



VR AGENT-TWIN

User Manual



WARNING

- For safety reasons, please read the manual first before plugging in machine.
- Please keep this manual properly for convenient reference as needed.

About This Manual

Thank you for purchasing this product.

The manual describes how to install, set up, use and maintain the product. The main purpose of the manual is to instruct how to operate the product correctly and safely. Please follow all the safety and warning instructions in the manual to avoid personal injury and product damage.

This product may only be maintained by a technician. A technician mainly refers to a person who has obtained a certificate of senior middle school related to mechanical engineering, electrical engineering or at a level equal to that of technical senior middle school graduates, and is engaged routinely in the maintenance, management, repair of amusement machine.

When transferring the ownership of this product, be sure to provide this manual with the machine.

For further information about the game and repair (including consumables), please contact our company.

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1. Safety Precautions

1.1 Warning Stickers

In order to avoid injury to related people and damage to property, please observe the followings:

PLEASE READ FIRST

- The following marks can be used to indicate the magnitudes of risk and damage caused by ignorance or improper operation:



means “may result in serious injury or death”



means “may result in minor injury or property damage”

Serious Injury: refers to the situations in which hospital treatment or long-term treatment will be accepted because of losing sight, getting hurt, getting burnt, electric shock, fracture or intoxication.

Minor Injury: refers to the cases that there is no need to go to hospital or accept long-term treatment.

Property Damage: refers to the damage of house, facility, or hurt of livestock and pet

1.2 Placing Site



Warning

- Please make sure the place line has been grounded before product installation, setup, testing, operation or repair.
- This machine is designed for indoor use only. Never install the machine outdoors. Meanwhile, please avoid the following locations indoor :
 - Direct sunlight, water leakage, damp and high temperature places.
 - Near Flammable, volatile, or/and dangerous substance.
 - Slope, unstable places or locations subject to frequent vibration.
 - Near emergency exit, fire extinguisher or similar equipment.
- The rear part has the vent for heat emission from PC or screen. Don't place anything nearby to avoid game failure.
- Provide a space of minimum 30cm between the rear of the machine and the wall for good ventilation and heat emission.

1.3 Safety Precautions

The owner shall pay attention to the followings when placing, checking and repairing machine to ensure player's security and avoid damage:



Warning

- Please check the voltage is 110V or 220V before the machine connects to the power supply, or it may cause a fire or electric shock.
- Make sure to plug the game into 110V or 220V main outlet to avoid fire and electric shock.
- Make sure to turn off the power when performing maintenance and service to avoid electric shock or short circuit.
- Do not unplug or plug the plug instantly.
- Do not touch the power plug with a wet hand to avoid electric shock.
- Do not expose the power cord/grounding line on the passageway. Failure to do this will damage the power cord, causing electric shock or short circuit.
- Do not place anything near to the power cord to avoid fire.
- Do not pull the power cord when unplugging, please hold the plug to avoid power cord damage, causing fire or electric shock.
- In case of power cord damage, please contact the local distribution for replacement
- Only use fuse and spare parts specified by our company
- Connect the connector firmly and tighten the screws.
- Do not dismount, replace or convert the product without our permission in order to avoid damage and human injury due to improper operation.
- Check and maintain the machine regularly.
- Keep "WARNING stickers" clean and legible. Replace it immediately when the words are not legible or the dirt cannot be removed.
- Please contact our service center when performing any work that is not described in this manual, and follow the instruction provided.

1.4 Precautions during Play



Caution

- In order to avoid injury and accident during play, the following people shall not play the game :
 - People who are injured or less mobile.
 - Person with poor health condition, such as hypertension or heart disease.
 - Person wearing high-heeled or slippery shoes.
 - Person who's feet cannot touch the stepping base.
 - Pregnant woman, drunk people.
- When a player feels uncomfortable during play, remind the person to have a break, or stop playing.
- Make sure the player reads the Warning labels and other indications, and plays in accordance with the instructions to avoid accidents such as electric shock and short circuit.
- Bystander shall not operate any button when the player is playing the game to avoid unnecessary trouble.

1.5 Transporting and Moving



Caution

Transporting

- When transporting the machine with an elevator, be sure to employ “Lift Point” to prevent accident and damage to the machine.
- To prevent movement when transporting the machine on a vehicle, please fix the casters and fully retract the adjusters. Failure to do this may cause damage to the machine.
- When carrying the machine with a forklift, be sure to insert the fork to fork position and lift stably or it may cause accident and damage to the machine.
- The glass and LCD screen are fragile. Avoid violent vibration or shock when transporting.

Moving

- Before moving the machine, unplug the power plug to prevent accident. Do not damage the cord.
- Pay attention to the obstructions and uneven surface when moving the machine to prevent accident and damage to the machine.
- Fully retract all adjusters before moving to prevent accident and hazard.
- Make sure to use at least two persons to conduct the above work to avoid accident and injury.
- Pay attention to the moving direction, see fig.



1.6 Installing and Placing

Pay attention to the following when placing the machine.



Caution

- Place the machine on the flat and slip resistant area.
- Use the adjusters to fix the machine (See Diagram A).
 1. Loosen the nuts for the adjusters (clockwise), tighten the bolts with a wrench (clockwise).
 2. Tighten the nut firmly (counter clockwise) and fix it well.

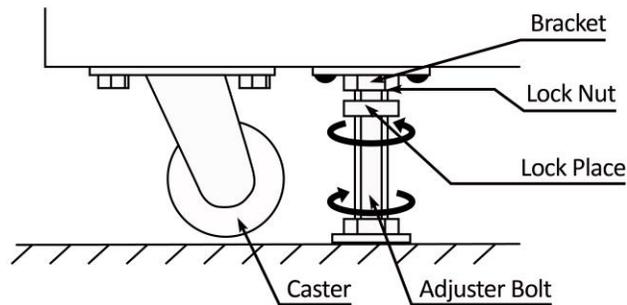


Diagram A

- Provide a space of minimum 30cm between the rear of the machine and the wall for good ventilation and heat emission (see Diagram B and C).

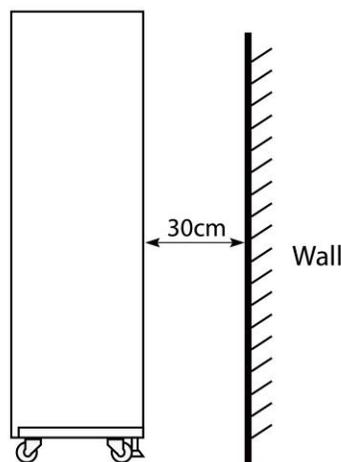


Diagram B

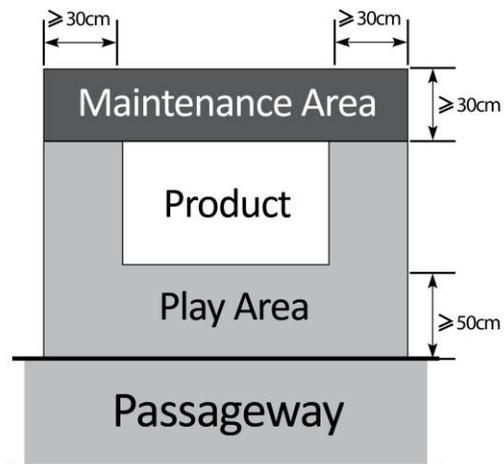


Diagram C

2. Product Description

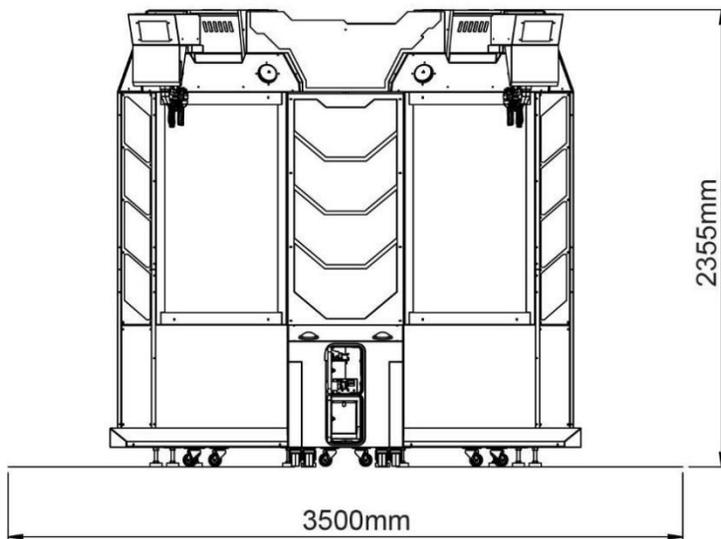
2.1 Product Specification

▪ Location	Indoor Only
▪ Dimension	3500(W) x 2730(D) x 2355(H)mm
▪ Rated Voltage, Frequency	AC220V 50Hz /60Hz
	AC110V 60Hz
▪ Power Consumption	1350W
▪ Weight	642kg
▪ Temperature Range	5~40 °C

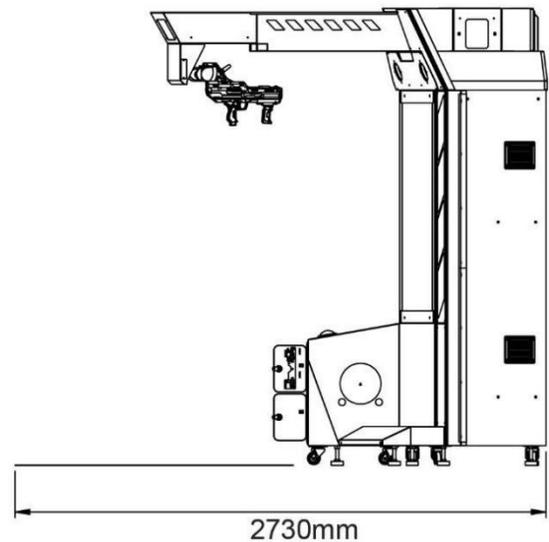
*110V voltage can be set through the transformer and fuse. Please contact the distributor for details.

NOTE: The contents herein described are subject to change without notice.

► Front View

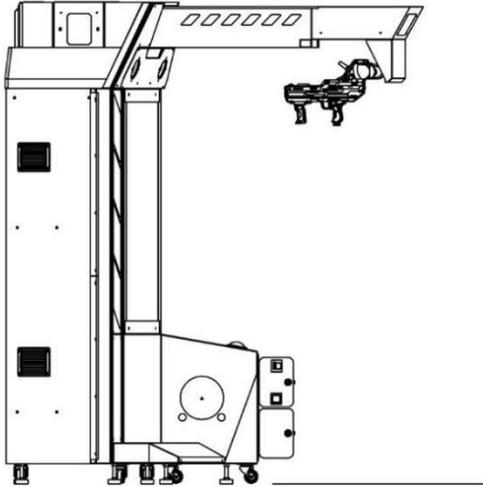


► Side View

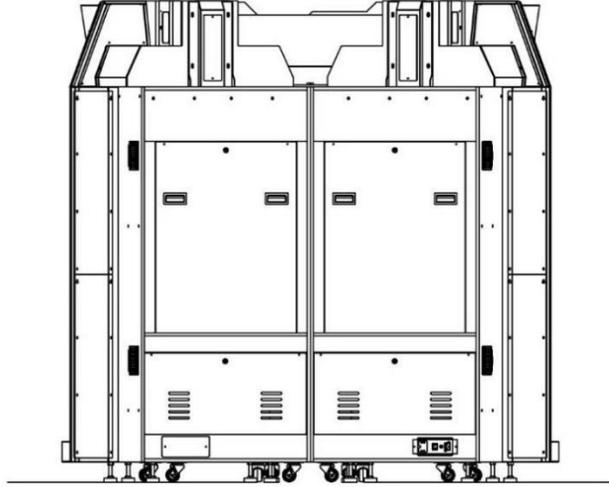


2.2 Cabinet Overview

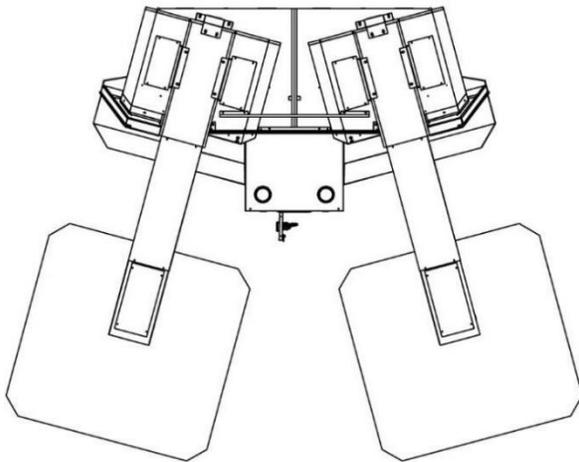
► Side View



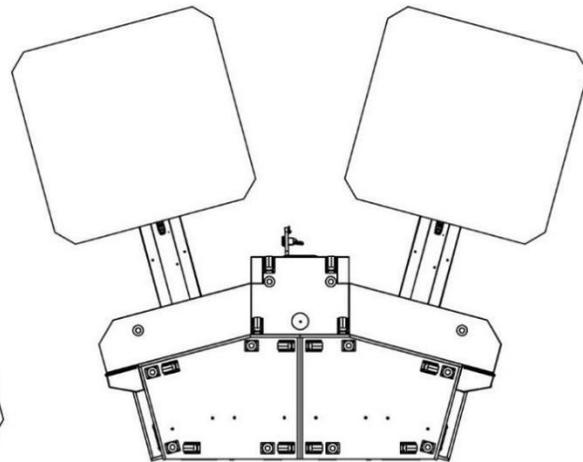
► Rear View



► Top View

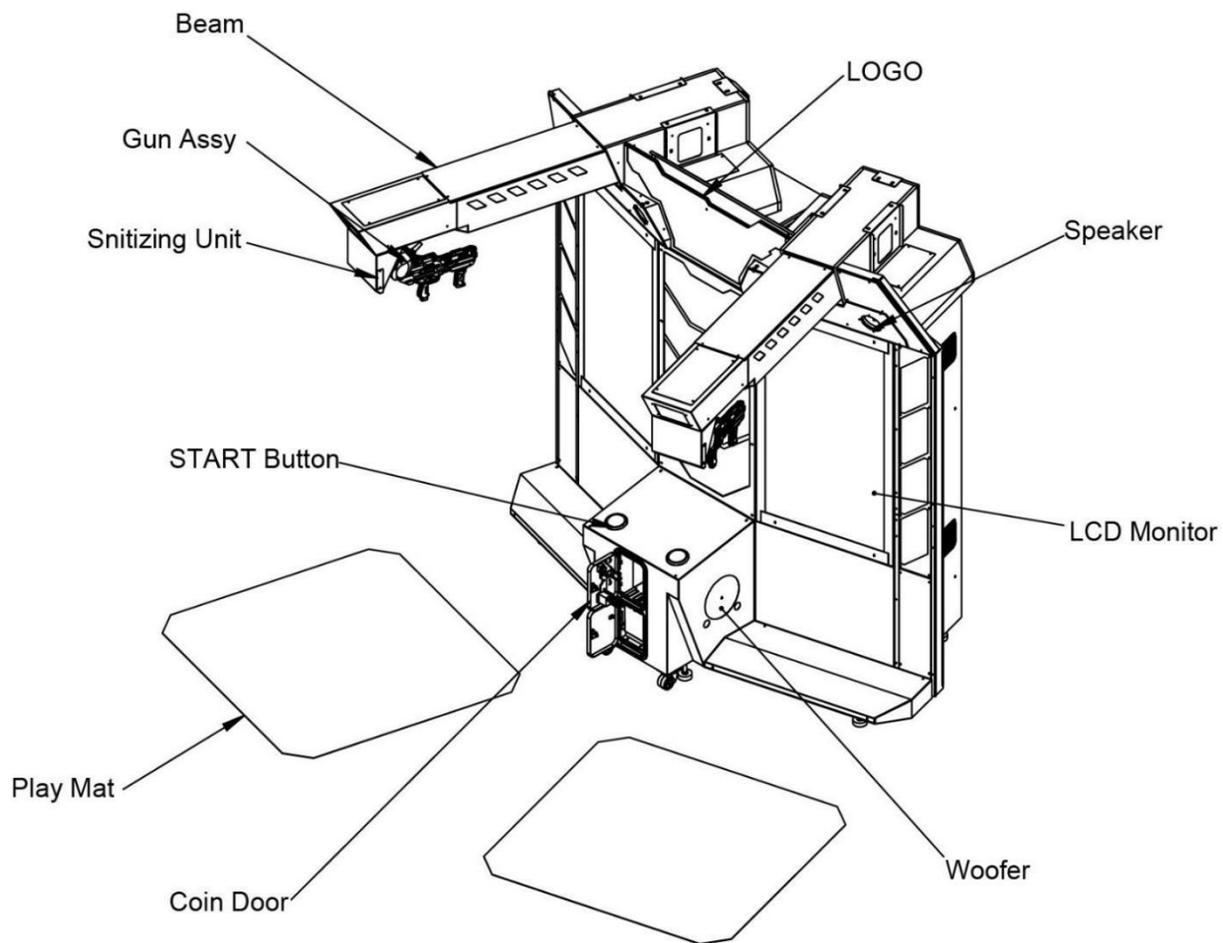


► Bottom View

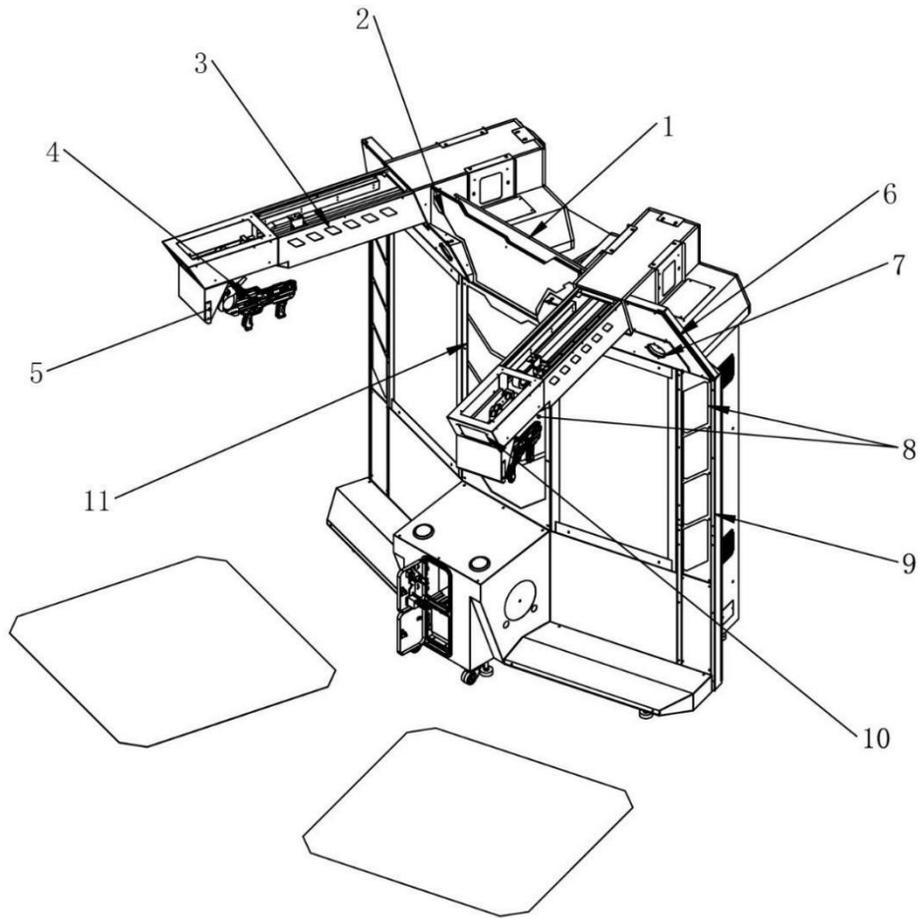


2.3 Parts Name

2.3.1 – Cabinet Component List



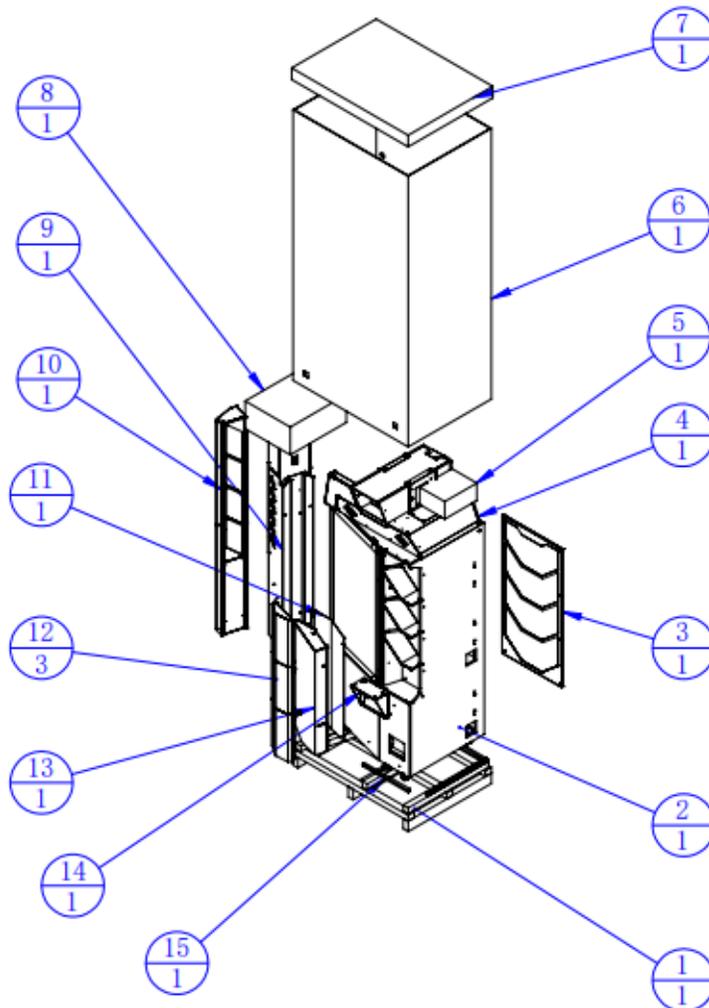
2.3.2 – Cabinet LED List



No.	Drawing No.	name	specification	Qty
1	ACG3-0000H01	LED	DC12V White SM-2P-(LED400)	2
	ACG3-0000H02	LED	DC12V White SM-2P-(LED900)	1
2	ACG3-0900H01	LED	SK6812 SM-3P-(LED850)	2
3	ACG3-0200H03	LED	DC12V RGB SM-4P-(LED650)	4
4	ACG3-1200H05	LED	SK6812 C3-3P-LED50-LED50-LED50	2
5	ACG3-0200H04	Disinfection lamp	GS3535UVCA-M5 UVC LED	2
6	ACG3-1000H01	LED	SK6812 SM-3P-(LED450)	2
7	ACG3-0300H01	LED	DC12V RGB SM-4P-(LED400)	4
8	ACG3-0500H02	LED	SK6812 SM-3P-(LED250)-SM-3P	16
9	ACG3-0500H01	LED	SK6812 SM-3P-(LED1800)-SM-3P	2
10	ACG3-0200H02	LED	DC12V White SM-2P-(LED150)	2
11	ACG3-0600H01	LED	SK6812 SM-3P-(LED1200)	2

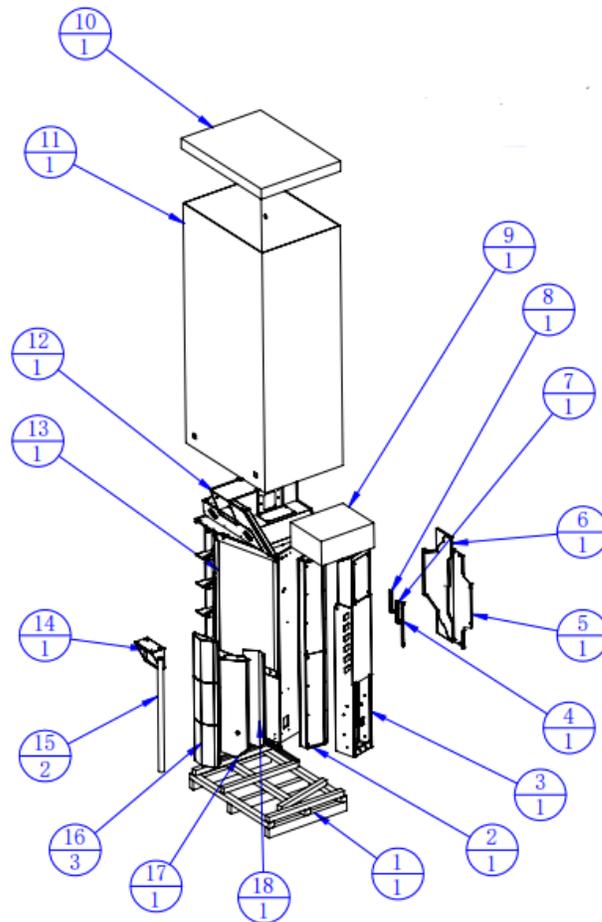
2.4 Shipment List

- Packing Carton 1 (1P Frame): 1150 X 830 X 2487MM



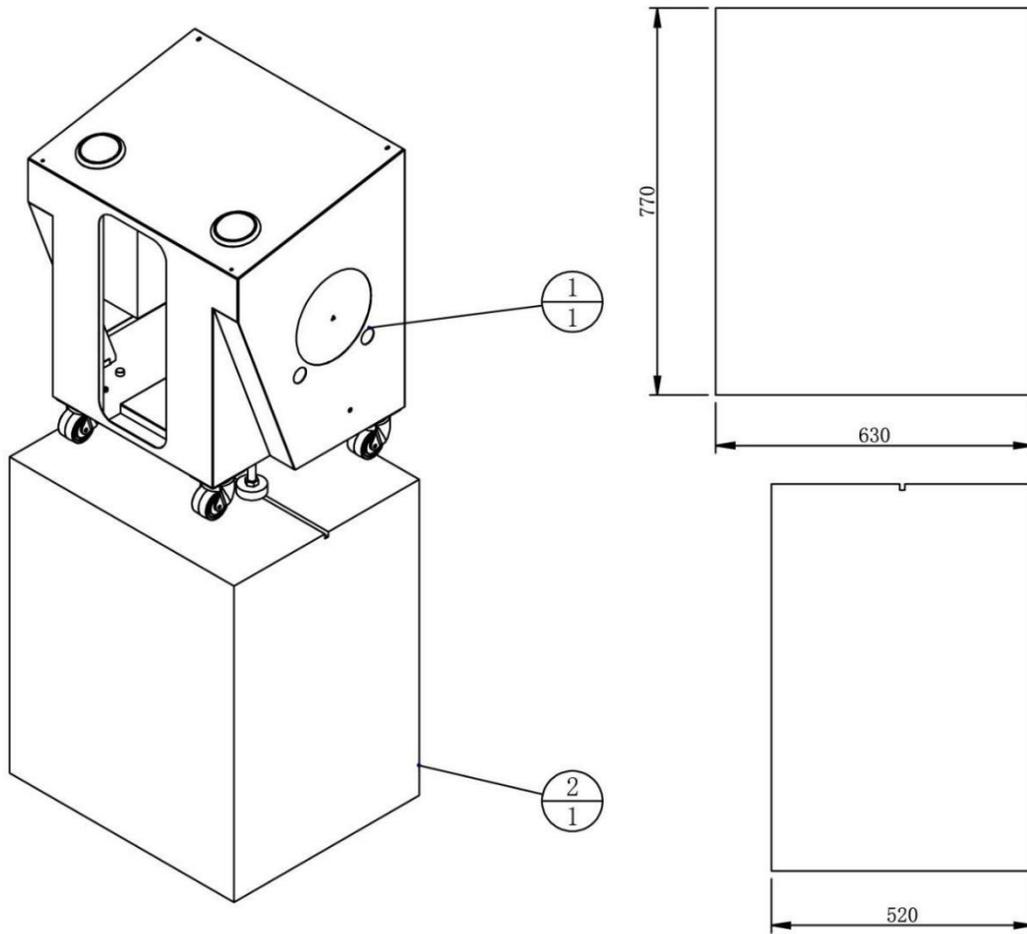
15	ACG3-9901E04	Batten	Wood	1	
14	ACG3-0204000	Disinfection assembly		1	
13	ACG3-0000A02	Left pedal	SPCC	1	
12	ACG3-0200A08	beam upper cover	SPCC-1.2T	3	
11	ACG3-0000A05	Left pedal cover	SPCC-1.0T	1	
10	ACG3-0500000	L side frame		1	
9	ACG3-0200000	beam assembly		1	
8	ACG3-99050	gun assembly		1	
7	ACG3-9901E03	Canopy	2C 850g T-7	1	
6	ACG3-9901E02	fence	2C 850g T-7	1	
5	ACG3-99060	accessory box		1	
4	ACG3-0300000L	Left light box		1	
3	ACG3-0600000	Middle frame assembly		1	
2	ACG3-0100000	1P frame		1	
1	ACG3-9901E01	L frame platform	Wood	1	
No.	Drawing No.	Name	Specifications	QTY.	Others

▪ Packing Carton 2 (2P Frame): 1150 X 830 X 2487MM



18	ACG3-0000A06	Right pedal cover	SPCC-1.0T	1	
17	ACG3-0000A03	Right pedal	SPCC	1	
16	ACG3-0200A08	Beam upper cover	SPCC-1.2T	3	
15	ACG3-0000D01L	Play Matt		2	
14	ACG3-0204000	Disinfection assembly		1	
13	ACG3-0700000	2P frame		1	
12	ACG3-0300000R	Right light box		1	
11	ACG3-9901E02	Fence	2C 850g T-7	1	
10	ACG3-9901E03	Canopy	2C 850g T-7	1	
9	ACG3-99050	gun assembly		1	
8	ACG3-0900A04	LOGO L support	SPCC-1.5T	1	
7	ACG3-0900A02	LOGO R support	SPCC-1.5T	1	
6	ACG3-0900000	LOGO assembly		1	
5	ACG3-0000A04	LOGO light assembly	SPCC-1.2T	1	
4	ACG3-0900A03	LOGO down support	SPCC-1.5T	1	
3	ACG3-0200000	Beam assembly		1	
2	ACG3-0800000	R side frame assembly		1	
1	ACG3-9902E01	Right frame platform	Wood	1	
No.	Drawing No.	Name	Specifications	QTY	Others

▪ Packing Carton 3 (Console): 630 X 770 X 520MM



2	ACG3-9903E01	Console carton	3C 1100g T-10	1	
1	ACG3-0400000	Console assembly		1	
No.	Drawing No.	Name	Specifications	QTY	Others

2.5 Unpacking Instruction

WARNING

- For safety reasons, 3 people are required for the installation.

Each cabinet contains of 3 packages:

(1) 1P Frame Package

(P.S.: contains the Cabinet Key inside the accessory box)



(2) 2P Frame Package



(3) Console Package



2.5.1-Steps of Unpacking [1P Frame Package]

1. Remove the outer carton



2. Cut the packing tape and remove the packing bag



3. Remove the accessory box.

P.S: The cabinet key is inside the accessory box.



4. Accessory box parts include:



- | | | | |
|-------------|-----------------|----------------|----------------------|
| 1) Anchor*2 | 2) Power Cord*1 | 3) Fan ASSY *2 | 4) Ventilation net*4 |
| 5) Screw*6 | 6) Key & Fuse*1 | 7) Manual*1 | 8) Side cover *2 |

5. Remove the side & back parts



6. Parts include:

1) Middle Frame Assembly (1 set)



2) Beam Upper Cover (3 sets)



3) Left Pedal & Left Pedal Cover (1 set)



7. Remove the parts



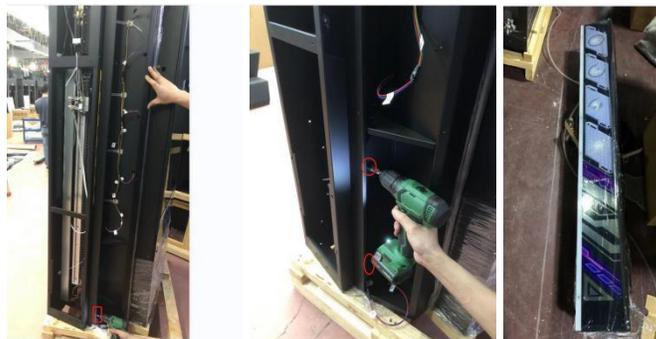
8. Includes Parts: Disinfection Assembly (1 set)



9. Remove the Left frame cover (2 sets)



10. Remove the L side frame assembly



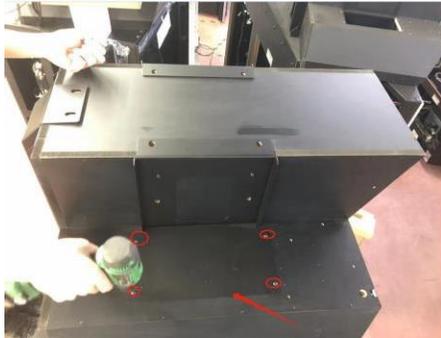
11. Remove the PC door & monitor door



12. Remove the beam assembly (**Be caution with the gun assembly!**)



13. Remove the light box upper cover (2 sets)



14. Remove the light box .



15. Move the Left monitor frame down



=== 1P Frame Package: Unpacking is completed. ===

2.5.2-Steps of Unpacking [2P Frame Package]

1. Remove the outer carton



2. Cut the packing tape and remove the packing bag



3. Remove the side & parts



4. Included Parts:

1) LOGO Assembly (1 set)



2) Beam Upper Cover (3 sets)



3) Right Pedal & Right Pedal Cover (1 set)



4) Play Matt (2 sets)



5) LOGO Support (3 sets)



6) LOGO Light Assembly (1 set) & Middle Support Plate (1 set)



5. Remove the parts



6. Included Parts: Disinfection Assembly (1 set)



7. Remove the Right frame cover (2 sets)



8. Remove the R side frame assembly



9. Remove the PC door & monitor door



10. Remove the beam assembly (**Be caution with the gun assembly!**)



11. Remove the light box upper cover (2 sets)



12. Remove the light box



13. Move the Right monitor frame down



=== 2P Frame Package: Unpacking is completed. ===

2.5.3-Steps of Unpacking [Console Package]

1. Remove the outer carton



2. Remove the console assembly



=== Console Package: Unpacking is completed. ===

2.6 Packing List

Please check the following items after purchasing our product. If any part is missing or damaged, please contact our salesperson.

No.	Name	Material/Specification	Quantity	Remarks
1	Plastic ventilation net	140*165mm	4	
2	Fan assembly	120*120mm	2	
3	Power Cable	3m	1	
4	Fuse Tube	10A/20A	1	
5	Key	5555	6	
6	Outer hexagon screw	8*35	20	
7	Outer hexagon screw	8*45	16	
8	Outer hexagon screw	8*20	20	
9	Hexagon flat head screw	4*12	60	
10	cross head screw	4*16	20	
11	Hexagon flat head screw	4*8	10	
12	Flange cap screws	M4	30	
13	Fixing screw		2	
14	Anchor screw		2	
15	User Manual		1	
16	Flange cap screws	M8	8	
17	Side cover		2	

2.7 Assembly Instruction

WARNING

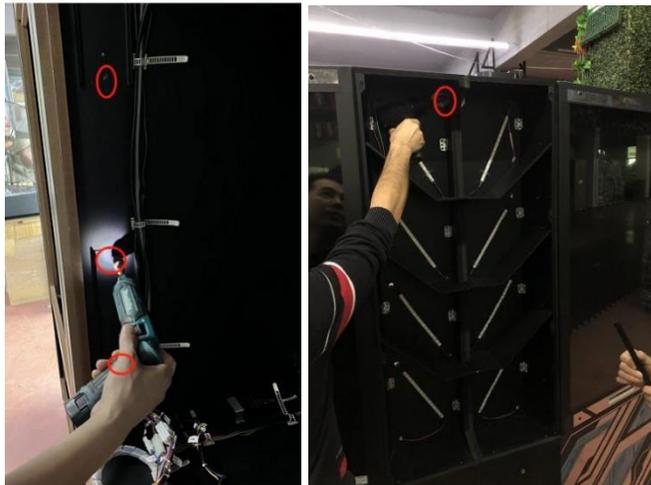
- For safety reasons, 3 people are required for the installation.

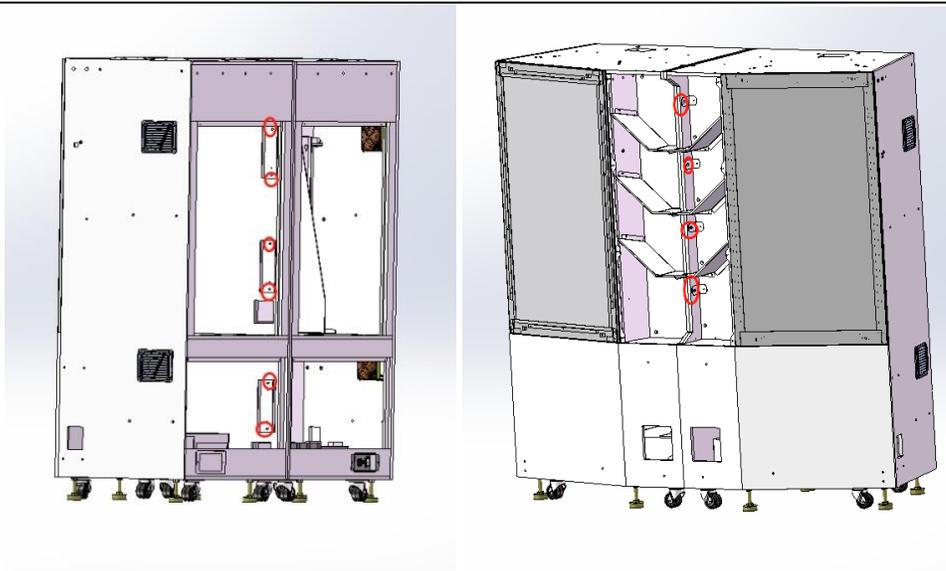
2.7.1 Cabinet Assembly

1. Remove the monitor door & PC door from the L/R monitor cabinet.

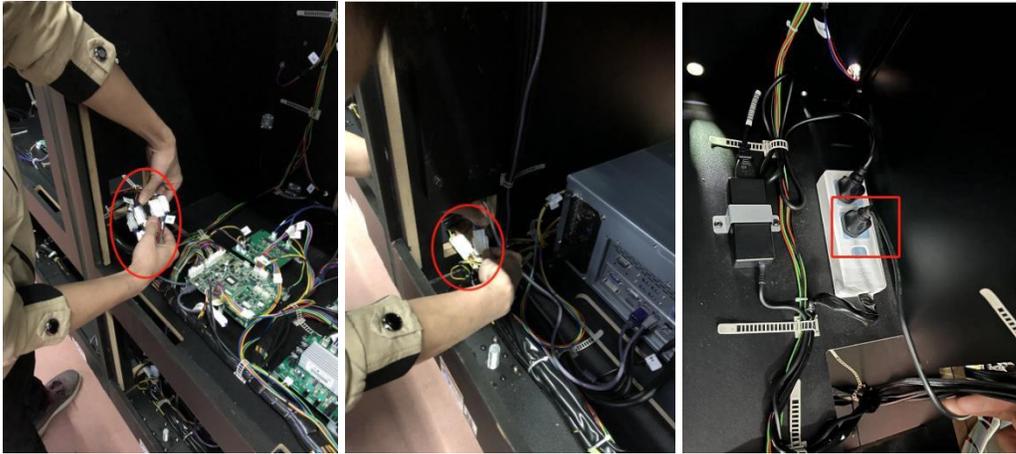


2. Connect the L/R monitor cabinet with 10 screws from the front and back.





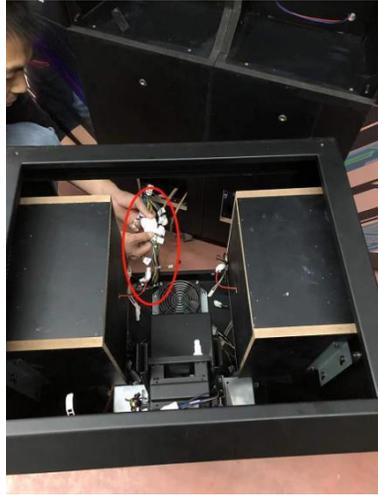
3. Connect all wires of L/R monitor cabinet and plug in the 1p VR HMD power cord.



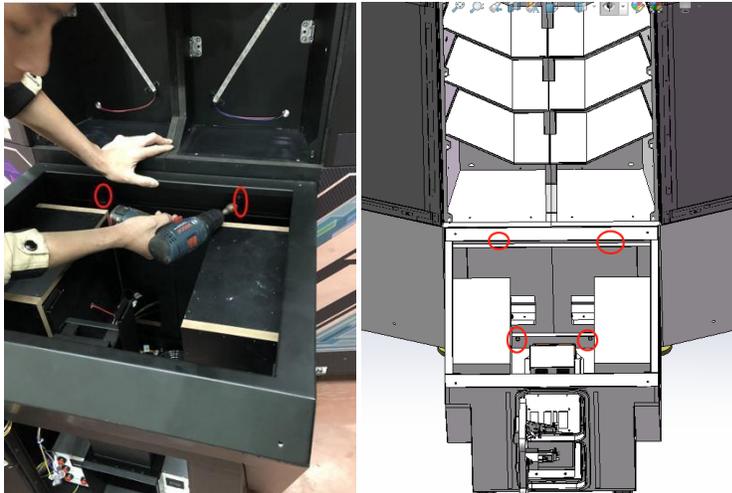
4. Remove the console panel from the console frame.



5. Connect all wires between console and monitor cabinet.



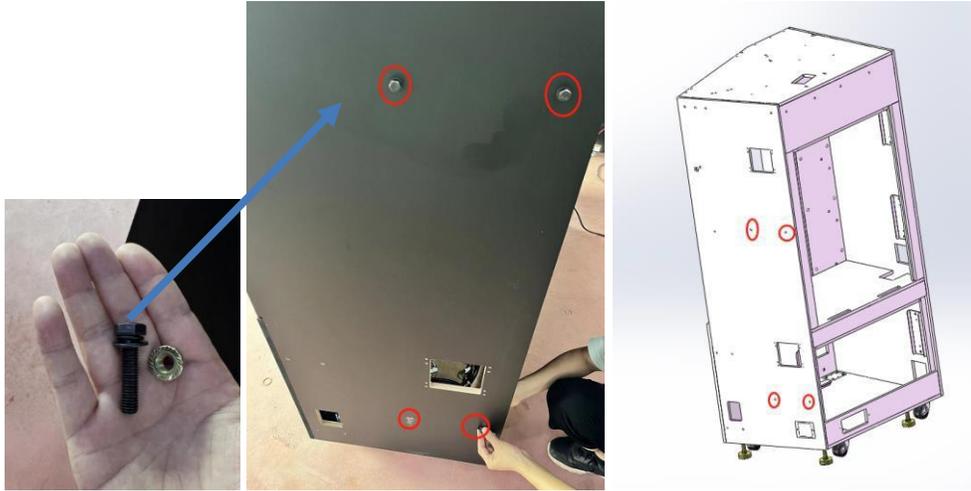
6. Fix the console frame to the L/R monitor cabinet with 4 screws



7. Fix the side frame hanger and screw on the L/R side frames.



8. Plug the four holes on the side of the frame with screws and nuts.

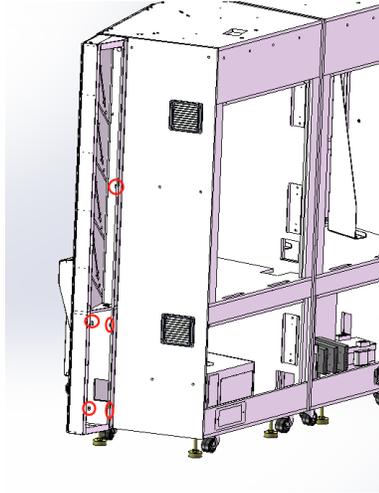


9. Connect the upper wire between the side frame and monitor cabinet.



10. Hang the L/R side frame on the monitor cabinet and fix it with 5 screws.





11. Connect the bear wire between the side frame and monitor cabinet.



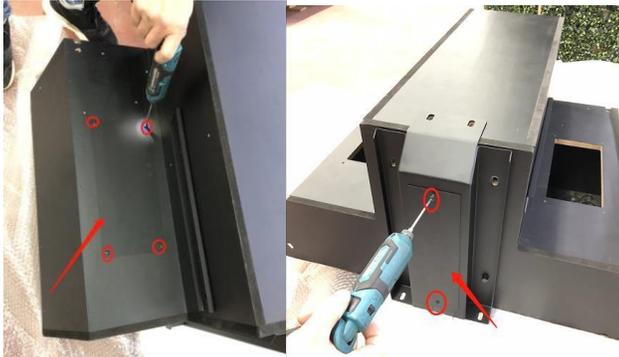
12. Fix the back cover to the side frame.



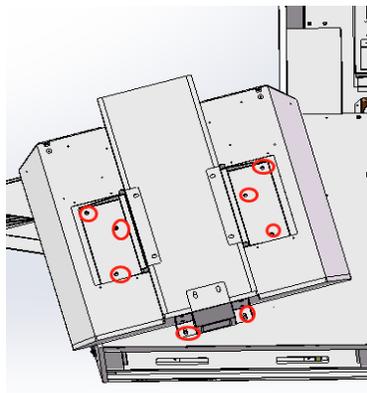
13. Remove the speaker cover and beam support plate from the L/R light box.



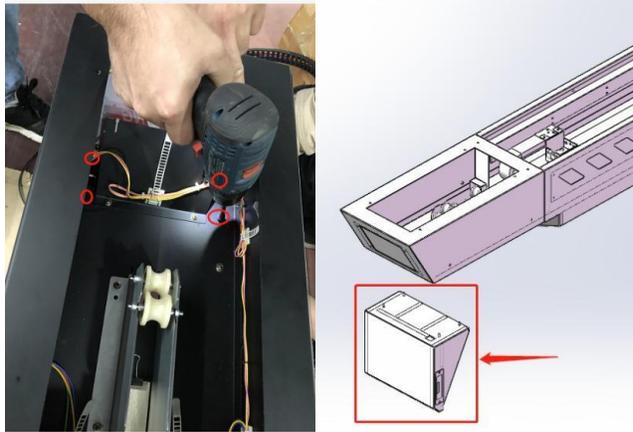
14. Remove the upper cover and rear cover from the L/R light box.



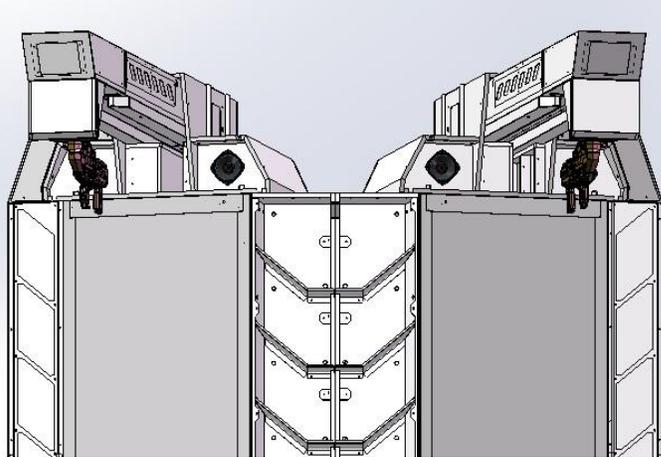
15. Fix the L/R light box frame to the monitor cabinet with screws.



16. Fix the disinfection assembly to the beam assembly.

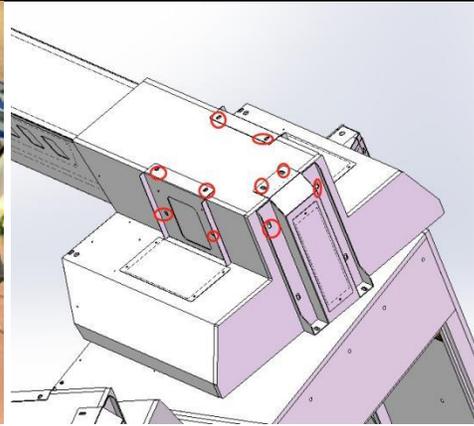


17. Put the beam assembly slowly into the fixing seat of light box.

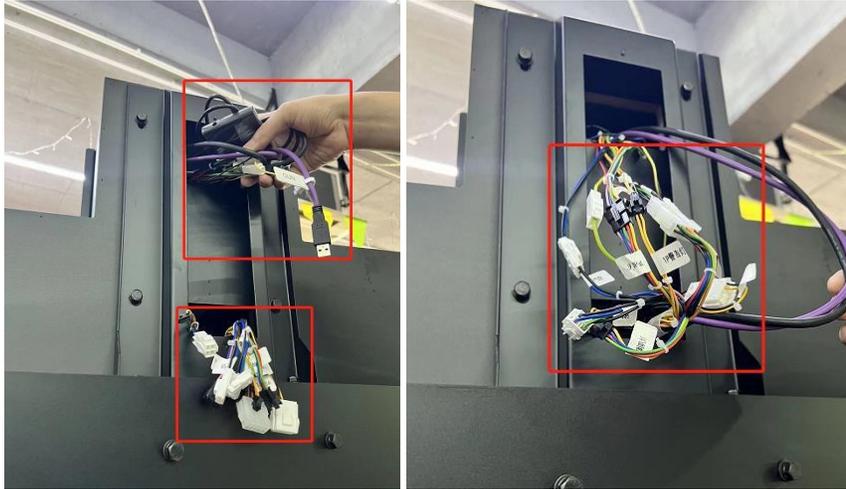


18. Fix the beam assembly to the light box with 12 screws.

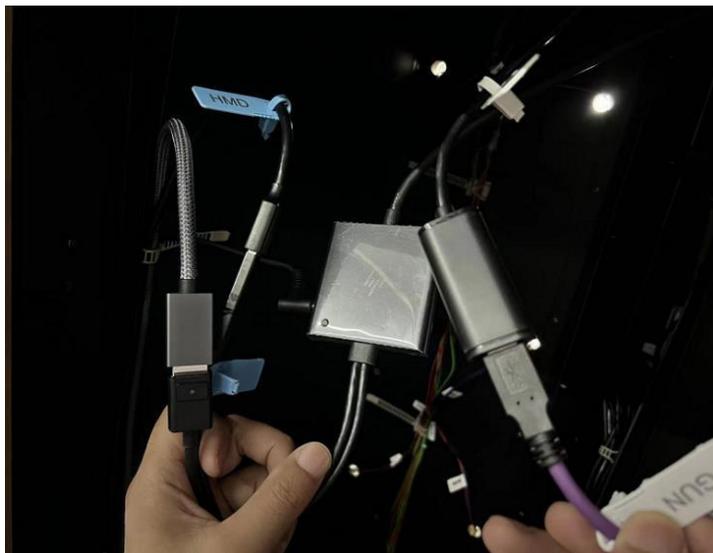


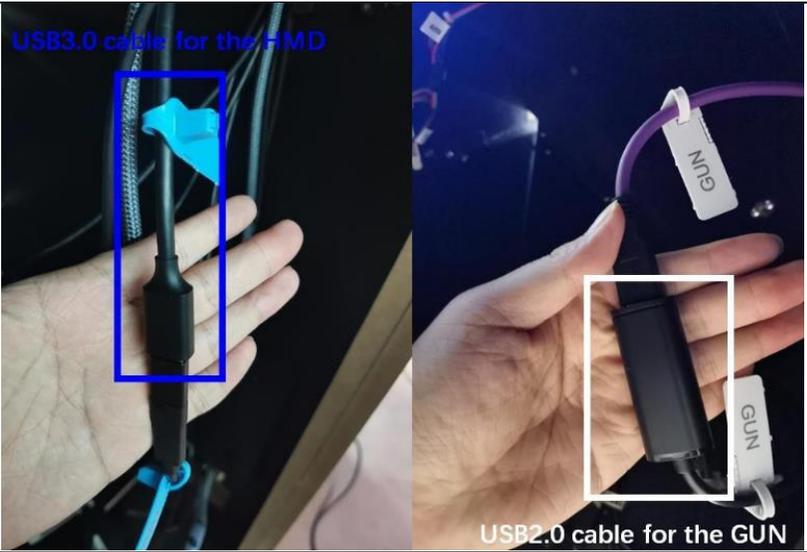


19. Take out the wires of the beam & the light box then connect them with the wires of the monitor frame.



20. Extend the gun wire and VR HMD wire into the monitor frame and connect with the corresponding interface. **Notice: Please connect the USB of the gun cable and the USB of the HMD cable to the correct interface.**

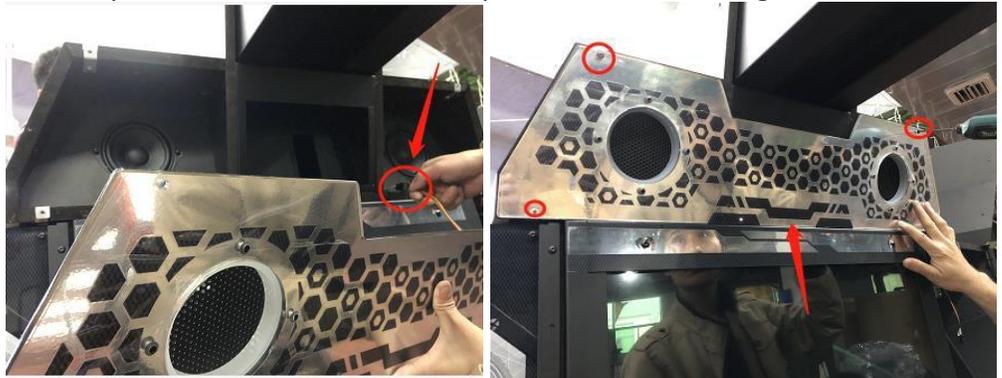




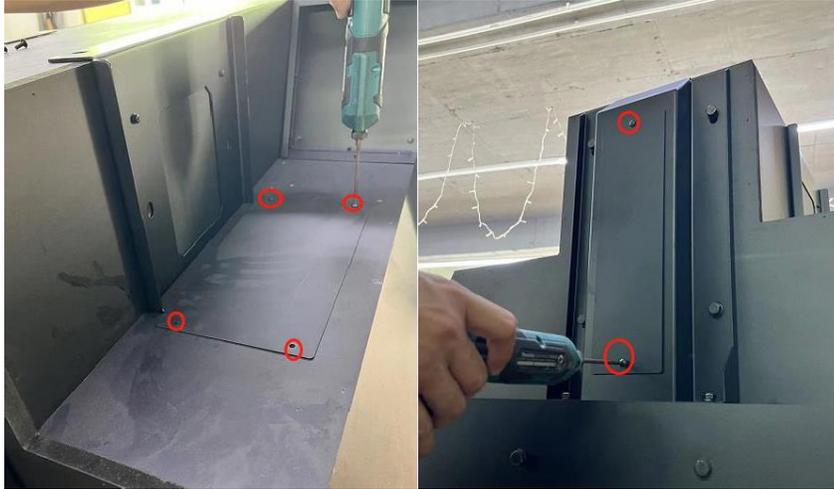
21. Fix the beam support blat to the light box with 4 screws.



22. Connect the speaker LED wire and fix the speaker cover to the light box.



23. Fix the upper cover and rear cover to the light box.



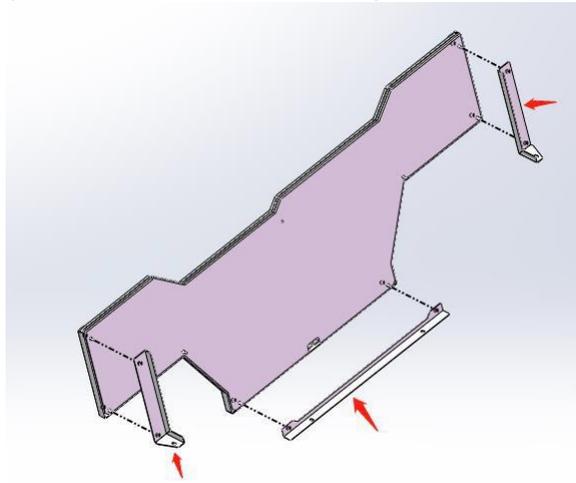
24. Fix the beam covers to the beam assembly.



25. Connect the L/R upper frame assembly LED wire.



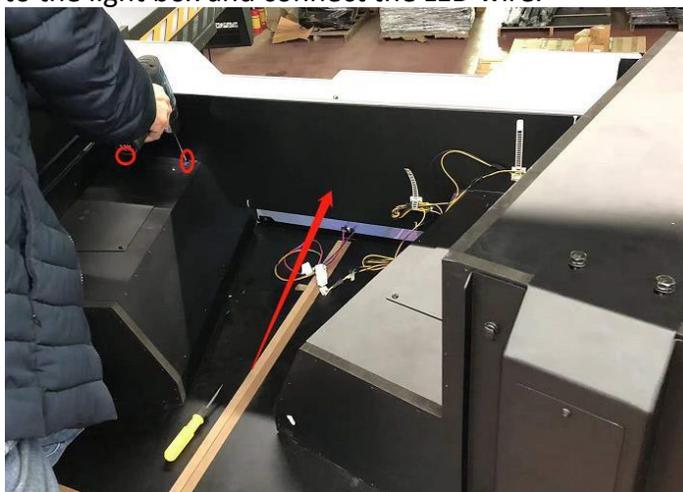
26. Fix the LOGO support plates on the LOGO assembly



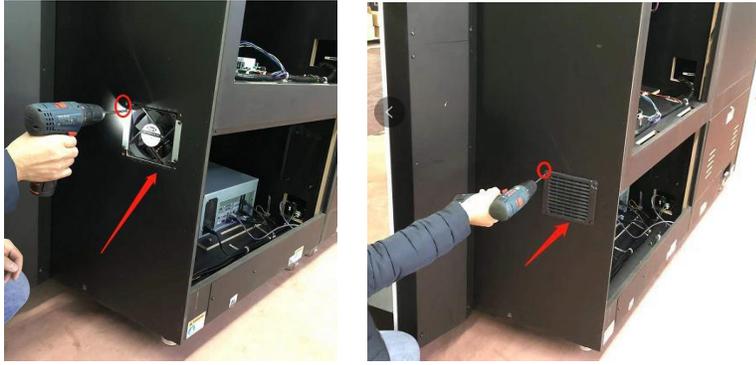
27. Fix the LOGO assembly to the light box and connect the LED wire



28. Fix the LED plate to the light box and connect the LED wire.



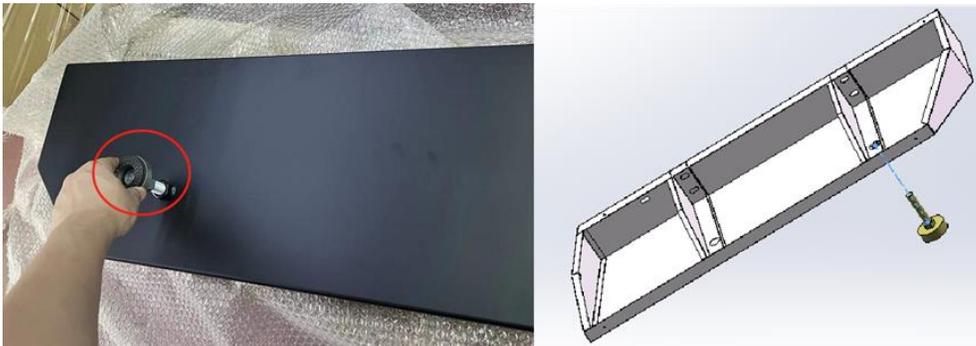
29. Fix the fan assembly and plastic net to the monitor cabinet, then connect the fan wire.



30. Fix the side cover to the monitor frame R & L



31. Fix anchors to the L/R pedal.



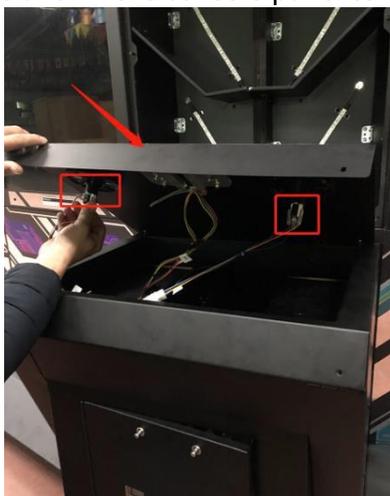
32. Fix the L/R pedal to monitor cabinet & console with screws.



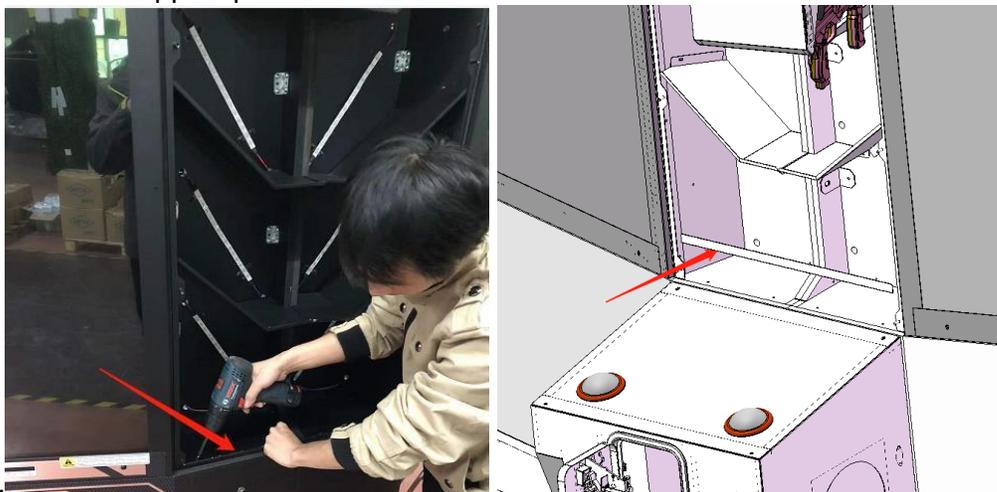
33. Fix the L/R pedal cover to the pedal



34. Connect the start button wire and fix the console panel to the console frame with screws.



35. Fix the middle support plate to the monitor cabinet with screws



36. Connect the middle frame assembly wire.



37. Fix the middle frame assembly to monitor cabinet with screws.



38. Fix the monitor door & PC door to the monitor cabinet.

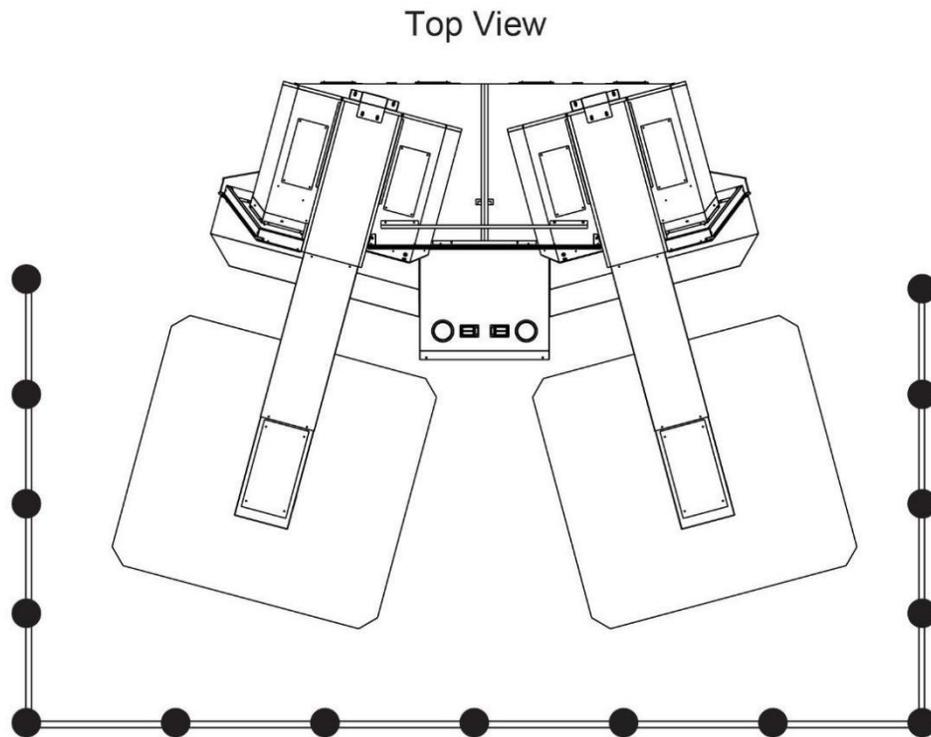
39. Put the play mat under the gun assembly.

=== Cabinet Assembly is completed. ===



2.7.2 – Safety Range of Installation

Safety Range



Suggestions: After installing the machine, please set a certain warning range to remind other players not to approach the player who is playing the game, so as to avoid injury.

Special attention: When special case occurs in shipment, please check “Installation guide” in attachment box of shipment, and make assembly according to installation guide; special supplement will not be made in this instruction.

2.8 Warranty

■ Scope

- Inquiry regarding product can be assisted for free.
- The warranty scope for consumables and durables may differ from product to product. Please contact our after-sales service center for detailed information. The right of final interpretation is reserved.

■ Exclusive

- Damage caused by force majeure.
- Failure caused by carelessness, such as water contact, falling down, toppling, knocking.
- Failure caused by disobeying the instructions in this manual.
- Failure caused by operating the machine on inappropriate site.
- Change the original design and configuration for the game without notice.
- Failure to perform regular service and clean.
- Failure to fix the product in line with the manual's requirement.
- Malfunction or part damage caused by electromagnetic interference other electronic equipments generated.

■ Non-warranty Consumables

- Light tube and bulb
- Button lamp and switch
- Fragile items
- Solenoid
- Other spare parts

3. Game Description and AO MENU



- Please update the game software to latest game build version before game setup.

3.1 Game Description

3.1.1 GAME FEATURE

- Immersive Missions with unique **VR Aiming Controller**
- Up to **4 players linked play**
- **5 Exotic Stages** with Final Stage to face the BOSS
- **2 Game Modes:**
 - >SOLO PLAY
 - >CO-OP PLAY (support link-play up to 4 players at a time)
- Game Difficulties: **Easy, Normal and Hard**
- Full **LED** illuminated Cabinet

3.1.2 GAME CONTENT

Scenes

There are total of 5 scenes:

- **1 - Nightclub**



- **2 - Tunnel**



- **3 - Factory**



- **4 - Warehouse**



- **5 - BOSS Stage (final stage)**

Stages

- There are total of 5 stages.

Difficulties

- There are 3 levels of difficulties: **Easy**, **Normal** and **Hard**

Game Modes

- **PLAYER SOLO**
- **CO-OP PLAY** (support link-play up to 4 players at a time)

3.2 Game Flow

3.2.1 Front-End MENU

(1) Insert Coin Page

Insert coin page will appear to ask player to insert coins and start the game.



(2) Warning Message

A warning screen will appear after game is started.



(3) Select Game Mode

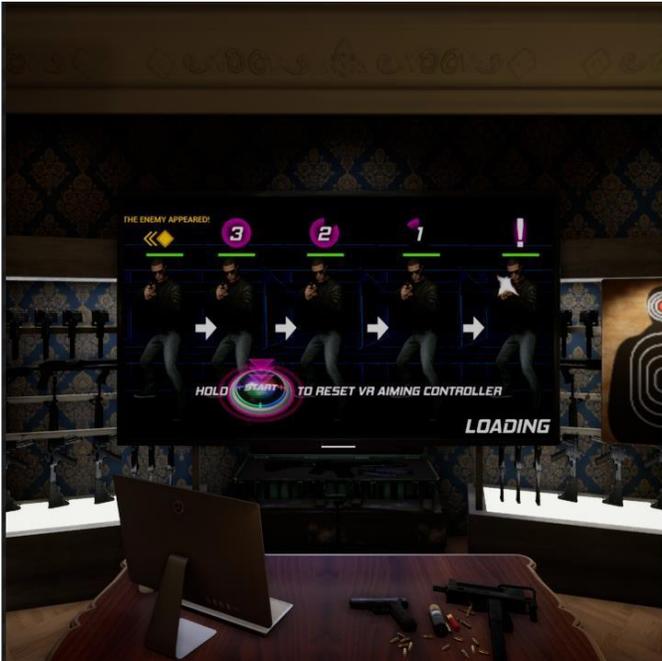
The game has two game modes: **PLAYER SOLO** and **CO-OP PLAY** (support link-play up to 4 players at a time)

Awaiting Player screen will be shown after choosing **CO-OP PLAY** mode (if one of the Cabinets is currently in a single player game, CO-OP PLAY will not be offered)



(4) Loading Screen

Recalibration Instructions will be shown in loading screen.



3.2.2 In-Game HUD

(5) In-Game HUD

Game START

Game starts at once right after the loading is finished.



UI Screen

During the game, status of the player and enemies will be displayed around the screen.



1 - Game countdown time	5 - Countdown enemy attack time
2 - Player's health	6 - Enemy's weak point(s)
3 - Number of bullets	7- Enemy position locator
4 - Enemy's health	

3.2.3 Back-End MENU

(6): Player Result

The game ends when the player completes the stage or has no life remaining or time is up.

After a stage has been completed, the performance of player(s) in the stage will be displayed.



3.3 USB Drive Patching

USB Patching Steps:

1. Create a directory named [**VRAgentUpdate**] in the USB (for example, U:\VRAgentUpdate\), and copy the new game update software to this directory.
2. Turn off the host computer of the VR Agent machine.
3. Please insert the USB Drive into the host computer of VR AGENT machine.
4. Restart the host computer of the VR AGENT machine, the game launcher will automatically start and install updates from the USB drive.
5. After USB patching is completed, please remove the USB drive from VR AGENT machine.

3.4 Operator MENU

NOTE: It is advised to make any kind of test menu change when sat idle is on the attract sequence.

Arcade Operator

1. Under the game **Title Screen**, press the [TEST/EXIT] key of the coin control box to enter the [Arcade Operator], the **main arcade operator** menu is shown as below.



2. In the main menu screen, use the [OPTION Cycle/SELECT] button to **select a menu item** and to enter the **sub-menu list**.

Under each menu list, use the [DOWN] button to select the next column (there is no [UP] button). By pressing [DOWN] button at the last column of the list, it will go back to the first column of the list).

The main menu includes the following settings:

<ul style="list-style-type: none">▪ Game Settings▪ Bookkeeping Settings▪ Credit Settings▪ Input Settings▪ Output Settings	<ul style="list-style-type: none">▪ Clock Settings▪ Network Settings▪ Language Settings▪ Reset All Settings
--	--

3. Use the [OPTION Cycle/SELECT] button to select the preference of the selected sub-menu item.

Use the [BACK/SERVICE] to go back to the previous sub-menu list or to go back to **main menu screen**.

4. To exit the **arcade operator** user interface, press the [TEST/EXIT] button.

Setup is saved automatically. It will go back to the game title screen with new settings.

3.4.1 Game Settings

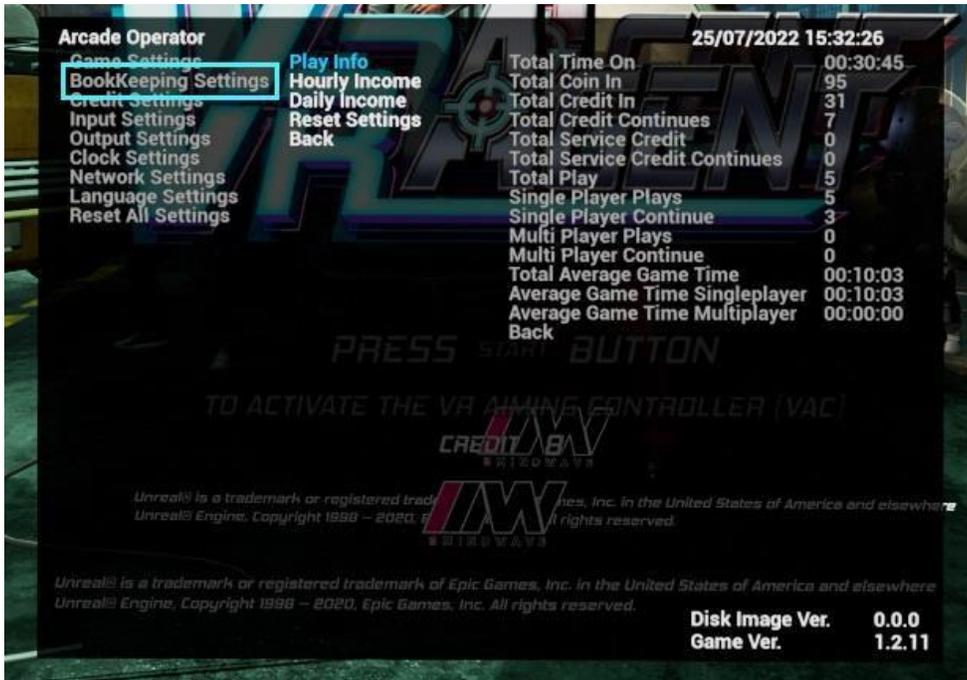


1. Enter **[Game Settings]**, you can set the following items:

Setting Items	Setting Content
Player Life	1-15
First Credit Armor	Off/ _30/ _60/ _120/ _150/ _180
Continue Armor	Off/ _30/ _45/ _60
Difficulty	1/2/3 (1 = the easiest)
Dynamic Difficulty	On/Off
Robot Mode	On/Off
Level Selection	On/Off
Reset Highscores	Reset High score back to Default
Reset Settings	Reset
Back	Back

2. After setting or testing, settings will be saved automatically.
Please press **[TEST/EXIT]** to exit the operation menu interface.

3.4.2 Bookkeeping Settings



1. Enter [**Bookkeeping Settings**], you can check the following items:

Setting Items	Check Content
Play Info	/
	Total Time On
	Total Coin In
	Total Credit In
	Total Credit Continues
	Total Service Credit
	Total Service Credit Continues
	Total Play
	Single Player Plays
	Single Player Continue
	Multi Player Plays
	Multi Player Continue
	Total Average Game Time
	Average Game Time Singleplayer
	Average Game Time Multiplayer
Hourly Income	Total Income by Hour
Daily Income	Monday to Sunday
Reset Settings	Reset
Back	Back

2. After setting or testing, settings will be saved automatically.
Please press [**TEST/EXIT**] to exit the operation menu interface.

3.4.3 Credit Settings



1. Enter [**Credit Settings**], you can set the following items:

Setting Items	Setting Content
Credit Count	0-24
Service Credits	0-24
Clear Credits	Clear Credit to 0
Entry Type	Coin/Card Swipe
Credit Settings	Free Play/ X Coins X Credit
Continue Settings	Same as Credit Settings/ X Coins X Credit
Reset Settings	Reset
Back	Back

2. After setting or testing, settings will be saved automatically.
Please press [**TEST/EXIT**] to exit the operation menu interface.

3.4.4 Input Settings



1. Enter [**Input Settings**], you can set the following items:

Setting Items	Setting Content
Trigger Button	On/Off
Reload Button	On/Off
Start Button	On/Off
Down	On/Off
Option Cycle / Select	On/Off
Test / Exit	On/Off
Back / Service	On/Off
IO Board	Connected/Not Connected
IO Board 2	Connected/Not Connected
IO 2 Input Left*	On/Off
IO 2 Input Right*	On/Off
Gun Board	Connected/Not Connected
Back	Back

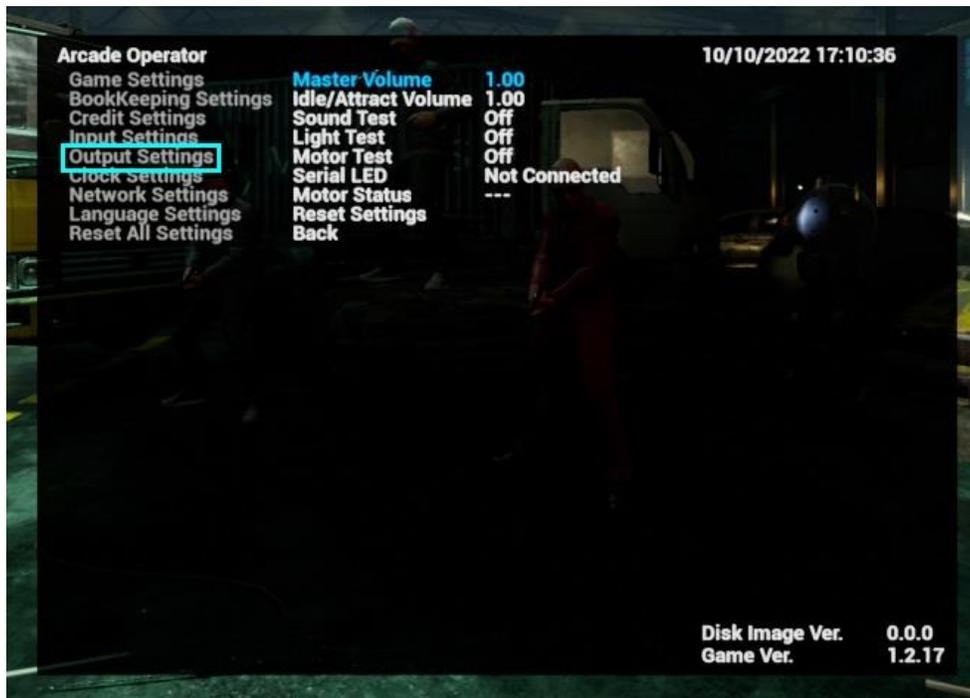
*Remark: IO 2 Input Left & IO 2 Input Right

In order to test the IO 2 input - Hit the start button and proceed to hold the gun up while it is being lowered. You can enter the test menu during this time and observe that the IO 2 Input is ON. (Left for left side cabinet and Right for Right side cabinet).

2. After setting or testing, settings will be saved automatically.

Please press [**TEST/EXIT**] to exit the operation menu interface.

3.4.5 Output Settings



1. Enter **[Output Settings]**, you can set the following items:

Setting Items	Setting Content
Master Volume	0-2.00
Idle/Attract Volume	0-2.00
Sound Test	Off/Left/Right/Sub
Light Test	Off/Gun Rack/Gun/ Monitor Side Left/ Monitor Side Right/ Logo Left/ Logo Right
Motor Test	On/Off
Serial LED	Connected/Not Connected
Motor Status	--- (Alert)/ Top (Alert) / Bottom (Alert)
Reset Settings	Reset
Back	Back

2. After setting or testing, settings will be saved automatically.
Please press **[TEST/EXIT]** to exit the operation menu interface.

3.4.6 Clock Settings



1. Enter **[Clock Settings]**, you can set the following items:

Setting Items	Setting Content
Year	Year
Month	Month
Date	Date
Hour	Hour
Minute	Minute
Second	Second
Apply	Apply
Back	Back
	PLEASE NOTE: Setting the time or date to the past will require the game to restart.

2. After setting or testing, settings will be saved automatically.
Please press **[TEST/EXIT]** to exit the operation menu interface.

3.4.7 Network Settings



1. Enter **[Network Settings]**, you can set the following items:

Setting Items	Setting Content
Network Status	Linked/Linked [X] Cabs / No Link
Machine IP	--- / [displaying a Machine IP no.]
Group ID	1/2/3/4/5/6/7/8
Cabinet ID	1/2/3/4
Reset Settings	Reset
Back	Back

2. After setting or testing, settings will be saved automatically.
Please press **[TEST/EXIT]** to exit the operation menu interface.

Network Settings Instruction 1 (displayed on LHS machine):

Player 1 (Cabinet 1 LHS) Cabinet ID: 1	Player 2 (Cabinet 1 RHS) Cabinet ID: 2
Player 3 (Cabinet 2 LHS) Cabinet ID: 3	Player 4 (Cabinet 2 RHS) Cabinet ID: 4
LHS = Left Hand Side RHS = Right Hand Side	
Group ID of all machines <u>should be the same</u> . Refer to User Manual Section 3.4.7 (Page 67) for more information.	

Network Settings Instruction 2 (displayed on RHS machine):

Network Settings are only editable via the LHS machine, using Other Machine ID/Other Group ID/Other Cabinet ID.

On LHS machine:

- 1) **Network Settings → Other Machine IP**
- 2) Change [**Other Machine IP**] to RHS [**Machine IP**]
- 3) Cycle [**Other Group ID**] to change RHS [**Group ID**]
- 4) Cycle [**Other Cabinet ID**] to change RHS [**Cabinet ID**]

LHS = Left Hand Side

RHS = Right Hand Side

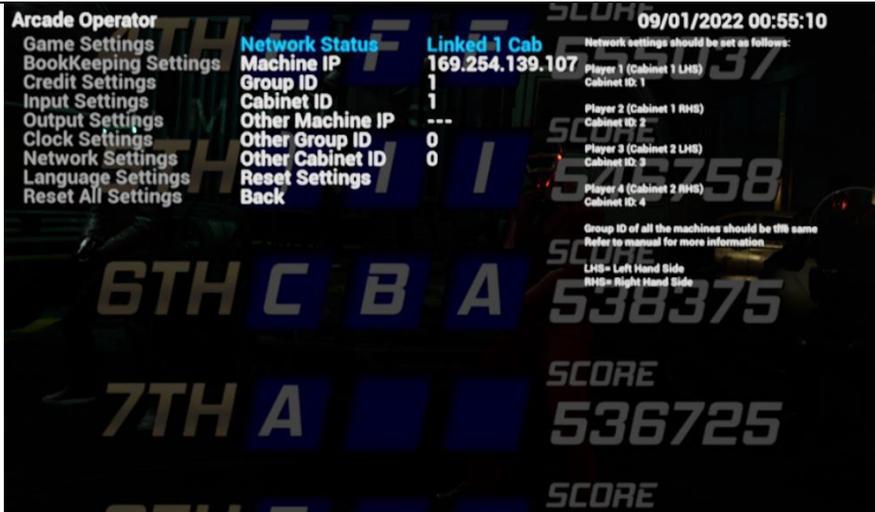
After setting or testing, settings will be saved automatically.
Please press [**TEST/EXIT**] to exit the operation menu interface.

Network Setup Procedures:

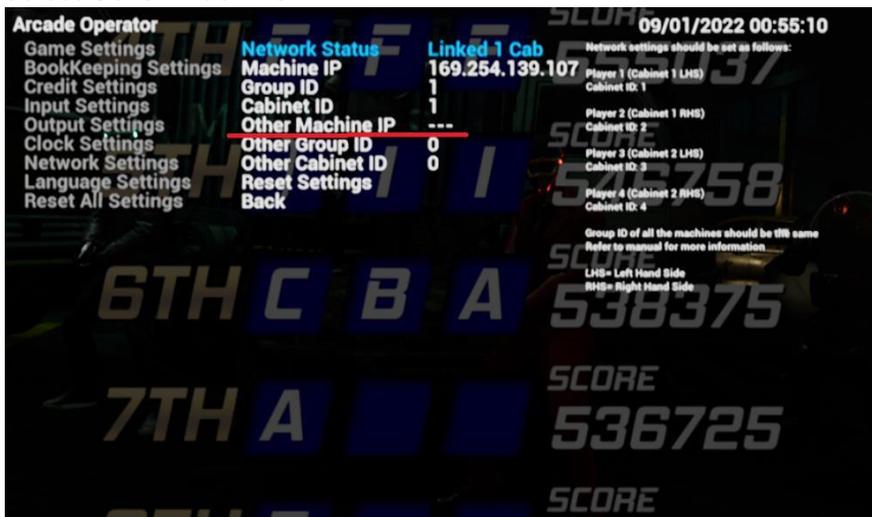
1. Please use the button at **1P** position to do the setup.



2. Enter **AO** --> **Network Setting**:
-1P network information: **Machine IP, Group ID & Cabinet ID**
-2P network information: **Other Machine IP, Other Group ID & Other Cabinet ID**



3. Select **Other Machine IP**:



Press **Option Cycle/Select** button, 2P network information will be displayed.



4. To set same setup for **Group ID** and **Other Group ID**, please set as **1**.



5. To set different setup for **Cabinet ID** and **Other Cabinet ID**:

When **Cabinet ID** is set as **1** or **3**, **Other Cabinet ID** must only be set as **2** or **4**.
 Particularly, when **Cabinet ID** is set as **1**, **Other Cabinet ID** must only be set as **2**
 (see below image):



When **Cabinet ID** is set as **3**, **Other Cabinet ID** must only be set as **4**.

Network Settings - Troubleshooting

Case 1: I/O Connection Error



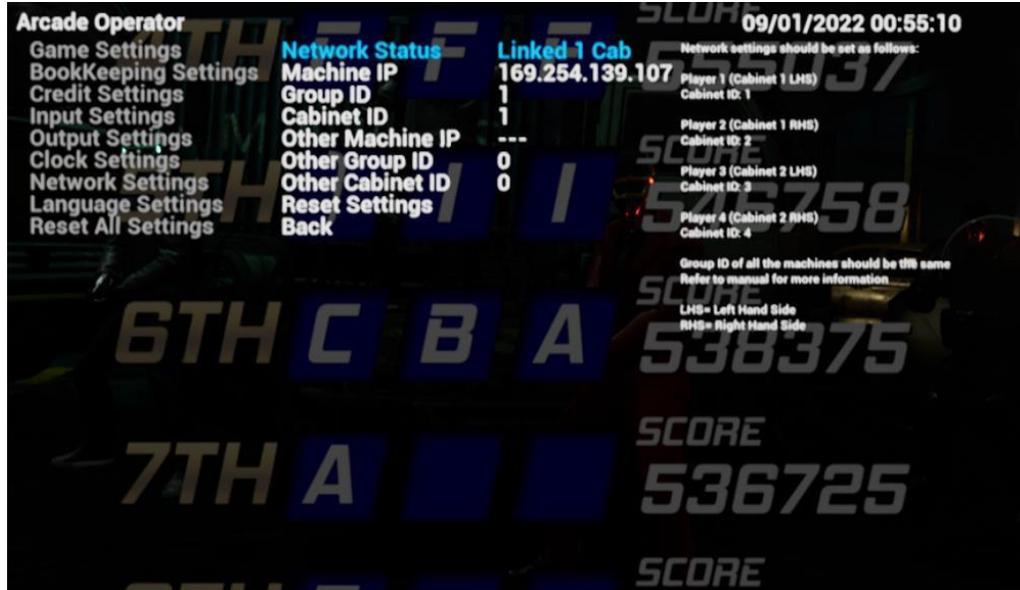
Situation	When I/O Connection Error does not report in 1P position, only reports in 2P position.
Cause	The host at 1P is connected to the IO board, and 2P obtains information such as IO buttons through the network. Therefore, if there is no I/O Connection Error reported at the 1P position and an error is reported only at the 2P position, it is likely to be caused by network reasons.
Solution	<p>Solution :</p> <ol style="list-style-type: none">1. Check whether the network cable connecting the 1P and 2P hosts is loosed. If the network cable is properly connected, the light on the network port will flash normally. 

2. If the network cable connection is normal, please check whether the network settings are normal at the 1P position:

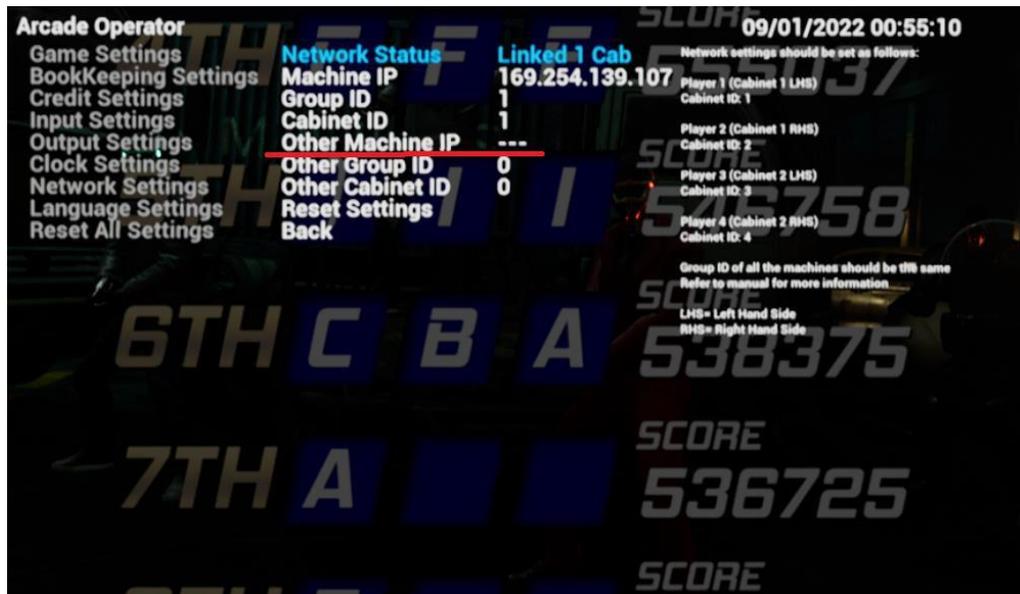
Enter **AO** --> **Network Settings**:

-1P network information: **Machine IP, Group ID & Cabinet ID**

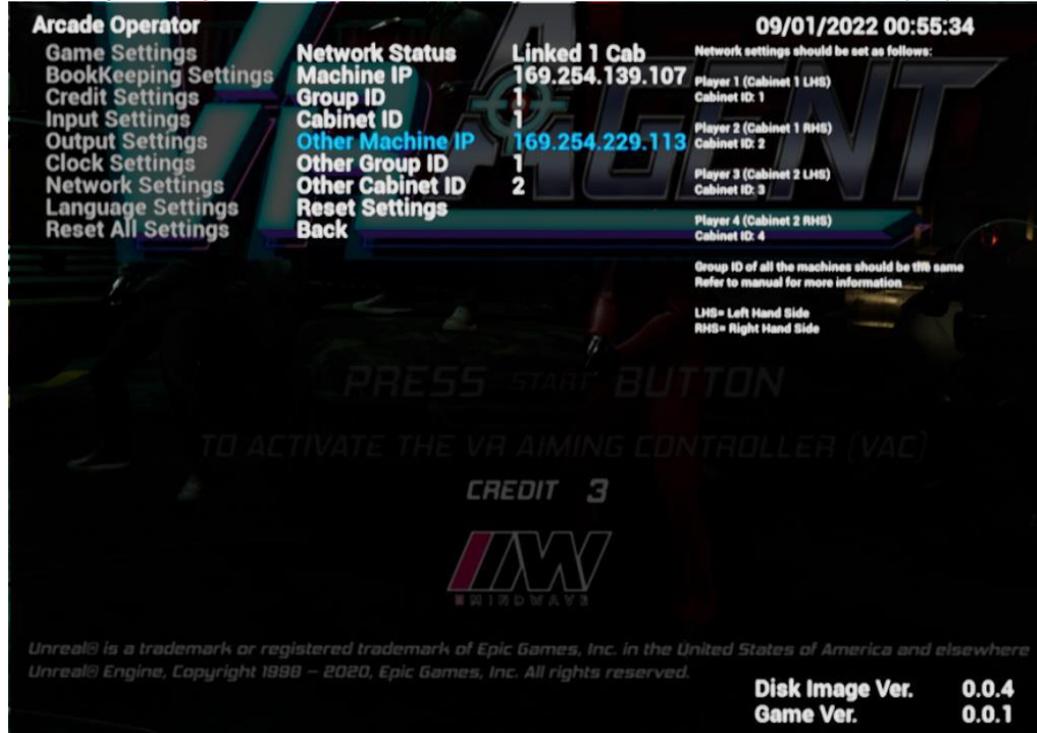
-2P network information: **Other Machine IP, Other Group ID & Other Cabinet ID**



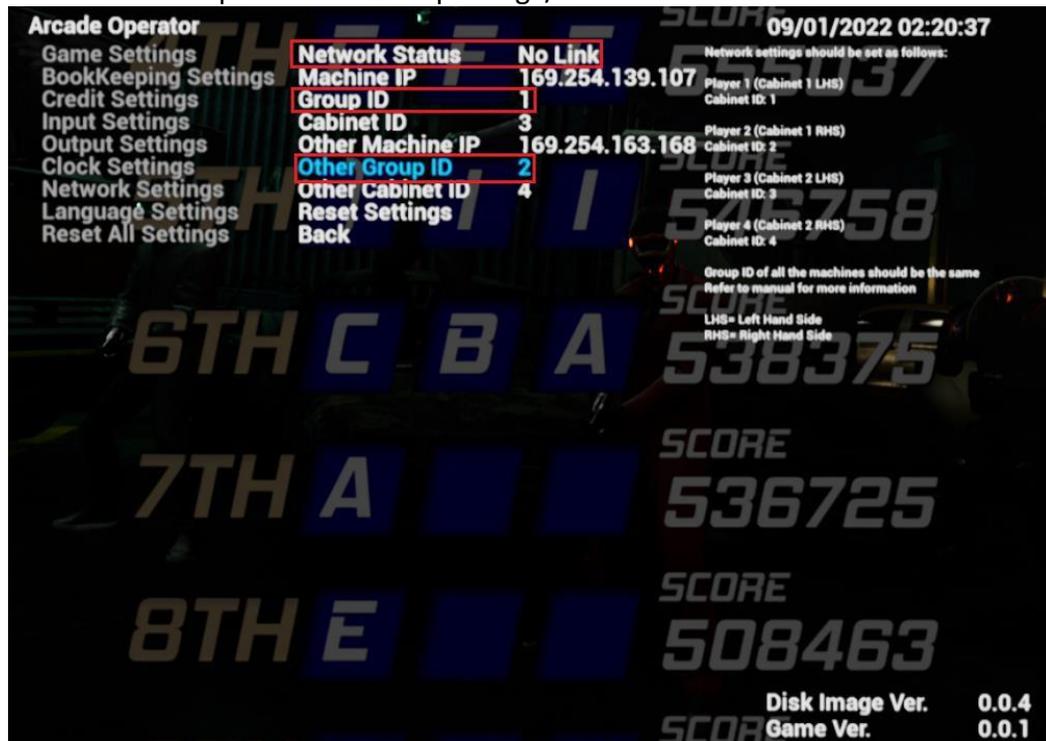
3. Select **Other Machine IP**.



Press **Option Cycle/Select** button, 2P network information will be displayed.



(1) Check whether **Group ID** and **Other Group ID** are set as same value, otherwise the Network Status column will be displayed as [No Link], there will be a problem of 2P reporting I/O Connection Error.

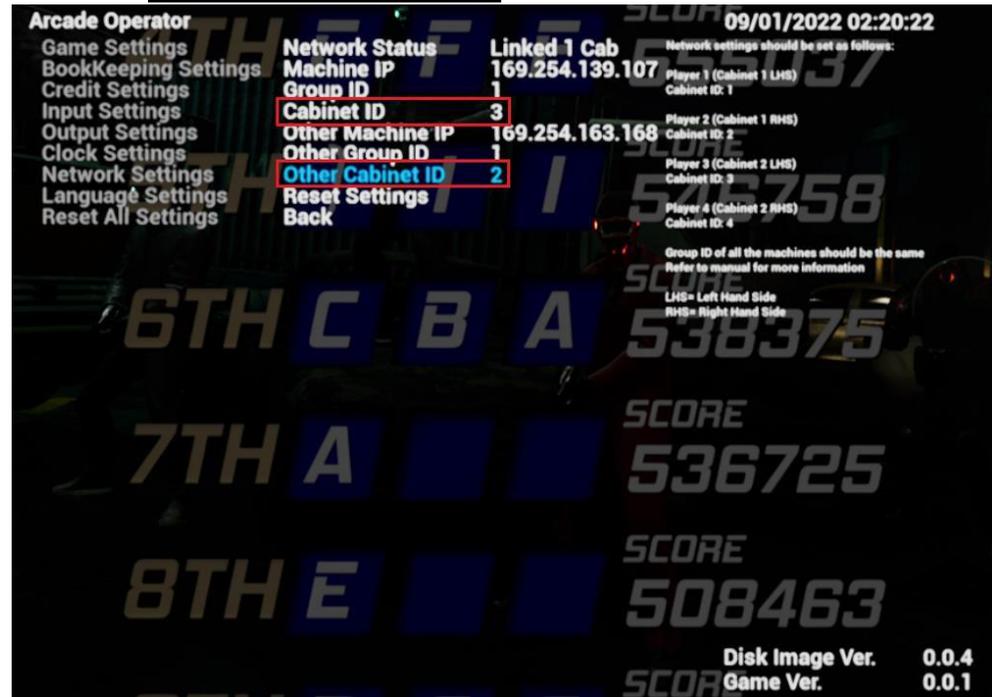


(2) If Group ID and Other Group ID are set as same value, the Network Status column will be displayed as [Linked 1 Cab], then check the values of Cabinet ID and Other Cabinet ID.

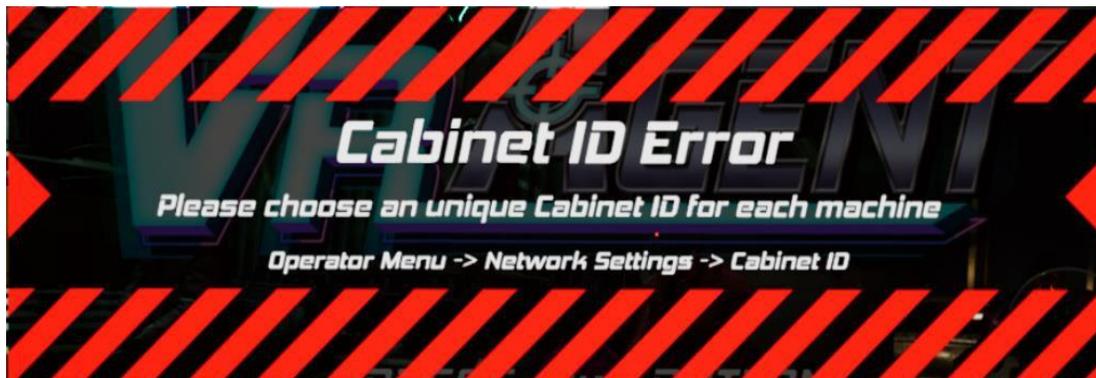
When **Cabinet ID** is set as **1** or **3**, **Other Cabinet ID** must only be set as **2** or **4**. Particularly, when **Cabinet ID** is set as **1**, **Other Cabinet ID** must only be set as **2**.

When **Cabinet ID** is set as **3**, **Other Cabinet ID** must only be set as **4**.

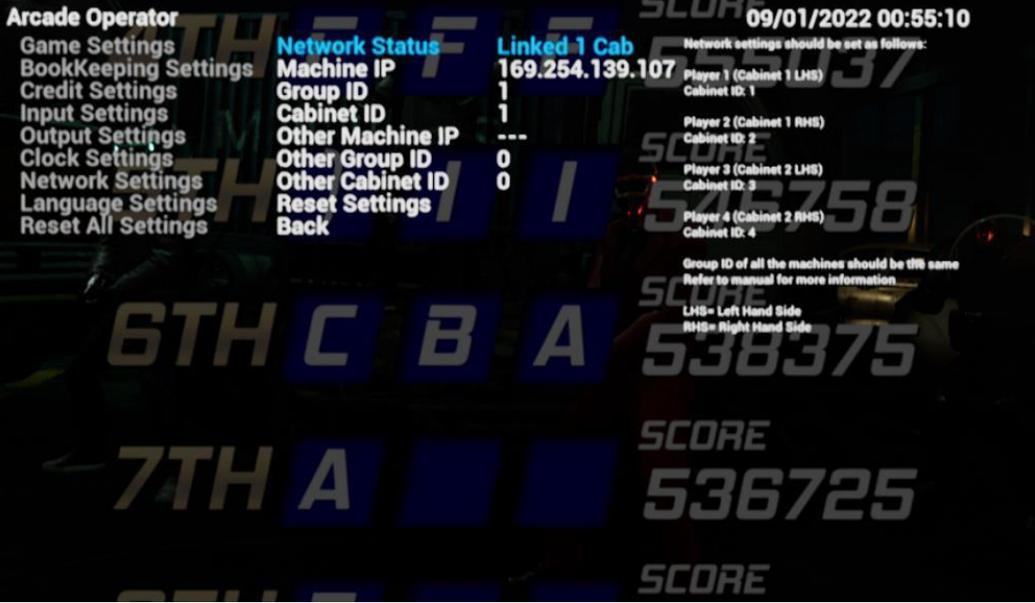
Below is a sample with wrong settings:



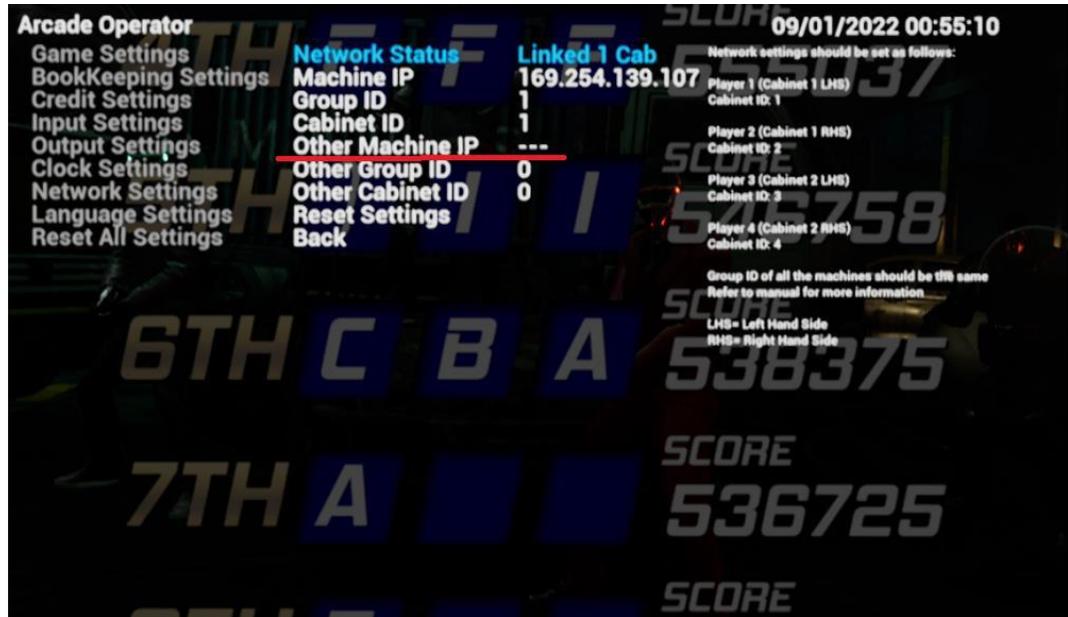
Case 2: Cabinet ID Error



Situation	Cabinet ID Error is reported in both 1P and 2P positions.
Cause	This error occurs when the Cabinet ID settings in 1P and 2P positions are set as same value.
Solution	<p>Solution:</p> <ol style="list-style-type: none"> Enter AO --> Network Settings: <ul style="list-style-type: none"> -1P network information: Machine IP, Group ID & Cabinet ID -2P network information: Other Machine IP, Other Group ID & Other Cabinet ID



2. Select **Other Machine IP**,

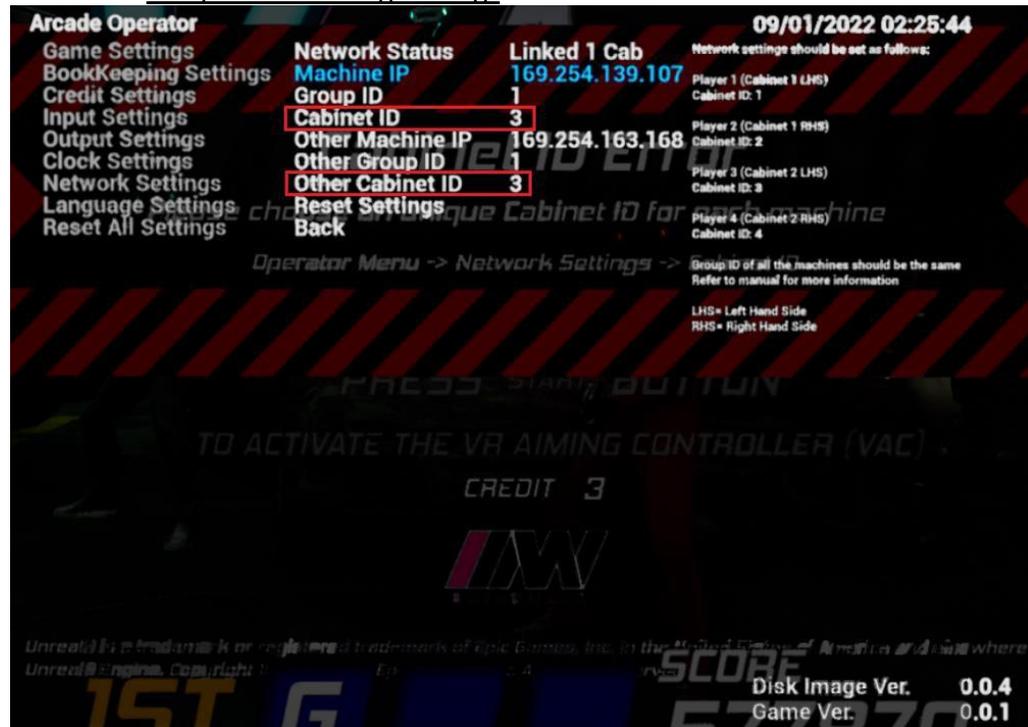


3. Press **Option Cycle/Select** button, 2P network information will be displayed.



If **Cabinet ID** and **Other Cabinet ID** are set as same value, **Cabinet ID Error** will be occurred.

Below is a sample with wrong settings:



3.4.8 Language Settings



1. Enter **[Language Settings]**, you can set the following items:

Setting Items	Setting Content
Language	/
	English
	French
	Spanish
	Turkish
Reset Settings	Reset
Back	Back

2. After setting or testing, settings will be saved automatically.
Please press **[TEST/EXIT]** to exit the operation menu interface.

3.4.9 Reset All Settings



On the "**Reset All Settings**" page, you can reset all settings to the factory settings.

1. Select [**Reset All Settings**] and press the [**OPTION Cycle/SELECT**] button to restore all the settings in the arcade to the default values. At the same time, all the records in the arcade will be cleared.

4. Warnings & Errors with Troubleshooting

4.1 Warnings with Troubleshooting

- **ATTENTION: Do not hold the VR Aiming Controller.**



Cause	This warning occurs when sensor is reported player is avoiding the VR Aiming controller to slide down.
--------------	--

- **ATTENTION: Do not pull the VR Aiming Controller.**





Cause	This warning occurs when sensor is reported player is pulling the VR Aiming controller.
--------------	---

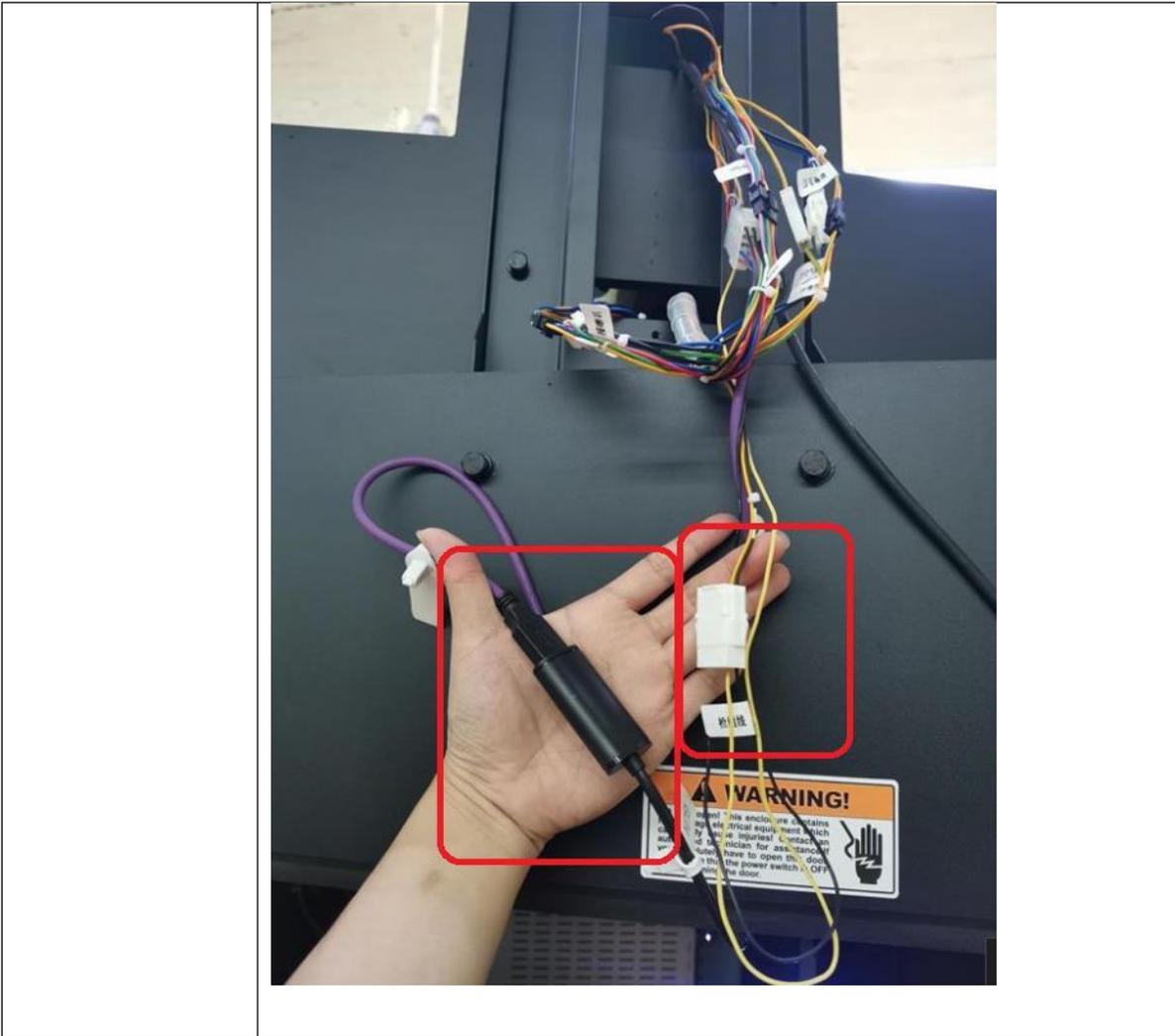
4.2 Errors with Troubleshooting

- Gun Connection Error



Troubleshooting

Solution	Please check if the cables of the VR Aiming Controller (power cable and USB cable) are well connected.
-----------------	--

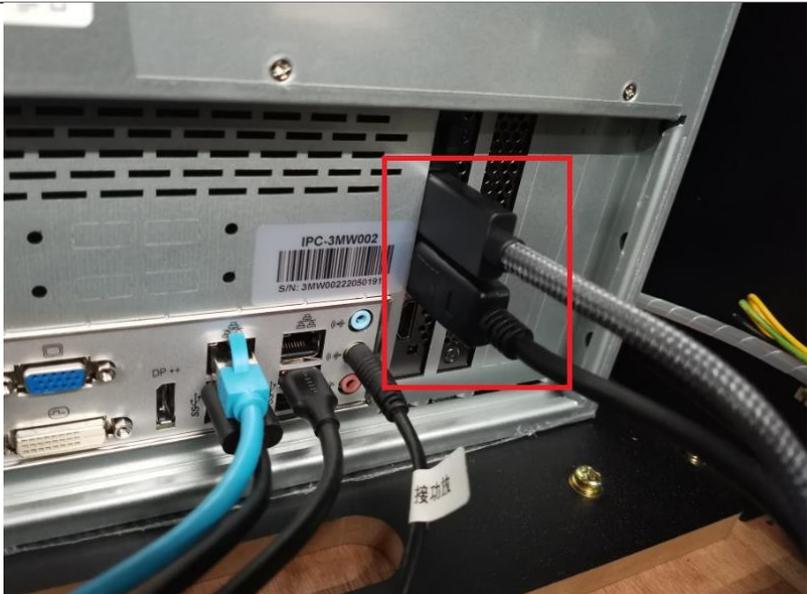


- **VR HMD Connection Error**

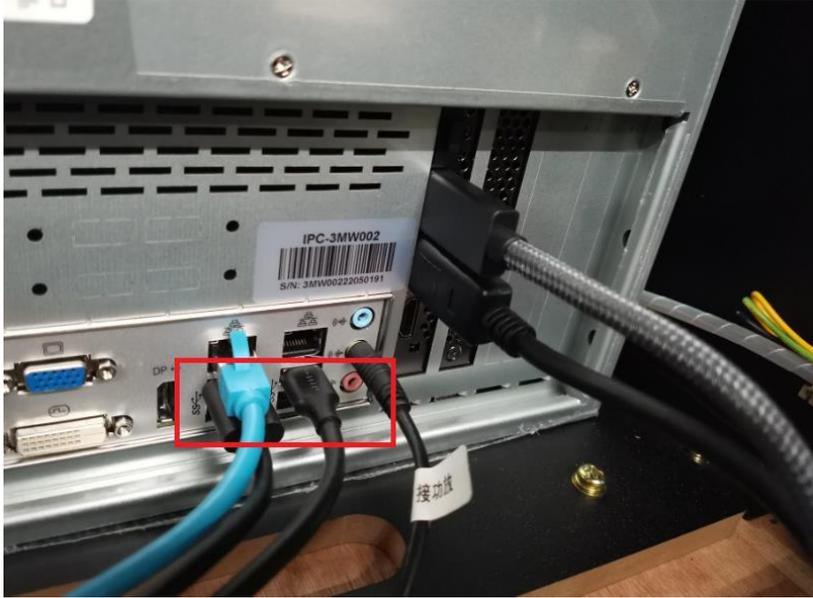


Troubleshooting

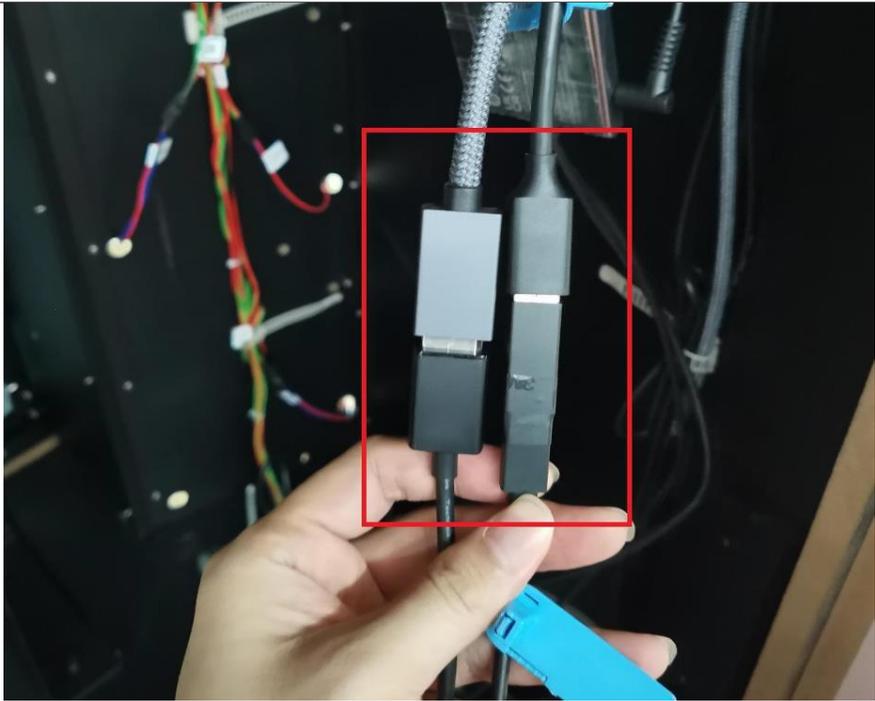
Solution	Please check if all the cables of the VR HMD are well connected. PC display card DP cables:
-----------------	--



PC USB 3.0 cables:

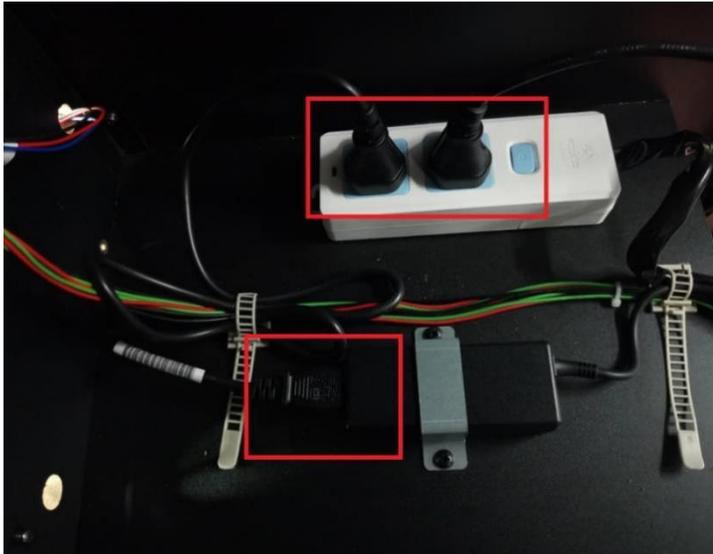


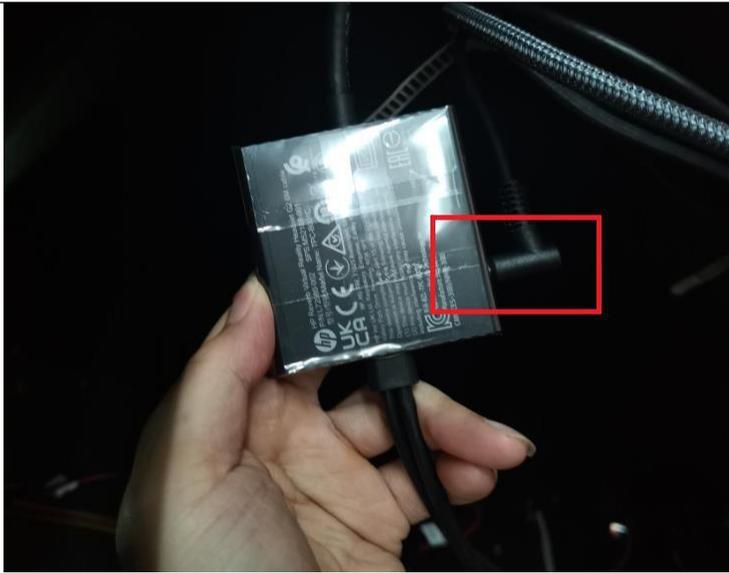
DP & USB 3.0 cables:



Please note that not to mix the GUN USB cable(USB 2.0) and HDM USB cable(USB 3.0) up.

Power Cables:





VR Headset cable (It' s easy to loosen here):



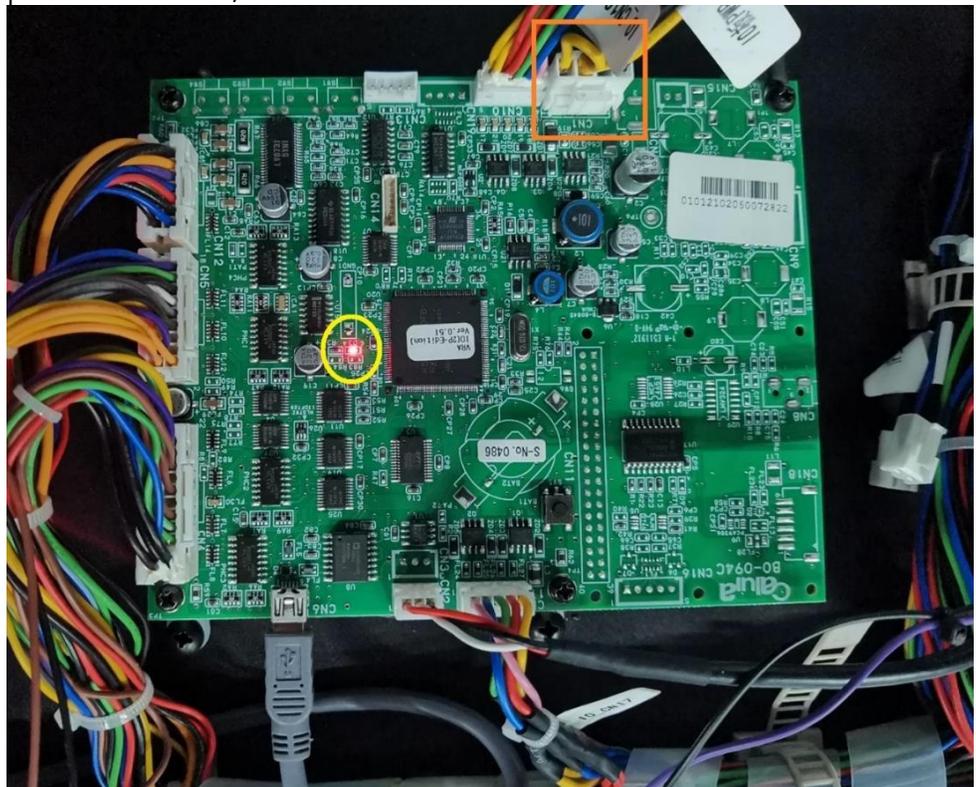
- I/O Connection Error



Troubleshooting

Solution

- 1) If only 2P position reports with **I/O Connection Error** but 1P does not, please go to **Network Settings** to find the solution.
- 2) If both 1P and 2P positions report **I/O Connection Error**, it means there is a problem with the I/O board.



Firstly, please check whether the LED in the yellow circle in the above picture is blinking.

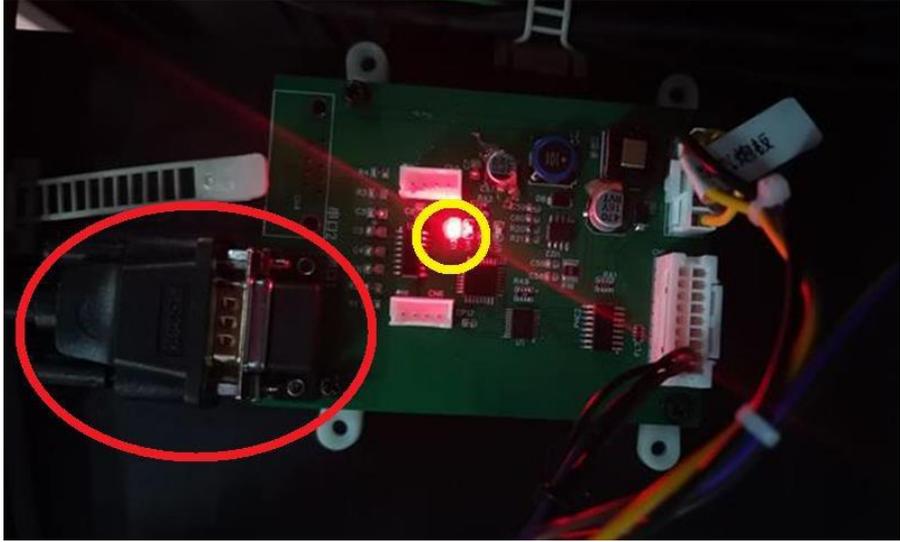
If it doesn't flash, please make sure that the 12V power supply at the orange square is normal and is not loose.

If the power supply is normal and the LED does not flash, it means there is a problem with the IO board and it is needed to be repaired.

- I/O Connection Error 2



Troubleshooting

<p>Solution</p>	<p>Firstly, please check whether the LED light in the yellow circle in the picture below is always on.</p>  <p>If it is not always on, it means that there is a problem with the power supply.</p> <p>If the LED is normally on, please check whether the serial cable is connected normally and is not loose.</p>
------------------------	---

- Cabinet ID Error



Troubleshooting

<p>Solution</p>	<p>Please refer to User Manual Section 3.4.7 (Page 74) for more information.</p>
------------------------	---

- VR Aiming Controller Cable Error. Please check the cables.



Troubleshooting

<p>Solution</p>	<p>First, please remove the three baffles on the beam:</p>  <p>After removing the baffles, as shown below, please check where the gun wire is tangled and untangle it.</p> 
------------------------	---

5. Maintenance and Service

Maintenance and Service

Even though the machine works normally for a long time, the fault will occur. Therefore, please perform routine check and maintenance concerning the following to ensure a long-term use.

■ External Inspection

- Stick “Warning” stickers correctly, keep it legible.
- Firmly tighten the bolt for each adjuster.
- Tighten screws for speaker assembly.
- Tighten the signboard firmly.
- Check if the screws fixing the parts loose.
- Check if the connectors loose or missing.

■ Operation Inspection (With power on)

- Sound is normally emitted from the speakers or not.
- Fluorescent lamps and LED and button lamps light up or not.
- Coin acceptor works properly or not.
- Lifting and falling devices work properly or not.
- YZ sensor works properly or not.

After completing all the checks, operate the game again and check the above items with full care!

■ Servicing (conducted by a technician only)

- Cut off the main power supply to avoid injury or electric shock when performing maintenance.
- Please contact our service center when performing any work that is not specified in this Manual, and follow the instruction provided by the service center.
- For consumables and spare parts (including screws), please use products specified by 3MindWave Limited.
- Even though the main power is cut off, there is still high temperature and high pressure in the power board and the monitor. The person will be burnt or get an electric shock if he touches such parts. Please pay full attention to avoid contact.
- Be sure to cut off the main power when you alter a spare part or unplug a connector.

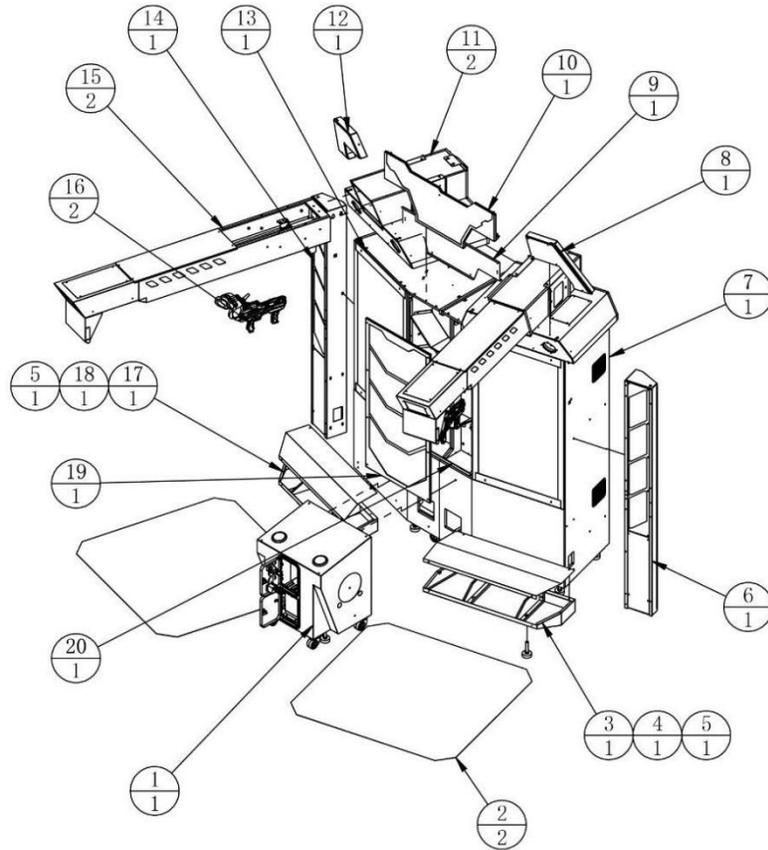
6. Assembly

6.1 Assembly Tree Diagram

ACG3-0000000 Cabinet assembly	ACG3-0100000 L monitor frame assembly	ACG3-0101000 L wooden frame assembly
		ACG3-0102000 Monitor glass assembly
		ACG3-0103000 Monitor assembly
		ACG3-0104000 PC assembly
		ACG3-0105000 PC door assembly
		ACG3-0106000 Monitor door assembly
		ACG3-0107000 Transformer assembly
		ACG3-0108000 AC power box assembly
		ATV-0214000 Fan assembly
	ACG3-0200000 Beam assembly	ACG3-0201000 Motor assembly
		ACG3-0202000 Slide assembly
		ACG3-0203000 Guide wheel assembly
		ACG3-0204000 Disinfection assembly
		ACG3-0205000 Synchronous pulley assembly
	ACG3-0300000 Light box assembly	ACG3-0301000 Light box wooden assembly
	ACG3-0400000 Console assembly	ACG3-0401000 Console frame assembly
		ACG3-0402000 Console panel assembly
		ACG3-0403000 Woofer assembly
		ACG3-0404000 Fan rear assembly
		ACG3-0405000 Service panel assembly
	ACG3-0500000 L side frame assembly	
	ACG3-0600000 Middle frame assembly	
	ACG3-0700000 R monitor frame assembly	ACG3-0701000 R wooden frame assembly
		ACG3-0102000 Monitor glass assembly
		ACG3-0103000 Monitor assembly
		ACG3-0104000 PC assembly
		ACG3-0105000 PC door assembly
		ACG3-0106000 Monitor door assembly
		ATV-0214000 Fan assembly
	ACG3-0800000 R side frame assembly	
	ACG3-0900000 LOGO assembly	
	ACG3-1000000 L upper frame assembly	
	ACG3-1100000 R upper frame assembly	
	ACG-0900000 Gun assy	

6.2 General Assembly Diagram

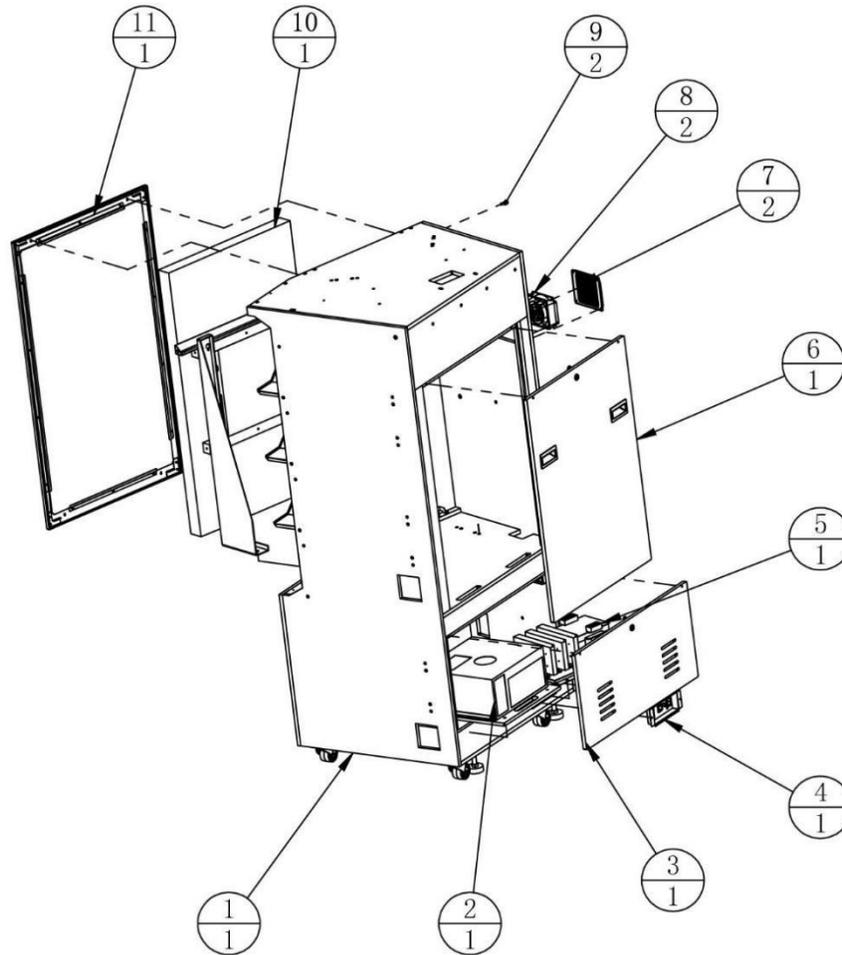
6.2.1 Cabinet Assembly



20	ACG3-0000A01	Middle support plate	SPCC-1.2T	1	
19	ACG3-0600000	Middle frame assembly		1	
18	ACG3-0000A05	Left pedal cover	SPCC-1.0T	1	
17	ACG3-0000A02	Left pedal	SPCC	1	
16	ACG-0900000	Gun assembly		2	
15	ACG3-0200000	Beam assembly		2	
14	ACG3-0500000	L side frame assembly		1	
13	ACG3-0100000	L monitor frame assembly		1	
12	ACG3-1000000	L upper frame assembly		1	
11	ACG3-0300000	Light box assembly		2	
10	ACG3-0900000	LOGO assembly		1	
9	ACG3-0000A04	LOGO light panel	SPCC-1.2T	1	
8	ACG3-1100000	R upper frame assembly		1	
7	ACG3-0700000	R monitor frame assembly		1	
6	ACG3-0800000	R side frame assembly		1	
5		Anchor	M16*100	2	
4	ACG3-0000A06	Right pedal cover	SPCC-1.0T	1	
3	ACG3-0000A03	Right pedal	SPCC	1	
2	ACG3-0000D01	Play matt	PVC-1.0T	2	
1	ACG3-0400000	Console assembly		1	
No.	Drawing No.	Name	Specification	Qty	Other

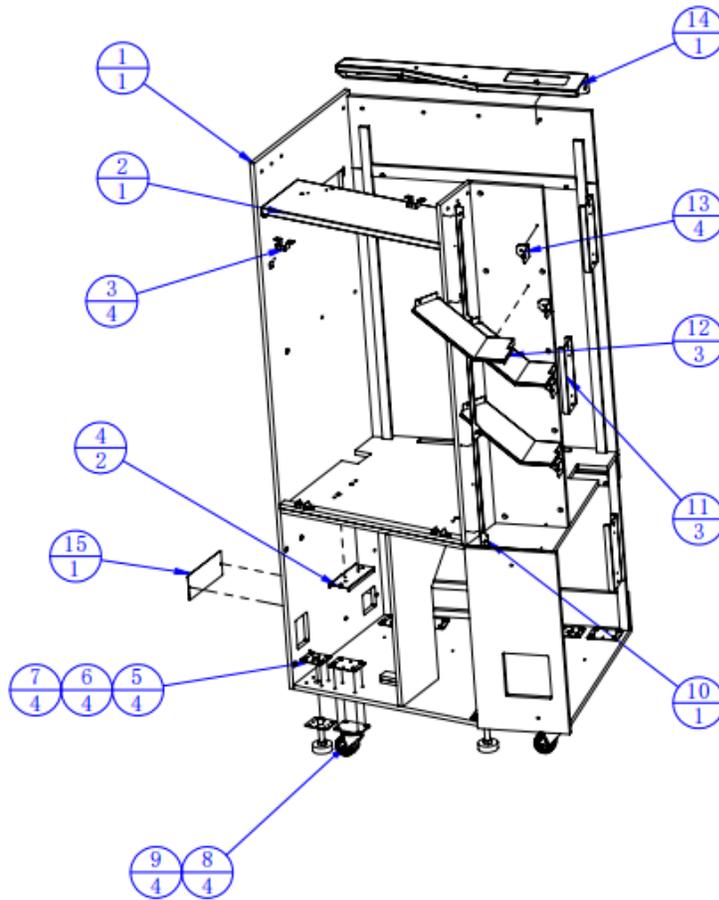
6.3 L Monitor Frame Assembly

6.3 L Monitor Frame Assembly



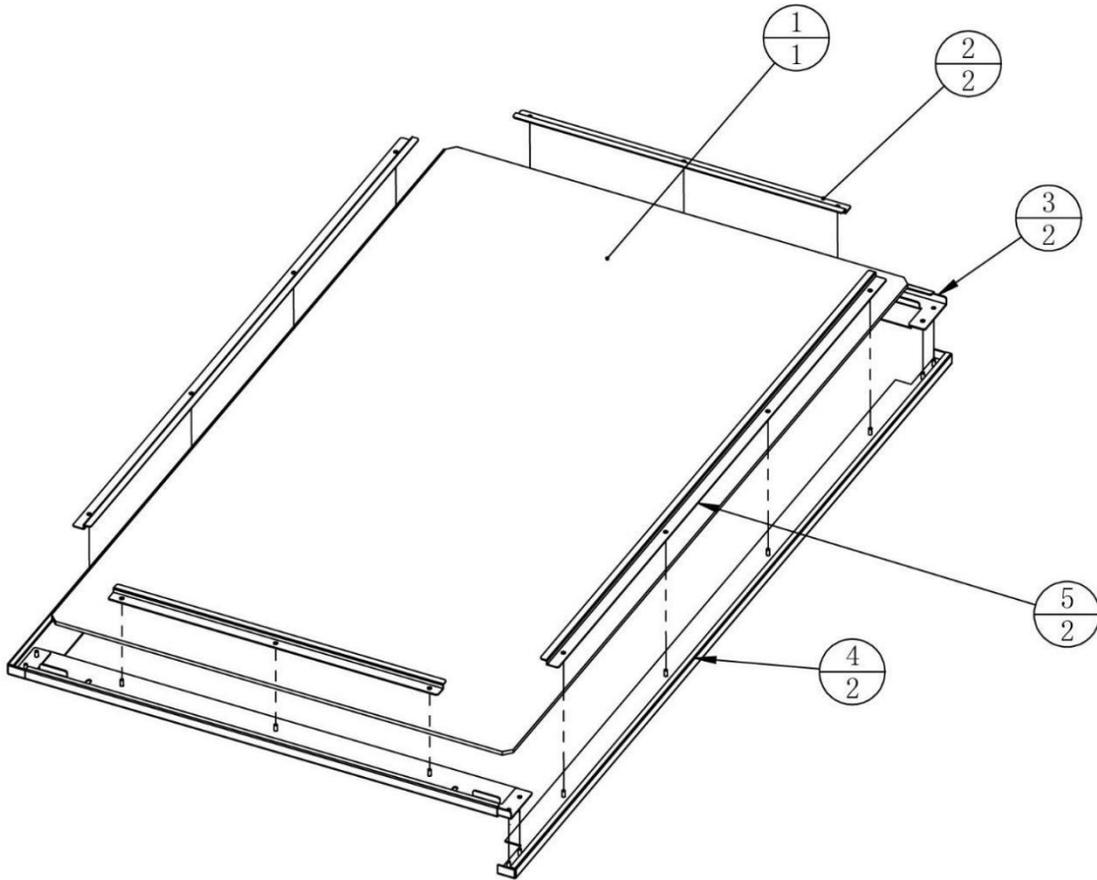
11	ACG3-0102000	Monitor glass assembly		1	
10	ACG3-0103000	Monitor assembly		1	
9	ACG3-0100A01	Side frame fixings	Q235	2	
8	ATV-0214000	Fan assembly		2	
7		Plastic net	253-5460	2	
6	ACG3-0106000	Monitor door assembly		1	
5	ACG3-0107000	Transformer assembly		1	
4	ACG3-0108000	AC power box assembly		1	
3	ACG3-0105000	PC door assembly		1	
2	ACG3-0104000	PC assembly		1	
1	ACG3-0101000	L wooden frame assembly		1	
No.	Drawing No.	Name	Specification	Qty	Other

6.3.1 L Wooden Frame Assembly



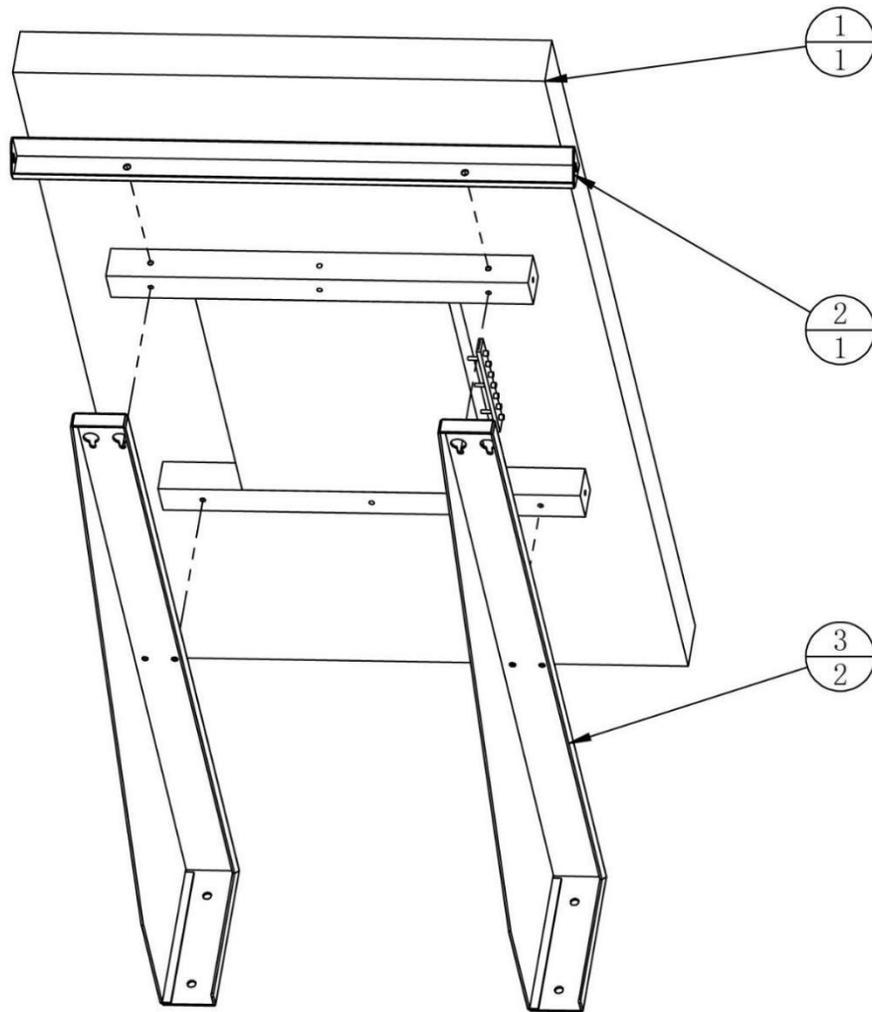
15	ACG3-0101A10	Side cover	SPCC-1.2T	1	
14	ACG3-0101A02	Left reinforcing plate	SECC-2.5T	1	
13	ACG3-0101A08	Frame connecting 2	SECC-1.5T	4	
12	ACG3-0101A03	Middle diaphragm 1	SECC-1.2T	3	
11	ACG3-0101A04	Frame connecting 1	SECC-2.0T	3	
10	ACG3-0101A05	Middle frame plate	SPCC-1.2T	1	
9	ATV-0201A06	Casters fixed iron	SPCC-2.0T	4	
8		Casters	2.5'	4	
7		Anchor	M16*100	4	
6	ATV-0201A07	Anchor plate	SPCC-2.0T	4	
5	ATV-0201A05	Anchor fixing iron	SPCC-2.0T	4	
4	ACG3-0101A01	Monitor reinforcing plate	SPCC-2.0T	2	
3	ACG3-0101A06	Glass frame plate	SPCC-1.2T	4	
2	ACG3-0101A07	Light box support		1	
1	ACG3-0101B01	L wooden frame	MDF	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.3.2 Monitor Glass Assembly



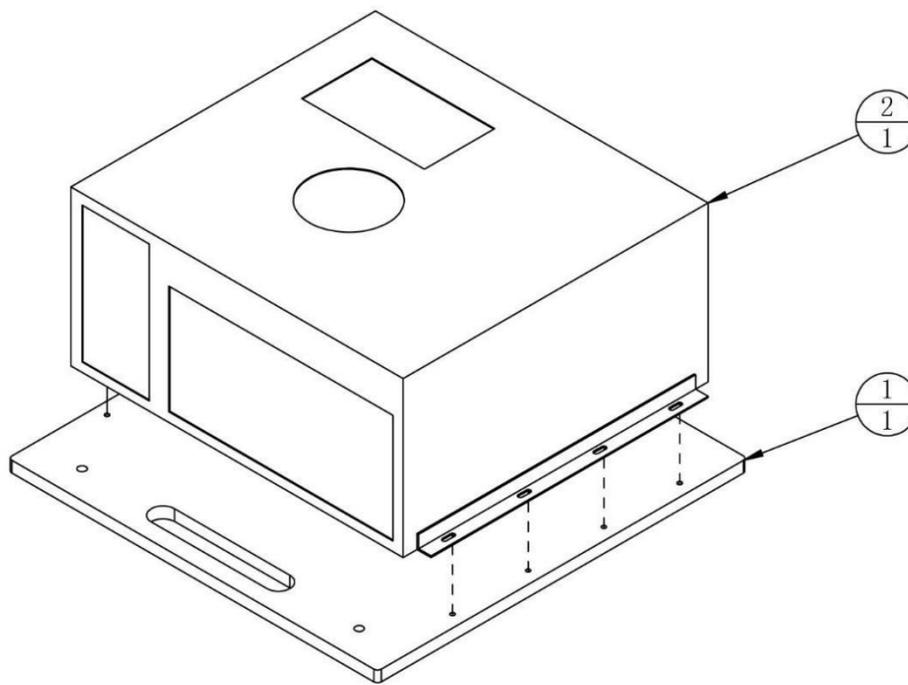
5	ACG3-0102A02	Glass batten 1	SPCC-1.2T	2	
4	ACG3-0102A04	Glass frame 2	SPCC-1.5T	2	
3	ACG3-0102A01	Glass frame 1		2	
2	ACG3-0102A03	Glass batten 2	SPCC-1.2T	2	
1	ACG3-0102C01	Monitor glass	Glass-5.0T	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.3.3 Monitor Assembly



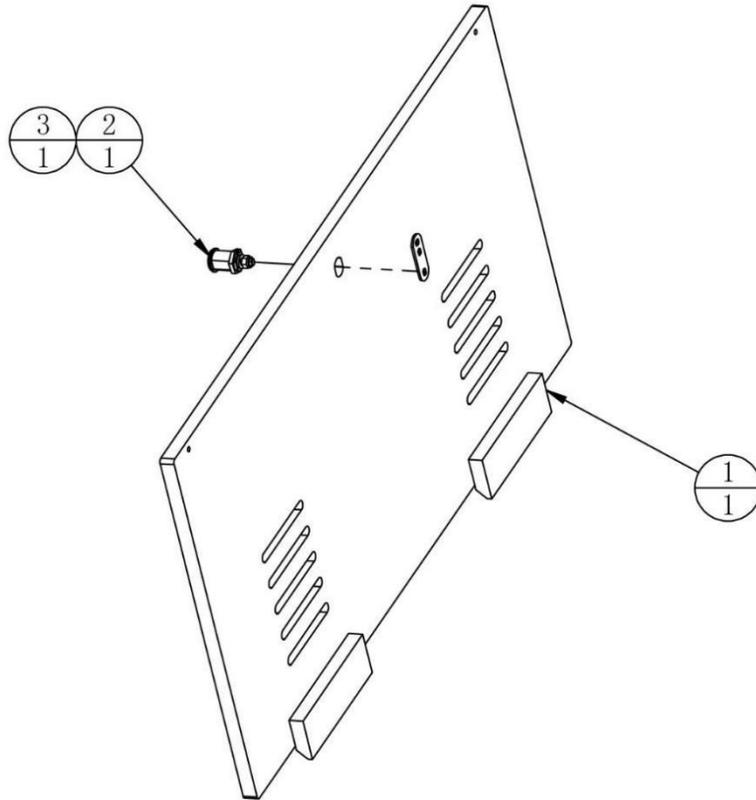
3	ACG3-0103A01	Monitor bracket	SECC-2.5T	2	
2	ACG3-0103A02	Monitor support plate	SPCC-1.5T	1	
1		Monitor	49'	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.3.4 PC Assembly



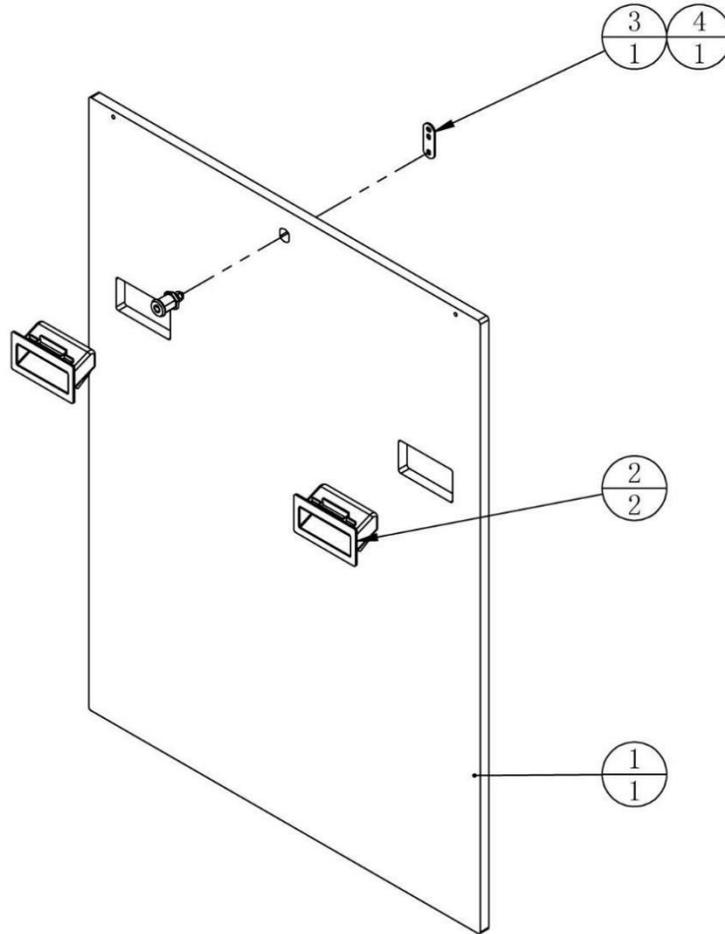
2		PC	IPC-3WM002	1	
1	ACG3-0104B01	PC plate	MDF-15.0T	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.3.5 PC Door Assembly



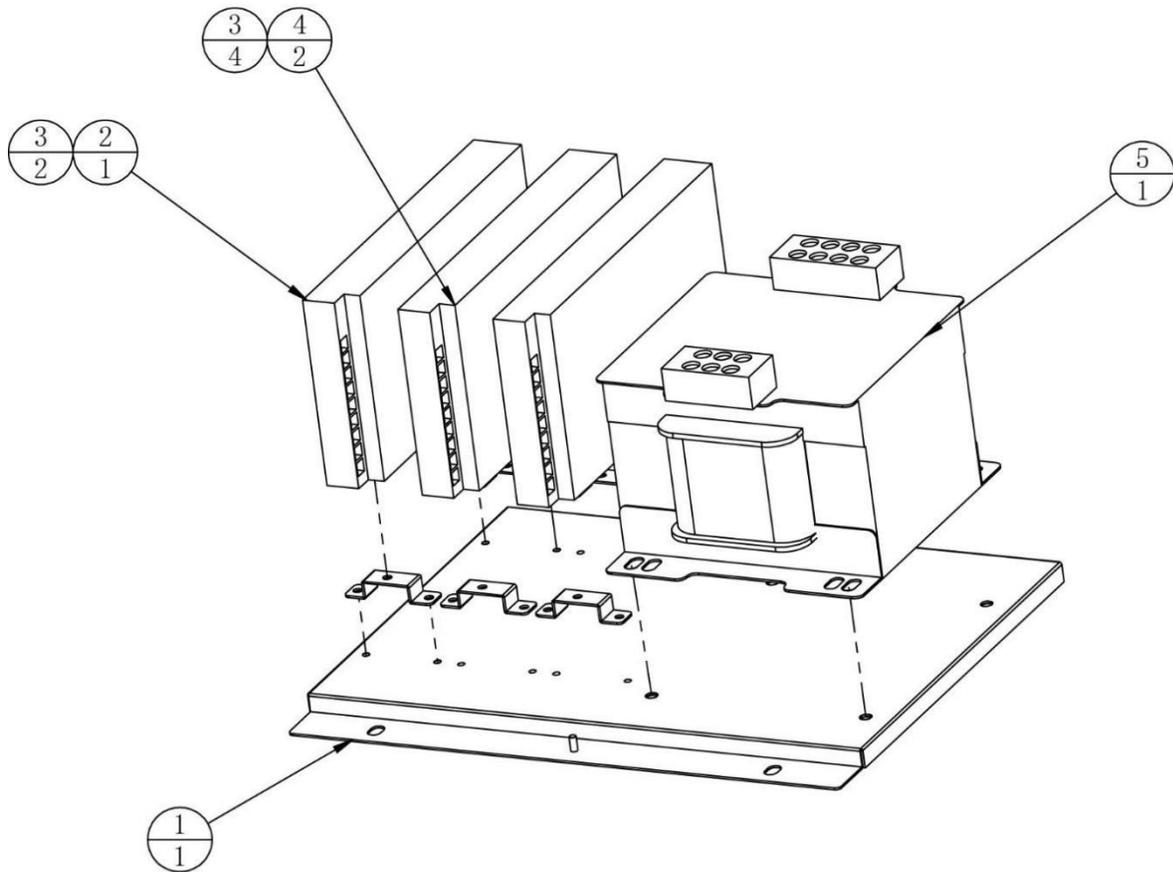
3		Lock plate	5cm	1	
2		Lock	5555-K	1	
1	ACG3-0105B01	PC door	MDF-15.0T	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.3.6 Monitor Door Assembly



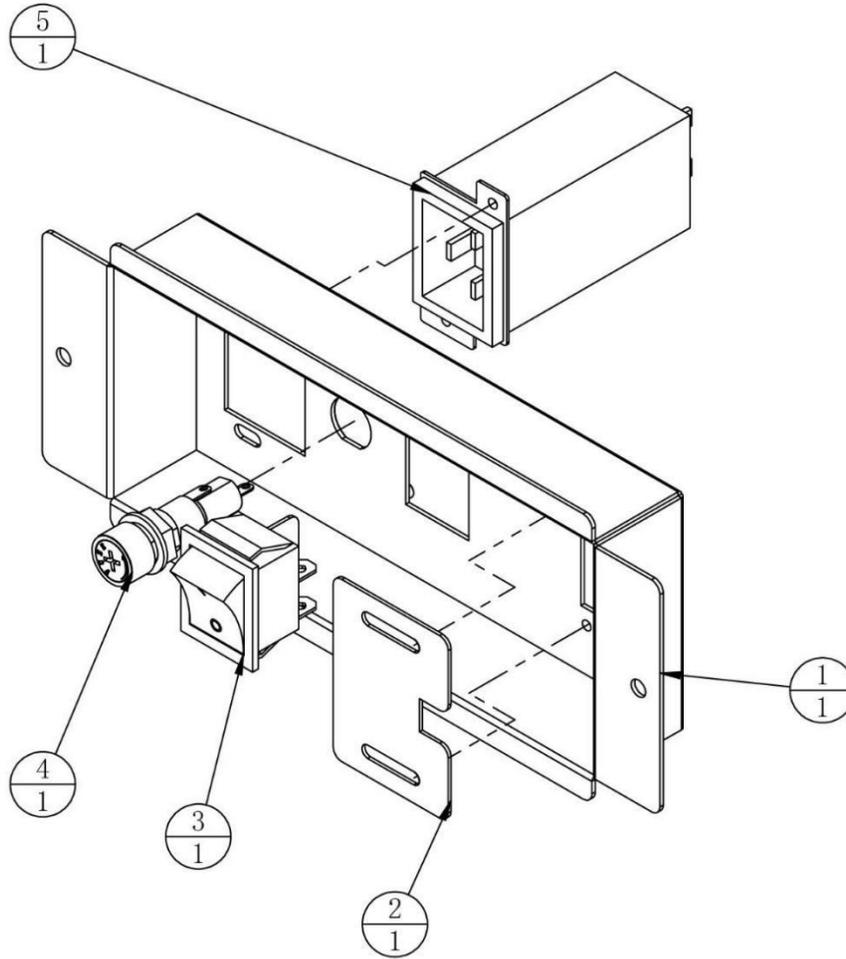
4		Lock	5555-K	1	
3		Lock plate	5cm	1	
2		Clasp		2	
1	ACG3-0106B01	Monitor door	MDF-15.0T	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.3.7 Transformer Assembly



5		Transformer	HL162-18-110	1	
4		Power supply	LRS-150-24	2	
3	ATV-0203A01	Power supply plate	SECC-1.2T	6	
2		Power supply	LRS-350-12	1	
1	ACG3-0107A01	Transformer plate	SECC-1.2T	1	
No.	Drawing No.	Name	Specification	Qty	Other

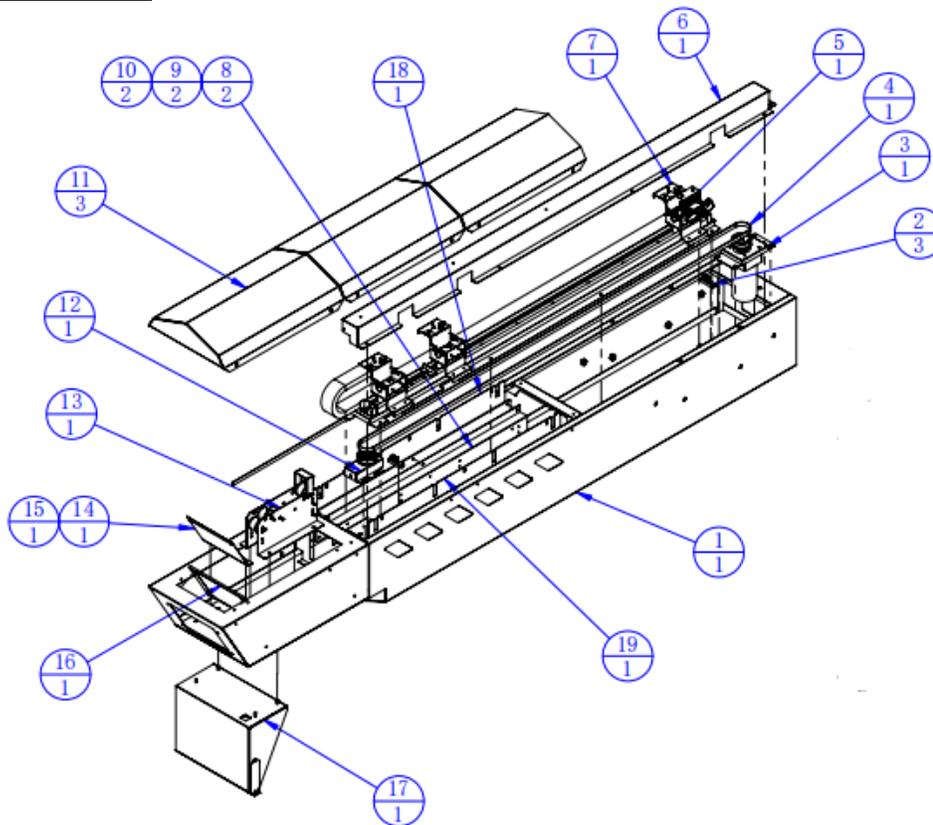
6.3.8 AC Power Box Assembly



5		Filter	YUNPEN YMA20A	1	
4		Fuse cartridge	MF527A	1	
3		Power button	4P KCD7-2211N	1	
2	ATV-0208A02	Cable cover	SPCC-1.0T	1	
1	ACG3-0108A01	AC power box	SPCC-1.2T	1	
No.	Drawing No.	Name	Specification	Qty	Other

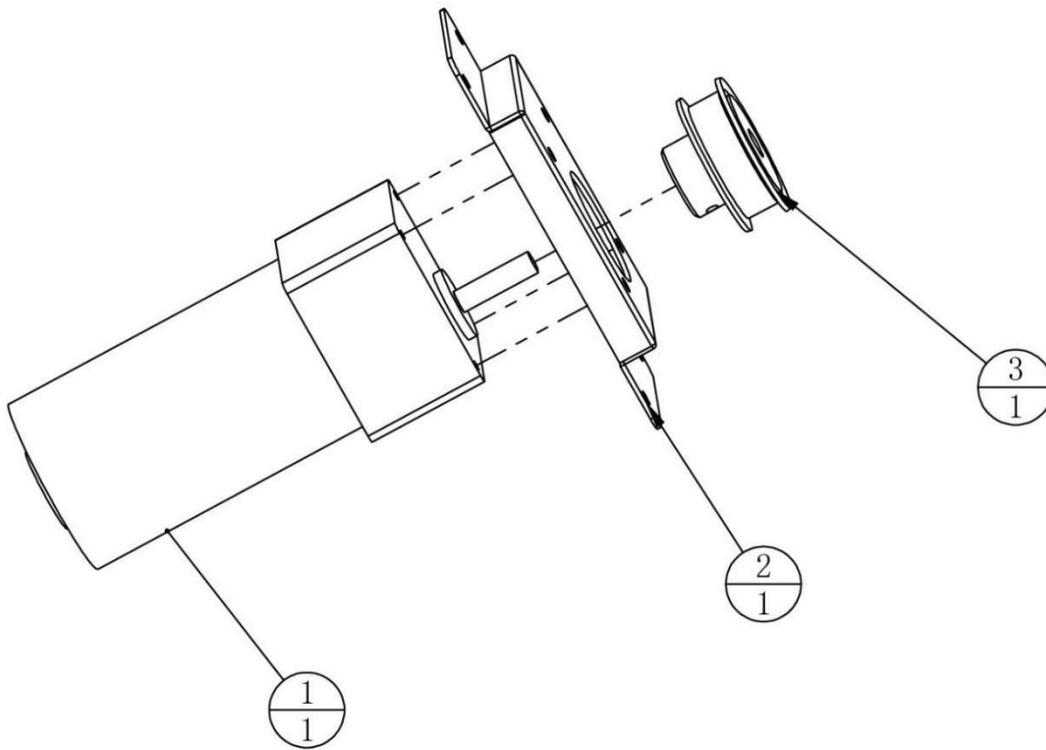
6.4 Beam Assembly

6.4 Beam Assembly



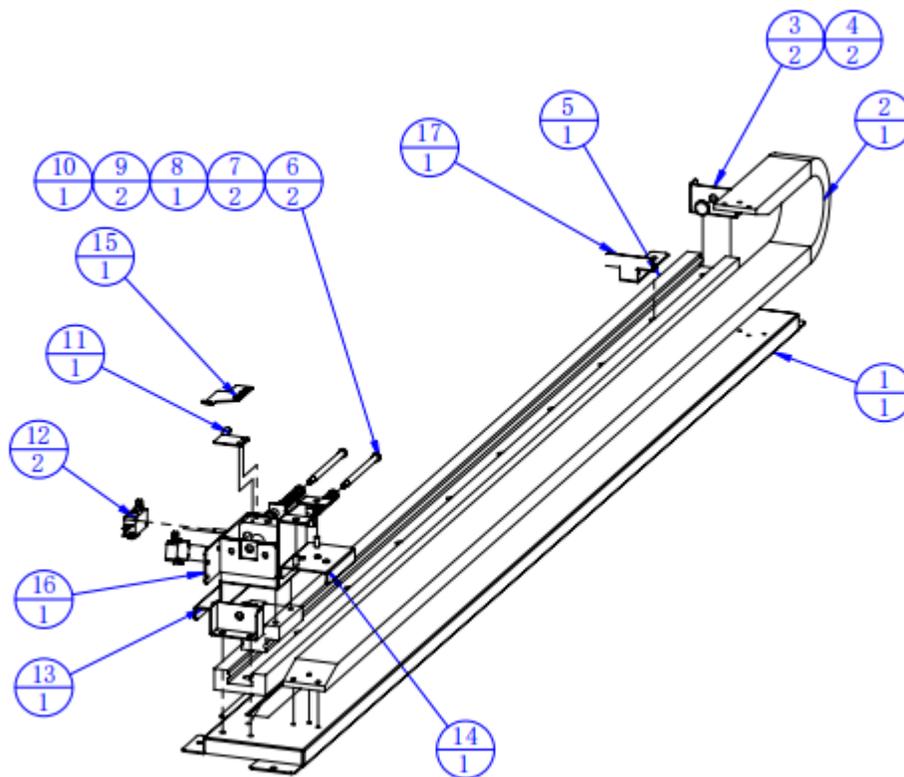
19	ACG3-0200D04	Beam R cover		1	
18	ACG3-0200D05	Beam L cover		1	
17	ACG3-0204000	Disinfection assembly		1	
16	ACG3-0200D01	Beam end plate	PMMA-5.0T	1	
15		5050 LED	DC 12V RGB 150	1	
14	ACG3-0200A04	Beam end lamp plate	SPCC-1.2T	1	
13	ACG3-0203000	Guide wheel assembly		1	
12	ACG3-0205000	Synchronous pulley assembly		1	
11	ACG3-0200A08	Beam upper cover	SPCC-1.2T	3	
10		5050 LED	DC 12V RGB 650	2	
9	ACG3-0200D02	Beam shading plate	PMMA-3.0T	2	
8	ACG3-0200A07	Beam light panel	SECC-1.2T	2	
7	ACG3-0202000	Slider assembly		1	
6	ACG3-0200A06	Belt cover	SECC-1.0T	1	
5	ACG3-0200A01	Belt retainer	SPCC-1.5T	1	
4		Synchronous belt	S5M-2670-10	1	
3	ACG3-0201000	Motor assembly		1	
2		Sensor	KI1303-AALF	2	
1	ACG3-0200A05	Support frame		1	
No.	Drawing No.	Name	Specification	Qty	Other

6.4.1 Motor Assembly



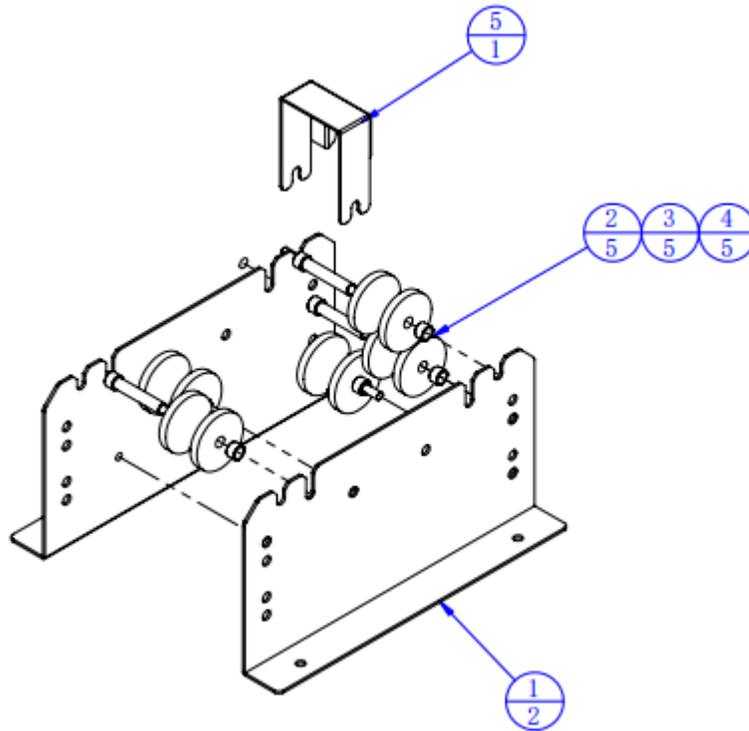
3	ACG3-0201A02	Synchronous pulley 1	5083	1	
2	ACG3-0201A01	Motor plate	SPCC-1.5T	1	
1		Motor	Z2D25-24GN-30s/2GN30K	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.4.2 Slide Assembly



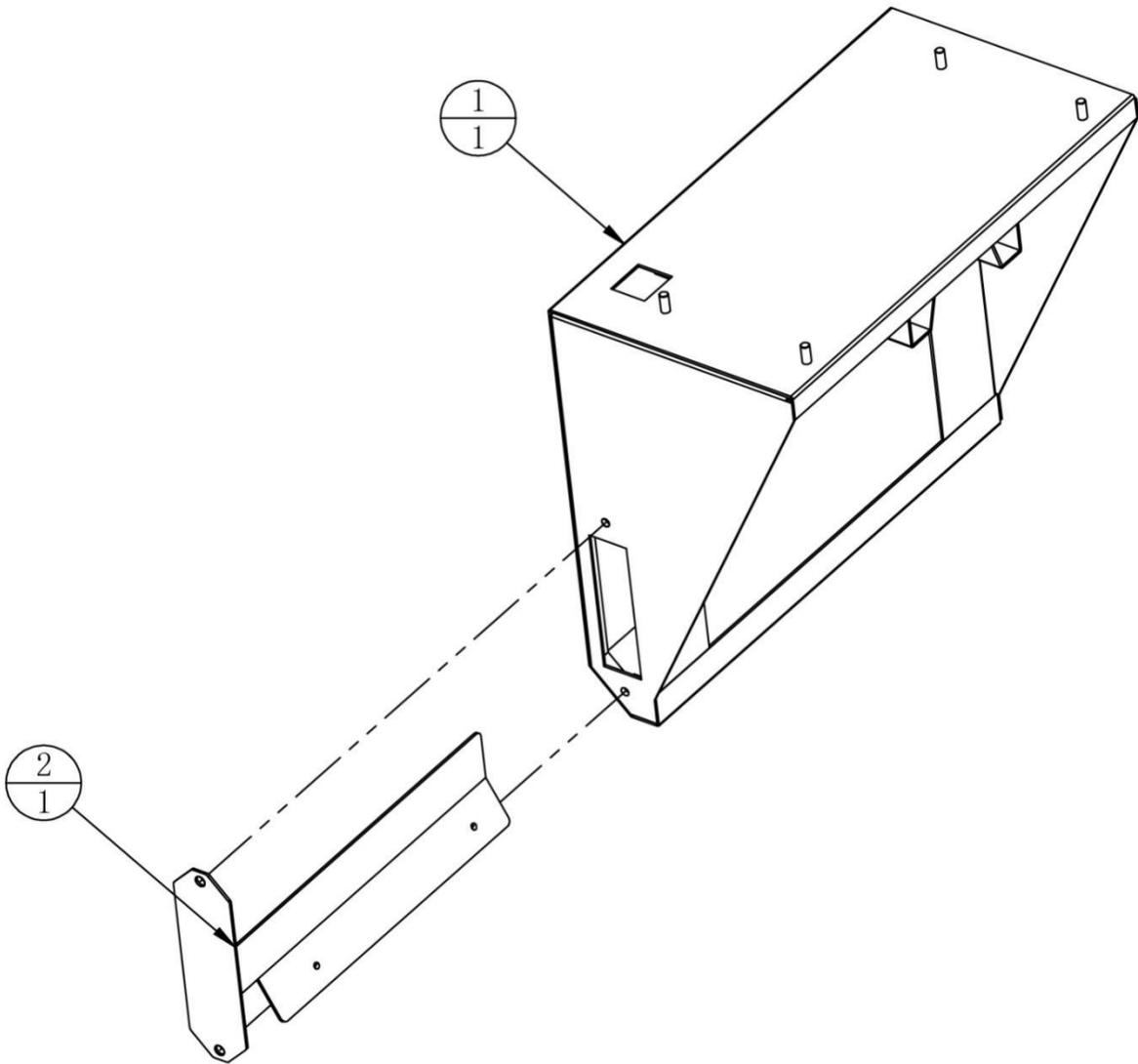
17	ACG3-0202A12	Detent plate	SECC-1.5T	1	
16	ACG3-0202A11	Switch frame	SECC-1.2T	1	
15	ACG3-0202A10	Switch plank	SECC-1.0T	1	
14	ACG3-0202A06	Chain slot plate	SPCC-1.2T	1	
13	ACG3-0202A01	Guide plate		1	
12		Switch	RV-165-1C25(3P)	1	
11	ACG3-0202A05	Switch plate	SPCC-1.0T	1	
10	ACG3-0202A09	Bearing limit plate	SPCC-1.0T	1	
9		Bearing	LM5UU	2	
8	ACG3-0202A03	Guide block	AL	1	
7	ACG3-0202A04	Guide spring	65Mn	2	
6	ACG3-0202A02	Guide rod	Q235	2	
5		Guide	SGR15+SGB15-3 1120	1	
4		Rubber pad	φ8.5*φ6.8*φ14.5*H6mm	2	
3	ACG3-0202A07	Limit plate	SPCC-1.2T	2	
2		Drag chain	10*30/18/1400	1	
1	ACG3-0202A08	Guide rail plate	SPCC-1.2T	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.4.3 Guide Wheel Assembly



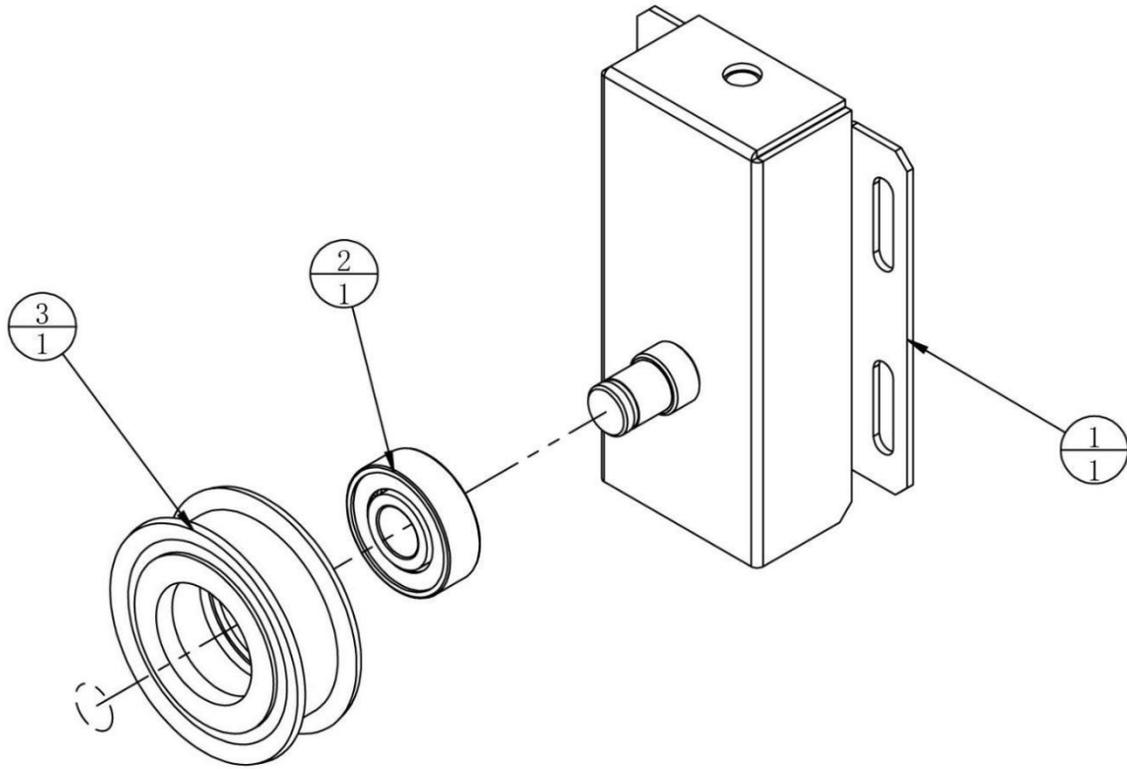
5	ACG3-0203A04	Rope limit plate	SPCC-1.2T	1	
4	ACG3-0203A03	Spacer	Q235	5	
3	ACG3-0203A02	Guide wheel shaft	Q235	5	
2		Pulley	U 1.2'	5	
1	ACG3-0203A01	Guide wheel plate	SPCC-1.5T	2	
No.	Drawing No.	Name	Specification	Qty	Other

6.4.4 Disinfection Assembly



2	ACG3-0204A02	Disinfection lamp plate		1	
1	ACG3-0204A01	Disinfection lamp holder		1	
No.	Drawing No.	Name	Specification	Qty	Other

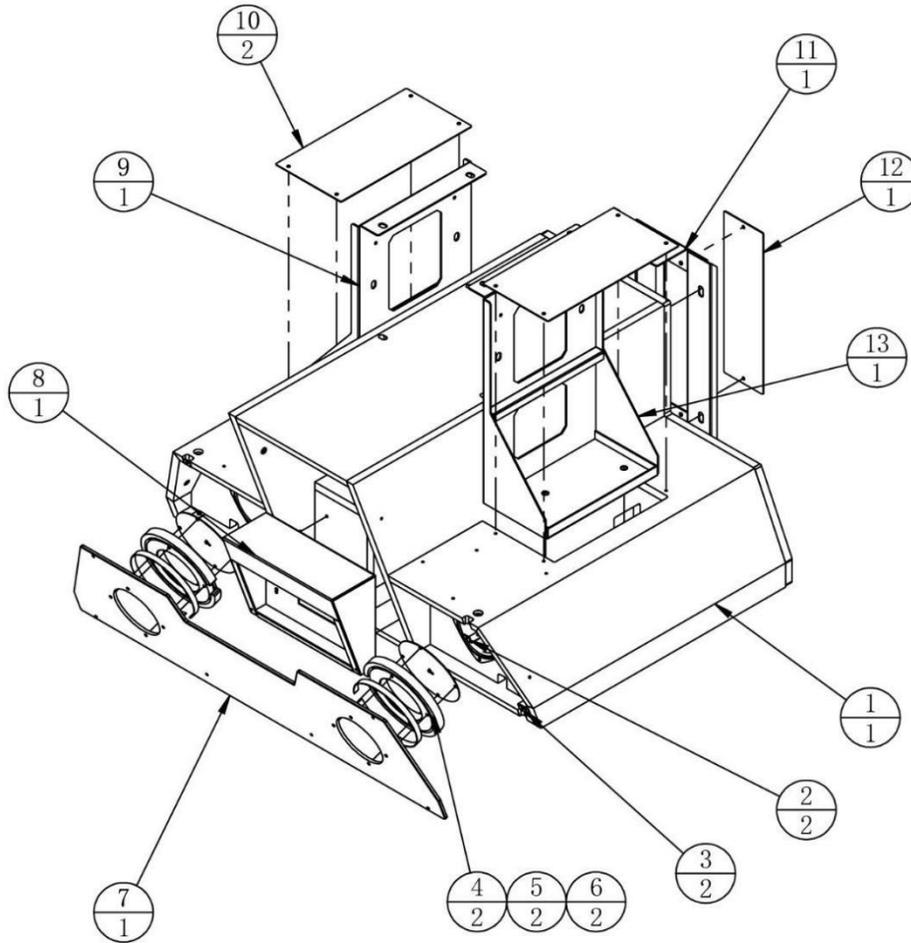
6.4.5 Synchronous Pulley Assembly



3	ACG3-0205A02	Synchronous pulley 2	5083	1	
2		Bearing	6000-2Z	1	
1	ACG3-0205A01	Belt pulley plate		1	
No.	Drawing No.	Name	Specification	Qty	Other

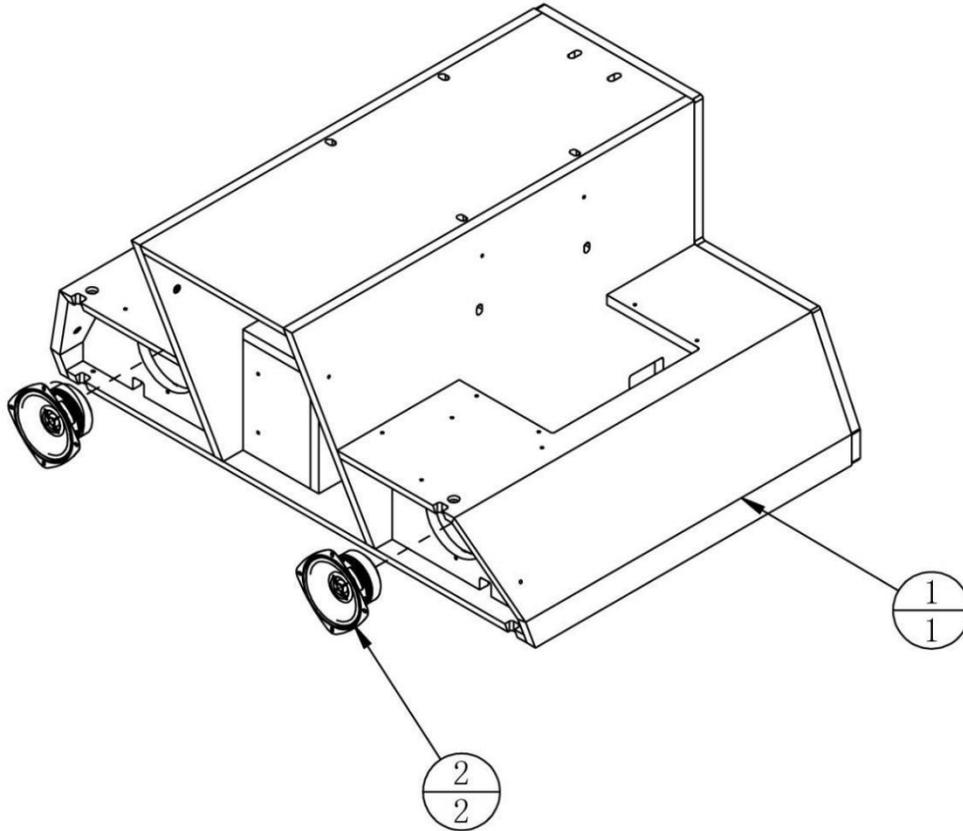
6.5 Light-box Assembly

6.5 Light-box Assembly



13	ACG3-0300A09	Beam side plate 2	SPCC-2.0T	1	
12	ACG3-0300A08	Light box rear cover	SPCC-1.2T	1	
11	ACG3-0300A03	Beam fixing plate	SPCC-2.0T	1	
10	ACG3-0300A05	Light box upper cover	SPCC-1.2T	2	
9	ACG3-0300A04	Beam side plate 1	SPCC-2.0T	1	
8	ACG3-0300A06	Beam support plate	SPCC-2.0T	1	
7	ACG3-0300D01	Speaker cover	PMMA-5.0T	1	
6	ACG3-0300A07	Speaker net		2	
5		5050 LED	DC12V RGB 400	2	
4	ACG3-0300D02	Light guide plate	PMMA-15.0T	2	
3	ACG3-0300A02	Fixing plate 2	SECC-1.2T	2	
2	ACG3-0300A01	Fixing plate 1	SECC-1.2T	2	
1	ACG3-0301000	Light box wooden assembly		1	
No.	Drawing No.	Name	Specification	Qty	Other

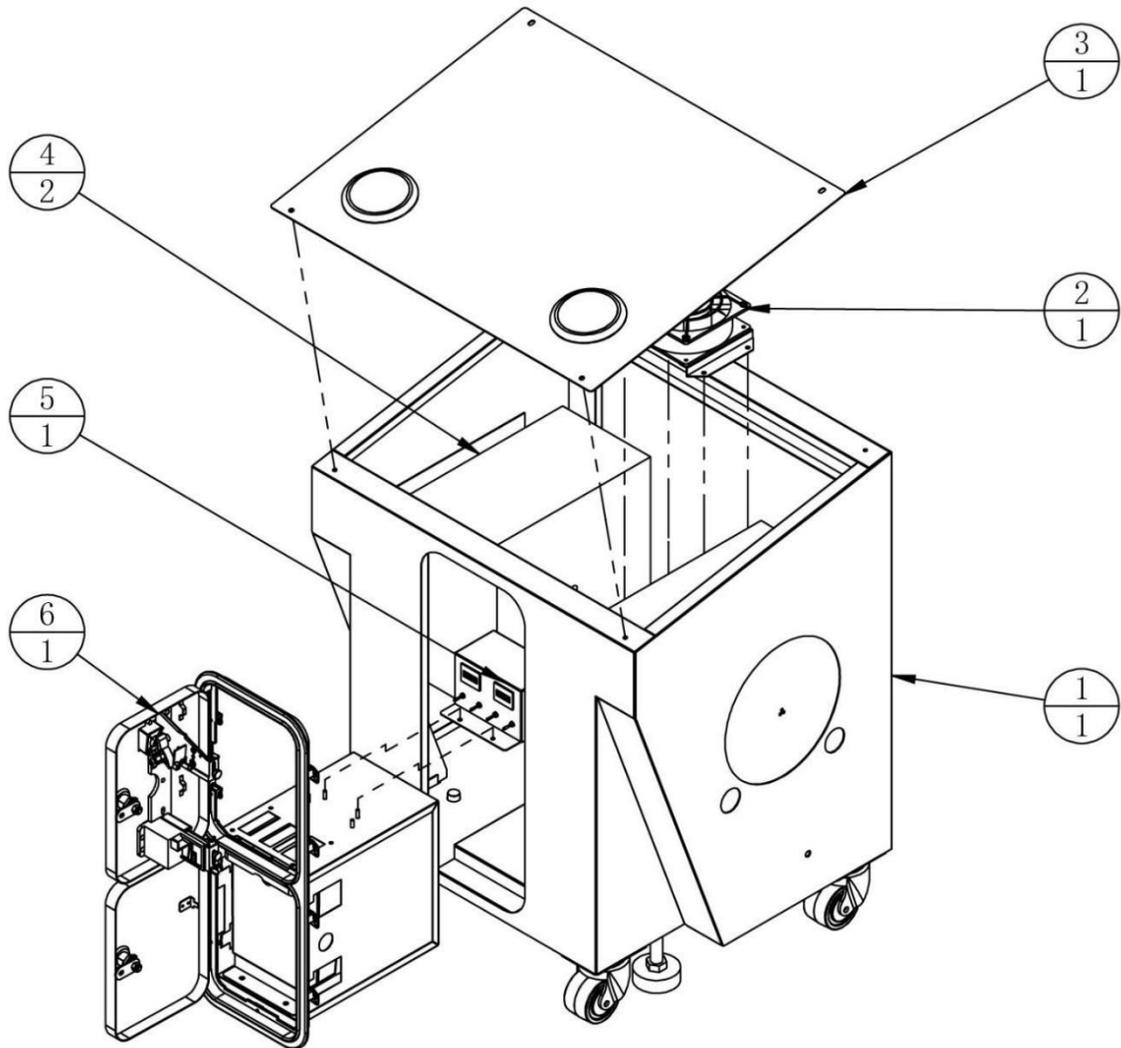
6.5.1 Light-box Wooden Assembly



2		Speaker	4' 4Ω 40W	2	
1	ACG3-0301B01	Light box frame		1	
No.	Drawing No.	Name	Specification	Qty	Other

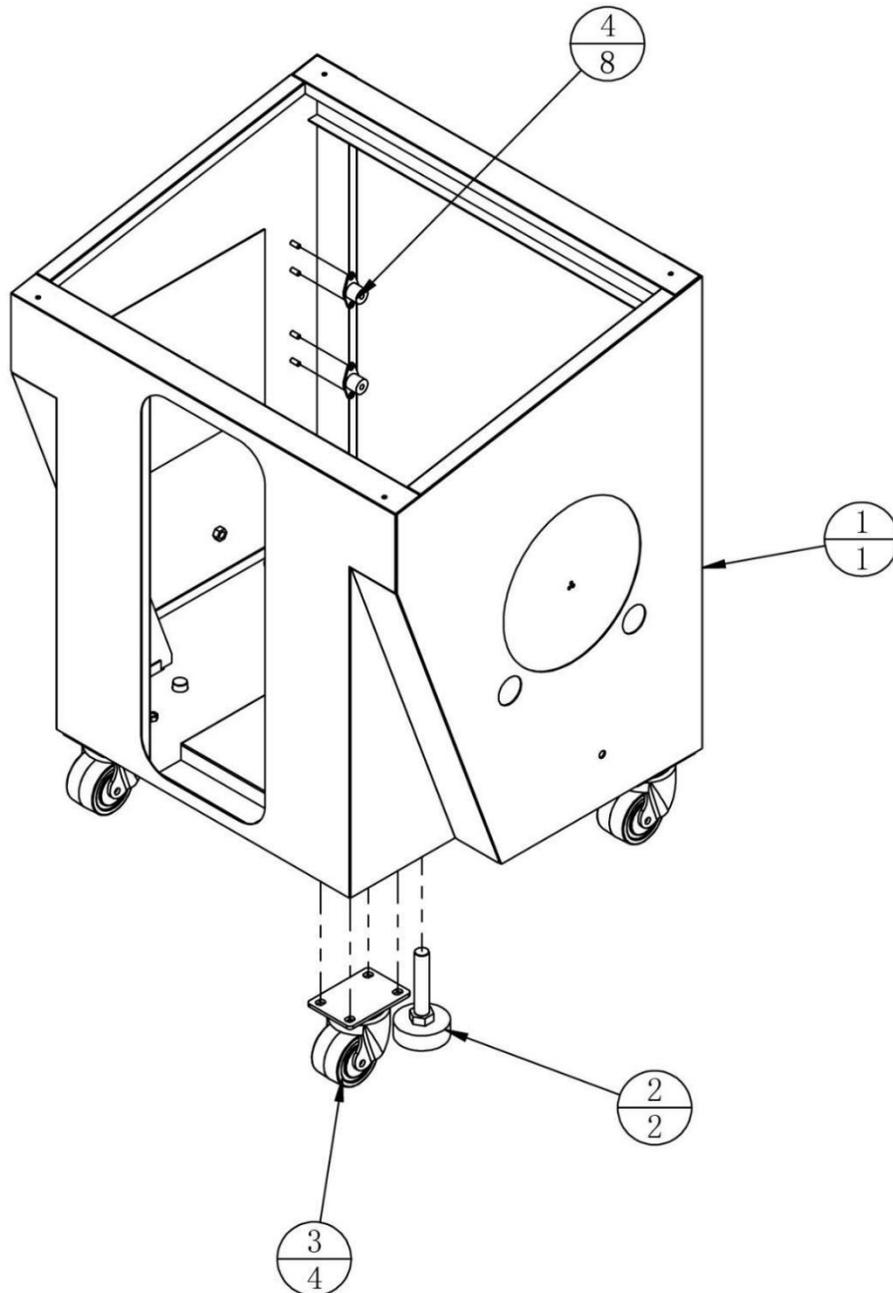
6.6 Console Assembly

6.6 Console Assembly



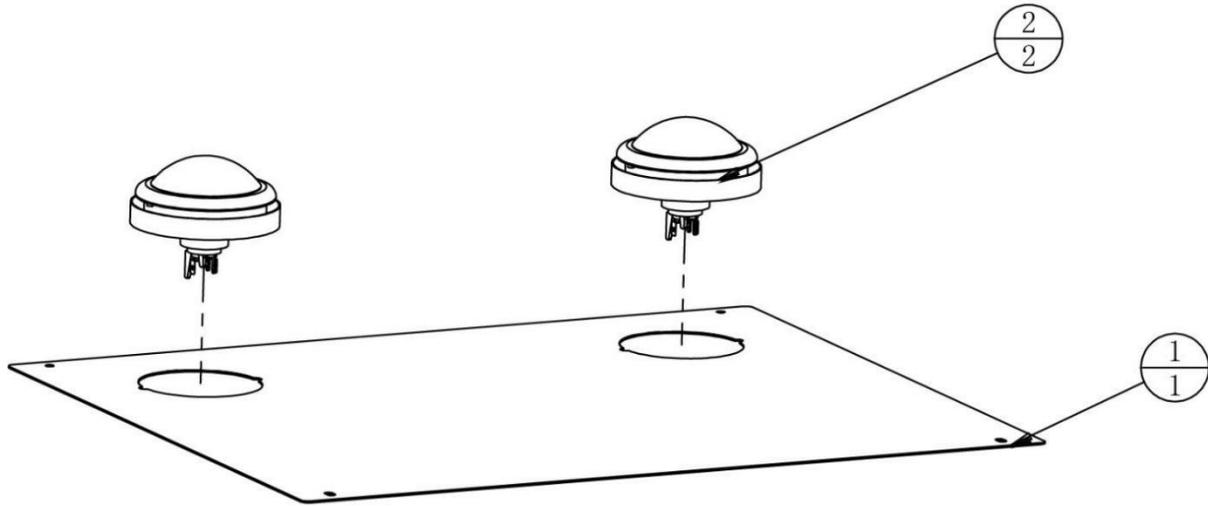
6		Coin door	10429800	1	
5	ACG3-0405000	Service panel assembly		1	
4	ACG3-0403000	Woofer assembly		2	
3	ACG3-0402000	Console panel assembly		1	
2	ACG3-0404000	Fan rear assembly		1	
1	ACG3-0401000	Console frame assembly		1	
No.	Drawing No.	Name	Specification	Qty	Other

6.6.1 Console Frame Assembly



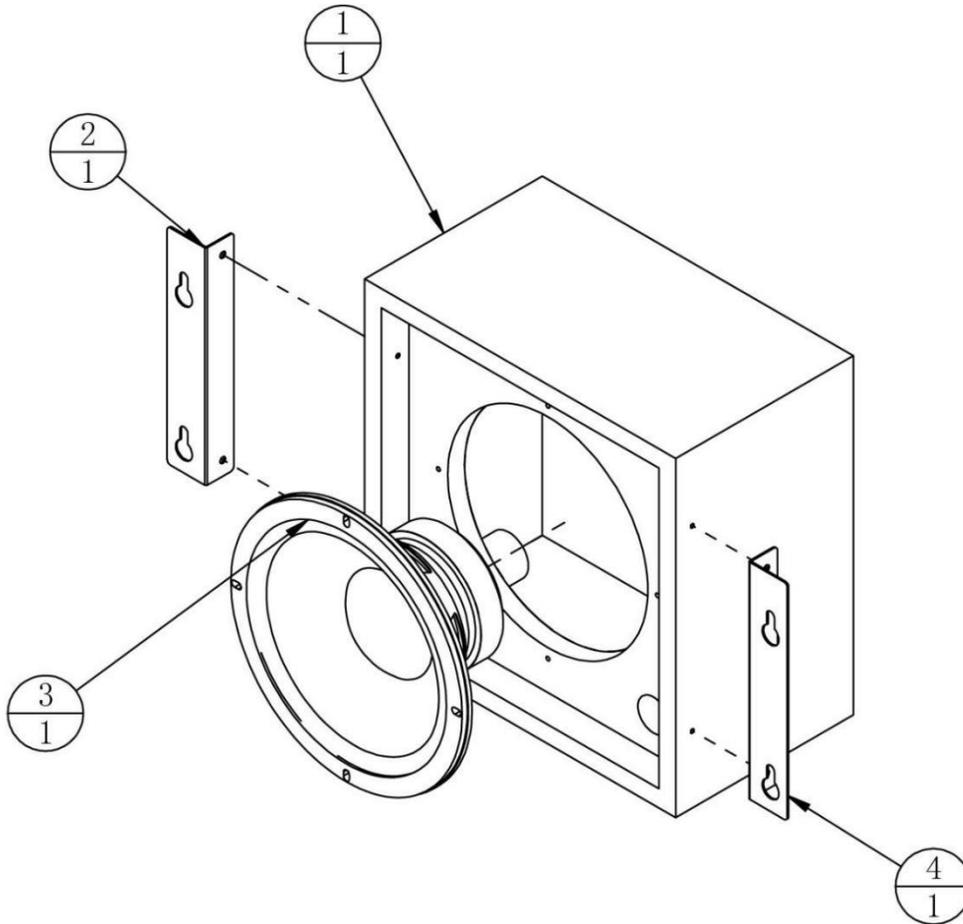
4		Foot base		8	
3		Casters	2.5'	4	
2		Anchor	M16*100	2	
1	ACG3-0401A01	Console		1	
No.	Drawing No.	Name	Specification	Qty	Other

6.6.2 Console Panel Assembly



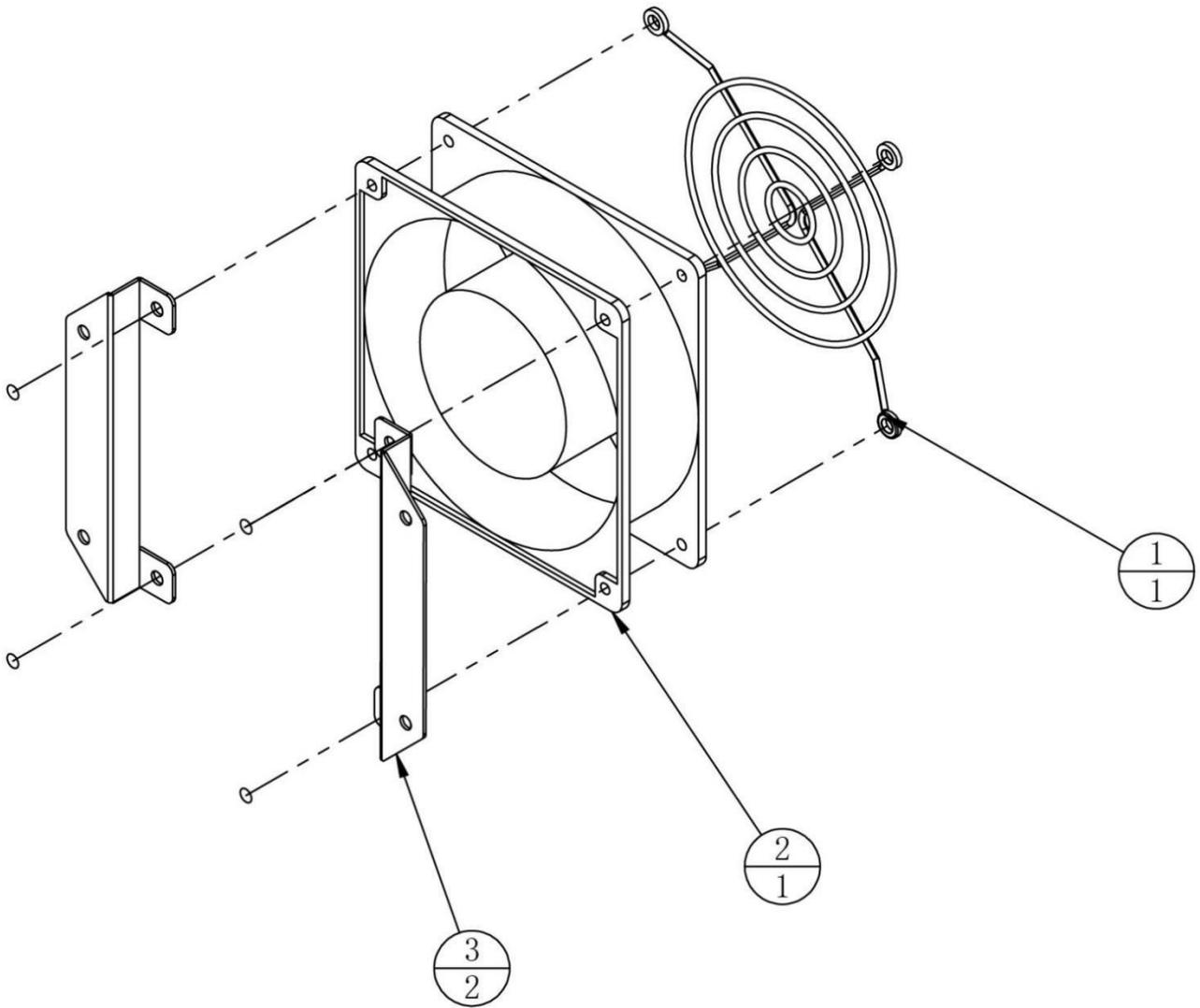
2		Button	φ100-DOME-CW凸	2	
1	ACG3-0402A01	Console cover	SPCC-1.2T	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.6.3 Woofer Assembly



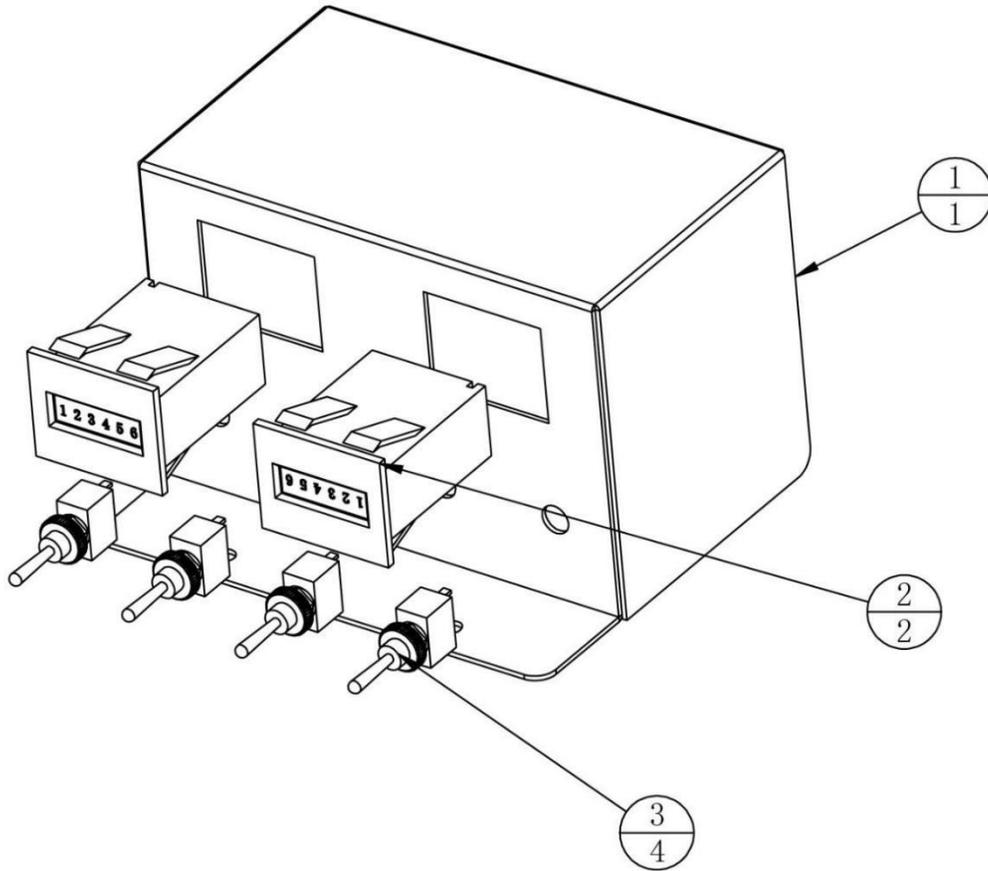
4	ACG3-0403A01	Woofer plate 1	SECC-1.2T	1	
3		Woofer	8吋8Ω/120W	1	
2	ACG3-0403A02	Woofer plate 2	SECC-1.2T	1	
1	ACG3-0403B01	Woofer box	MDF-15.0T	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.6.4 Fan Rear Assembly



3	ACG3-0404A01	Fan plate	SPCC-1.2T	2	
2		Fan	SENSDAR SD12038M2B DC24V 0.35A	1	
1		Fan net	120*120	1	
No.	Drawing No.	Name	Specification	Qty	Other

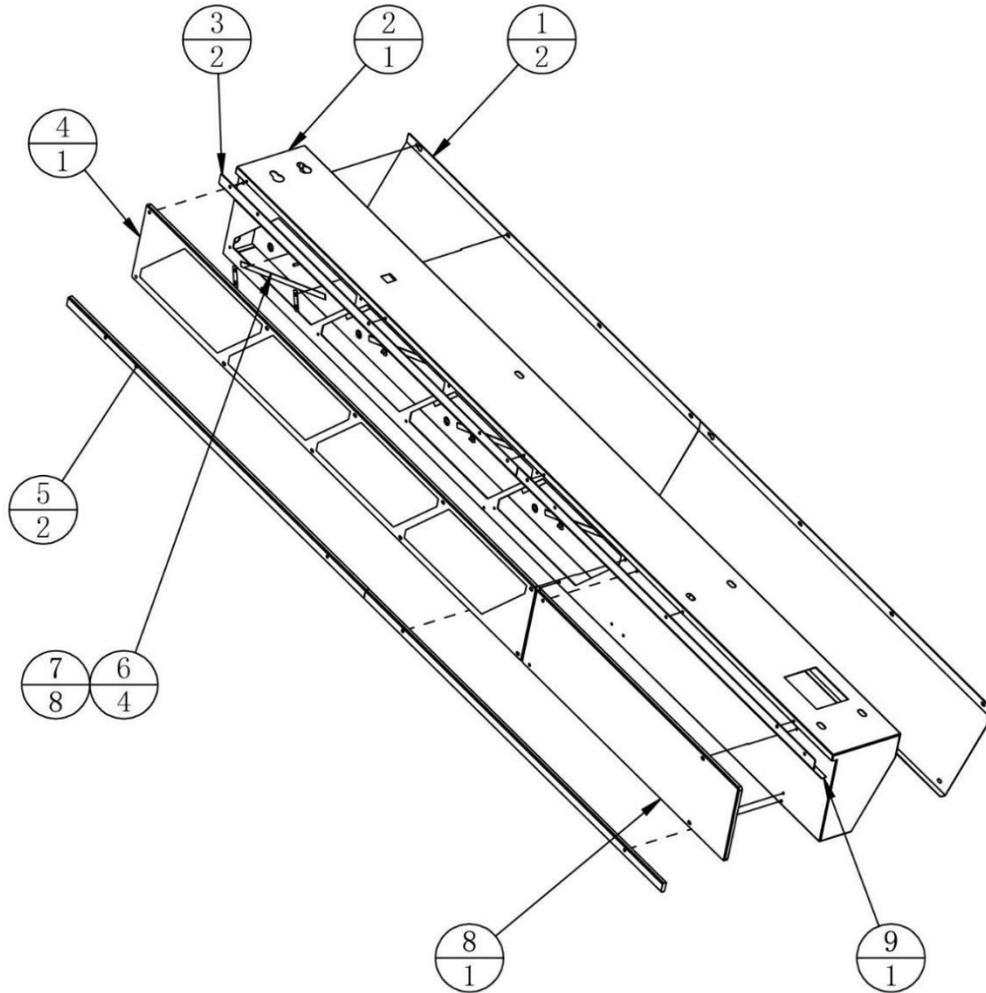
6.6.5 Service Panel Assembly



3		Switch	3P KNX123D	4	
2		Counter	DC 5V	2	
1	ACG3-0405A01	Service panel	SECC-1.2T	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.7 L Side Frame Assembly

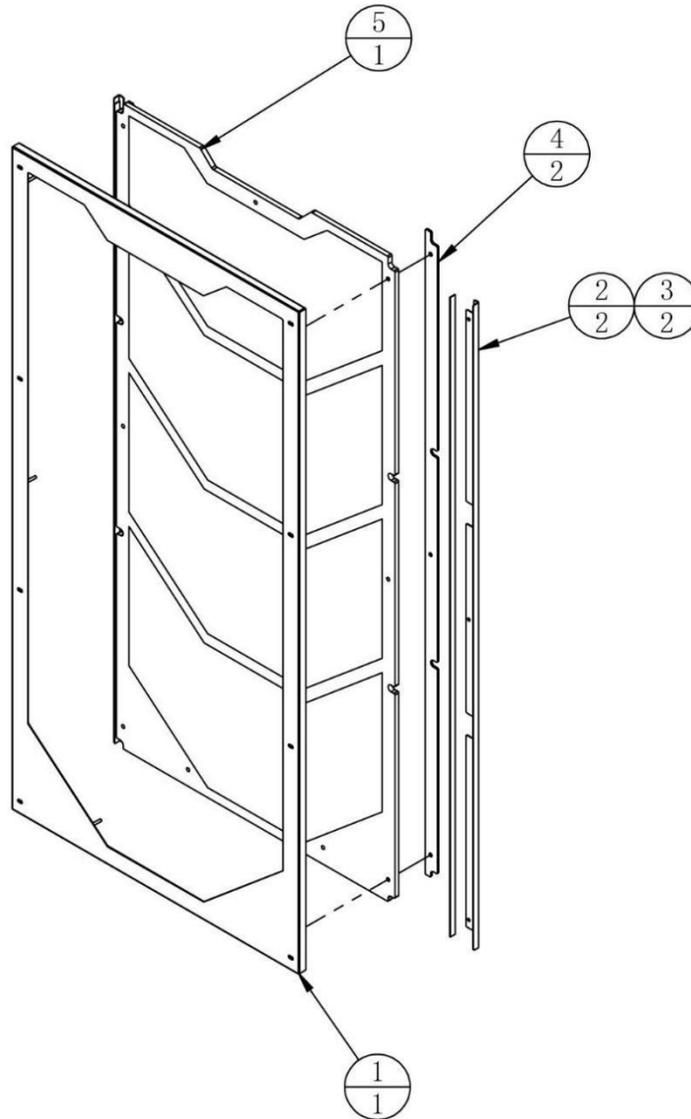
6.7 L Side Frame Assembly



9		5050 LED	SK6812 1800	1	
8	ACG3-0500D03	Lower left trim	PMMA-8.0T	1	
7	ATV-0101D02	LED plate	PVC-0.5T	8	
6		5050 LED	SK6812 250	4	
5	ACG3-0500D01	Side light guide plate	PMMA-8.0T	2	
4	ACG3-0500D02	Upper left trim	PMMA-8.0T	1	
3	ACG3-0500A03	Light cover	SPCC-1.2T	2	
2	ACG3-0500A01	Left side frame	SPCC	1	
1	ACG3-0500A02	Left frame cover	SPCC-1.0T	2	
No.	Drawing No.	Name	Specification	Qty	Other

6.8 Middle Frame Assembly

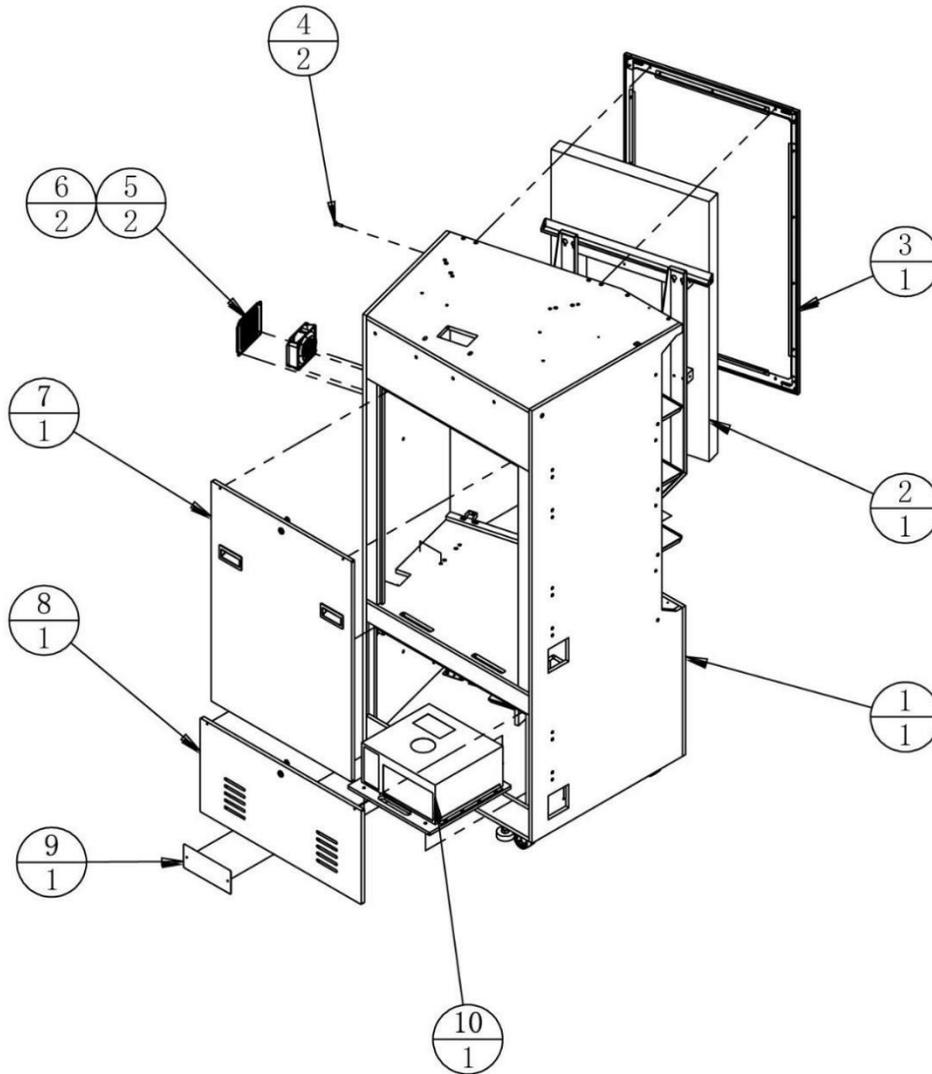
6.8 Middle Frame Assembly



5	ACG3-0600D01	Middle trim panel	PMMA-8.0T	1	
4	ACG3-0600D02	Base plate	PMMA-3.0T	2	
3		5050 LED	SK6812 1200	2	
2	ACG3-0600A02	Middle light plate	SPCC-1.2T	2	
1	ACG3-0600A01	Middle frame	SPCC-1.5T	1	
No.	Drawing No.	Name	Specification	Qty	Other

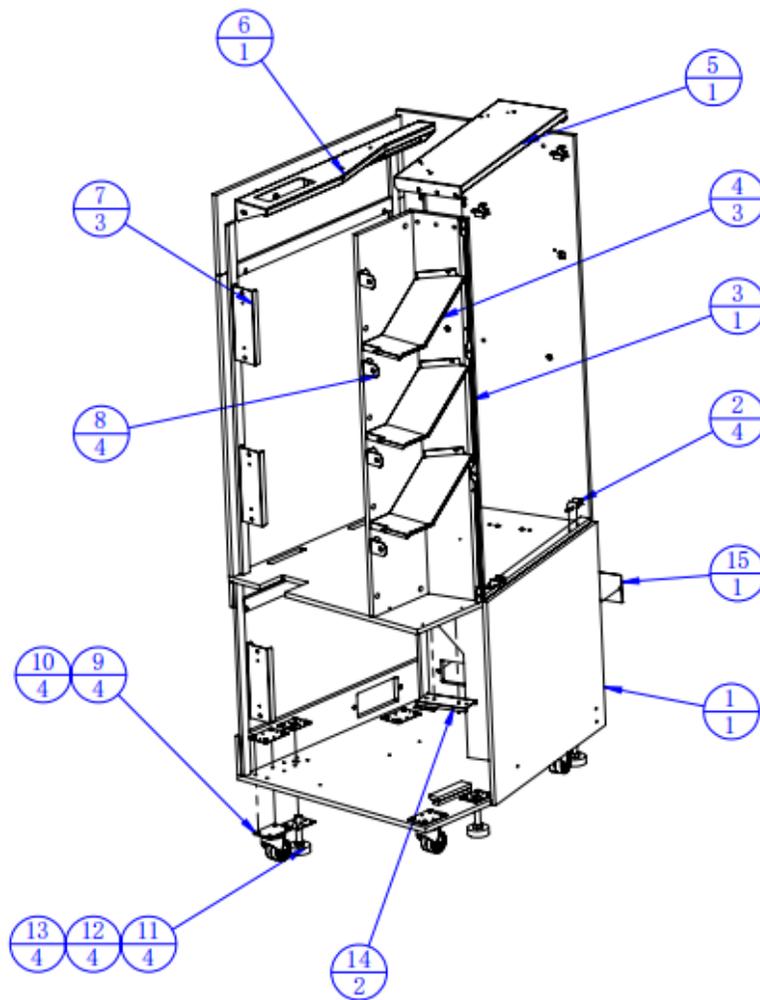
6.9 R Monitor Frame Assembly

6.9 R Monitor Frame Assembly



10	ACG3-0104000	PC assembly		1	
9	ACG3-0700A01	Down cover	SPCC-1.2T	1	
8	ACG3-0105000	PC door assembly		1	
7	ACG3-0106000	Monitor door assembly		1	
6	ATV-0214000	Fan assembly		2	
5		Plastic net	253-5460	2	
4	ACG3-0100A01	Side frame fixings	Q235	2	
3	ACG3-0102000	Monitor glass assembly		1	
2	ACG3-0103000	Monitor assembly		1	
1	ACG3-0701000	R wooden frame assembly		1	
No.	Drawing No.	Name	Specification	Qty	Other

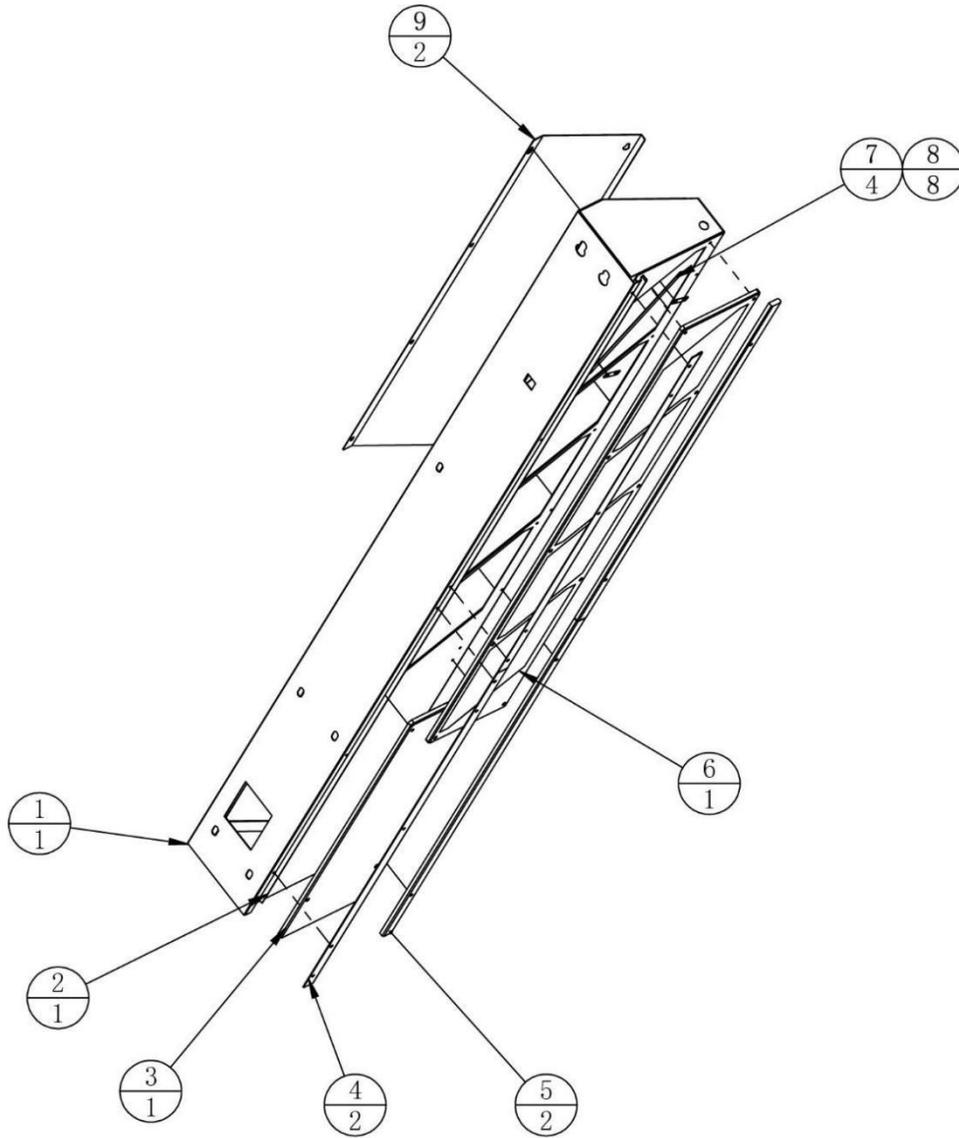
6.9.1 R Wooden Frame Assembly



15	ACG3-0101A10	Side cover	SPCC-1.2T	1	
14	ACG3-0101A01	Monitor reinforcing plate	SPCC-2.0T	2	
13	ATV-0201A05	Anchor fixing iron	SPCC-2.0T	4	
12	ATV-0201A07	Anchor plate	SPCC-2.0T	4	
11		Anchor	M16*100	4	
10	ATV-0201A06	Casters fixed iron	SPCC-2.0T	4	
9		Casters	2.5'	4	
8	ACG3-0701A04	Frame connecting 4	SECC-1.5T	4	
7	ACG3-0701A03	Frame connecting 3	SECC-2.0T	3	
6	ACG3-0701A02	Right reinforcing plate	SECC-2.5T	1	
5	ACG3-0101A07	Light box support		1	
4	ACG3-0701A01	Middle diaphragm 2	SECC-1.2T	3	
3	ACG3-0101A05	Middle frame plate	SPCC-1.2T	1	
2	ACG3-0101A06	Glass frame plate	SPCC-1.2T	4	
1	ACG3-0701B01	R wooden frame	MDF	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.10 R Side Frame Assembly

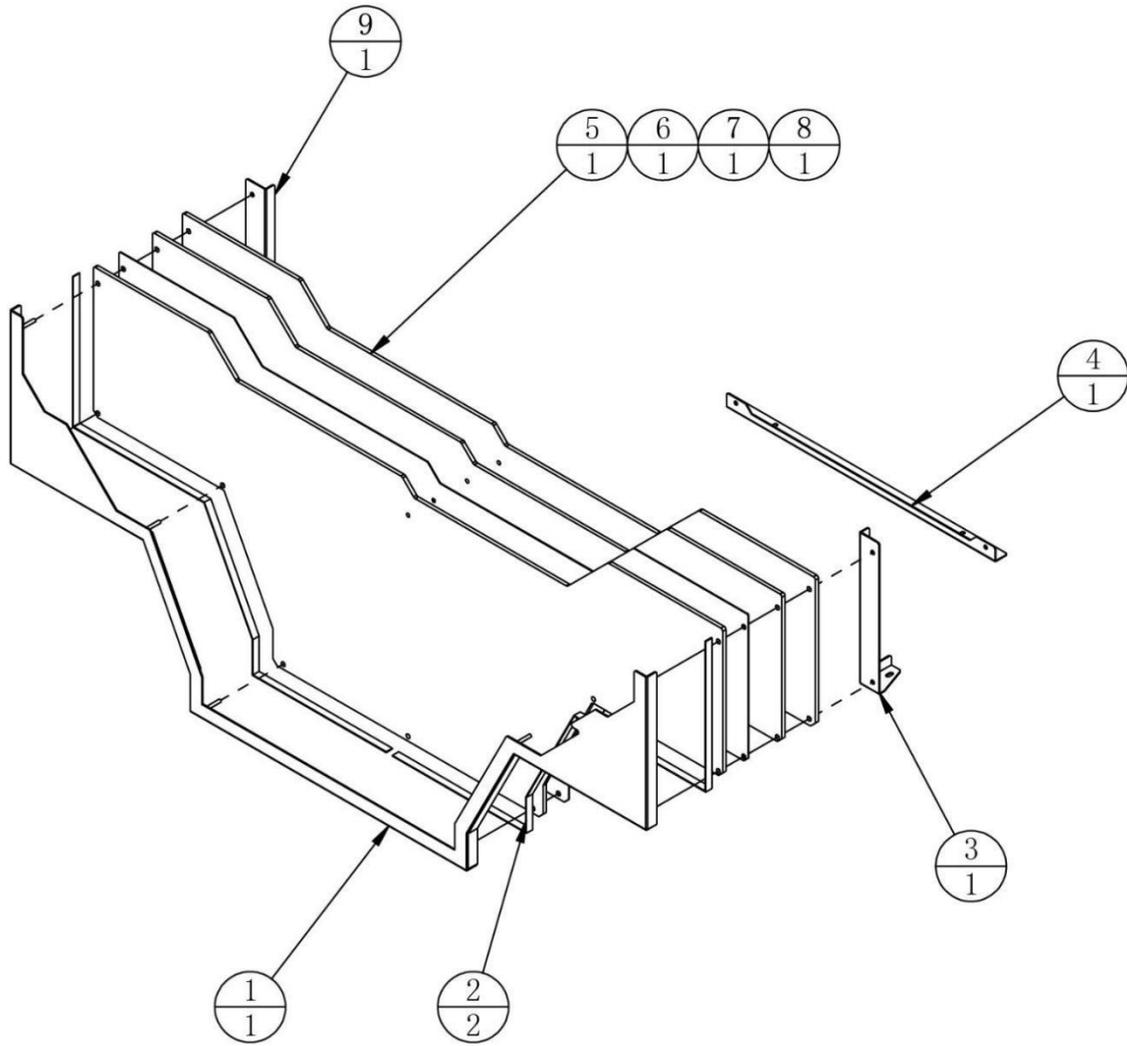
6.10 R Side Frame Assembly



9	ACG3-0800A02	Right frame cover	SPCC-1.0T	2	
8	ATV-0101D02	LED plate	PVC-0.5T	8	
7		5050 LED	SK6812 250	4	
6	ACG3-0800D02	Upper right trim	PMMA-5.0T	1	
5	ACG3-0500D01	Side light guide plate	PMMA-8.0T	2	
4	ACG3-0500A03	Light cover	SPCC-1.2T	2	
3	ACG3-0800D01	Lower right trim	PMMA-5.0T	1	
2		5050 LED	SK6812 1800	1	
1	ACG3-0800A01	Right side frame	SPCC	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.11 LOGO Assembly

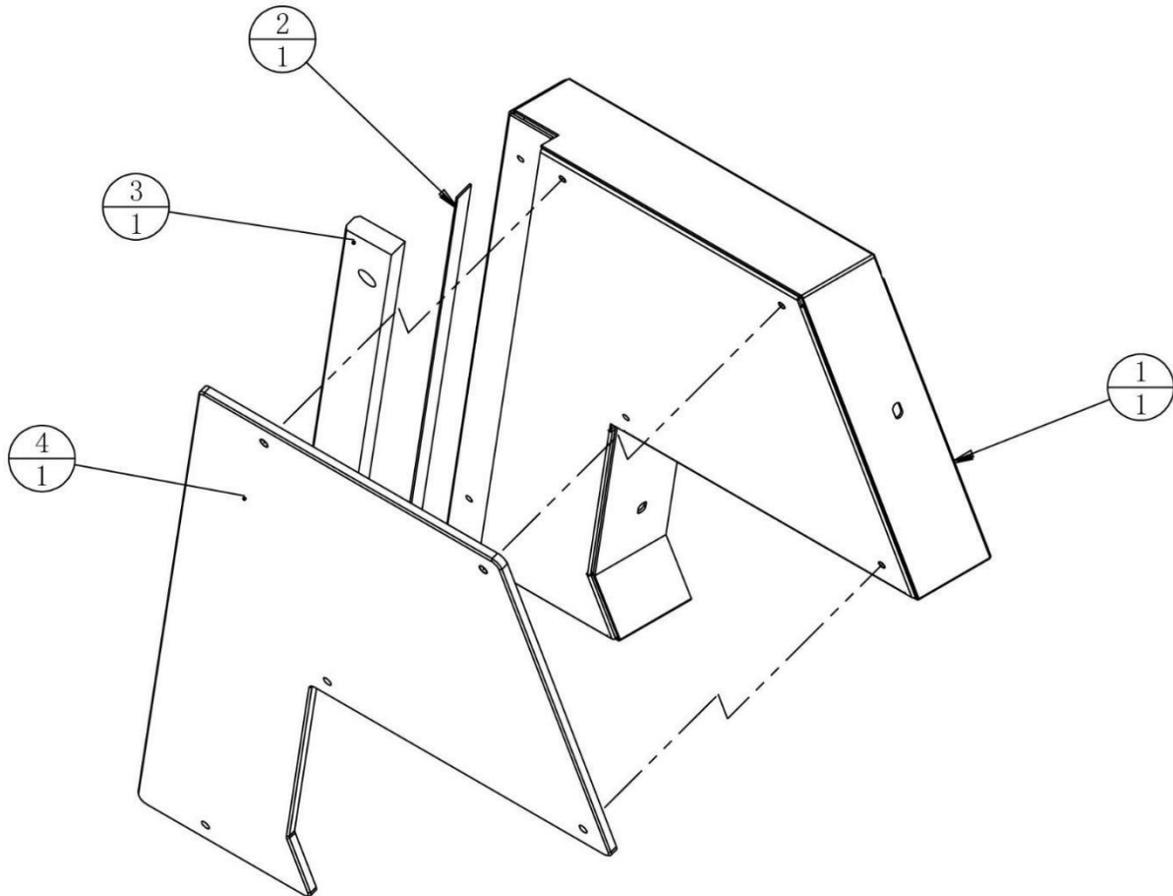
6.11 LOGO Assembly



9	ACG3-0900A04	LOGO L support	SPCC-1.5T	1	
8	ACG3-0900D01	LOGO carving	PMMA-5.0T	1	
7	ACG3-0900D02	LOGO printing	PMMA-3.0T	1	
6	ACG3-0900D03	LOGO light guide plate	PMMA-8.0T	1	
5	ACG3-0900D04	Background	PMMA-5.0T	1	
4	ACG3-0900A03	LOGO D support	SPCC-1.5T	1	
3	ACG3-0900A02	LOGO R support	SPCC-1.5T	1	
2		5050 LED	SK6812 850	2	
1	ACG3-0900A01	LOGO frame		1	
No.	Drawing No.	Name	Specification	Qty	Other

6.12 L Upper Frame Assembly

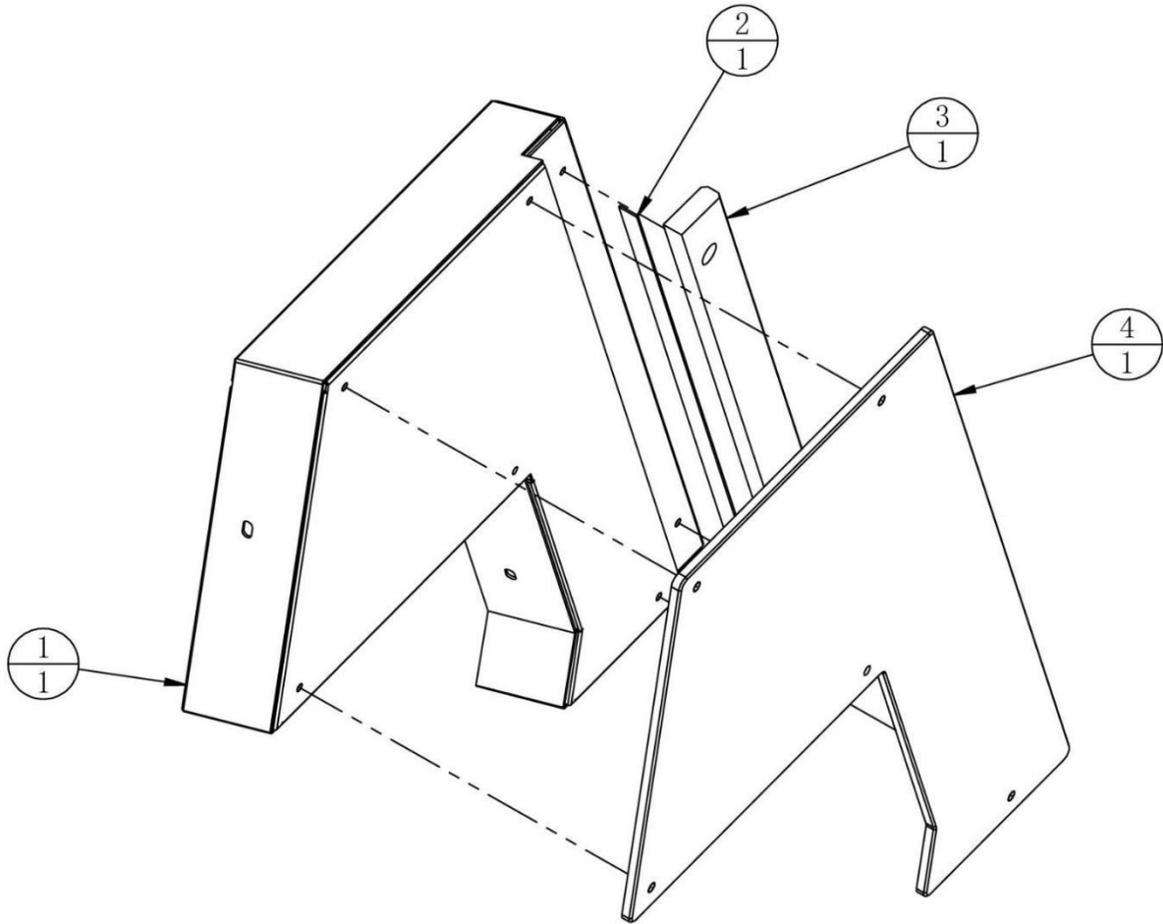
6.12 L Upper Frame Assembly



4	ACG3-1000D02	L top trim	PMMA-5.0T	1	
3	ACG3-1000D01	Upper L light guide	PMMA-10.0T	1	
2		5050 LED	SK6812 450	1	
1	ACG3-1000A01	L upper frame	SPCC	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.13 R Upper Frame Assembly

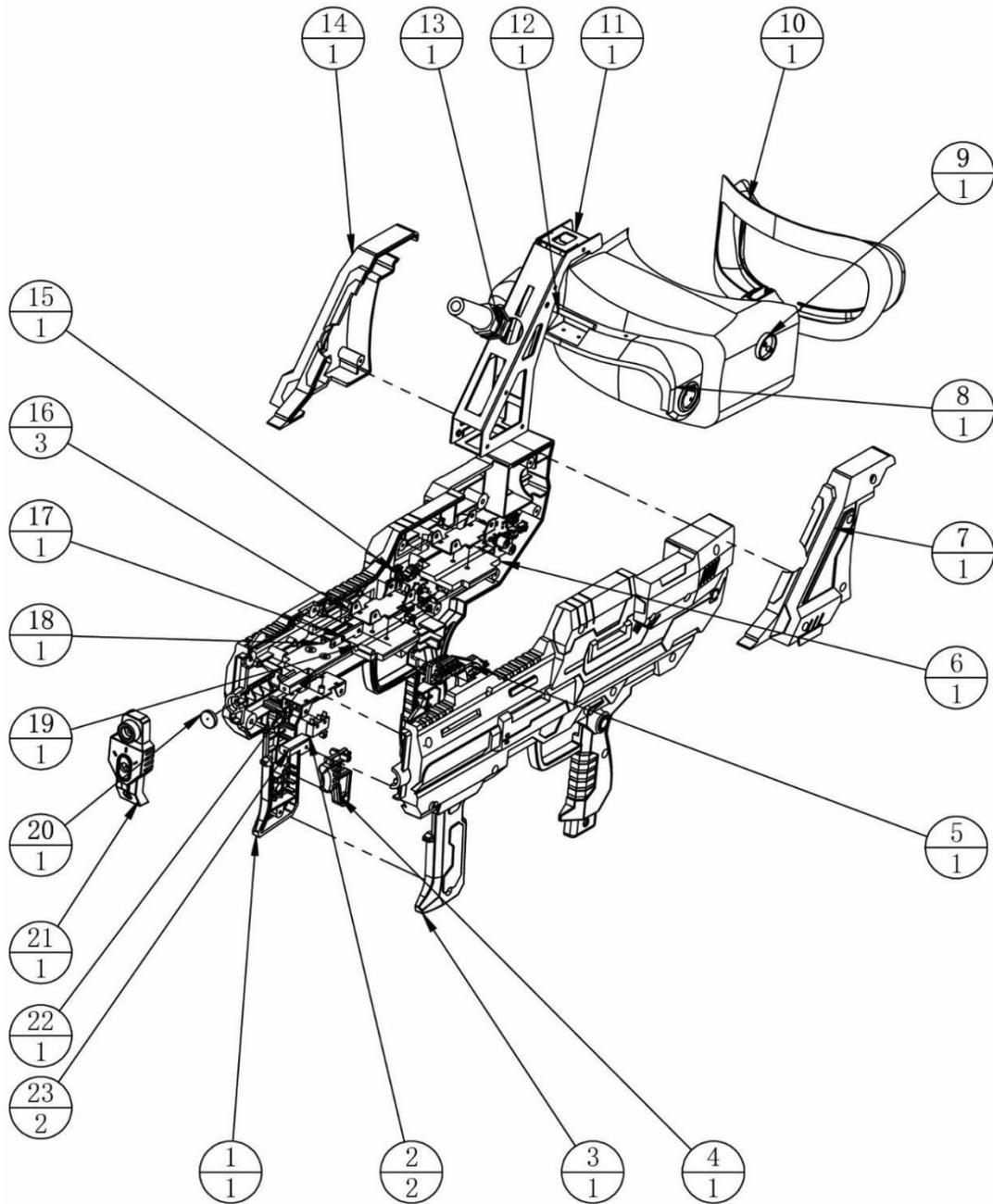
6.13 R Upper Frame Assembly



4	ACG3-1100D02	R top trim	PMMA-5.0T	1	
3	ACG3-1100D01	Upper R light guide	PMMA-10.0T	1	
2		5050 LED	SK6812 450	1	
1	ACG3-1100A01	R upper frame	SPCC	1	
No.	Drawing No.	Name	Specification	Qty	Other

6.14 Gun Assembly

6.14.1 Gun Parts Diagram

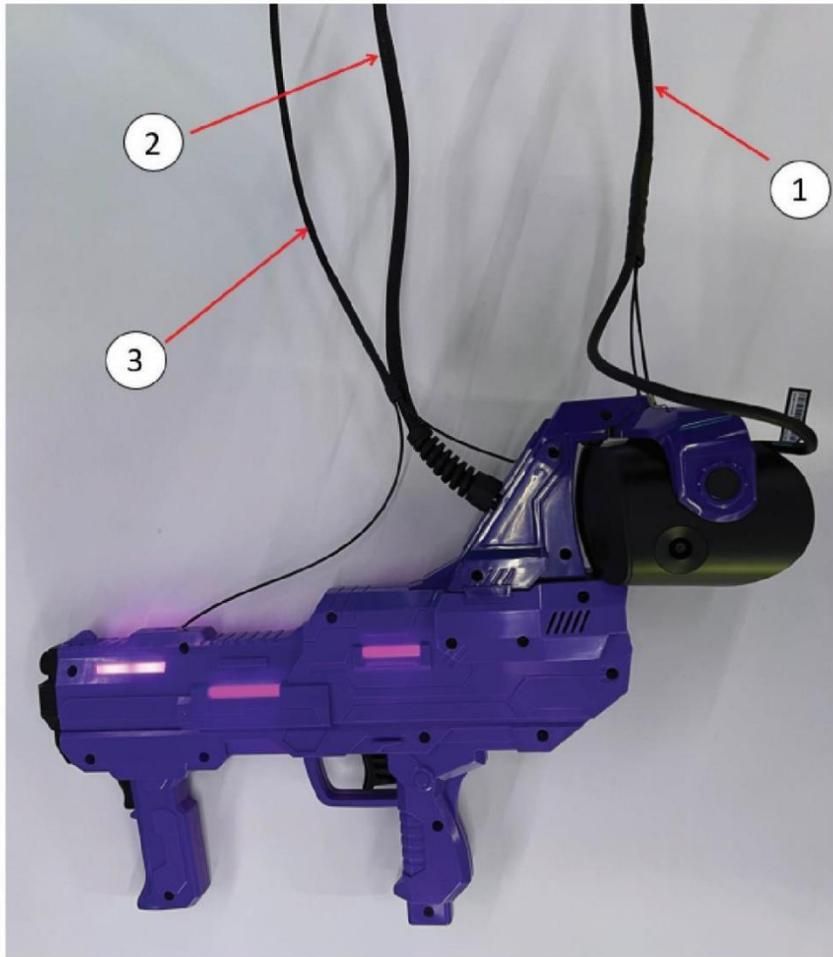


6.14.1 Gun Parts Diagram

Gun Parts Table:

23	ACG-0900A01	Sheath block	AL	2	
22	ACG-0900D01	Light guide acrylic 1	PMMA	1	
21	ACG-0900C06	Sheath		1	
20	ACG-0900D04	Sensor acrylic	PMMA-3.0T	1	
19	ACG-0900A02	Clamp post 1	SUS304	1	
18	ACG-0900A06	Front holder	SECC-1.0T	1	
17	ACG-0900D02	Light guide acrylic 2	PMMA	1	
16	ACG-0900A03	LED plate	SECC-1.0T	3	
15		GUN Sub	B0-100A	1	
14	ACG-0900C09	Frame cover R	ABS	1	
13		Buckle		1	
12	ACG-0900A05	Clamp post 2	SUS304	1	
11	ACG-0900A04	HMD support frame	SECC-1.2T	1	
10	ACG-0900C12	Patch		1	
9		VR HMD	HP Reverb G2	1	
8	ACG-0900C11	HMD frame	ABS	1	
7	ACG-0900C10	Frame cover L	ABS	1	
6	ACG-0900D03	Light guide acrylic 3	PMMA	1	
5	ACG-0900C08	Shoot trigger	ABS	1	
4	ACG-0900C07	Reload trigger	ABS	1	
3	ACG-0900C02	Gun cover L	ABS	1	
2		Switch	ss-01gl2-e	2	
1	ACG-0900C01	Gun cover R	ABS	1	
No.	Drawing No.	Name	Specification	Qty	Other

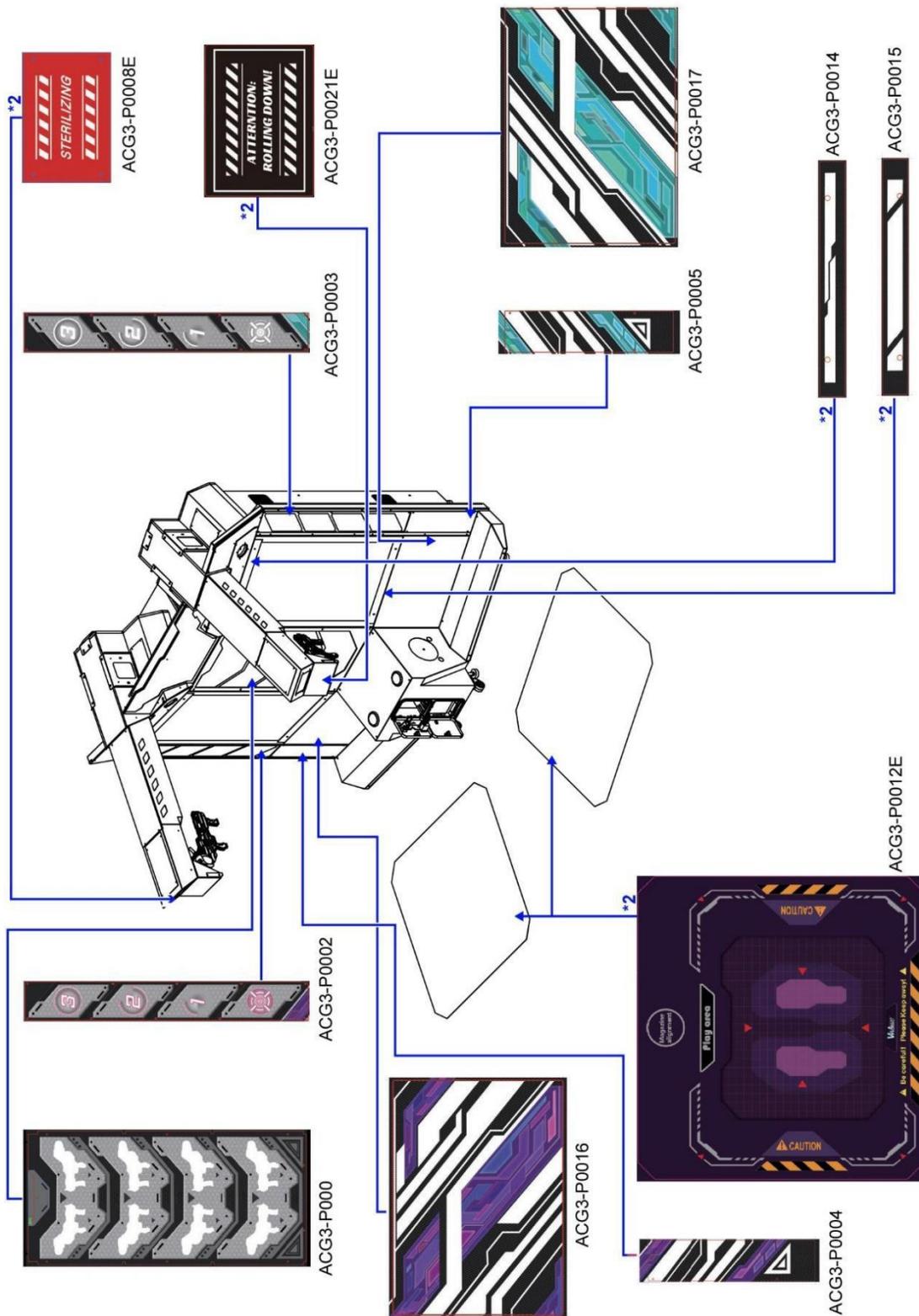
6.14.2 Gun Wires and Cables



3	ACG3-1200G01	Gun assy wire rope 1		1	
2	ACG3-1200L01	Gun conrtol wire		1	
1	ACG3-1200L02	VR Cable		1	
No.	Drawing No.	Name	Specification	Qty	Other

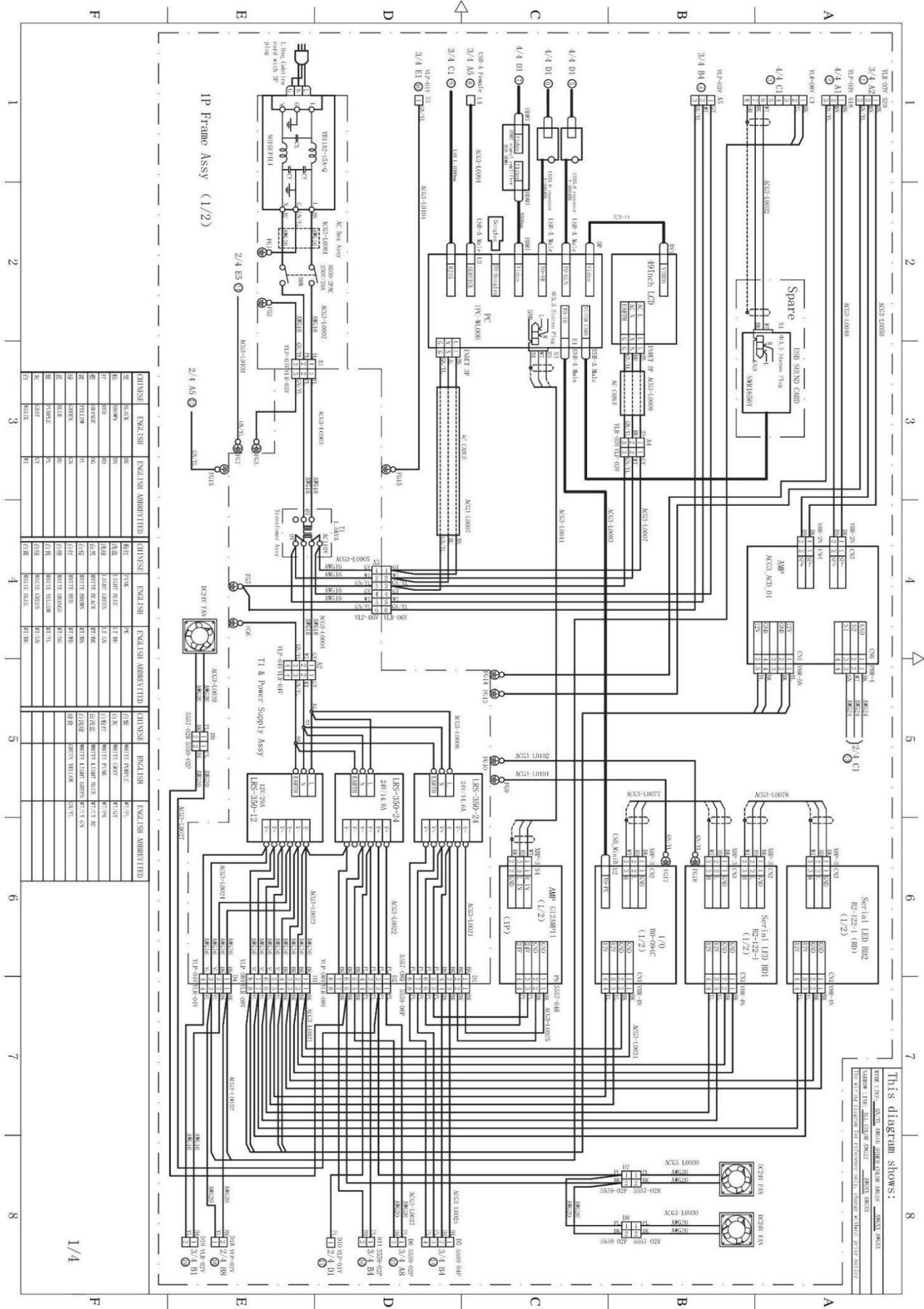
7. Printing Pattern

7.1 Printing Pattern of Cabinet



8. Wiring Diagram

Wiring Diagram 1-4



CHINESE	ENGLISH	ENGLISH ABBREVIATED	CHINESE	ENGLISH	ENGLISH ABBREVIATED	CHINESE	ENGLISH	ENGLISH ABBREVIATED
板卡	PC BOARD	PC	板卡	PC BOARD	PC	板卡	PC BOARD	PC
风扇	FAN	FAN	风扇	FAN	FAN	风扇	FAN	FAN
机箱	CHASSIS	CHASSIS	机箱	CHASSIS	CHASSIS	机箱	CHASSIS	CHASSIS
电源	POWER SUPPLY	PSU	电源	POWER SUPPLY	PSU	电源	POWER SUPPLY	PSU
网络接口	NETWORK PORT	NET	网络接口	NETWORK PORT	NET	网络接口	NETWORK PORT	NET
串行接口	SERIAL PORT	SER	串行接口	SERIAL PORT	SER	串行接口	SERIAL PORT	SER
并行接口	PARALLEL PORT	PAR	并行接口	PARALLEL PORT	PAR	并行接口	PARALLEL PORT	PAR
光接口	OPTICAL PORT	OPT	光接口	OPTICAL PORT	OPT	光接口	OPTICAL PORT	OPT
音频接口	AUDIO PORT	AUD	音频接口	AUDIO PORT	AUD	音频接口	AUDIO PORT	AUD
视频接口	VIDEO PORT	VID	视频接口	VIDEO PORT	VID	视频接口	VIDEO PORT	VID
USB接口	USB PORT	USB	USB接口	USB PORT	USB	USB接口	USB PORT	USB
其他接口	OTHER PORT	OTH	其他接口	OTHER PORT	OTH	其他接口	OTHER PORT	OTH

This diagram shows:
 1. Main power supply and distribution lines.
 2. Signal lines for I/O boards and LED boards.
 3. Grounding and shielding connections.
 4. Connector pin configurations and wire colors.

9. Spares and Service Contact Information



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**VR AGENT TWIN
User Manual**

