

Rooster N Bro 2DX

Rooster N Bro 2DX

Operation Manual



WARNING!!!

Before using this product, please read the manual carefully!

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I. FEATURES

1. It is a simple & funny laser tag game.
2. Cute and funny characters.
3. Vibration handle.
4. Funny Scene.
5. Motion seats make more fun.

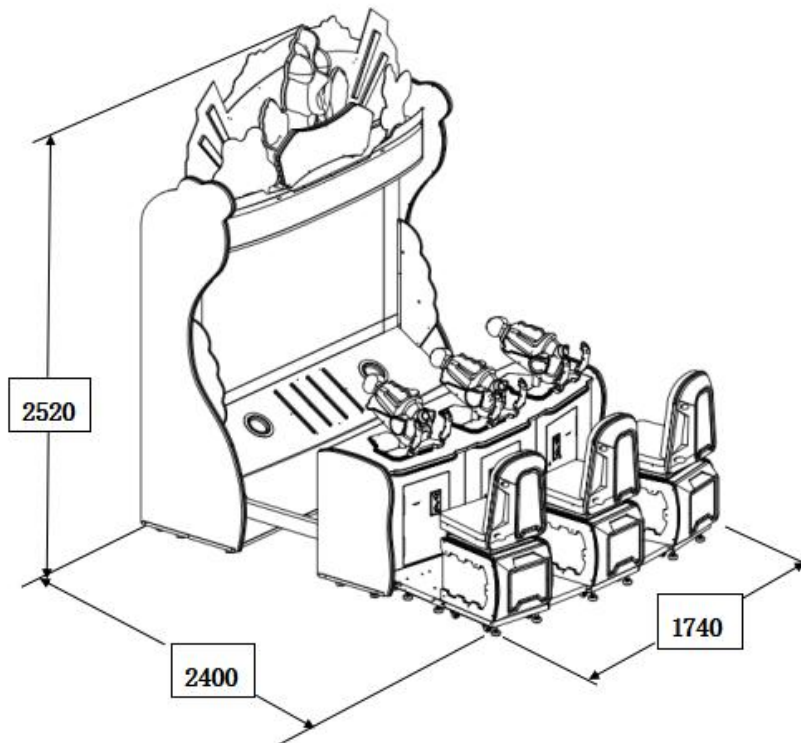
HOW TO PLAY:

1. Insert coins and press start button to start the game.
2. Control the Laser tool to play the game.
3. Getting lottery base on the game performance.

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II. Specifications and Technical Parameters

1. Working Voltage : AC220V \pm 5% 50Hz (Or AC110V \pm 5%,60Hz, Please refer to the nameplate for specific working voltage);
2. Standby Power Consumption : 600W
3. Maximum Power Consumption : 1000W;
4. Dimension : W1740×D2400×H2520 (mm);
5. Weight : About 430KG;
6. Natural Environment:
(Indoor)Temperature : -10~+40°C
Humidity : \leq 90%
Pressure Atmosphere : 86Pa~106Pa.





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III. Attachments

To make sure you can use the machine normally, please check if you can find the following items after tearing off the package:

1) One HOST;

(1) One set of standard accessories, list as below:

No.	Part Name	Spec.	Qty.	Unit	Photo	Remark
1	Power cord	1.5m	1	pc		
2	Manual		1	pc		
3	Key for the coin box	1396	1	pc		
4	Key for the door	1285	2	pc		Front & back

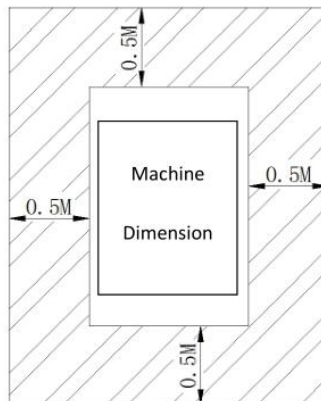
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IV. Working Condition of the Machine

1. This machine is suitable for indoor use and not for outdoor use which will impact the performance and function of the machine.

2. Requirements of location for the machine:

The machine should be placed in a location which have enough space for air ventilation and heat dissipation in principle. Diagram below for easy reference.



3. **DO NOT** use the machine in the following environment:

- (1). Place where make the machine to produce condensation.
- (2). Close to the hot objects.
- (3). Close to the dangerous objects.
- (4). Smooth or unstable places.
- (5). Close to the equipment that is prone to sparks.

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(6).Places with severe vibrations.

(7).Dusty environment.

(8).Pay **ATTENTION** when moving transportation:

① Turn off the power and unplug the power before moving.

② If the casters can not turn, please replace them.

③ Moving, turning or transporting optionally may cause damage.

④ Make sure it's complied with the

instructions, which is in the manual, when you move, turn or transport the machine.

V. Method of power connection (Connected to a grounded 3P socket)



NOTE:

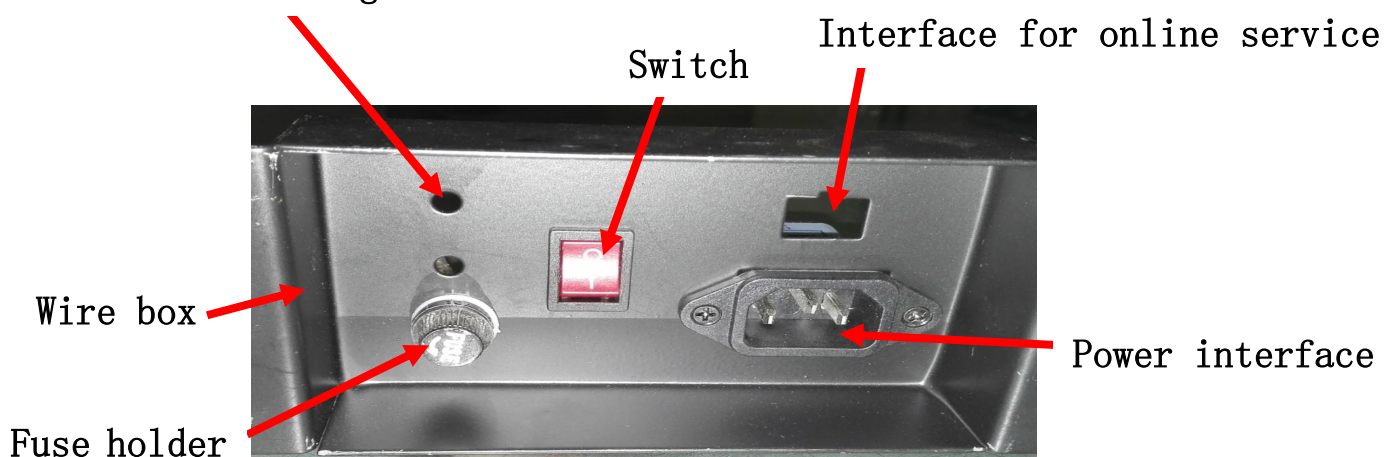
1. The power cord cannot be held down by weight. This may cause damage or short circuit, even a fire.
2. When unplugging the power cord from the outlet, please grasp the plug and pull it out. **DO NOT** grasp the wire to pull it out.

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3. **DO NOT** pull the plug out directly with **WET** hands.
4. **DO NOT** pull the power cord so hard or twist it.
5. **DO NOT** put the power cord close to the high temperature objects.
6. The power cord can not be easily kicked or touched.
7. Use the suitable voltage and fuse(refer to the technical parameters)

VI. Power Box Description

Interface for ground connection



- (1) This machine use AC“220V±5% 50Hz (Or AC110V±5%,60Hz)”.
- (2) Install AC insurance in the fuse,which specification is “250V 10A 5X20mm”.

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- (3) The power switch is used to turn on / off the connection.
- (4) Ground terminal: Connect to a dedicated ground wire.

VII. Maintenance and Attention

1. The power must be turned off when maintenance or repair. To avoid short circuit, staff should turn off the power before opening the repair door and touch the internal components and part. If this operation requires energized states, please make sure it must be complied with the instructions in the Manual.
2. Using the official spare parts to avoid damage. Using non-offical spare parts maybe cause fire, short circuit or mechanical fault.
3. **DO NOT** disassemble, assemble or modify the machine optionally which maybe cause fire, short circuit or mechanical fault.
4. Make sure it is complied with the instructions, which is in the manual, when you move, turn or transport the machine. Moving, turning or transporting optionally

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may cause damage.

5. This machine is suitable for indoor use and not for outdoor use which will impact the performance and function of the machine.

6. **DO NOT** use the machine in the following environment:

★Place with leaky or high humidity.

★Close to the hot objects.

★Close to the dangerous objects.

★Smooth or unstable places.

★Close to the equipment that is prone to sparks.

★Places with severe vibrations.

★Dusty environment.

7. **DO NOT** place containers in which have water, such as vases, cups, containers, etc., on the machine. And also **DO NOT** place chemicals or heavy objects on the machine.

Spilled liquid will cause short circuit and damage. Chemicals will corrode the machine. And the heavy objects may cause harm to the human body or damage to the machine when it drop.

8. **DO NOT** place objects at the blow-vent of the

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machine. The blow-vent is blocked which will cause the temperature of the machine higher, and then affecting the normal operation, even damaging the device.

9. The power cord cannot be held down by weight.

This may cause damage or short circuit, even a fire.

10. When unplugging the power cord from the outlet, please grasp the plug and pull it out. **DO NOT** grasp the wire to pull it out. This may cause damage, short circuit or a fire.

11. **DO NOT** pull the plug out directly with **WET** hands. Otherwise it may result in electric shock and injury to the human body.

12. **DO NOT** pull the power cord so hard or twist it. **DO NOT** put the power cord close to the high temperature objects.

Above case may cause damage, short circuit or fire.

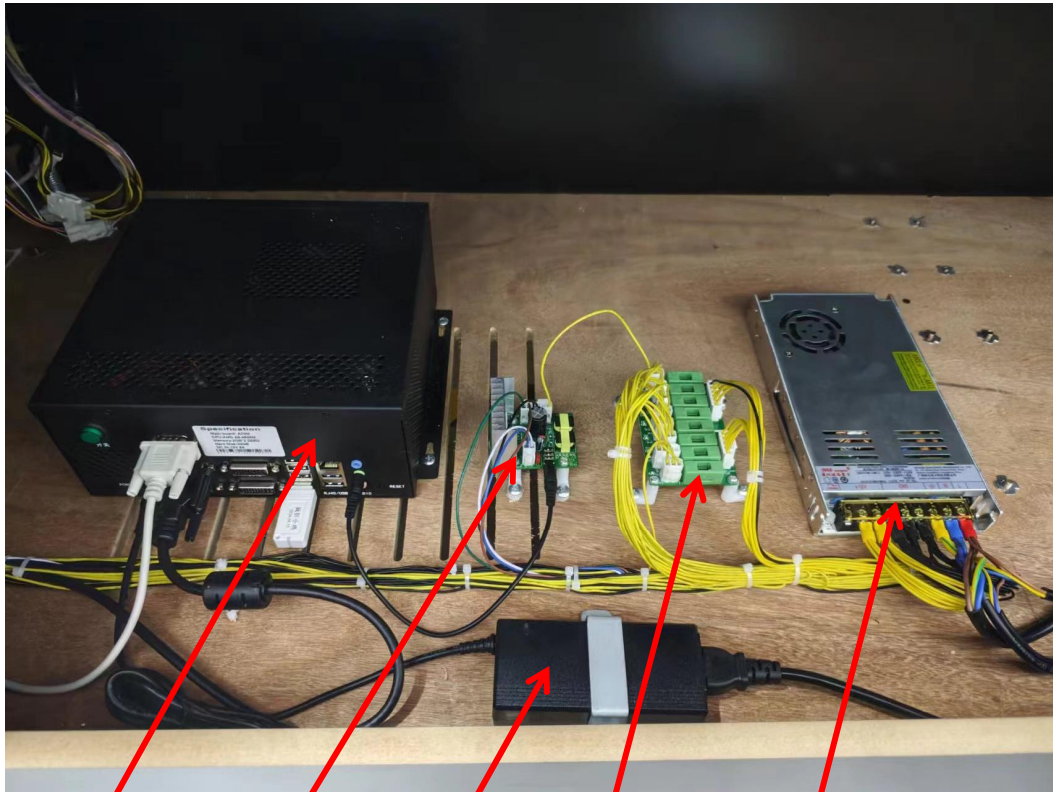
13. The power cord can not be easily kicked or touched. It will cause damage or injury to the human.

14. Use the suitable voltage and fuse (refer to the

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technical parameters). Use unsuitable voltage may cause short circuit or fire. And use unsuitable fuse may cause breakdown or fire.

VIII. Illustration of some electrical equipment



(1) (2) (3) (4) (5)

- (1) Computer
- (2) Power amplifier board
- (3) Power supply for computer
- (4) Insurance
- (5) 12V power supply

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IX. IO Comparison Table

Rooster N Bro 2DX_IO Comparison Table V1.1

P1 Input			P9 Output 2803(VH)			P4 Input Buttons on the counter(VH)		
NO.	Target	Color	NO.	Target	Color	NO.	Target	Color
1	1P shooting button	White	12V	3P Power Supply(+) for ticket dispenser	Yellow	23	Setting(UP)	Pink
2	2P shooting button	Pink	12V	Power supply(+) for mechanical counter	Yellow	24	Service(DOWN)	GreenWhite
3	3P Start button	Gray	1	Signal of counter of the tickets dispenser	Gray	25	Reset(LEFT)	Orange
4	3P shooting button	Purple	2	Signal of counter of the Coins selector	BlueWhite	26	Volume(RIGHT)	Purple
5	3P Coin selector	Brown	3	3P Start button light	Pink	GND		Black
6	Input signal for the tickets dispenser(3P)	BlueWhite	4	3P Output signal for the tickets dispenser	Green	P5 Input Coins(token) selector		
GND	3P Power Supply(-) for ticket dispenser GND	Black	5			12V		
P3 Input			6			27	1P Coin selector	White
16			7			GND		
17			P11 Output 2803(VH)			12V		
18			12V			12	1P The forward control of the motor in the seat	Green
19	Sensor for detecting the seat restoration(1P)	White	13	1P The reverse control of the motor in the seat	Purple	13	1P The reverse control of the motor in the seat	Purple
20	Sensor for detecting the seat restoration(2P)	Gray	14	2P The forward control of the motor in the seat	Brown	14	2P The forward control of the motor in the seat	Brown
21	Sensor for detecting the seat restoration(3P)	Brown	15	2P The reverse control of the motor in the seat	Pink	15	2P The reverse control of the motor in the seat	Pink
22			16	3P The forward control of the motor in the seat	Orange	16	3P The forward control of the motor in the seat	Orange
GND			17	3P The reverse control of the motor in the seat	BlueWhite	17	3P The reverse control of the motor in the seat	BlueWhite
GND			P12 Output Tip122(VH)			25	1P Motor of vibration of the gun	Gray
P21 Output Colorful light			26	1P Signal line of light belt on the gun shell(2811 CLK)	Brown	26	1P driving board for the motor in the seats PA	Gray
12V			27	2P Motor of vibration of the gun	Green	LTH	2P driving board for the motor in the seats PB	Blue
GND			28	2P Signal line of light belt on the gun shell(2811 CLK)	Purple	DAT	3P driving board for the motor in the seats PA	Brown
5V	(5V)Power Supply for the drive board of the motors in the seats	Red	29	3P Motor of vibration of the gun	BlueWhite	P24 Output Colorful light		
CLK	1P driving board for the motor in the seats PA	Gray	30	3P Signal line of light belt on the gun shell(2811 CLK)	Blue	12V	3P Power Supply to light belt on the gun shell (12V)	Yellow
26	1P Signal line of light belt on the gun shell(2811 CLK)	Brown	31	Light box	Pink	GND	3P Light belts on the gun shell	Black
27	2P Motor of vibration of the gun	Green	32	Signal line of colorful light belt at the both sides of screen frame	White	5V		
28	2P Signal line of light belt on the gun shell(2811 CLK)	Purple	P25 Input Buttons on the counter(VH)			CLK	Signal line of colorful Light belt in the middle of two loudspeakers under the	Brown
29	3P Motor of vibration of the gun	BlueWhite	23	Setting(UP)	Pink	DAT		
30	3P Signal line of light belt on the gun shell(2811 CLK)	Blue	24	Service(DOWN)	GreenWhite	AD1 Potentiometer		
31	Light box	Pink	25	Reset(LEFT)	Orange	3.3V	1#Xaxis-3Pins	Orange
32	Signal line of colorful light belt at the both sides of screen frame	White	26	Volume(RIGHT)	Purple	AD1	1#Xaxis-2Pins	Brown
P22 Output Colorful light			27	Setting(UP)	Pink	GND	1#Xaxis-1Pins	Black
12V			28	Volume(RIGHT)	Purple	AD2 Potentiometer		
GND			29	Reset(LEFT)	Orange	3.3V	1#Y axis-3Pins	Orange
5V			24	Service(DOWN)	GreenWhite	AD2	1#Y axis-2Pins	GreenWhite
CLK	Signal line of colorful Light belt in the middle of two loudspeakers under the	Brown	25	Reset(LEFT)	Orange	GND	1#Y axis-1Pins	Black
DAT			26	Volume(RIGHT)	Purple	AD3 Potentiometer		
AD1 Potentiometer			27	Setting(UP)	Pink	3.3V	2#Xaxis-3Pins	Orange
3.3V	1#Xaxis-3Pins	Orange	28	Volume(RIGHT)	Purple	AD3	2#Xaxis-2Pins	Blue
AD1	1#Xaxis-2Pins	Brown	29	Reset(LEFT)	Orange	GND	2#Xaxis-1Pins	Black
GND	1#Xaxis-1Pins	Black	24	Service(DOWN)	GreenWhite	AD4 Potentiometer		
AD2 Potentiometer			25	Reset(LEFT)	Orange	3.3V	2#Y axis-3Pins	Orange
3.3V	1#Y axis-3Pins	Orange	AD4	2#Y axis-2Pins	Gray	AD4	2#Y axis-2Pins	Gray
AD2	1#Y axis-2Pins	GreenWhite	GND	2#Y axis-1Pins	Black	GND	2#Y axis-1Pins	Black
GND	1#Y axis-1Pins	Black	AD5 Potentiometer			3.3V	3#Xaxis-3Pins	Orange
AD3 Potentiometer			3.3V	3#Xaxis-3Pins	Orange	AD5	3#Xaxis-2Pins	Pink
3.3V	2#Xaxis-3Pins	Orange	AD5	3#Xaxis-2Pins	Pink	GND	3#Xaxis-1Pins	Black
AD3	2#Xaxis-2Pins	Blue	GND	3#Xaxis-1Pins	Black	AD6 Potentiometer		
GND	2#Xaxis-1Pins	Black	AD6 Potentiometer			3.3V	3#Y axis-3Pins	Orange
AD4 Potentiometer			3.3V	3#Y axis-3Pins	Orange	AD6	3#Y axis-2Pins	White
3.3V	2#Y axis-3Pins	Orange	AD6	3#Y axis-2Pins	White	GND	3#Y axis-1Pins	Black
AD4	2#Y axis-2Pins	Gray	GND	3#Y axis-1Pins	Black	P7 Tickets Dispenser		
GND	2#Y axis-1Pins	Black	P7 Tickets Dispenser			Output20	1P Output signal for the tickets dispenser	Brown
AD5 Potentiometer			Output20	1P Output signal for the tickets dispenser	Brown		GND	Black
3.3V	3#Xaxis-3Pins	Orange		GND	Black		12V	Yellow
AD5	3#Xaxis-2Pins	Pink	Input31	1P Input signal for the tickets dispenser	Green			
GND	3#Xaxis-1Pins	Black	Output21	2P Output signal for the tickets dispenser	Purple			
AD6 Potentiometer				GND	Black			
3.3V	3#Y axis-3Pins	Orange		12V	Yellow			
AD6	3#Y axis-2Pins	White	Input32	2P Input signal for the tickets dispenser	Gray			
GND	3#Y axis-1Pins	Black						

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X. Settings and Error Description



1.Button of Setting :

- ①Enter the background setting;
- ②Move the cursor up.

2.Button of Service :

- ①Move the cursor down.

3.Button of Reset :

- ①Use for decreasing the value.

4.Button of Volume :

- ①Use for increasing the value;
- ②Use for confirming the setting.

★Tips★

When you want to adjust the VOLUME,

Step 1: Pressing the 'Volume' button

Step 2: At this point,you can see a volume bar,then using 'Reset' button to decrease the volume,or using 'Volume' button to increase the volume.

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Background Settings

Pressing 'Setting' button when the machine working, you can find the background setting as below picture shown.



figure 1

1. Language/语言

Changing the language from Chinese to English by pressing the 'Reset' button or the 'Volume' button in the counter.

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2. Game Settings

● 1. Coins each game	2 Coins
2. Ticket Mode	Tickets on scores
3. Tickets based on score	100 points/Tickets
4. Maximum number of tickets	200 tickets
5. Mercy tickets	5 tickets
6. Time limit for each game	180 Seconds
7. Difficulty	Normal
8. Hp Auto	ON
9. Volume	100 %
10. Standby music	ON
11. PlayCompanyVideo	ON
12. Back	

figure 2

	EN	Options
Game Settings	Coins each Game	Range :Free game / 1~20 (coins)
	Ticket Mode	Option 1:No ticket Option 2:Tickets on game Option 3:Fix number of tickets Option 4:Tickets on scores
	Tickets based on score (If you choose Option 4,then this is valid for setting)	Range:10~10000 points / Tickets
	Maximum number of tickets (If you choose Option 4,then this is valid for setting)	Option 1:No limit Option 2:10~1000 (tickets)
	Mercy tickets (If you choose Option 4,then this is valid for setting)	Range: 0~200
	Time limit for each game	Range: 180~300 Seconds
	Difficulty	Range: Easy / Normal / Hard
	HP Auto (To control the process of the game,setting Hp Auto to ON to make player's HP drop automatically with the game time passed)	Range :ON / OFF
	Volume	Range: OFF / 10%~100%
	Standby Music	ON / OFF
	Seat motion (ON: Motion seats / OFF: Non-motion seats)	ON / OFF
	PlayCompanyVideo	ON / OFF
	Back	Back to previous page

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3. Bookkeeping

This page show you the total revenue(income) record for each player.

TicketsPerCoin means average amounts of issued tickets per coin(This is a figure that calculated based on the total number of coins inserted and the total number of tickets issued.It is dynamic.)

Player	Coin	Tickets	TicketsPerCoin
1	0	0	0.00
2	0	0	0.00
3	0	0	0.00
Total	0	0	0.00

1. Clear all data
2. Back

figure 3

4. Daily Record

This page show you the daily revenue(income) record for each player.

TicketsPerCoin means average amounts of issued tickets per coin(This is a figure that calculated based on the total number of coins inserted and the total number of tickets issued every day.)

Date	Week	Coin	Tickets	TicketsPerCoin
20241016	Wednesday	0	0	0.00

Total coins collected: 0
Total tickets issued: 0
Total TicketsPerCoin: 0.00

1. Turn of the page
2. Back

figure 4

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5. Input Test

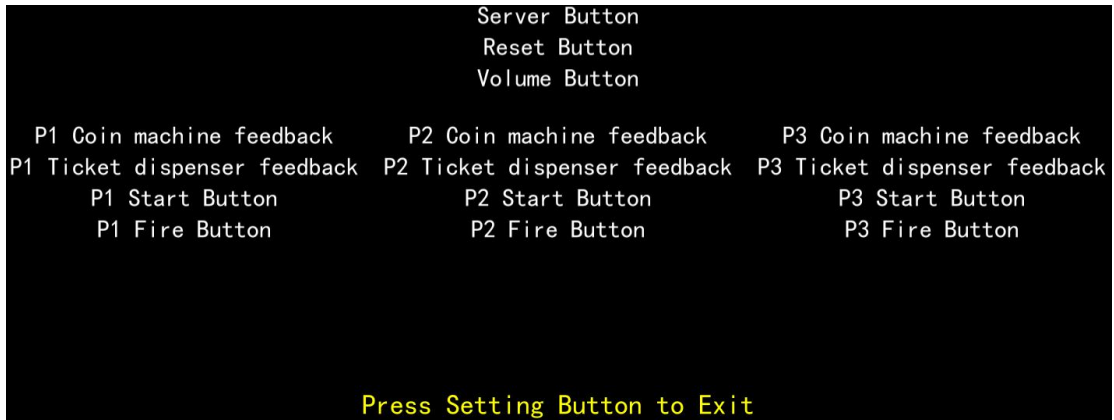


figure 5

Input Test	EN		
	Server Button		
	Reset Button		
	Volume Button		
	P1 Coin machine feedback	P2 Coin machine feedback	P3 Coin machine feedback
	P1 Ticket dispenser feedback	P2 Ticket dispenser feedback	P3 Ticket dispenser feedback
	P1 Start Button	P2 Start Button	P3 Start Button
	P1 Fire Button	P2 Fire Button	P3 Fire Button
	Press Setting button (on the counter) to exit (back to previous page)		
	<p>①Default value for the Input Test is OFF(normal characters).</p> <p>②The characters become high-light when you test.</p> <p>③High-light characters means this function is 'ON'.</p>		

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6. Output Test

● 1. 1P Ticket	
2. 2P Ticket	
3. 3P Ticket	
4. Light box at the top	OFF
5. Lamp beads in the start button 1P	OFF
6. Lamp beads in the start button 2P	OFF
7. Lamp beads in the start button 3P	OFF
8. 1P Seat rotation	Stop
9. 2P Seat rotation	Stop
10. 3P Seat rotation	Stop
11. The lamp of bottom side	Breath
12. The lamp of both-sides	OFF
13. Light belt on the gun 1P	OFF
14. Light belt on the gun 2P	OFF
15. Light belt on the gun 3P	OFF
16. 1P Gun shake	OFF
17. 2P Gun shake	OFF
18. 3P Gun shake	OFF
19. Back	

figure 6

	EN	Default Value
Output Test	1P Ticket	
	2P Ticket	
	3P Ticket	
	Light box at the top	OFF
	Light beads in the start button 1P	OFF
	Light beads in the start button 2P	OFF
	Light beads in the start button 3P	OFF
	1P Seat rotation	Stop
	2P Seat rotation	Stop
	3P Seat rotation	Stop
	The lamp of bottom side	Breath
	The lamp of both-sides	OFF
	Light belt on the gun 1P	OFF
	Light belt on the gun 2P	OFF
	Light belt on the gun 3P	OFF
	1P Gun shake	OFF
	2P Gun shake	OFF
	3P Gun shake	OFF
	Back : Back to previous page.	

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7. Potentiometer calibration

① Choose the gun number you want to test.

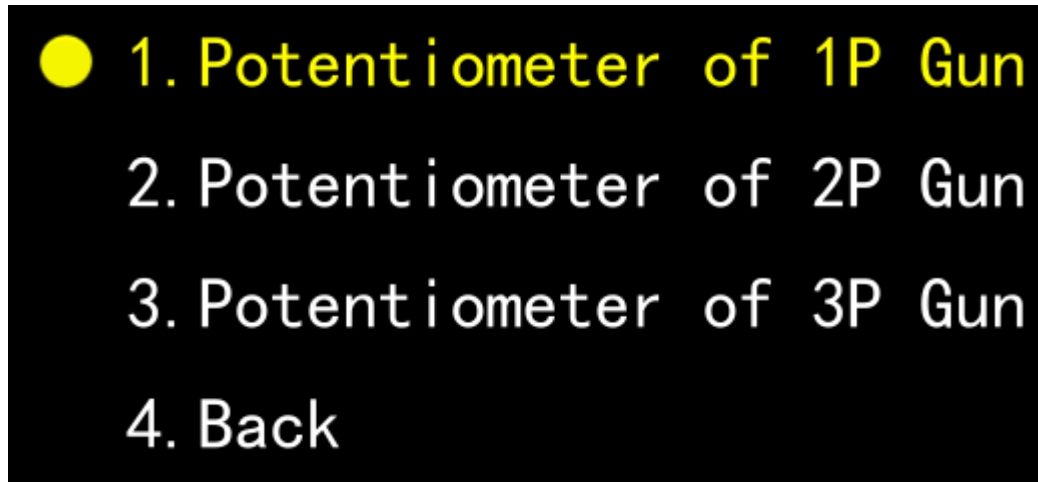


figure 7

② Using the water gun to shoot the shining dot moving on the screen

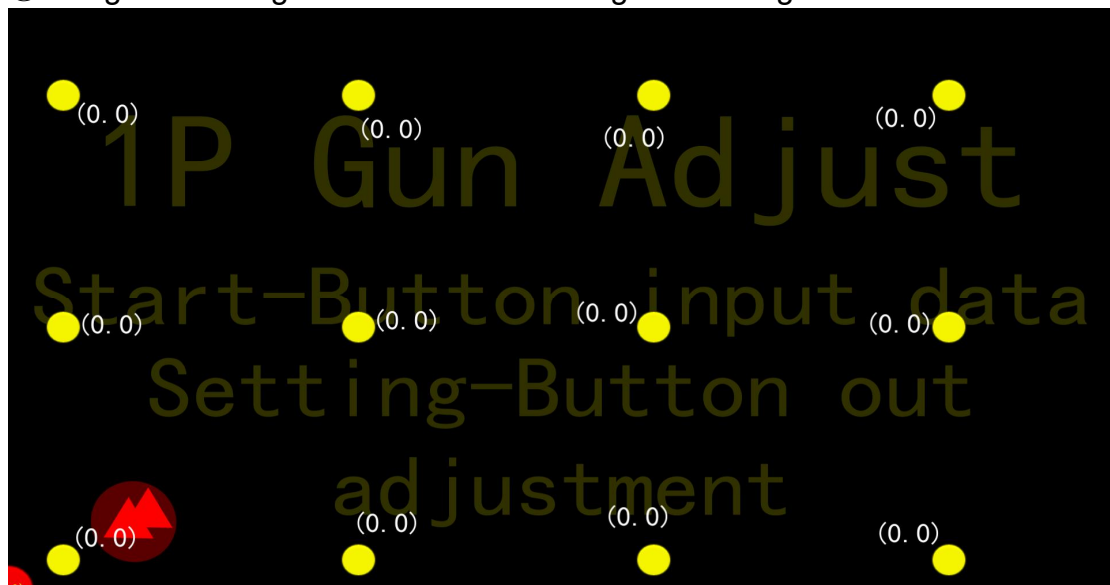


figure 8

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8. Game Reset

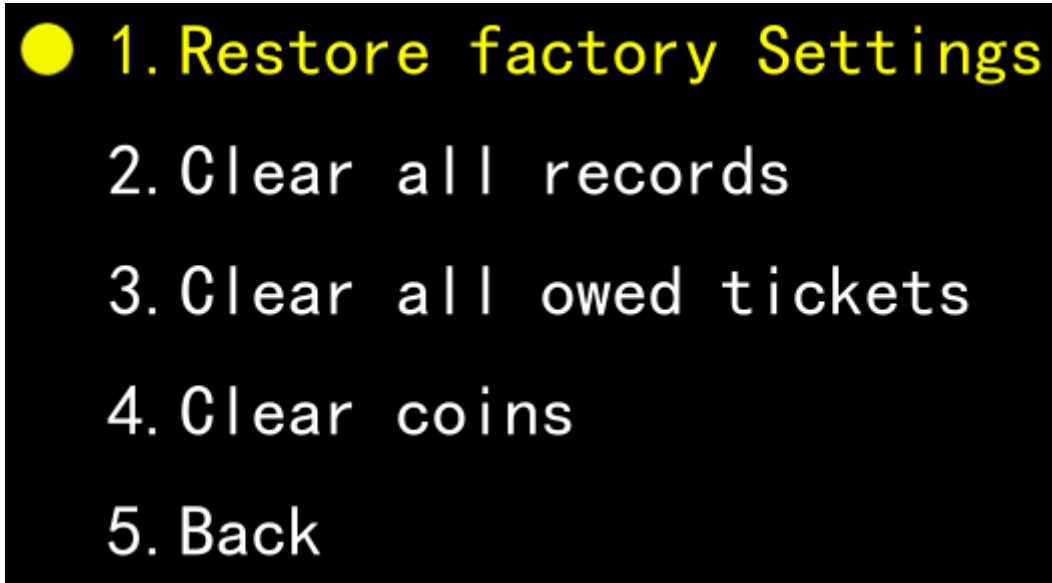


figure 9

	EN	Description
Game Reset	Restore factory Settings	Reset game settings and clear all records.
	Clear all records	Clear revenue records, daily records, game statistics.
	Clear all owed tickets	Clear all lottery tickets that are being issued and have not been issued in the machine, and clear the no-ticket warning of "ticket machine error" at all positions.
	Clear coins	Clear the coins that have been slotted but not used in the machine.
	Back	Back to previous page

9. Date/Time Setting

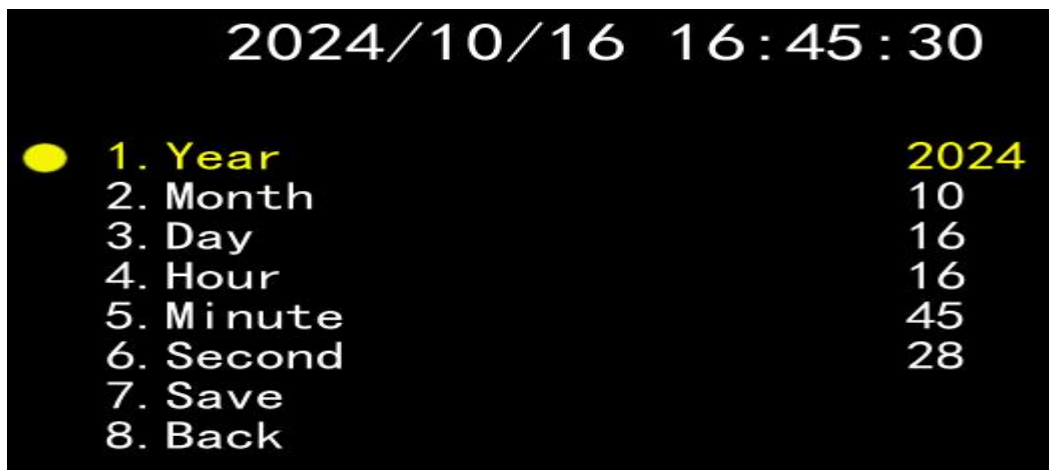


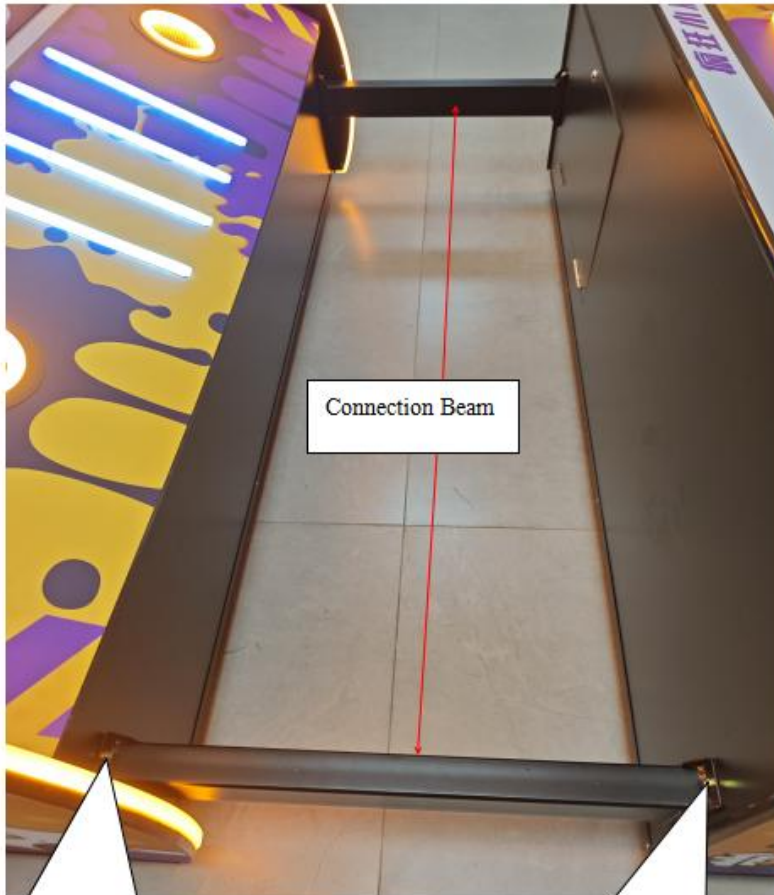
figure 10

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XI. Assembly Instructions

1) Connect the screen frame with console and seats

1. Connect the screen frame with the console



① Make the wire harness which are out from the screen frame getting through the connection beam.

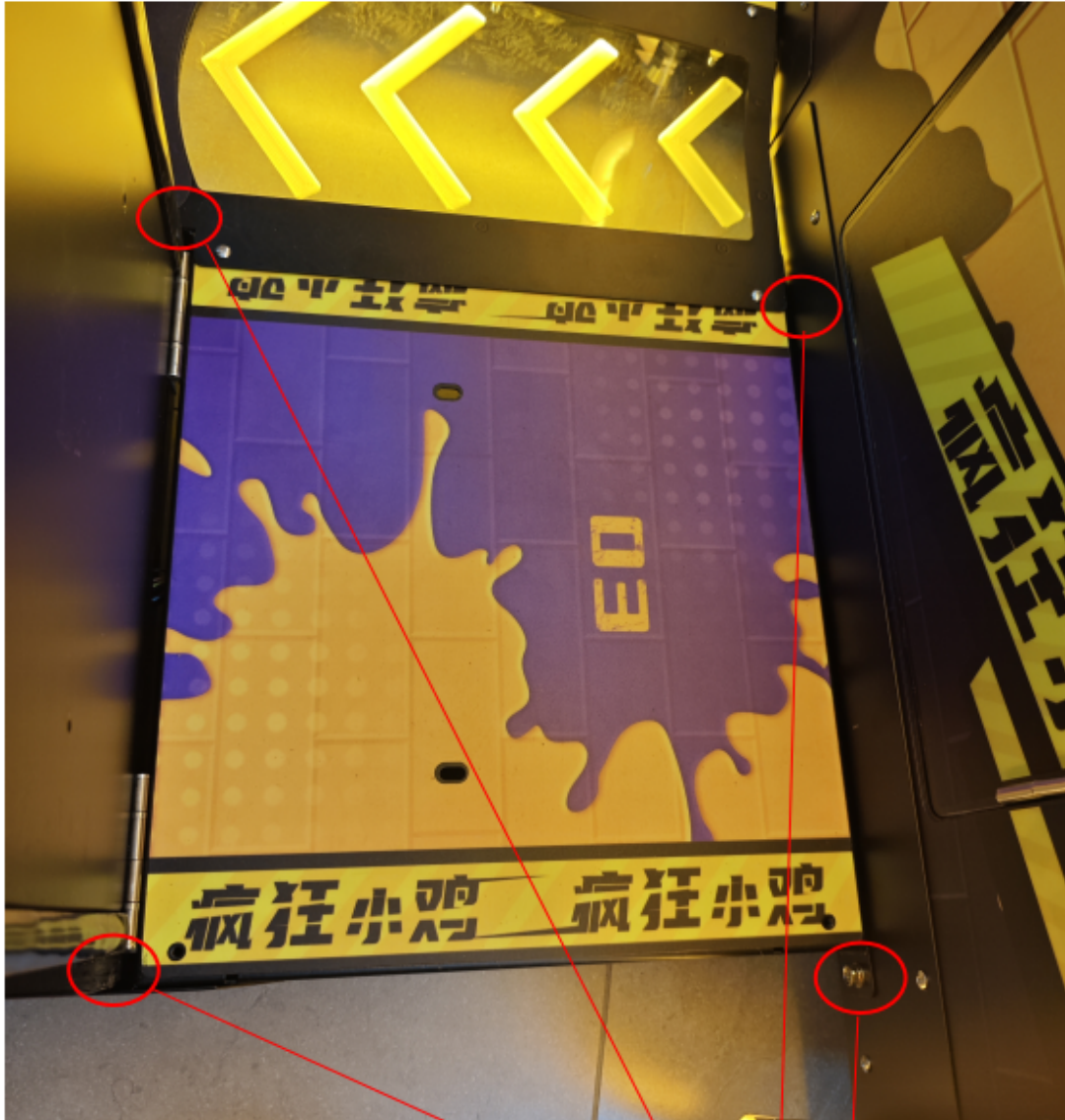
② And connect it with the wire harness which is out from the console.

③ Using the two connection beam to connect the screen frame and the console by 4 sets (total 8pcs) M6*16 screws.

④ Adjust the supporting feet to firmly against the ground. And then tighten all screws.

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2. Connect the console with the seats



① Using 4pcs M6*16 screws to connect the console with the foot board for each seat

② Adjust the supporting feet to firmly against the ground. And then tighten all screws.

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3. Connect the seat connection plate

Connect the seat connection plate with the seats by 4pcs M4*10 screws.

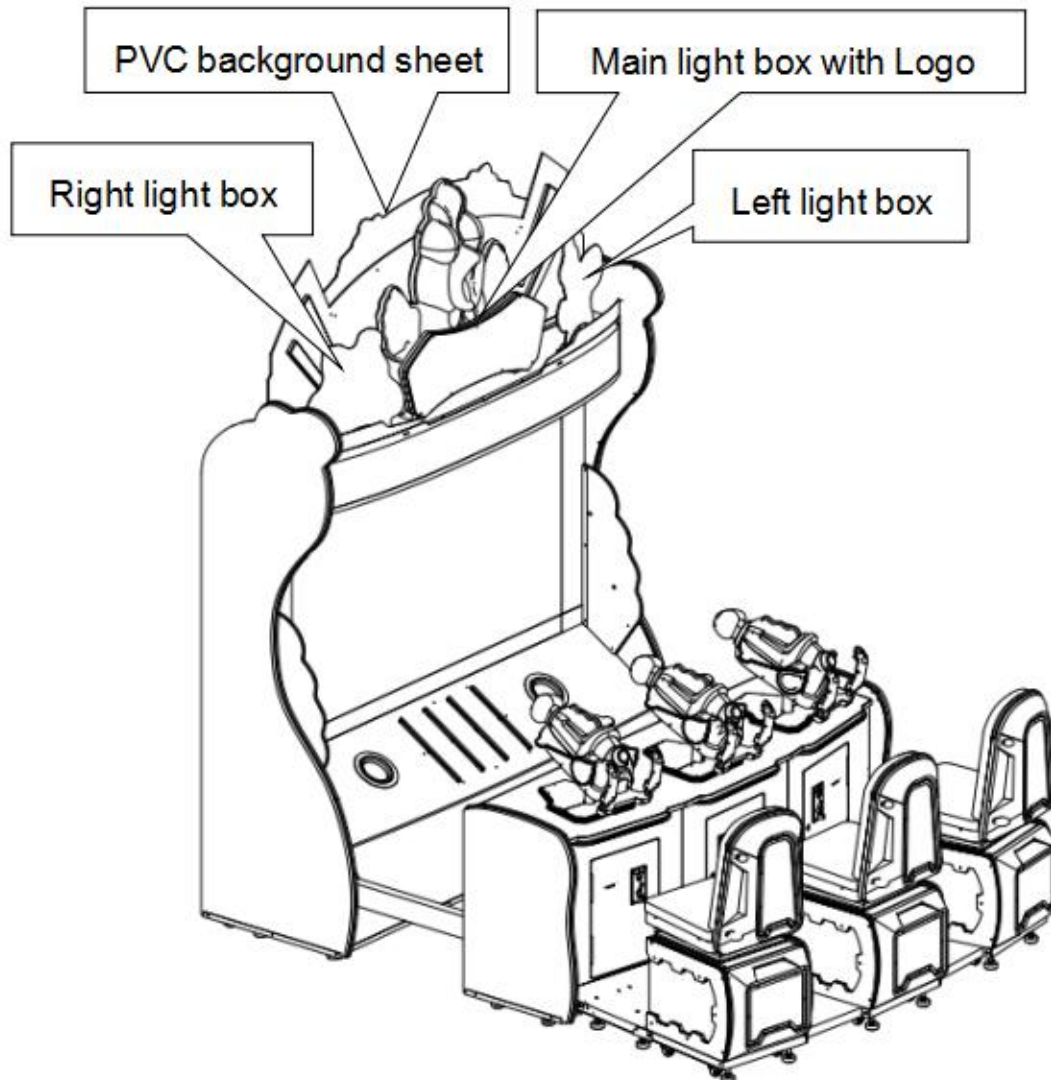


- ① Using 2pcs M6*16 screws to connect the seats by the seat connection plate.
- ② Adjust the supporting feet to firmly against the ground. And then tighten all screws.

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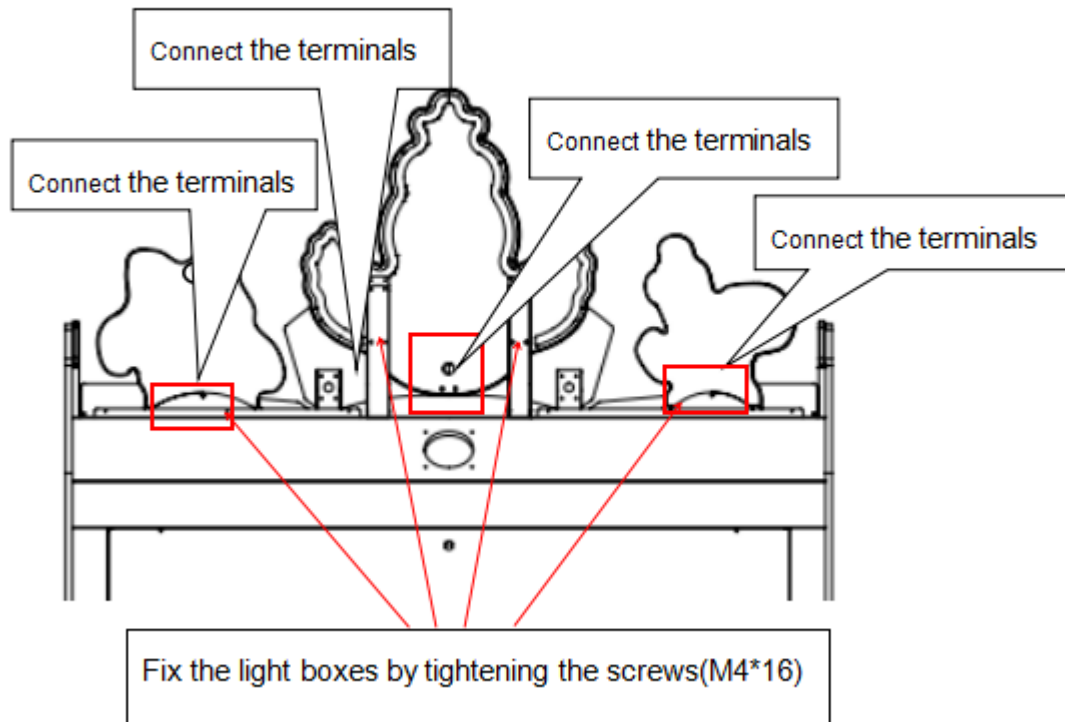
2) Install the top light box.

1. Illustration of the light boxes.



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2. Light boxes installation



3. PVC background sheet installation

