



## User Manual





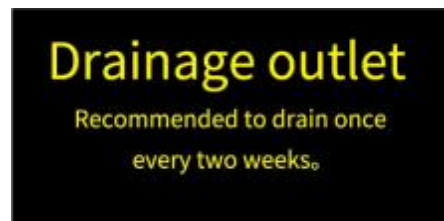
## **WARNING**

- ✧ Please read the manual before installation and use.
- ✧ Please put the manual together with the machine.

## ATTENTION

Before using the machine, please pay attention to the safety warning stickers used on the machine; please pay special attention to some precautions when reading this manual.

- ✧ **Danger:** This means that there is a risk of injury if it is inadvertently operated without attention.
- ✧ **Drainage outlet:** Drain the water every two weeks, not draining the water for a long time will lead to insufficient air pressure and damage to the air pump.



This machine is not fireproof, do not place it near or in contact with any source of ignition Repair and Maintenance and Precautions:

- ✧ The power must be turned off when performing maintenance and repairs to the machine.
- ✧ To avoid short circuits, turn off the power supply before the person concerned touches the internal devices of the machine.
- ✧ If this operation requires a power supply to be connected, it is subject to the requirements of the operating instructions.
- ✧ Do not touch the power plug with wet hands. Do not scratch, cut or excessively bend the power cord. Wrap broken power cords with insulation.
- ✧ When replacing devices be sure to use the proper accessories, using incorrect accessories can lead to fire or electrical short circuits, damaging the motherboard and components.

- ✧ Do not place the unit in an unstable, tilted or vibration-susceptible area.
- ✧ Regular weekly inspections of the condition of the wiring and monthly comprehensive inspections of equipment
- ✧ Do not place the machine in a place where it is exposed to direct sunlight to avoid damage to the internal parts of the machine.
- ✧ The equipment must be grounded, and the equipment's three-plug power supply must be plugged into a grounding-type power outlet.
- ✧ The device contains precision equipment, do not drop it or subject it to physical impact.
- ✧ It is strictly prohibited to place the machine close to objects with high magnetic fields or capable of generating strong radio waves.
- ✧ This machine is not waterproof. To prevent fire or electric shock, do not allow any liquid to penetrate the machine or expose it to dripping water or moisture.

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## I . Equipment Specification Parameters



### **Specifications:**

Voltage: 220V/110V

Power: 5.5kW

Size: 102L x 108W x 134.25H (inches) 2591L x 2750W x 3409H (mm)

Main materials: Metal + Acrylic + Wood

**WARNING:** After turning off the power, wait 1 minute before turning it back on.

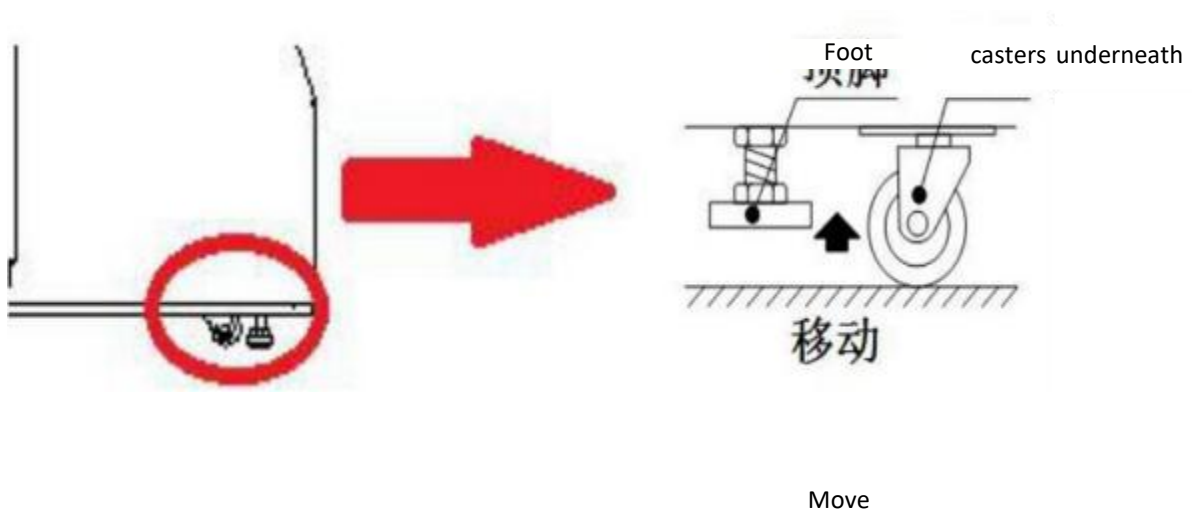
**Note:** The above technical parameters are subject to adjustment without prior notice.





## II . How to Move and Position the Machine

There are trundles under the machine. When moving the machine for a short distance, you should raise foot to make the trundles touch the ground and push the machine. As there will be danger of overturning when the foot hits obstacle on the ground, you should move the foot up as much as you can and pay attention to obstacles ahead and uneven places when moving the machine along the ground.



When moving the machine in close proximity, raise the foot adjuster so that the casters touch the floor to push the machine. When moving the machine over uneven or stepped areas, 4 or more people are required to lift the machine for safety.



## **ATTENTION**

Please unplug the power socket before moving to prevent accidents and failure.

Please do not damage the cable when moving to prevent accidents and failure.

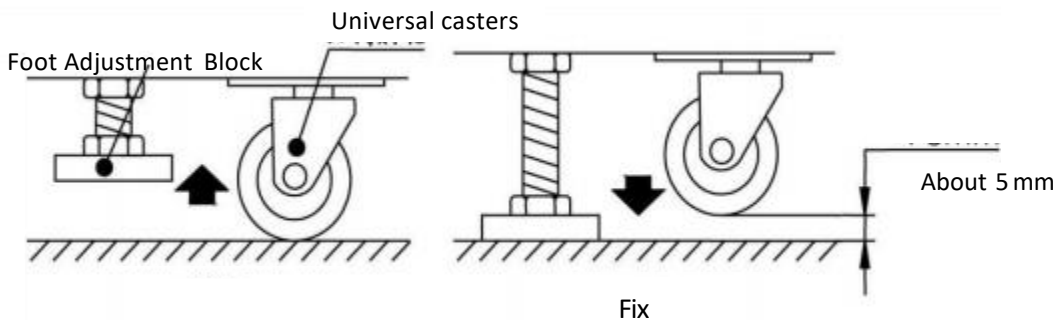
Please move the machine before raising the foot margin as much as you can to prevent accidents and failure.

The machine shall be moved by at least two people to prevent injury caused by the accident.

### III. Fix Machine

Place the machine on a flat, non-sliding surface 。 Secure the machine using the feet underneath the machine (as shown in the figure below):

1. Loosen the lock nuts of the feet and use a wrench to tighten the foot bolts so that the casters are about 5mm above the ground.
2. Tighten the locknuts in a clockwise direction to secure them.



Do not use the machine in the following places:

- ① Places where condensation will cause the machine to produce condensation or high humidity;
- ② In places near hot objects;
- ③ In places near dangerous objects;
- ④ In smooth or uneven places;
- ⑤ In the vicinity of equipment that is prone to sparks;
- ⑥ In places with severe vibration;
- ⑦ In dusty environments.

Placement site notes:

This machine is only suitable for indoor use, not suitable for outdoor use.

Do not use a forklift to move the machine, as this may cause damage to the machine.

## IV. Things to note before starting the machine

1. Check the parameters of the supply voltage. Make sure that the electrical parameters of the machine are consistent with the requirements of the machine. Otherwise it is possible to burn the machine out or cause a fire.

2. Connecting too many wires to the same power socket may cause the junction to overheat and cause a fire.

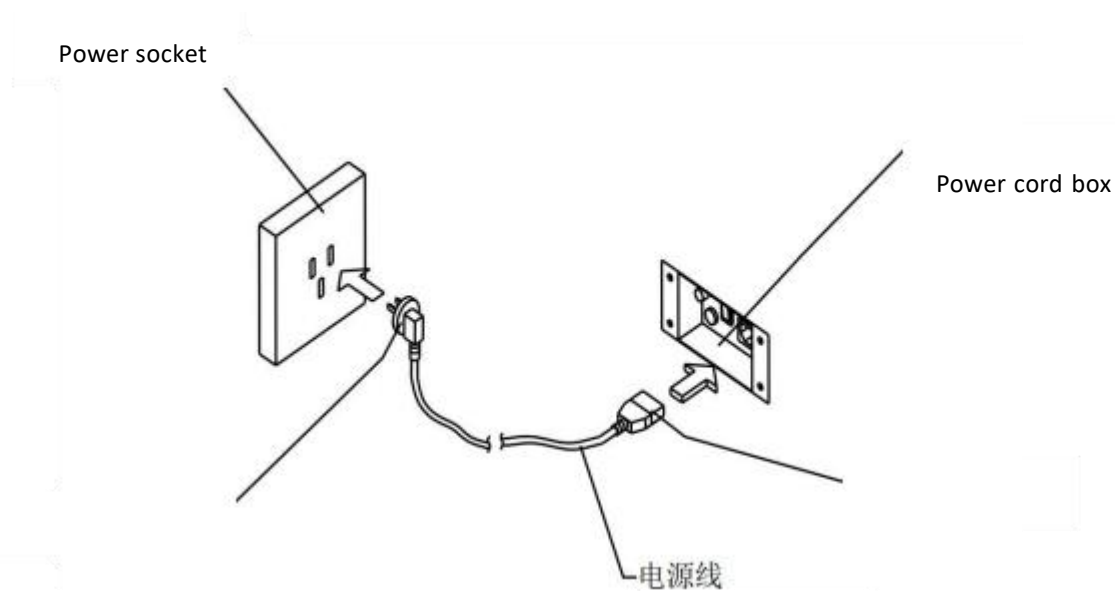
### 3. Wiring and precautions before startup

① Connect one end of the power cord to the junction of the machine's cord box, and connect the other end of the power cord to an electrical outlet.

② Please connect the power supply according to the voltage indicated on the machine. Otherwise, the machine may be damaged.

③ To avoid unnecessary damage, be sure to check whether the grounding function is available at the outlet.

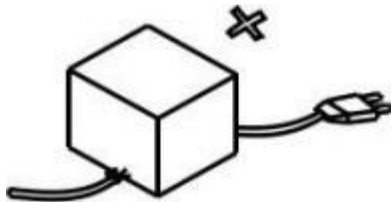
④ If grounding cannot be achieved through the outlet, perform grounding by other means.



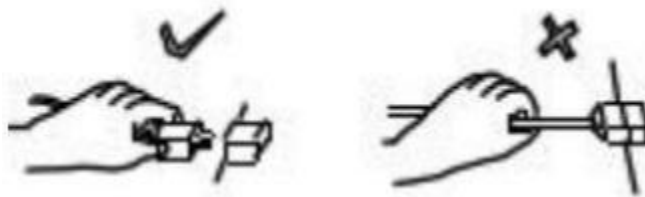
**WARNING: The working voltage of this machine is 220V, please connect the power supply according to the voltage marked on the machine or it may cause damage to the machine.**

#### 4.Caveats:

- ① The power cord should not be pressed by heavy objects, which will damage the cord easily leading to a short circuit, and in serious cases, may lead to a fire.



- ② When unplugging the power cord from the outlet, grasp the plug and pull it out, not the cord.



- ③ You cannot pull out the plug directly with wet hands.



- ④ The power cord should not be stretched or twisted with force, and should not be exposed near hot objects. The power cord should not be easily kicked or touched.



- ⑤ Use the correct voltage and fuse (refer to the technical data).

## V .Installation and Maintenance

### 1. Installation and commissioning:

- ✧ Before installation, please follow the list of approved parts for component assembly.
- ✧ The site used must be flat and firm, and the machine is placed and the adjustment seat is adjusted to the ground level and fixed.
- ✧ After installation, plug in the power cord to start the machine, check the operation of all parts of the machine is normal, such as the discovery of abnormal phenomena, timely shutdown to eliminate.
- ✧ If any abnormal phenomenon is found, stop the machine in time to remove obstacles.

### 2. External inspection:

In order to ensure the safety of using the machine, please be sure to check the following points before turning on the machine:

- ✧ Whether the "Warning" sign is intact, clearly visible, and whether it is pasted in the correct position.
- ✧ Whether the parameters of the connected power supply are consistent with the machine.
- ✧ Whether the screws of each part of the machine are all fixed. whether the connectors and the terminals are in good condition.
- ✧ Whether the machine is placed smoothly, and whether the adjustment of casters and top feet is appropriate. Whether the area where the machine is placed is suitable.

### **3. Operational checks:**

- ✧ Check that all LED's, Monitors, and Speakers are working properly
- ✧ Check both coin mechs to make sure they are coining up the game ( credits)
- ✧ Once game is working check functions of motion base and guns recoil
- ✧ Go into set up menu and calibrate the guns

### **4. Care and maintenance attention:**

- ✧ On game start - up, test the machine to confirm running normally;
- ✧ Clean the game with a soft cloth and windex. Check cooling fans for dust etc.
- ✧ Monthly check all functions of the game and check for wear etc.
- ✧ Game should be turned off nightly due to tank being under pressure and allowing the tank to drain moisture from tank and air water separators.

### **5. Clean up attention:**

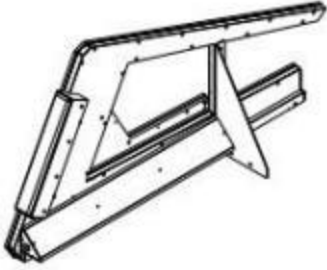
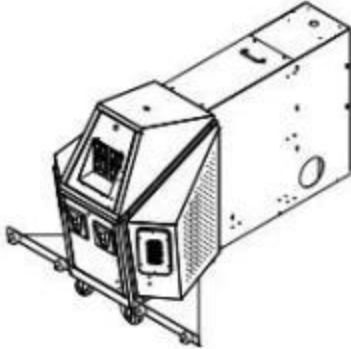
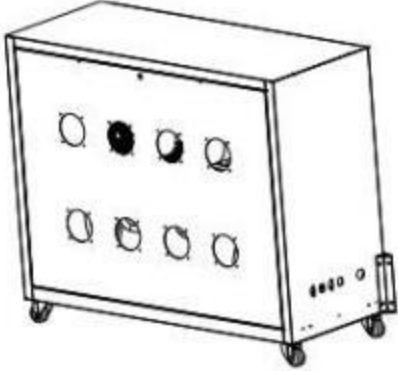
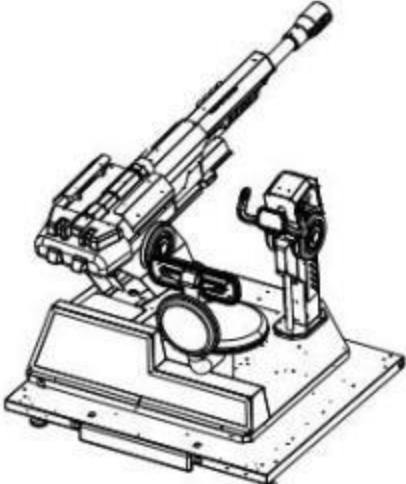
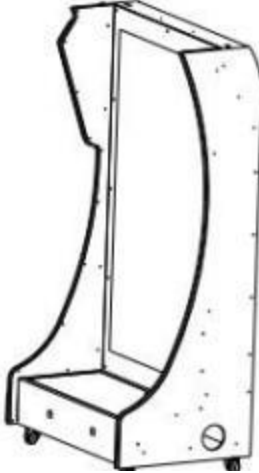

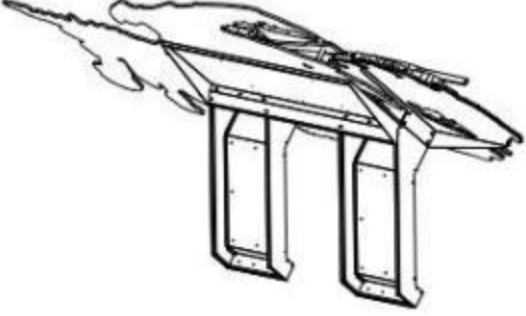
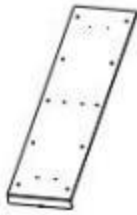

- ✧ Machine shell clean machine surface stains, can be clean and soft cotton cloth.
- ✧ Display with a clean, soft, and to clean up the outside of the display without water cotton cloth, not to make any acidic.
- ✧ The things stick to the surface of the touch screen.
- ✧ exhaust fan is one of the main tools for internal heat dissipation, must keep the exhaust fan clean and normal operation, the air outlet is clear.
- ✧ The exhaust fan is one of the main tools for heat dissipation inside the machine.


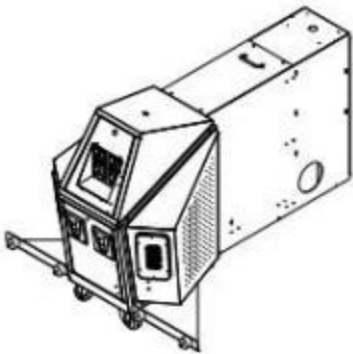
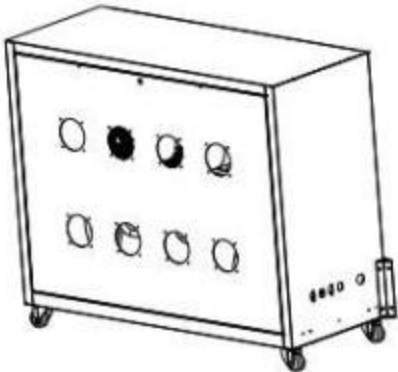
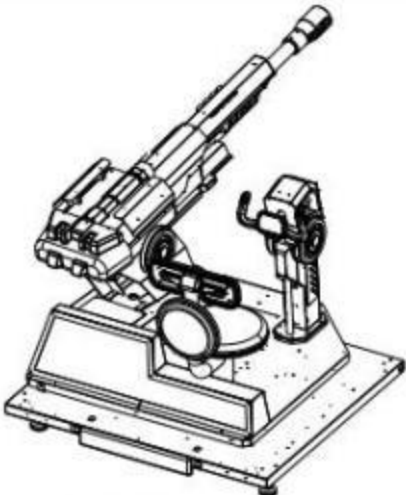
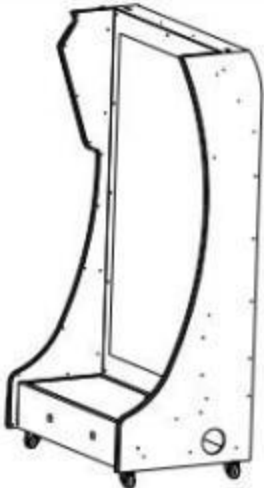

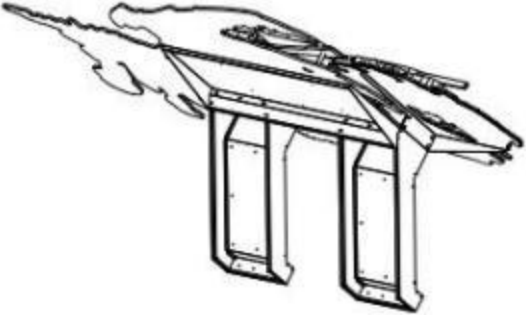
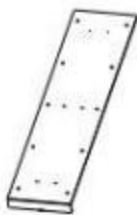



## 6. Warning:

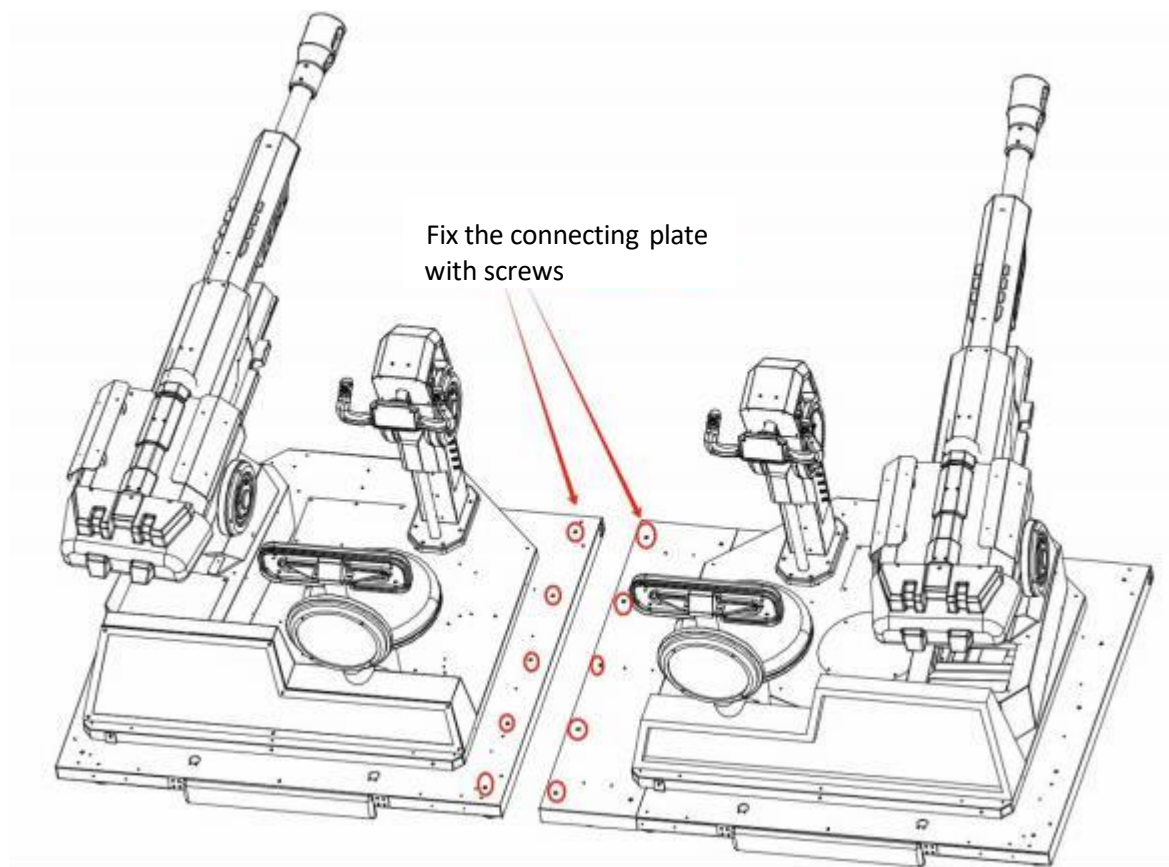
- ✧ Maintenance and repair of the machine must be carried out with the power off;
- ✧ To avoid short circuits, turn off the power before touching the internal components of the machine, and if this operation requires the power to be turned on, follow the operating instructions.
- ✧ When replacing the devices to make sure that the appropriate accessories, the use of incorrect accessories may lead to electrical short-circuit, damage to the motherboard and components.
- ✧ Do not disassemble, assemble or modify the equipment, which may lead to electrical short-circuit, mechanical failure, etc., and in serious cases, may lead to fire.
- ✧ Do not place vases, cups, containers, etc. filled with water, chemicals or heavy objects on top of the machine. Spilled liquid can cause electrical short-circuit and damage to the device, and falling objects can harm human beings and damage the machine.
- ✧ Do not place objects in the machine exhaust air opening. If the air vent is blocked, the temperature inside the machine will rise, affecting the normal operation of the game and even damaging the devices.
- ✧ Do not repair the machine. This may cause short circuits or malfunctions such as loss of control.

## 7. Machine assembly

|  |  |  |
|--|--|--|
|  <p>Player side fence, one on each side</p> |  <p>Console, 1 piece</p>                  |  <p>Air pump box, 1 piece</p>                     |
|  <p>Player station</p>                     |  <p>Screen cabinet, one on each side</p> |  <p>Screen Connector, 1 piece</p>                |
|  <p>KT light board, 1 piece</p>            |  <p>Fort Connector, 1 piece</p>         |  <p>Screen top decoration, one on each side</p> |

|  |   |  |
|--|---|--|
|  <p>护栏（左右各一件）</p>   |  <p>控台（一件）</p>       |  <p>气泵箱体（一件）</p>      |
|  <p>炮台（左右各一件）</p>  |  <p>液晶箱体（左右各一件）</p> |  <p>液晶连接件（一件）</p>    |
|  <p>KT灯箱头顶（一件）</p> |  <p>炮台连接板（一件）</p>  |  <p>液晶头顶（左右各一件）</p> |

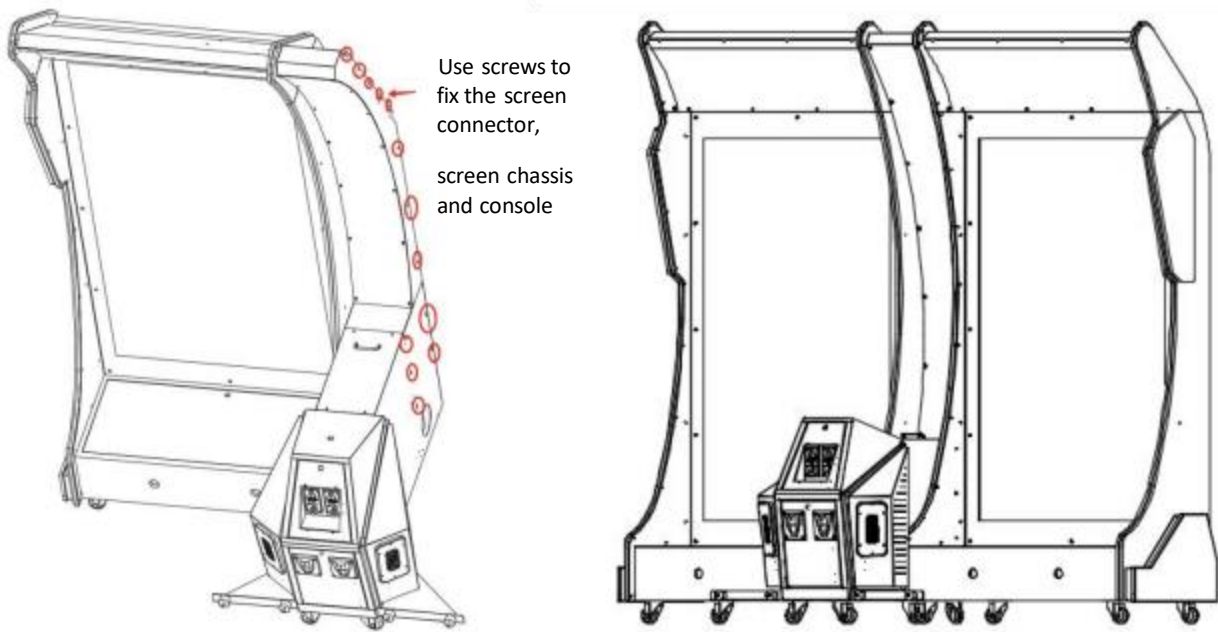
## Step 1: Fort connection installation



As shown in the picture above, find the turret connecting plate and fix the two turrets with the matching screws.

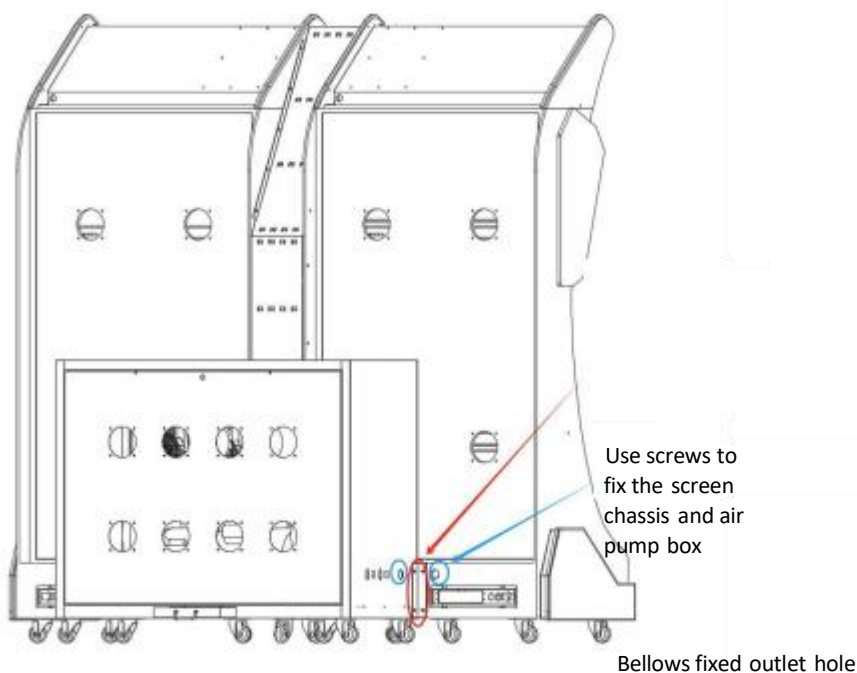


## Step 2: Install the central console, LCD chassis and LCD overhead.



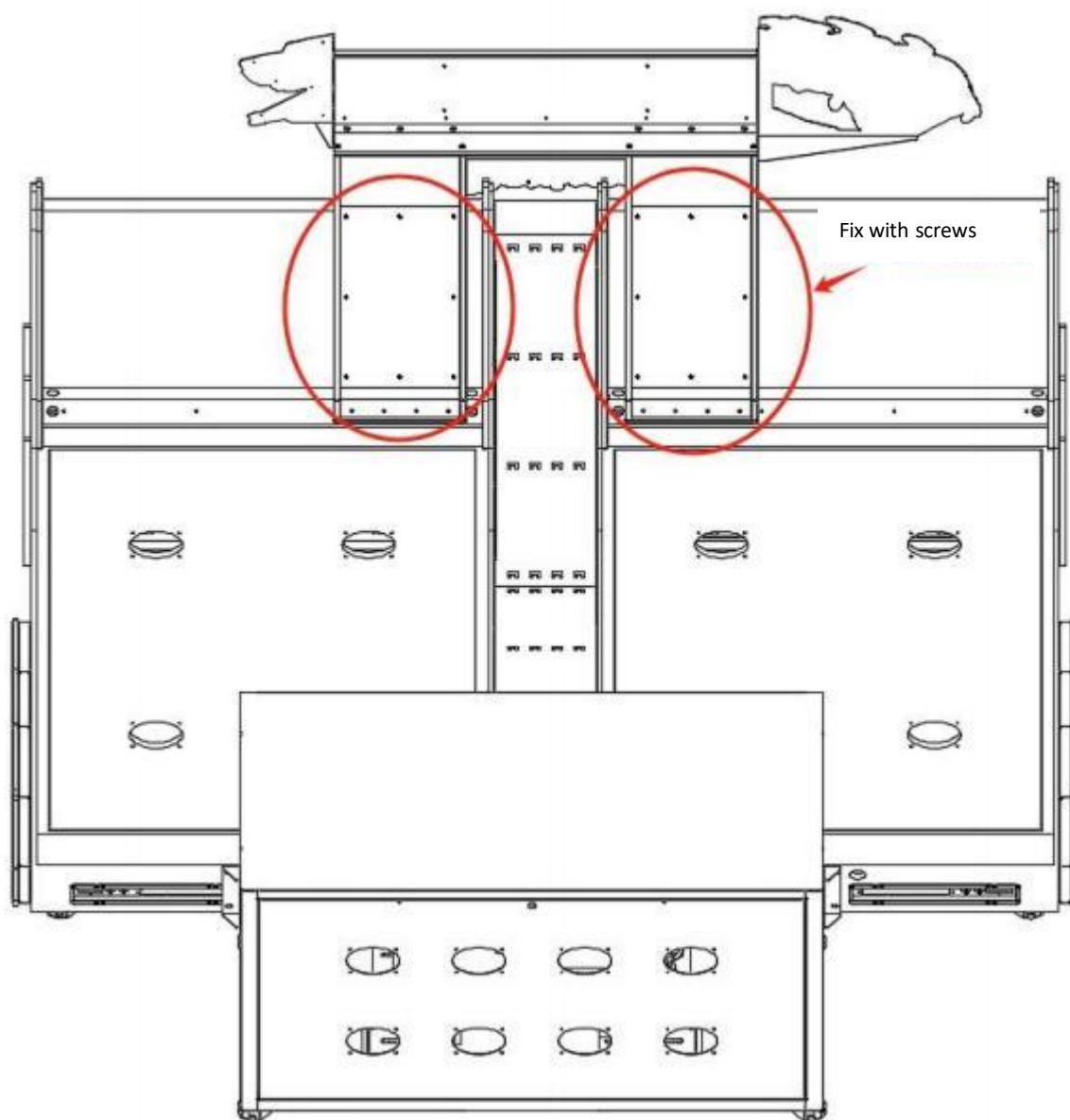
As shown in the left figure, use the matching screws to fix the LCD chassis, console and LCD connector. Fix the LCD chassis on the other side in the same way. The effect is as shown right (the corresponding wires and connectors need to be connected when fixing)

## Step 3: Air pump box installation



As shown in the picture above, use the matching screws to fix the air pump box and the LCD chassis, and connect the corresponding Bowen tube, air pipe and wire.

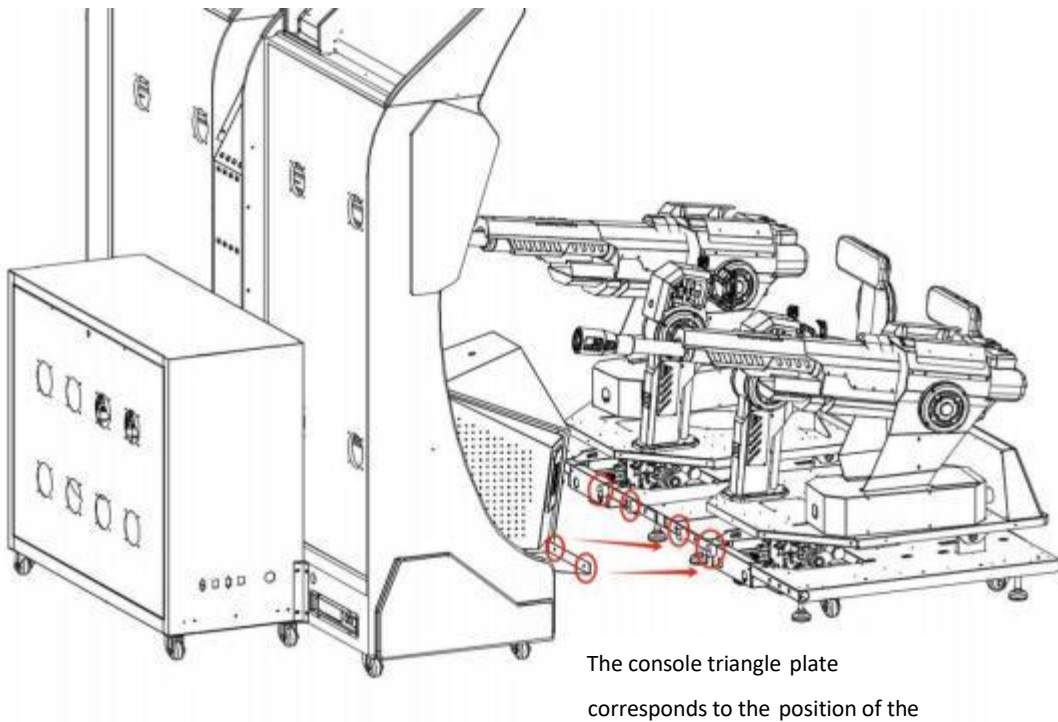
#### Step 4: KT board light box installation



As shown in the picture above, secure the KT overhead light box with the matching hardware as shown above, then secure the corresponding KT board and light box to the corresponding hardware. Be sure to properly connect the connectors of the light box. (For more detailed instructions, refer to the installation video)



### Step 5: Connection between turret, screen chassis and console.



As shown in the picture above, use the matching screws to fix the triangle plate of the console and the shock-absorbing glue on the turret, then fix the other end of the bellows on the turret to the LCD chassis, and then connect the corresponding air pipes and wires.

### Step 6: Installation of gun turret guardrail

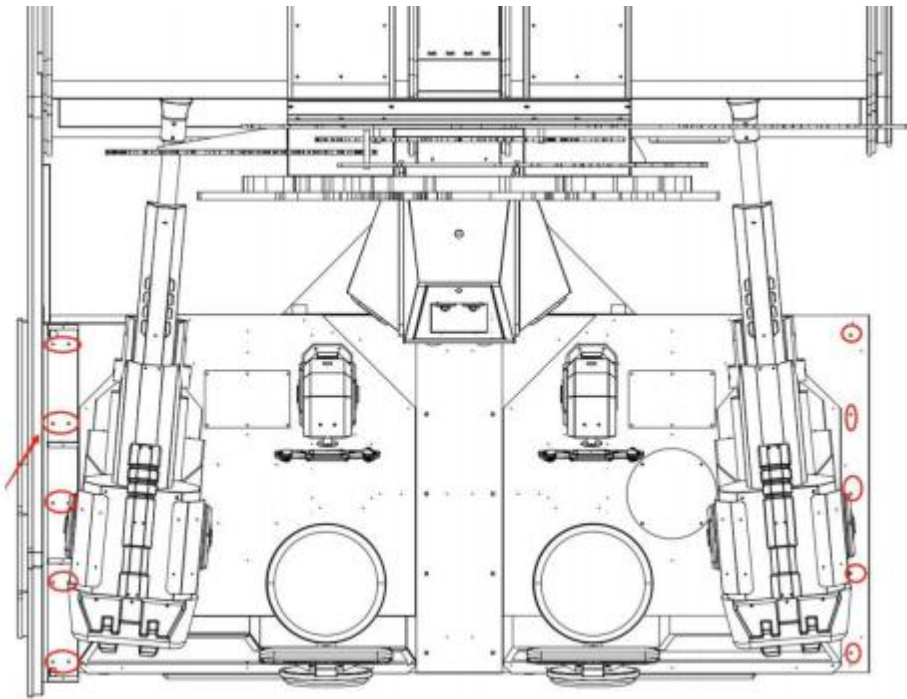


Fig 6

As shown in the picture above, use the matching screws to fix the guardrail on the turret, connect the light line, and then cover and fix it. Fix the other side in the same way.

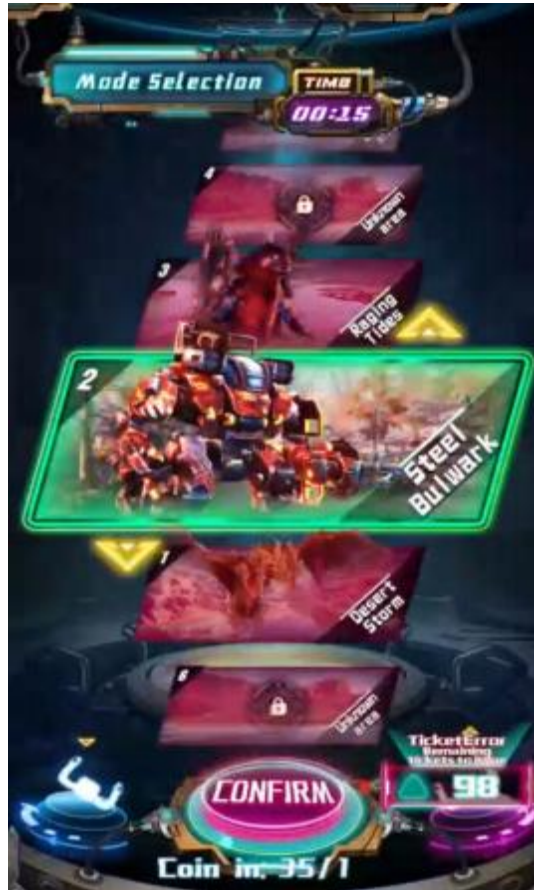
## VI.Failure analysis and troubleshooting

| Common Failures   | Main reasons   | Solutions  |
|---|--|--|
| After the machine is powered on, the power supply works (the power supply fan rotates), but the screen does not light up. | Monitor is not energized                                 | Replace or connect the power cable   |
|   | Signal cable not connected or damaged                    | Connect or replace the signal cable  |
| No response when the machine is energized   | Fuse blown   | Replace the fuse   |
|   | Power supply is not connected                            | Whether the power switch is turned on or not   |
| The control board is not energized  | Check whether the power box output is normal             | Check whether there is any error in the output of 5V, 12V, 24V of the power box.                                 |
| After the machine is powered on, the monitor shows a white screen with no image or sound.                                 | Host computer does not work                              | Turn on the host computer power<br>Replace the host computer power supply Main board breaks down or poor contact |
| The cursor is unresponsive or deviates<br><br>Canon without vibration   | Check whether the potentiometer is faulty                | Check the circuit or replace the potentiometer   |
|   | The certificate is not properly proofread                | Enter the menu to recalibrate  |
|   | Is the air pressure of the air valve displayed normally? | Check whether the air pressure of the air valve is normal  |
|   | Is the air pump working?                                 | Check whether the air pump power supply is normal (the air pump should be drained every two weeks)               |
|   | The cannon barrel does not move                          | Check for sticking or damage to the cylinder   |



## VII. How to play

Game start screen



### 1. Steps to play:

- ① Insert coins to start.
- ② Enter the game by pressing the trigger button on the turret joystick.
- ③ After the score reaches the game set score, you can get the corresponding lottery or gift (menu setting instructions).
- ④ During the game, you can fire by pulling the steering wheel joystick trigger

⑤ During the game, the game screen can move left and right by turning the joystick steering wheel left and right, and the game screen can move up and down by pushing the steering wheel joystick forward and backward, and the turret will also swing up and down.

## VII. Menu Settings

### 1. Menu Main Interface:

Basic Settings: Set game parameters (e.g., coin count, timer, etc.).

Hardware Testing: Set turret speed and anti-shake threshold.

Operation Settings: Adjust game cursor parameters.

Machine Settings: 1P/2P player steering wheel calibration, cannon motion adjustment.

Background Music: Adjust background music volume.

Game Music: Adjust game music volume.

### 2. Basic Settings: You can set the game time and the number of game coins.

① Coins per Round: Set the number of coins required to play a game.

② Game Time: Set the game time.

③ Player Health: Adjust the player's health.

④ Number of Tickets: The number of points required to complete a lottery ticket.

⑤ Small Level Time: The duration of a small level.

⑥ Large Level Time: The duration of a large level.

⑦ Auto-Start Game: Automatically starts the game when you have enough coins.

⑧ Continuous Shooting Energy: Hitting a target (N times) continuously activates the continuous shooting function.

⑨ Continuous Shooting Time: The duration of continuous shooting after activating the continuous shooting function.

