

# Blazing Balling II

## (User Manual)



Please read this User Manual carefully before you installing this product.

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# Preface

## 一. Brief description

1. Redemption
2. Innovative playing methods, exciting and full of entertainment.
3. Nice design with fantastic screen and high quality material.
4. Using large-scale integrated circuits, the built-in programs is steady and reliable.
5. Using import ticket machine.
6. Any ticket machines are acceptable.
7. Using import coin selector, the diameter is from 20mm to 28mm with high precision , stability and reliability.
8. Game program and revenue ratio can be adjustable )

## Playing Instruction

1. Insert coin , game start
2. Within the limit time, if the coin hit the plastic barrier with different scores and lighten the light, you can get the score.
3. When the coin fall into the slot of the big prize, you can get the big prize
4. When all the lights in the same color area are lighted, you get get the BONUS of online.

## 二. Dimension and technical parameter

1. Voltage: AC220V  $\pm$  5% 50Hz(OR AC 110V  $\pm$  5%, 60Hz);
2. The largest power:350W
3. Dimension: W1100 $\times$ D1450 $\times$ H2050 (mm)




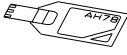
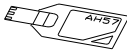


4. Weight:175kgs
5. The temperature : (Indoor) Temperature: -10~+40 $^{\circ}$ C Temperature:  
 $\leq$ 90%;Pressure: 86Pa~106Pa.)

### ≡. Enclosed list of the machine

For using the machine regularly , please check weather it has includes all the parts below before you use.

1. One mainframe
2. Spart parts, list of the table below:

No	Name	Size	PC	Unite	Picture	Remark
1	Power wire	1. 8M	1	PC		
2	Insurance tube	5XΦ20mm	2	PC		5A
3	Mamual		1	PC		
4	Key or the coin selector	AH78	1	PC		
5	Key of the door	AH57	1	PC		Indoor and back door
6	Reflecting cable		1	PC		Scoring

#### 四. Integral structure



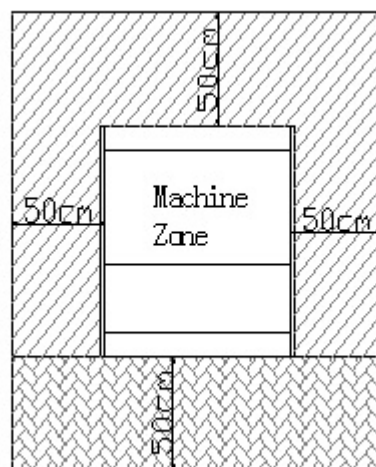
1. Turnplate of scoring
2. Coin selector
3. Scoring display
4. Time display
5. Coin falling track
6. Big prize of turnplate display
7. Placement of big prize display
8. Ticket out
9. Coin out

## 五. Installation, fixed and moving methods

1. This machine only can be used in the indoor, outdoor is prohibited.

It will affect the machine's performance, if you use it in the outdoor.

2. The machine should be placed as the following dimensions, which have enough space for air to flow, and the cooling would be better.



3. Do not use the machine in the following areas:

(1). The places which will make the machine produce condensate water or the areas of large condensation temperature;

(2). Places near hot objects

(3). Places near the dangerous goods

(4). The smooth or unstable places

(5). Near the equipment which is easy to produce sparks

(6). Place in a serious shock

(7). In the dusty environment.

4、When move it , you must pay attention to the following )

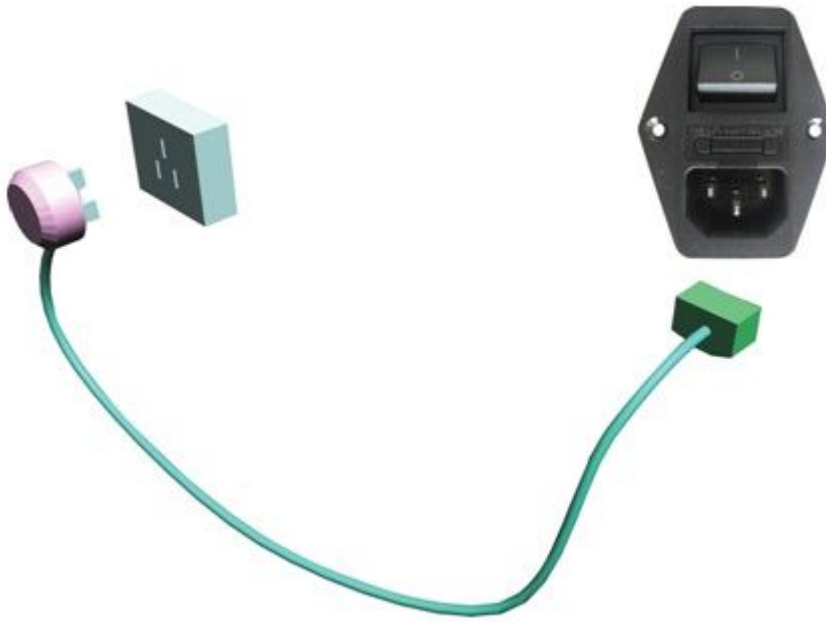
(1) When you move it, you must turn off the power and pull the power connection out.

(2) If the caster can not move when you moving, please replace the casters.

(3) Any moving, turning and transport artificial random could damage the device and destroyed the mechanical properties .

(4) Confirmed the process of moving , flipping and transportation meet the manufacturers requirements.

## 六. Methods of power connection

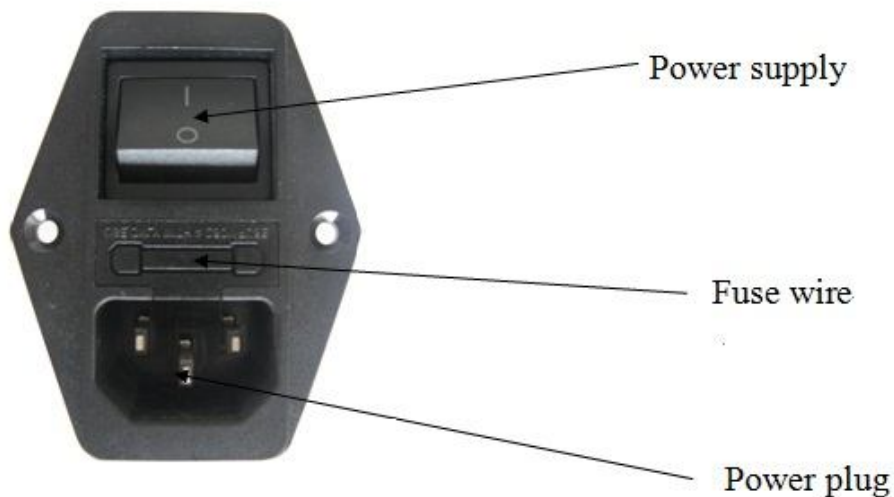


Look out:

1. Power cord can not be pressed by heavy objects, which would easily cause short circuit and may lead to serious fires.
2. When you pull the power cord out form the wall socket, you should seize the plug prefer grasp the wire.)
3. Can not pull the plug directly with wet hands.)
4. Can not force stretched and twisted the power cord, and the power cord can not be expose or near the object which in high temperatures.
5. The power cord can not be kicked or contact easily.
6. Must use the correct voltage and fuse (See the specification)

## 七、Powerbox description





- (1) This machine uses AC “220V ± 5% 50HZ (or 110V ± 5% 60HZ)
- (2) Insurance services installed exchange insured inside, as the specification “220V 6A Diameter 5—20mm (or 110V 12V Diameter 5—20mm)
- (3) The power switch is use for turn on/off the connection.
- (4) Ground terminal: connection with the dedicated ground.

## 八. Use and maintenance instruction

1. Must turn off the power when you repair or maintenance the machine. In order to avoid a short circuit, the staff should turn off the power before he contacts devices of the machine. If this operation requires power supply, you must subject to the requirements of the User Manual.
2. When you replacement the device, make sure you choose the appropriate parts. If you use the incorrect parts, it may cause fire or electrical short circuit, damage the mainboard and the device.
3. Do not removed, assembly and alteration equipments randomly. Which will cause fire or short circuit, mechanical failure and so on.
4. Confirmed the process of moving, flipping and transportation meet the manufacturers requirements. Any moving, turning and

transport artificial random could damage the device and destroyed the mechanical properties.

5. This machine only can be used in the indoor, outdoor is prohibited. It will affect the machine's performance, if you use it in the outdoor.)

6. Do not use the machin in the following areas: )

★Leakage or high humidity areas.

★Place near the hot objects.

★Places near the dangerous goods

★The smooth or unstable places

★Near the equipment which is easy to produce sparks

★Place in a serious shock

★In the dusty environment.

7. Do not place the vase with water, cups, containers ,chemicals and heavy objects above the machine. Overflow of liquid will lead to electrical short circuit and damage to the device, and chemicals will corrode machinery, and high-altitude Litter will harm the human body and damage the machine.

8. Do not put objects in the exhaust mouth of the machine. When the exhaust port is blocked, the machine's temperature will increases, which will affect the normal work and damage the device.

9. Power cord can not be pressed by heavy objects, which would easily cause short sircuit and may lead to serious fires.

10. When you pull the power cord out form the wall socket, you should seize the plug prefer grasp the wire. This will damage the wires, causing short circuits and fires.

11. Can not pull the plug directly with wet hands. Otherwise, it may cause electric shock injuries to the body.

12. Can not force stretched and twisted the power cord, and the power cord can not be expose or near the object which in high

temperatures. The above practices can damage the wires, causing short circuits and fires.

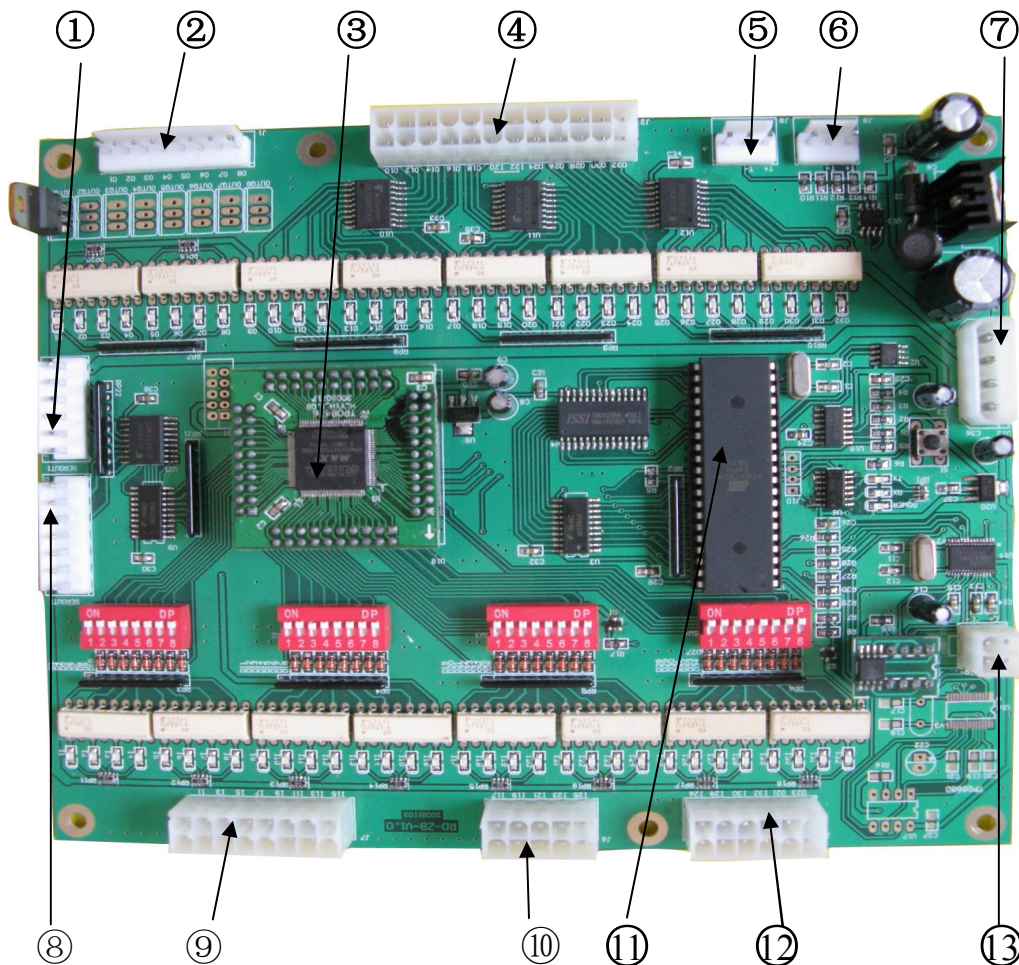
13. Power cord can not be kicked or contact easily. This will harm the human body and damage the machine.

14. Must use the correct voltage and fuse (See the specification).

Using other standard voltage will cause a short circuit and fire, and using the inappropriate security line will damage the machine or causing a fire.

15. Not arbitrarily or operation of fire control and other failures.

## 九. The mainboard instruction of Baby racing



- ① J4:serial output port 2
- ② J1:large current output terminal
- ③ CUP 2
- ④ J2:general output port
- ⑤ J8:serial correspond port 1
- ⑥ J9: serial correspond port 2
- ⑦ J12:power supply
- ⑧ J3: serial output port 1
- ⑨ J7:input port
- ⑩ J6: input port
- ⑪ J5:basic input and output, using for ticket machine, code table and coin selector
- ⑫ CPU 1
- ⑬ J13:voice output(connect with the power amplifier board )

## 十、 Test method

### **Program entry**

Press on the testing panel to enter and press the test button, it will show:P1,V10

### **Press the test button again, it will show: P2**

Nixie tube show:0.1.2.3.4.5.6.7.8.9

### **Press the test button again, it will show: P3**

Which is testing 32 input ports on the main board . The nixie tube will show the port code when you press the component of input port.

**Press the test button again, it will show: P4**

Which is testing the SW1、 SW2、 SW3、 SW4 on the mainboard.

Pull the DIP to “No”, the nixie tube show the code.

**Press the test button again, it will show: P5**

When the nixie tube shows P5, press the “CKEAPJP”button to enter the test . The nixie tube will show its output function

**Press the test button again, it will show : P6**

Which is testing all the music of the machine. Press the “CLEAPJP” button, the nixie tube will show its music code.

Function of DIP switch on main board

DIP setting bit	1	2	3	4	5	6	7	8	Function
SW1	ON								turn on the ticket machine or return coins machine
	OFF								turn off the ticket machine or return coins machine
		ON							save parameter when power off
		OFF							Not to save parameter when power off
			ON						Music on when machine in attraction state
			OFF						Music off when machine in attraction state
				ON	ON				playtime 9's /game
				OFF	ON				playtime 8's /game
				ON	OFF				playtime 6's /game
				OFF	OFF				playtime 4's /game
						ON	ON		The number of remaining ticket is 3
						OFF	ON		The number of remaining ticket is 2
						ON	OFF		The number of remaining ticket is 1
						OFF	OFF		The number of remaining ticket is 0
							ON	score light on the board neg when it is hitting. (scoring has light brighted )	
							OFF	Score light on board bright when it is hitting	
SW2	ON								JP tickets increase as the coins amount inserted increases
	OFF								JP tickets don't increase as the coins amount inserted increases
		ON	ON	ON					JP base tickets=300
		OFF	ON	ON					JP base tickets=260
		ON	OFF	ON					JP base tickets=200
		OFF	OFF	ON					JP base tickets=150
		ON	ON	OFF					JP base tickets=100
		OFF	ON	OFF					JP base tickets=50
		ON	OFF	OFF					JP base tickets=30
		OFF	OFF	OFF					JP base tickets=10
					ON	ON	ON		Maximum JP tickets=999
					OFF	ON	ON		Maximum JP tickets=800
					ON	OFF	ON		Maximum JP tickets=600
					OFF	OFF	ON		Maximum JP tickets=500
				ON	ON	OFF		Maximum JP tickets=300	
				OFF	ON	OFF		Maximum JP tickets=200	
				ON	OFF	OFF		Maximum JP tickets=100	
				OFF	OFF	OFF		Maximum JP tickets=50	
SW3	ON								JP coins increase as the coins amount inserted increases
	OFF								JP coins don't increase as the coins amount inserted increases
		ON	ON	ON					JP base coins=100
		OFF	ON	ON					JP base coins=60
		ON	OFF	ON					JP base coins=50
		OFF	OFF	ON					JP base coins=40
		ON	ON	OFF					JP base coins=30
		OFF	ON	OFF					JP base coins=20
		ON	OFF	OFF					JP base coins=10
		OFF	OFF	OFF					JP base coins=5
					ON	ON	ON		Maximum JP coins=800
					OFF	ON	ON		Maximum JP coins=500
					ON	OFF	ON		Maximum JP coins=300
					OFF	OFF	ON		Maximum JP coins=200
				ON	ON	OFF		Maximum JP coins=150	
				OFF	ON	OFF		Maximum JP coins=100	
				ON	OFF	OFF		Maximum JP coins=50	
				OFF	OFF	OFF		Maximum JP coins=10	
SW4		ON							go ticket
		OFF							go coins
			ON	ON					score on tickets board or coin board is 4
			OFF	ON					score on tickets board or coin board is 3
			ON	OFF					score on tickets board or coin board is 2
			OFF	OFF					score on tickets board or coin board is 1
					ON	ON	ON		get big prize when score on ticket board =300 or coins board =100
					OFF	ON	ON		get big prize when score on ticket board =2600 or coins board =60
					ON	OFF	ON		get big prize when score on ticket board =200 or coins board =50
					OFF	OFF	ON		get big prize when score on ticket board =150 or coins board =40
					ON	ON	OFF		get big prize when score on ticket board =100 or coins board =30
					OFF	ON	OFF		get big prize when score on ticket board =50 or coins board =20
					ON	OFF	OFF		get big prize when score on ticket board =30 or coins board =10
					OFF	OFF	OFF		get big prize when score on ticket board =10 or coins board =5
							ON	6 group score light on the board have change when it is hitting, scoring single group scoer. (hitting one group maximum score ,another groups score light not change)	
							OFF	Scoring light changing on the board when it is hitting.	

## BLAXLING BALLING PCB BOARD CONNECTING TALBE

connection line port	no	Corresponding to I/O port	usage	connection line port	no	Corresponding to I/O port	usage
J1 Large current output port	1	OUT1	blue light controll	J5 Basic input and output ports for tickets machine, timer table and coin selector	1	IN26	1#coin selector input
	2	OUT2	blue light control 2		2	IN27	2#coin selector input
	3	OUT3	top flashlight of the big priz		3	IN28	1#ticket machine ticket feedback signal input
	4	OUT4	8 ellipsoid lamp panel flashing light of big prize		4	IN29	2#ticket machine ticket feedback signal input
	5	OUT5	square front light of the turnplate control 1		5	IN30	JP reset zero button
	6	OUT6	square front light of the turnplate control 2		6	IN31	without ticket alarm remove button
	7	OUT7	spotlight control 1		7	IN32	function testing button
	8	OUT8	spotlight control 2		8	OUT20	1#coin selector No. table
J2 two normal output ports	1	OUT9	3#tickets machine driver		9	OUT21	1#tickets No. table
	2	OUT10	4#tickets machine driver		10	OUT22	1#tickets machine driver
	3	OUT11	1# coin selector output		11	OUT23	2#tickets machine driver
	4	OUT12	2# coin selector output		12	OUT24	1# quit coin code table
	5	OUT13	3# coin selector output	J6 input port	1	IN17	
	6	OUT14	4# coin selector output		2	IN18	
	7	OUT15	scoring turnplate machine		3	IN19	3# ticket machine ticket feedback signal input
	8	OUT16	2# insert coin code table		4	IN20	4#ticket machine ticket feedback signal input
	9	OUT17	2# ticket code table		5	IN21	1# clear coin button input
	10	OUT18	2# quit coin code table		6	IN22	2# clear coin button input
	11	OUT19	3# insert coin code table		7	IN23	3# clear coin button input
	12	OUT20	share with the basic output port		8	IN24	4# clear coin button input
	13	OUT21	share with the basic output port		9	IN25	
	14	OUT22	share with the basic output port	J7 input port	1	IN1	3# insert coin selector input
	15	OUT23	share with the basic output port		2	IN2	4# insert coin selector input
	16	OUT24	share with the basic output port		3	IN3	initial orientation input
	17	OUT25	3# ticket code table		4	IN4	1# big prize of placement
	18	OUT26	3# quit coin code table		5	IN5	1# score input detection
	19	OUT27	4# insert coin code table		6	IN6	1# quit coin selector input
	20	OUT28	4# ticket code table		7	IN7	2# big prize of placement
	21	OUT29	4# quit coin code table		8	IN8	2# score input detection
	22	OUT30	share with no.2output port		9	IN9	2# score input detection
	23	OUT31	share with no.2output port		10	IN10	3# big prize of placement
	24	OUT32	share with no.2output port		11	IN11	3# score input detection
J3 no.1 output port	1	NC	NV	J8 1# communicating port	12	IN12	3# quit coin selector input
	2	+5V	Digital tube plate+5V		13	IN13	4# big prize of placement
	3	GND	Digital tube plateGND	14	IN14	4# score input detection	
	4	12V	Digital tube plate+12V	15	IN15	4# quit coin selector input	
	5	LTH	Digital tube plate output control data cables	16	IN16	balancer input	
	6	DAT	Digital tube plate output data cables	J9 2#communicating port	1	GND	wire matrix display board
	7	CLK	Digital tube plate output time cables		2	T-/R-	
J4 no.2 output port	1	+5V	Mesa center lamp board+5V	J9 2#communicating port	3	T+/R+	wire matrix display board
	2	GND	Mesa center lamp boardGND		1	GND	
	3	12V	Mesa center lamp board12V		2	T-/R-	
	4	LTH	Lamp serial output control line	3	T+/R+		
	5	DAT	Lamp serial output data line	J12 mainboard power input (+12V, GND, GND, +5V) connect with computer power			
	6	CLK	Lamp serial output time line	J13 left and right track output (L+, L- R+, R-) connect with left track L+,L-			
Note	1. The direction of the electrical machine is turning toward the clockwise.						
	2. The first initial input orientation of the serial scoring lamp board is connecting with OptoCoupler . The connecting method is the same with the electrical machine.						
	3.The connecting method of the nixie tube of direction is opposite to the electrical machine.						
	4. on the left of the ticket nixie tube display three numbers and the time digital tube on the right display two numbers .The connecting method of the nixie tube is connecting above consistently with the electrical machine .						