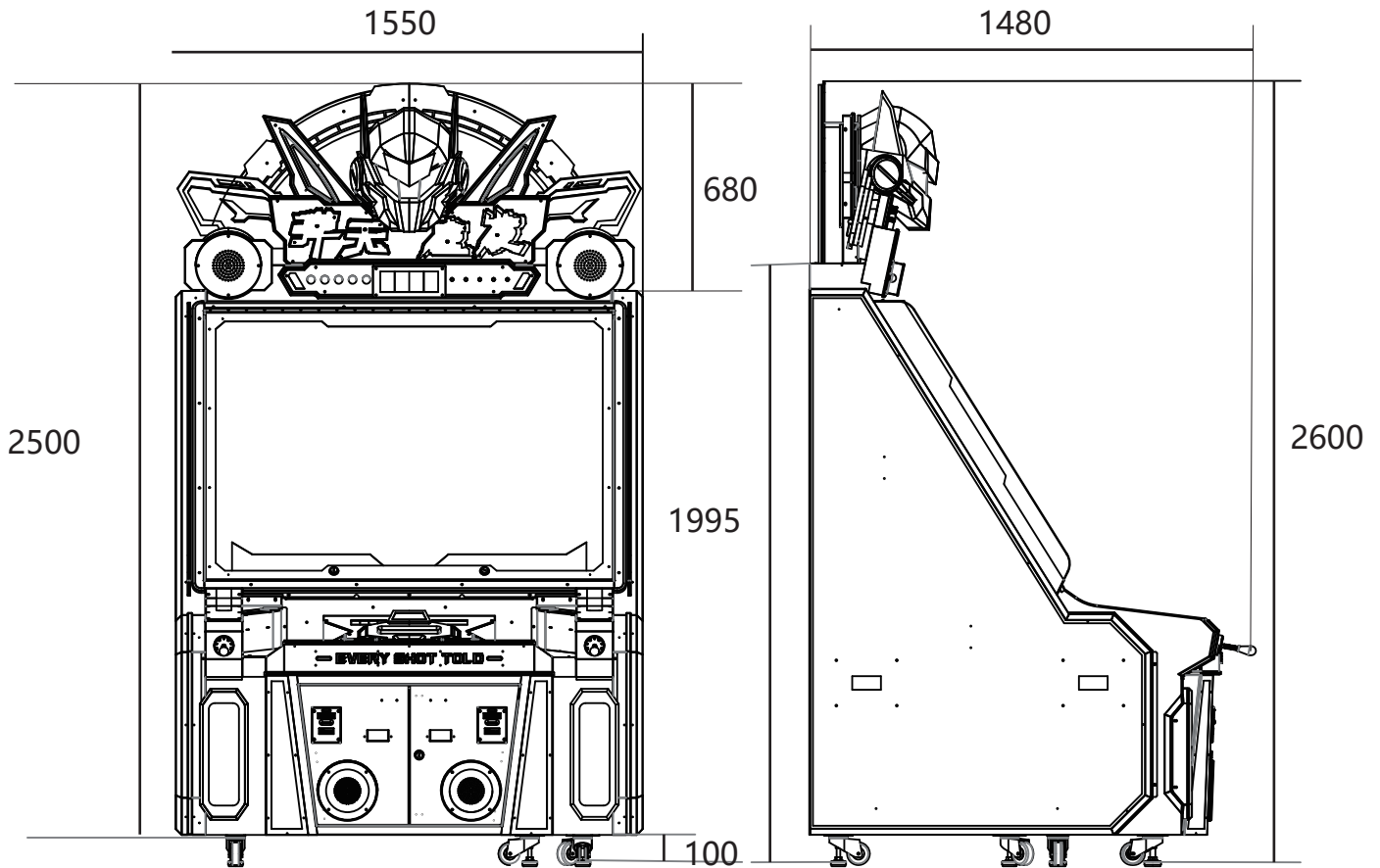
- I . Machine parameters —————1
- II. Hardware introduction —————2

Pre-use instructions

- III.Gameplay description —————3-4
- IV. Game illustration description - 1: Appearance —————5
- V . Basic setup and account inquiry ————— 6
- VI. Fault and solution ————— 7
- VII. Fault code and solution ————— 8
- VIII. Wiring diagram ————— 9-17
- IX. Precautions ————— 18

I . Machine parameters

- The dimensions and technical parameters are shown below
- Length MM



Machine technical parameters

Machine size

1550*1480*2600(MM)-including plate head
1550*1480*1995(MM)-without plate head

Package size:1650*1575*2092(MM)

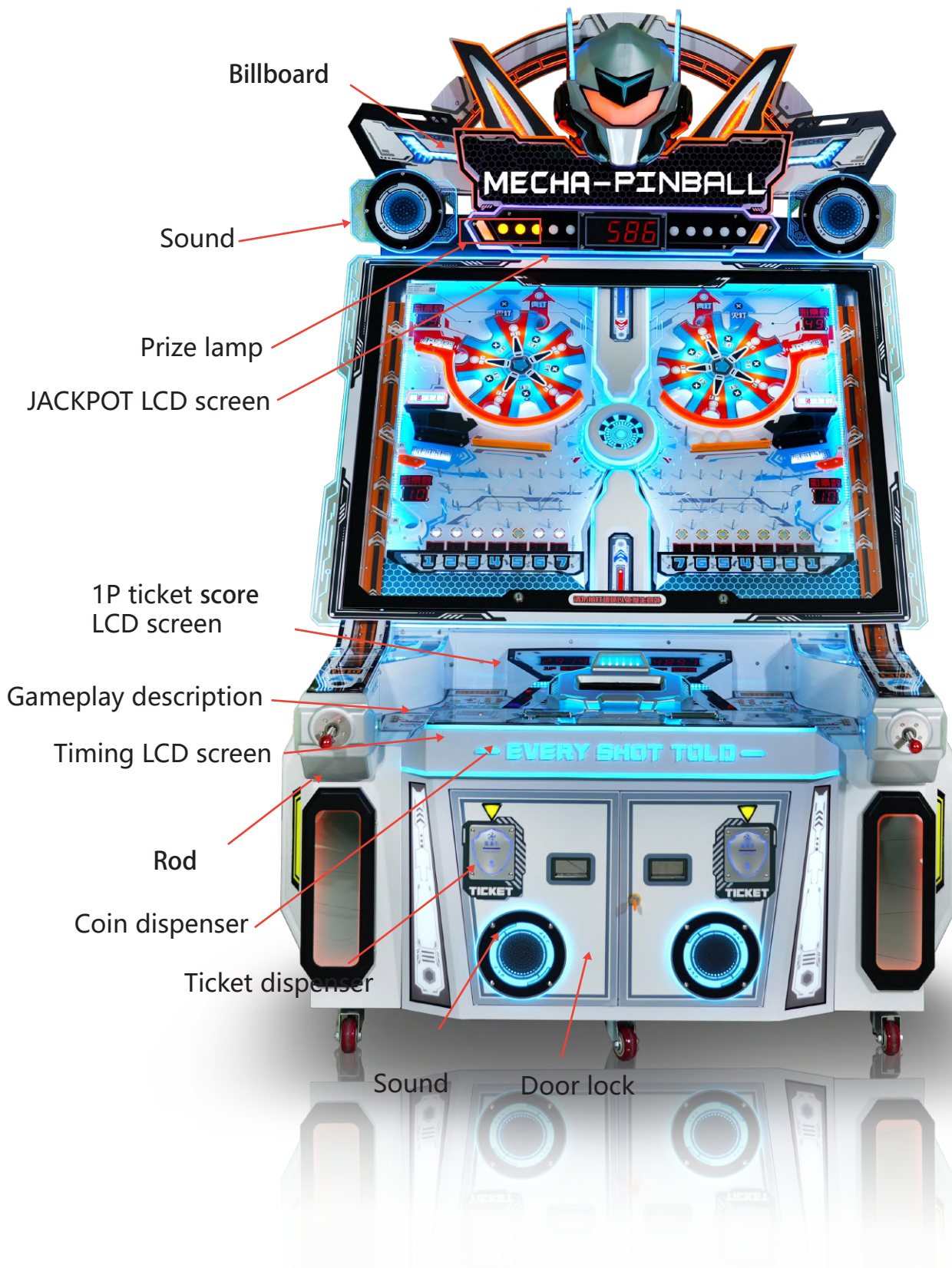
Net weight: 350 KG

Rated voltage: 220V

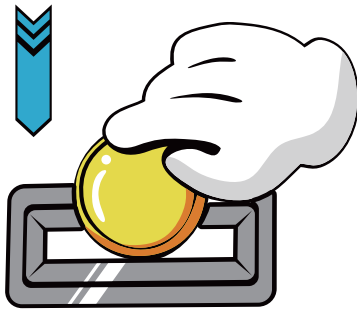
Power: 360 W

Ambient conditions (indoor)
Temperature: -10°C ~ +40°C

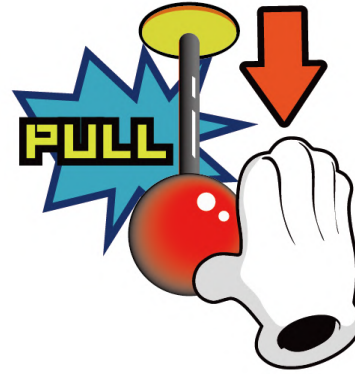
II. Hardware introduction



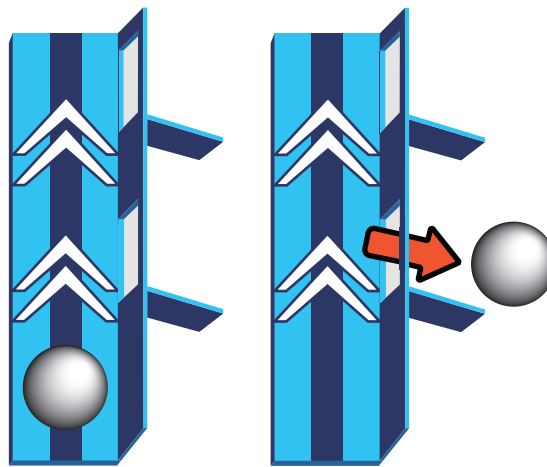
III. Gameplay description



Insert coins



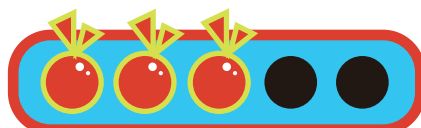
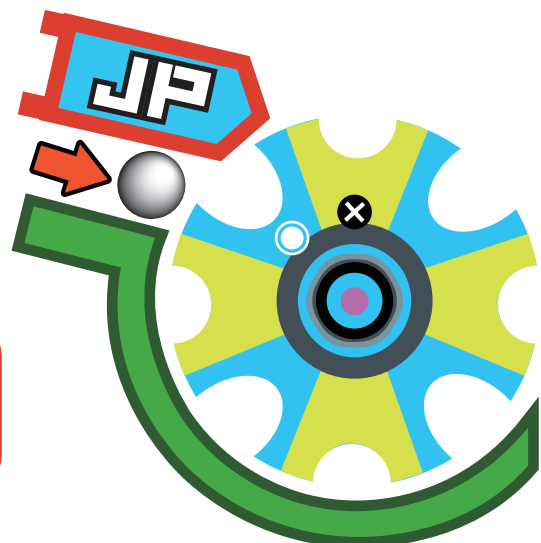
Pull rod



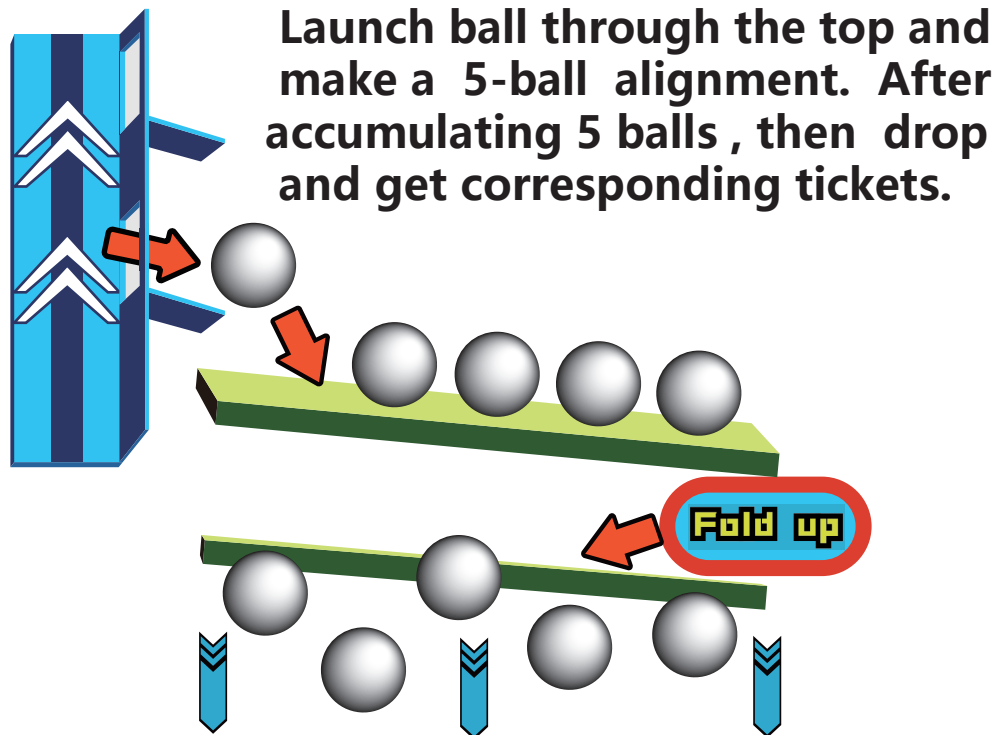
Get tickets if ball falls into the hole



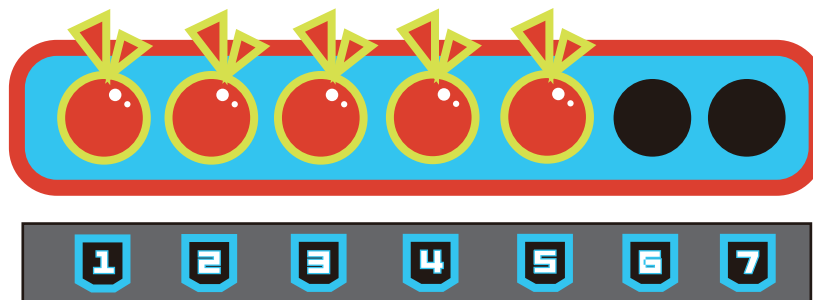
The ball falls into the JP turntable light hole and turn on a light; enter the light off hole, turn off 1 light, gather 5 lights, to win JP prize.



4



5



When all light holes are lit, the party time is activated, and the tickets within a certain time is doubled.

IV. Game illustration description - 1: Appearance

Machine appearance is shown in the following figure



V. Basic setup and account inquiry

1. **Game volume:** Adjust game volume 0-16
2. **Demo volume:** Adjust demo volume 0-16
3. **Game time:** Adjust the game time for 10S-30S
4. **Party time:** Adjust Party Time for 10S-60S
5. **Coins per game:** Adjust the coins per game 0-10 coins
6. **Number of balls per game:** Adjust the number of balls per game 1-5 balls
7. **One coin several tickets:** Adjust 1 coin several votes 1-50 tickets
8. **Ticket score:** Adjust the ticket score value 1-2
9. **Consolation Prize Ticket:** Adjust the Consolation Prize 0-20 tickets
10. **JP Channel tickets:** Adjust JP channel tickets 0-100
11. **Whether the JP Prize is off:** Yes/no
12. **Empty the accounts:** Empty the accounts
13. **Default Settings:** Restore default Settings Yes/no
14. **Language:** Chinese/English
15. **Hardware test:** Hardware test

VI. Fault and solution

- 1. The score of 1-7 micro-motion no induction:** check whether the micro-motion jack is inserted tightly and check whether the micro-motion is damaged.
- 2.JP prize wheel failure:** Check whether the power supply of the motor is faulty.
- 3. Stop the ball at the ball opening:** check whether the ground is smooth and whether the ball opening is deformed.
- 4. 5 Ball holding area:** Check whether the electronic valve is damaged, check whether the operation is smooth.
- 5. Consolation prize Micro-motion is not induced:** check whether the micro-motion jack is inserted tightly and check whether the micro-motion is damaged
- 6. Coin dispenser card coin:** Check whether the jack is inserted tightly, or replace the coin dispenser.

VII.Fault code and solution

E1 Refund failure

1. Check the ticket refunder cable
2. Check the dip setting of the ticket returner (normal, high level)

E2 The consolation prize channel is faulty

1. Check the consolation prize channel to detect the micro wire
2. Check the consolation prize channel to detect frets

E3 JP Prize motor detects optical eye fault

1. Check the JP prize channel to detect the micro wire
2. Check the JP Award channel to detect micromotion

E4 Ball sending timeout fault

1. Check the ball optical inspection wire
2. Check the ball feed eye

E5 The connection to the digital tube light board is faulty

1. Check the connection line of the digital tube light board
2. Check the power supply

E6 The ball release channel detects a fault

1. Check the ball release channel to detect the micro wire
2. Check the release channel to detect micromotion

VIII. Wiring diagram

Mother Board:

Seat number	Foot position	Identification	Effect	Remark
J15	1	+	Sound +	Connecting horn (reserved)
	2	-	Sound-	
J16	1	+	Sound +	Connecting horn (reserved)
	2	-	Sound-	
J18	1	Audio frequency	Audio	Connect power amplifier (reserved)
J33	1	V		Stepper Motor 1 (reserved)
	2	CW		
	3	CCW		
	4	CS		
J34	1	V		Stepper Motor 2 (reserved)
	2	CW		
	3	CCW		
	4	CS		
J35	1	V		Stepper Motor 3 (reserved)
	2	CW		
	3	CCW		
	4	CS		
J36	1	B	Communication port B	485 Serial Port Communication (reserved)
	2	A	Communication port A	

J5	1	12V	12v power input	Box power supply
	2	GND	Ground wire	
	3			
J26	1	GND		Connected liquid crystal (left)
	2	5V		
	3	V01		
	4	CS1		
	5	SID1		
	6	SCLK1		
	7	5V		
	8	GND		
J25	1	GND		Connected liquid crystal (right)
	2	5V		
	3	V02		
	4	CS2		
	5	SID2		
	6	SCLK2		
	7	5V		
	8	GND		
J38	1	SER1		Digital tube light Board (left)
	2	SRCK1		
	3	RCK1		
	4	5V	5v power output	
	5	12V	12v power output	
	6	GND	Electric wire	
J37	1	SER2		Connect the console time <u>nixie</u>
	2	SRCK2		
	3	RCK2		
	4	5V	5v power output	
	5	12V	12v power output	
	6	GND	Ground wire	
J29	1	5V	Optical eye 5v power output	TTL Serial Communication 1 (reserved)
	2	RX1		
	3	TX1		
	4	GND	Optical geodesic	
	5	12V	12v power output	
J31	1	5V	5v power output	TTL Serial Communication 2 (Light board) (left)
	2	RX2	Receive 2	
	3	TX2	Send 2	
	4	GND	Ground wire	
	5	12V	12v power output	
		x5	Optical eye 5v power output	TTLSerial communication 5 (reserved)

	3	TX5		
	4	GND	Optical wire	
	5	12V	12v power output	
J30	1	5V	5v power output	TTL Serial Communication 4 (Street light panel) (right)
	2	RX4	Receive 4	
	3	TX4	Send 4	
	4	GND	Ground wire	
	5	12V	12v power output	
J8	1	12V	12v power input	Power box Exclusively (reserved)
	2	12V	12v power input	
	3	GND5	Ground wire	
	4	GND5	Ground wire	
J7、 J11	1	V	12v power supply	Marble ejection path light strip (left)
	2	D	signal	
	3	G	Ground wire	
J12、 J13	1	V	12v power supply	Bead ejection path light bar
	2	D	signal	
	3	G	Ground wire	
J19、 J20	1	B1	Blue light drive	(reserved)
	2	R1	Red light drive	
	3	G1	Green light drive	
	4	V1	12v power output	
J22、 J23	1	B2	Blue light drive	(reserved)
	2	R2	Red light drive	
	3	G2	Green light drive	
	4	V2	12v power output	
J1	1	VM1	12 V power input 1	Connect Power box Just for J3 (Left)
	2	VM1	12 V power input 1	
	3	GND1	Ground wire	
	4	GND1	Ground wire	
J3	1	M1-		1P Grand Motor (speed regulation)
	2	M1+	1P Grand Prize motor +	
	3	M2-		
	4	M2+	1P Grand Prize Motor -	
	5	M3-		
	6	M3+		
	7	M4-		

	8	M4+		
J2	1	VM2	12 V power input 1	Connect Power box Just for J4 (Right)
	2	VM2	12 V power input 1	
	3	GND2	Ground wire	
	4	GND2	Ground wire	
J4	1	M5-		2P connects to the grand prize motor (speed regulation)
	2	M5+	2P Grand Prize Motor +	
	3	M6-		
	4	M6+	2P Grand Prize Motor -	
	5	M7-		
	6	M7+		
	7	M8-		
	8	M8+		
J6	1	VDD4	12v power input 4	Power box Just for JP1 (Left)
	2	VDD4	12v power input 4	
	3	GND4	Ground wire	
	4	GND4	Ground wire	
JP1	1	VDD4	Solenoid valve code meter 12v power supply	1P ball discharge solenoid valve and ball feed motor 12v
	2	VDD4	Motor code meter 12v power supply	
	3	IN1		
	4	LM1	1P drop ball solenoid valve drive 1	
	5	IN2		
	6	LM2	1P drop ball solenoid valve	

			drive 2	
	7	IN3		
	8	LM3	1P ball motor drive	
	9	IN4		
	10	LM4	1P coin-operated meter drive signal	
	11	IN5		
	12	LM5	1P Return code table driver signal	
	13	IN6		
	14	LM6		
	15	IN7		
	16	LM7		
J27	1	VDD3	24v power input 4	Connect Power box Just for JP4(Right)
	2	VDD3	24v power input 4	
	3	GND3	Ground wire	
	4	GND3	Ground wire	
JP4	1	VDD3	Solenoid valve 12v power supply	2P ball solenoid valve and ball motor 12v
	2	VDD3	Motor 12v power supply	
	3	IN8		
	4	LM8	2P drop ball solenoid valve drive 1	
	5	IN9		
	6	LM9	2P drop ball solenoid valve drive 2	
	7	IN10		
	8	LM10	2P ball feed motor drive	
	9	IN11		
	10	LM11	2P coin-operated meter drive signal	
	11	IN12		
	12	LM12	2P refund code table driver signal	
	13	IN13		
	14	LM13		
	15	IN14		

Remark	Foot position	Principal plane	Solder side	Foot position	Remark
Coin dispenser ground wire	GND	1	2	GND	
Ground wire	GND	3	4	GND	Outgoing ball detects ground cables
	GND	5	6	GND	
1P Grand motor check signal	KE1	7	8	KE2	JP Prize light up key signal
Settings	KE3	9	10	KE4	JP Prize light off key signal
Set on	KE5	11	12	KE6	5 ball award key signal
Under Settings	KE7	13	14	KE8	Ejection channel light eye signal 1
Supplementary ticket	KE9	15	16	KE10	Ejection channel light eye signal 2
Clear tickets	KE11	17	18	KE12	Outgoing ball

					detection signal
Back	KE13	19	20	KE14	Consolation prize light eye signal
Coin signal	KE15	21	22	KE16	Return ticket signal
Coin meter power supply	12V	23	24	12V	Refund code meter power supply
Electrical power supply	12V	25	26	12V	
	12V	27	28	12V	
5 ball award lights 1 drive	LD1	29	30	LD2	5 ball award lights 2 drive
5 ball award lights 3 drive	LD3	31	32	LD4	5 ball award lights 4 drive
5 ball award light 5 drive	LD5	33	34	LD6	SSR ticket machine driver

JP3

Remark	Foot position	Principal plane	Solder side	Foot position	Remark

Coin dispenser ground wire	GND	1	2	GND	
Ground wire	GND	3	4	GND	Outgoing ball detects ground cables
	GND	5	6	GND	
2P Grand motor check signal	KE1	7	8	KE2	JP Prize light up key signal
	KE3	9	10	KE4	JP Prize light off key signal
	KE5	11	12	KE6	5 ball award key signal
	KE7	13	14	KE8	Ejection channel light eye signal 1
	KE9	15	16	KE10	Ejection channel light eye signal 2

	KE11	17	18	KE12	Outgoing ball detection signal
	KE13	19	20	KE14	Consolation prize light eye signal
Coin signal	KE15	21	22	KE16	Return ticket signal
Coin meter power supply	12V	23	24	12V	Refund code meter power supply
Electrical power supply	12V	25	26	12V	
	12V	27	28	12V	
5 ball award lights 1 drive	LD1	29	30	LD2	5 ball award lights 2 drive
5 ball award	LD3	31	32	LD4	5 ball award

lights 3 drive					lights 4 drive
5 ball award light 5 drive	LD5	33	34	LD6	SSR ticket machine driver

Ix. Precautions:

1. Do not place the machine in a place that is easy to shake or unstable.
2. Please avoid placing the machine near dangerous materials and equipment that is prone to spark.
3. Please avoid placing the machine in high temperature, high humidity and high dust environment to avoid damage to the machine parts.
4. Please avoid placing the machine outside, and the environment where water leakage and high temperature and humidity are easy to produce condensation.
5. At any time, it is forbidden to climb and stand on the machine to avoid injury to personal safety.
6. The company shall not be responsible for any casualties caused by improper or dangerous actions.
7. After using this product, please clean it regularly to avoid oil and other residues: do not use chemical solvents to clean.
8. If the power cord is damaged, it must be replaced by the manufacturer or professionals to avoid the risk of electric shock.

**Thanks for using this device
This instruction manual ends here
For matters not covered, please consult the
technical personnel of the manufacturer**

Guangzhou Xingmanle Entertainment Equipment Co., Ltd

After-sales technical support Tel: 150-1429-5854

189-9840-9855

Email: xml003@xmlplay.com

Add: F23、 25, Xingli Animation Game Industrial Park, Panyu District, Guangzhou