



BLUE MOTION
— GAMES —

John Wick Continental Pursuit

Operator and Service Manual

John Wick: Continental Pursuit

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1. Introduction

This manual will provide you with the necessary instructions on how to operate and maintain the John Wick Continental Pursuit Arcade game.

Copyright law and industrial property law protects the content of the Desert Chase, its components, its software, and its design.

An electronic copy of this document can be obtained by contacting Blue Motion Service and Support Team.

1.1 Document Symbol Convention

Symbol	Description
 CAUTION	Equipment damage can happen if a CAUTION is not followed.
 WARNING	Personal injury or death can result if a WARNING is not followed.
 ELECTRICAL HAZARD	Risk of electric shock



1.2 Definition and Acronym

Term	Description
Operator	Person responsible for installing, maintaining, and operating the machine.
Player	User interacting with the machine during gameplay.
IR	Invisible light used for tracking, sensing, or communication in the system. (Infrared)
LED	Electronic component that emits light, used for indicators or illumination. (Light Emitting Diode)
PCB	Board that holds and connects electronic components in the system. (Printed Circuit Board)
IO	Signals or ports used to receive inputs from sensors and send outputs to devices. (Input/output)
PSU	Device that converts and supplies electrical power to the system components.
Machine	The product which is mentioned on the title page
OS	The operating system running on the computer
PC	The computer placed inside the cabinet



1.3 Disclaimers

CAUTION



- Any modifications to the machine that are not expressly authorized in writing by the manufacturer will be the sole responsibility of the customer. In such cases, the customer assumes the role of the manufacturer and must comply with all applicable rules and regulations.
- Blue Motion Games shall not be held liable for any accidents, injuries, or damages resulting from unauthorized modifications, improper use of the product, or failure to follow safety guidelines.
- The machine must only be used for its intended purpose as described in this manual. Do not use accessories or attachments that are not approved by the manufacturer.
- This product is intended for indoor use only.
- Do not clean the product using a water jet or high-pressure cleaning equipment.
- The recommended operating temperature range is between 10°C and 25°C.
- This product must not be installed in environments where water jets or similar cleaning methods may be used.



2. Electrical requirements

The facility must provide 120 – 240 V AC power at the location where the machine will be installed. Proper earthing is a must. Connecting the machine to a UPS power supply will ensure longer life span of electrical components on the machine.

Cable diameter should be 8 awg.

ELECTRICAL HAZARD



- Incorrect electrical or grounding connections may create a risk of electric shock. If you are unsure whether the product is properly grounded, consult a qualified electrician or service technician.
- Do not operate the machine if the power cord or plug is damaged, if the unit is not functioning properly, or if it has been dropped or otherwise damaged. Return the unit to an authorized service center for inspection and repair.
- Keep the power cord away from hot or heated surfaces.
- To disconnect the unit from power, unplug it from the electrical outlet.
- If the power supply cord is damaged, it must be replaced by the manufacturer, an authorized service agent, or a similarly qualified professional to prevent hazards.



3. Safety Information

The machine includes sudden and sporadic movement of the seats. The operator should make sure that no injury occurs to any passengers due to physical condition. The operator should also make sure that all passengers are aware of the ride's rules. The following safety instructions **must be read and followed** before installing, operating, or servicing the Simulator. Failure to comply may result in injury, equipment damage, or voided warranty.

3.1 General Warnings

WARNING



- This simulator contains **moving mechanical parts** and **high-voltage electrical components**. Keep hands, feet, hair, clothing, and tools away from the motion platform and actuators always.
- Do NOT operate the simulator with **any panel removed**.
- Only trained and authorized personnel may install or service the machine.
- Disconnect the power cable from the facility outlet before performing **any** maintenance.
- Do not place flammable materials near or inside the machine. A **CO₂ fire extinguisher** must be accessible within 5 meters.
- If smoke, spark, unusual smell, or abnormal noise is detected, switch OFF the main breaker immediately and contact service personnel.

3.2 User Health & Safety Requirements

WARNING



The simulator is not recommended for individuals with:

- Heart conditions
- Back or neck problems
- Epilepsy or seizure disorders
- Motion sickness sensitivity
- Pregnancy
- Alcohol or drug influence

CAUTION



- Recommended minimum age: **10 years**
- Minimum height: **110 cm**
- Maximum weight per seat: **135 kg – 300lbs**
- **13 years old or younger** must be accompanied by an adult
- Users must remain seated, keep hands on the handles, and follow operator instructions during the entire ride.
- Eating, drinking, chewing gum or standing up during operation is strictly prohibited.
- Smoking is not allowed
- Secure all loose items (keys, phone, change)



- Cameras and video equipment are not allowed
- Use of seatbelts is mandatory. Ensure that the seatbelt is fastened and adjusted properly before starting the ride.

3.3 Motion Platform Safety

WARNING



- The motion system uses **high-speed actuators**. Sudden movements can cause injury if safety rules are ignored. Do NOT:
 - Enter under the seat platform at any time
 - Place objects under or around the motion base
 - Operate the simulator if there is any loose, damaged, or missing part
- Ensure the **Motion Stop Button** is functional before daily use.

3.4 Emergency Stop Function

- Pressing the motion stop button immediately stops the motion of actuators.
- The platform will stop in its current position.
- Release and reset the motion stop button before restarting the simulator.

3.5 Electrical Safety

ELECTRICAL HAZARD



- The machine must be connected to a **properly grounded** 120–240 V AC outlet.
- Do NOT use undersized extension cables or damaged power cords.
- Only qualified technicians may open:
 - Electrical control panel
 - Motion controller box
 - Power supply compartments
 - Internal PC and network modules
- Before servicing:
 - Switch OFF the main breaker.
 - Unplug the power cable from the wall.
 - Wait 30 seconds for internal capacitors to discharge.
 - Confirm that all motion has fully stopped.

3.6 Pneumatic Safety (Gun Recoil System)

CAUTION



- Depressurize the system before disconnecting any pneumatic hose.
- Ensure the compressor output valve is in the correct position before operation.



- Do not exceed recommended pressure levels indicated on the compressor gauge.
- Make sure the solenoid valve and recoil mechanism are unobstructed and lubricated as described in the maintenance section.

3.7 Installation & Environmental Safety

CAUTION



- Install the machine on **flat and level flooring**.
- Maintain at least **0.5 meters** of clearance around all sides of the simulator.
- Ensure ventilation openings are not blocked. Proper airflow is required for PC cooling, power supplies, and pneumatic components.
- Avoid exposure to moisture, outdoor environments, or direct sunlight.



4. Operator Responsibilities

Before each day of operation, the operator must:

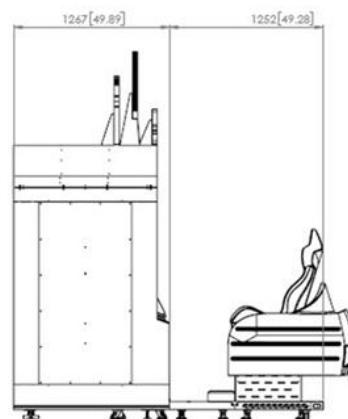
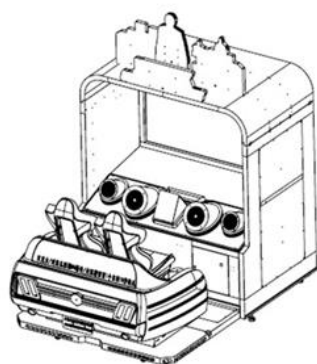
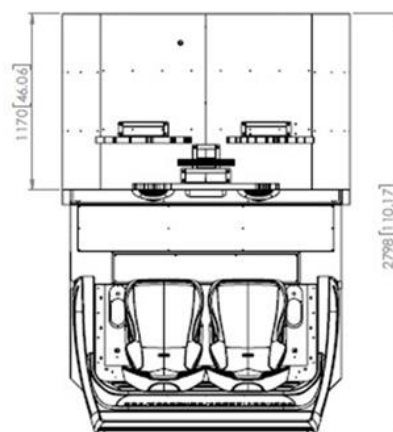
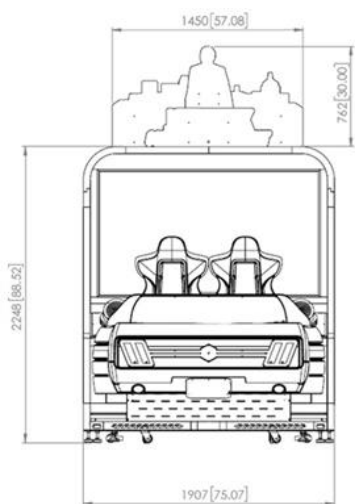
- Inspect the simulator for loose bolts, damaged cables, or unusual conditions.
- Verify that all panels and covers are properly installed.
- Test the system for abnormal noise or motion.
- Confirm that motion, video, audio, and gun recoil systems function correctly.
- Ensure the motion stop button and breakers operate normally.



5. Technical Data

Dimensions (mm/inc)	2800 x 1910 x 3010 mm - 9'-2" x 6'-3" x 9'-10 1/2"
Weight	580 kg - 1280 lbs
Electrical Power Requirements	
a. Voltage, Frequency	120 – 240 V AC 50/60 Hz - Manual voltage selection on transformer is required
b. Power	1.65 kW
Degree of freedom	3
Number of players	2
Operation Cycle Time	5 min

Motion Axis	Disp.	Velocity	Acceleration
Roll	± 7 deg	± 36 deg/s	± 1400 deg/s ²
Pitch	± 22 deg	± 100 deg/s	± 3000 deg/s ²
Z	± 50 mm	250 mm/s	± 1 G



6. Installation Instructions

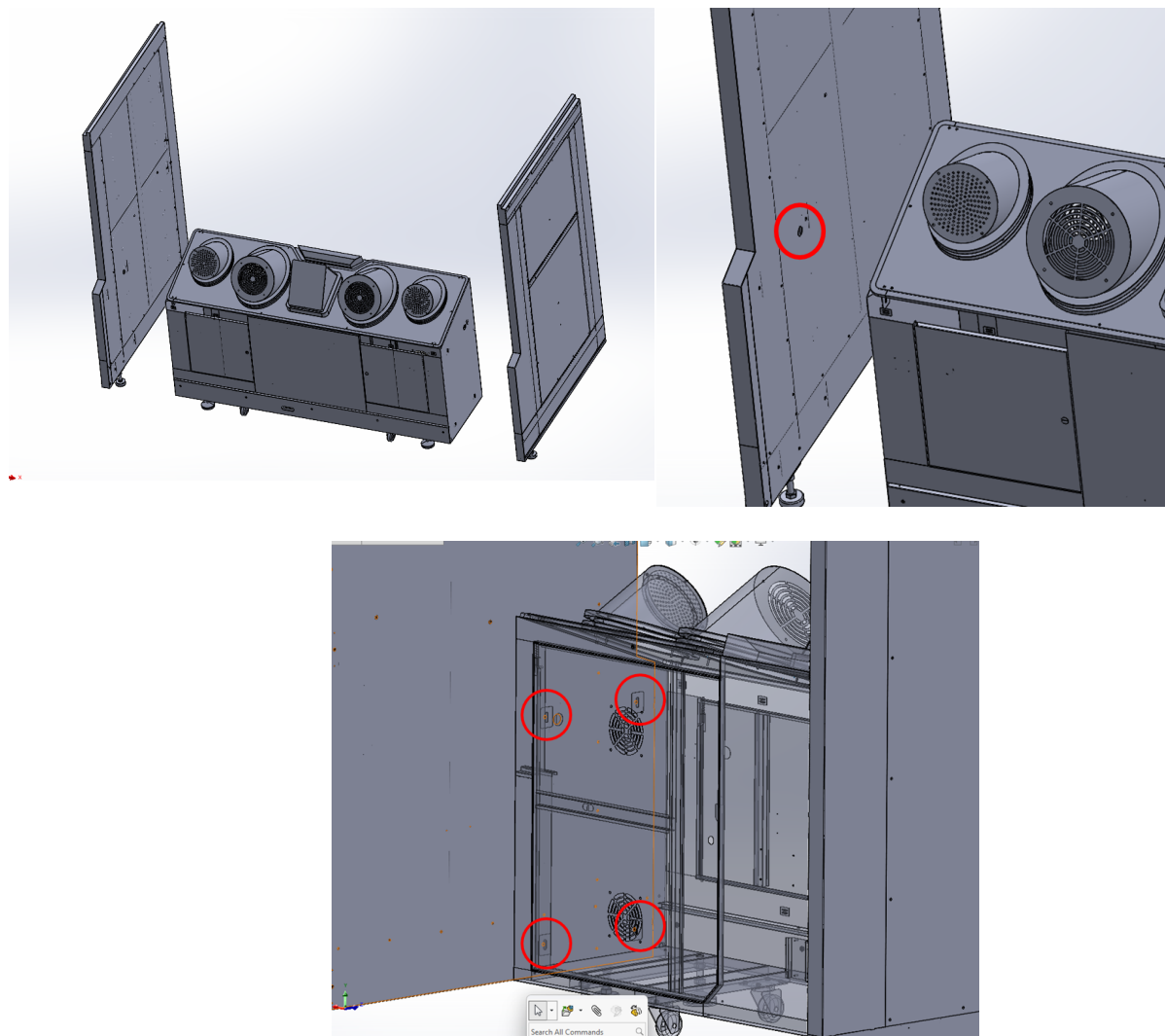
UNLOADING / UNPACKING

Unpack the packaging material using a knife carefully. Do NOT cut deep into the packaging as it will damage the product. Immediately dispose of the packaging material.

Clear the area of installation. Mark corners based on dimensions to make it easier to place parts.

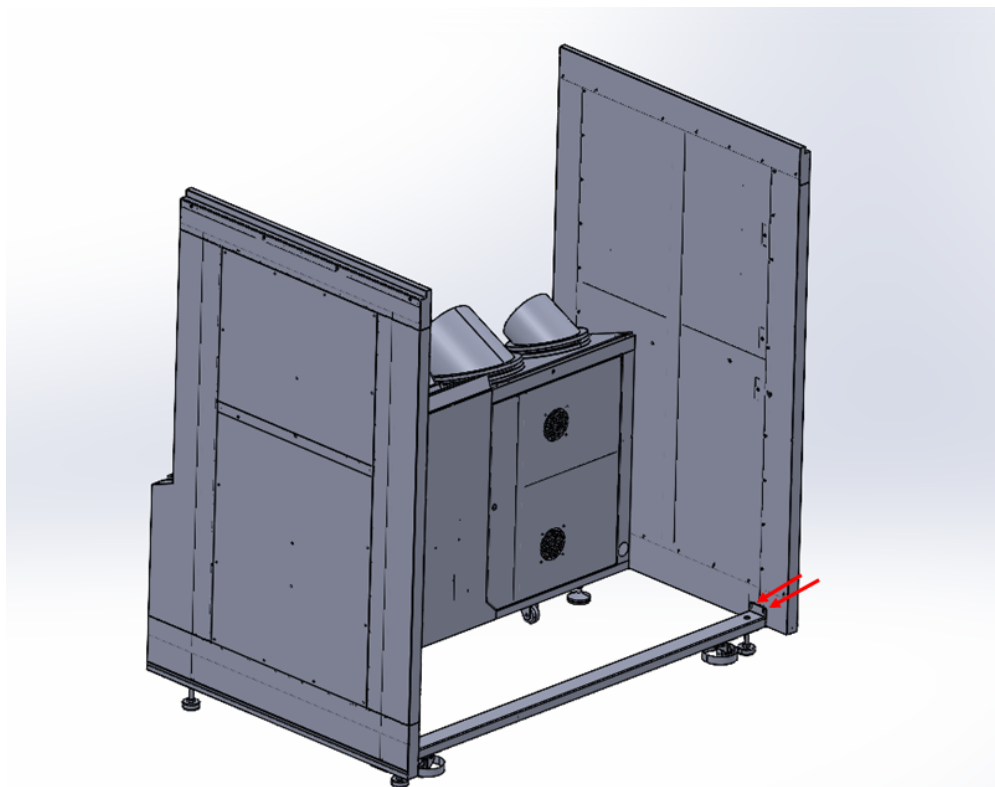
Step 1 — Position the console

Position the console somewhere with 1.5m/6ft space around it. Unlock the doors on the back. Place a wall of your choice next to the console. Carefully fetch the LED cable for the wall acrylic from the marked position and insert it into the designated hole on the console side wall. Attach the bolts to the wall from the inner surface of the console to the wall. Perform the same for the opposite side wall. Do not fully tighten the bolts.



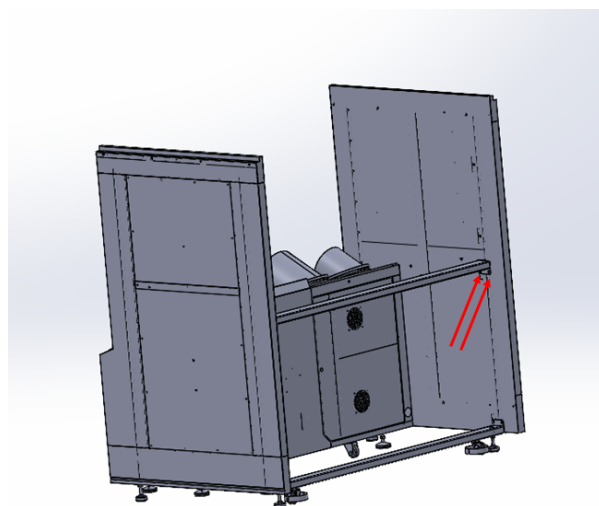
Step 2 — Bottom support beam

Install the bottom support beam in between the walls. Do not fully tighten the bolts.



Step 3 — Upper support beam

Install the upper support beam in between the walls. Do not fully tighten the bolts.



Step 4 — Screen unit installation

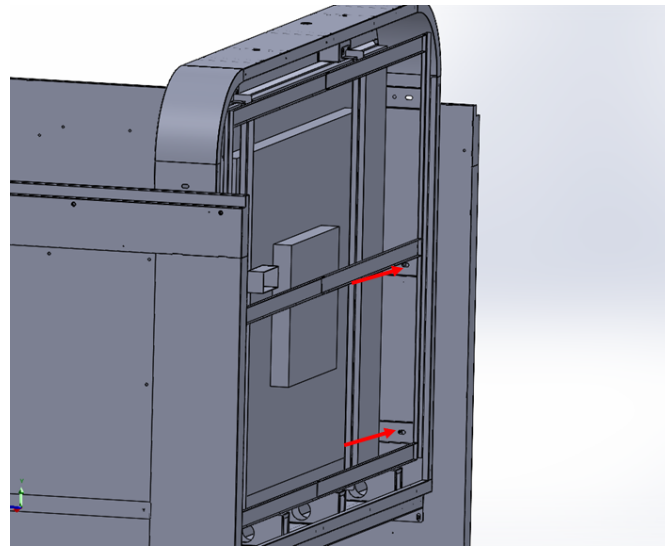
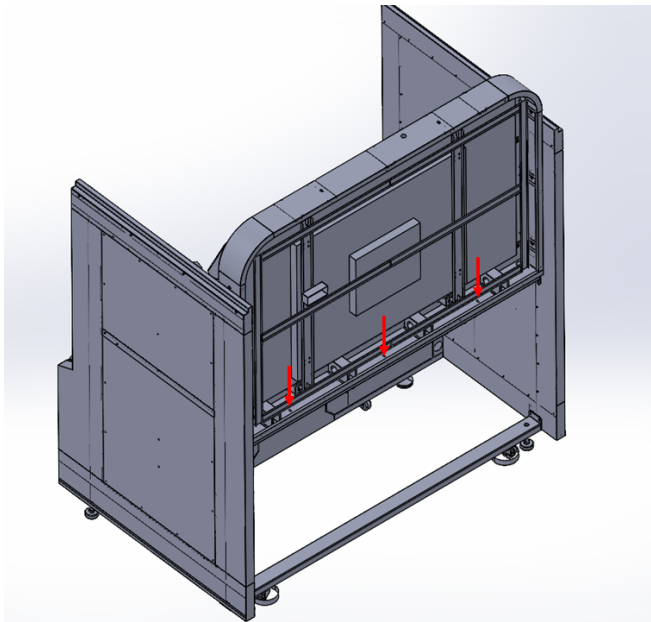
Remove the back panels of the screen unit. Carefully lift it and place it on top of the upper support beam. Slowly slide it forward on the beam until the slots on the bottom and sides of the unit match the corresponding threaded holes on the side walls and the upper support beam.



WARNING

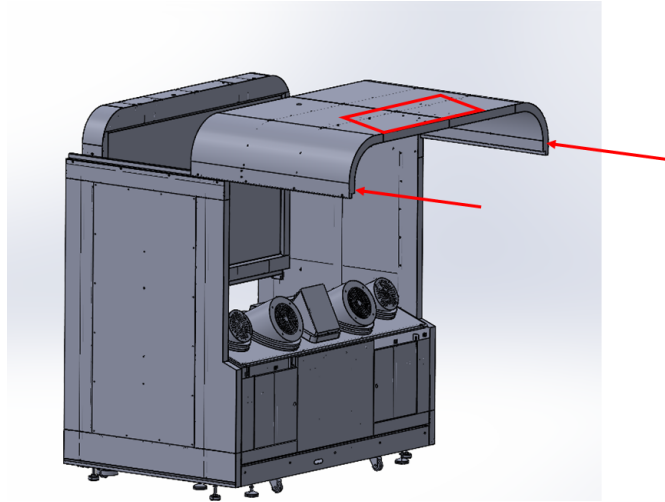
This needs to be done with caution since the screen can easily tilt towards the console and fall.

Attach the bolts to the upper support beam and side walls to secure the TV. You can now fully tighten the bolts from the previous steps.



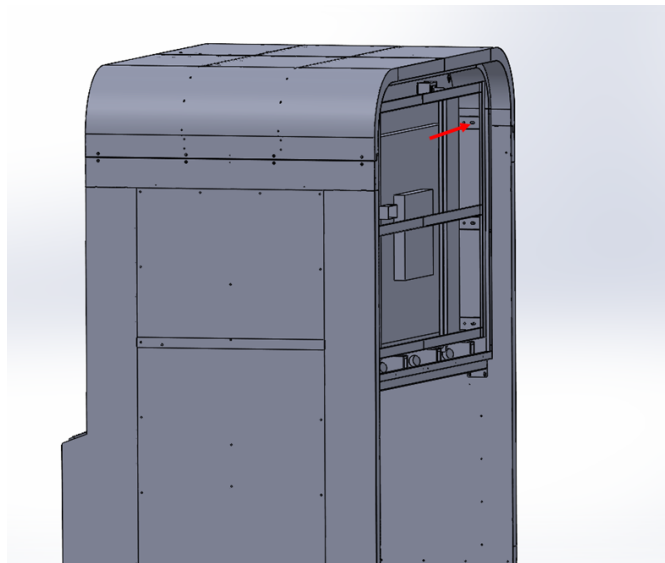
Step 5 — Roof installation

Lift the roof. Carefully place its edge on the walls. Then slide it slowly towards the screen unit until the holes on the sides of the roof are directly above the corresponding holes on the walls. The marked area in the image below represents the threaded holes for the marquee. These should be facing the console front side as shown in the image.



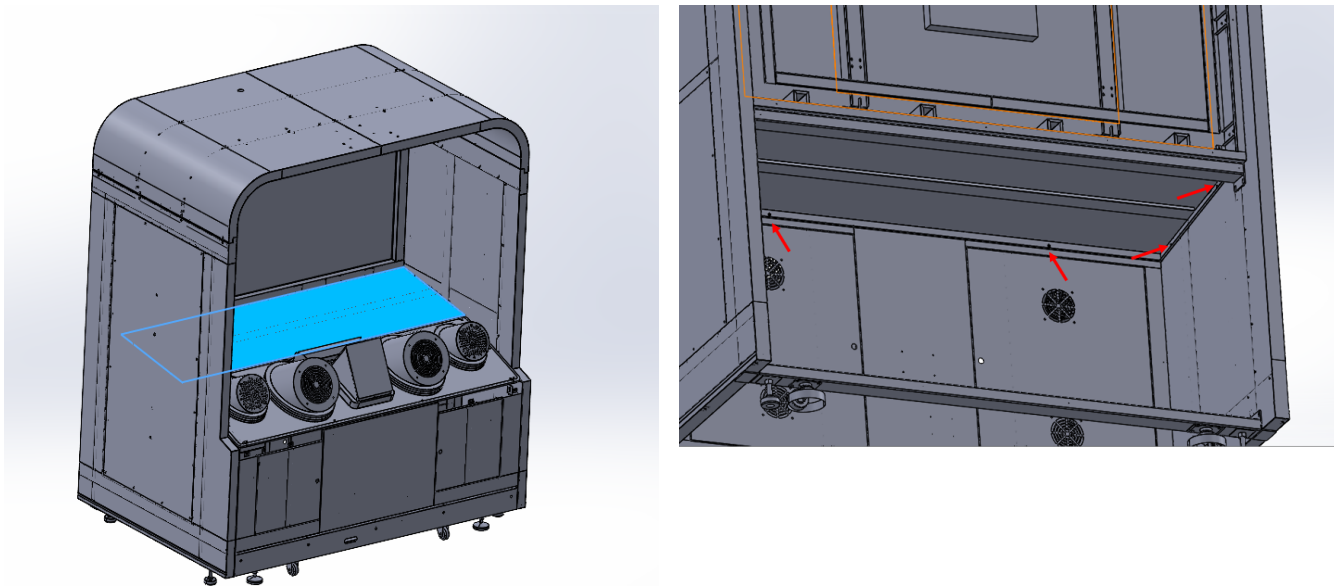
Step 6 — Roof bolts

Attach the bolts from the screen unit to the roof.



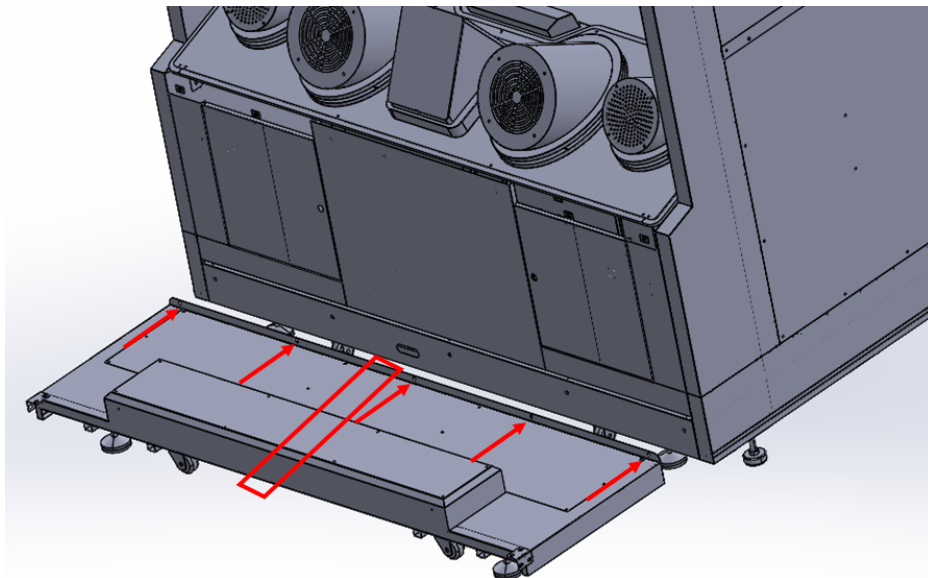
Step 7 — JW title piece

Install the part with “John Wick Continental Pursuit” print on.



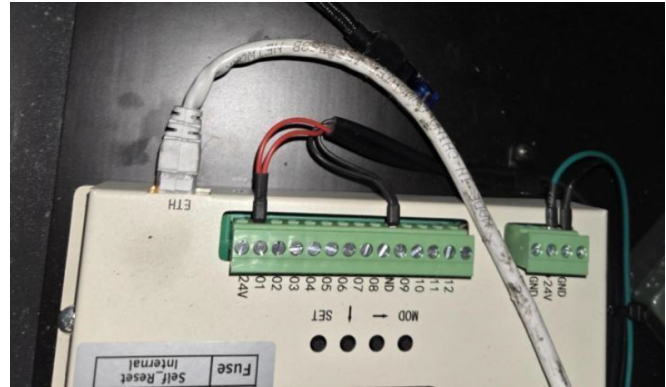
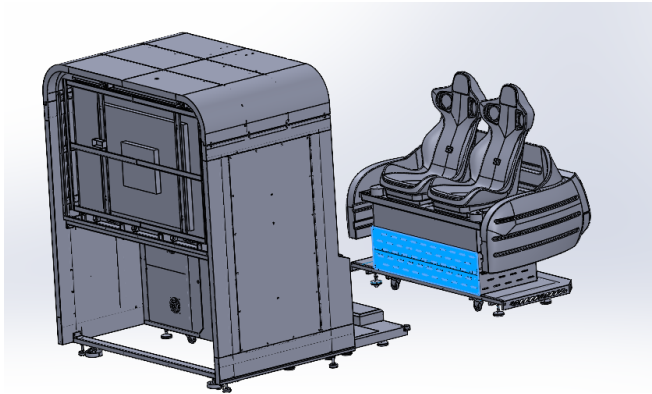
Step 8 — Cable routing

Run the ethernet cable and cable harness from the opening on the console's front side into the channel underneath the connecting plate. To make this process easier, you can run the ethernet cable through the channel first. As soon as it is out of the other side, you can then tape the harness to the ethernet cable and use it as a fisher to run the harness through the channel.



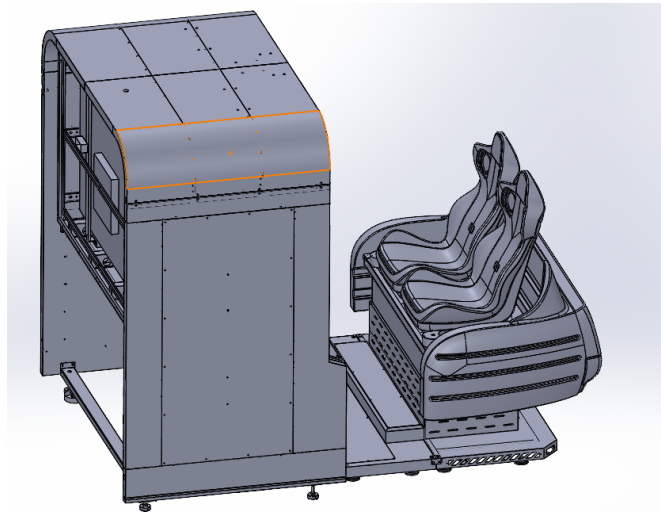
Step 9 — Motion module connections

Remove the front panel of the motion module for ease of cable connection. Connect the ethernet cable to the “ETH” port of the motion controller. Connect the pneumatic air hose to the quick connect fixture. Connect the cables harness connectors to corresponding ones inside the motion module.



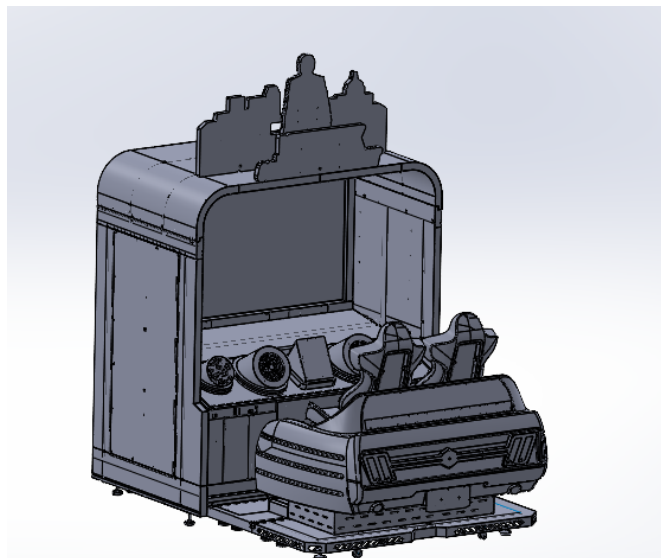
Step 10 — Reattach front panel

Install the front panel back on the motion module. Connect the motion module to the connecting platform using the “L” brackets on each side.



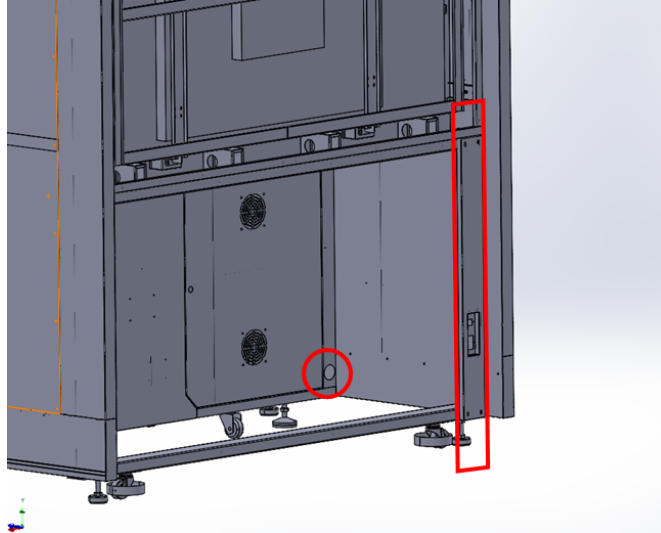
Step 11 — Top marquee

Install the top marquee as displayed in the image below. In case the marquee height is not suitable for the ceiling height, the title piece of the marquee can be installed without the silhouette and buildings.



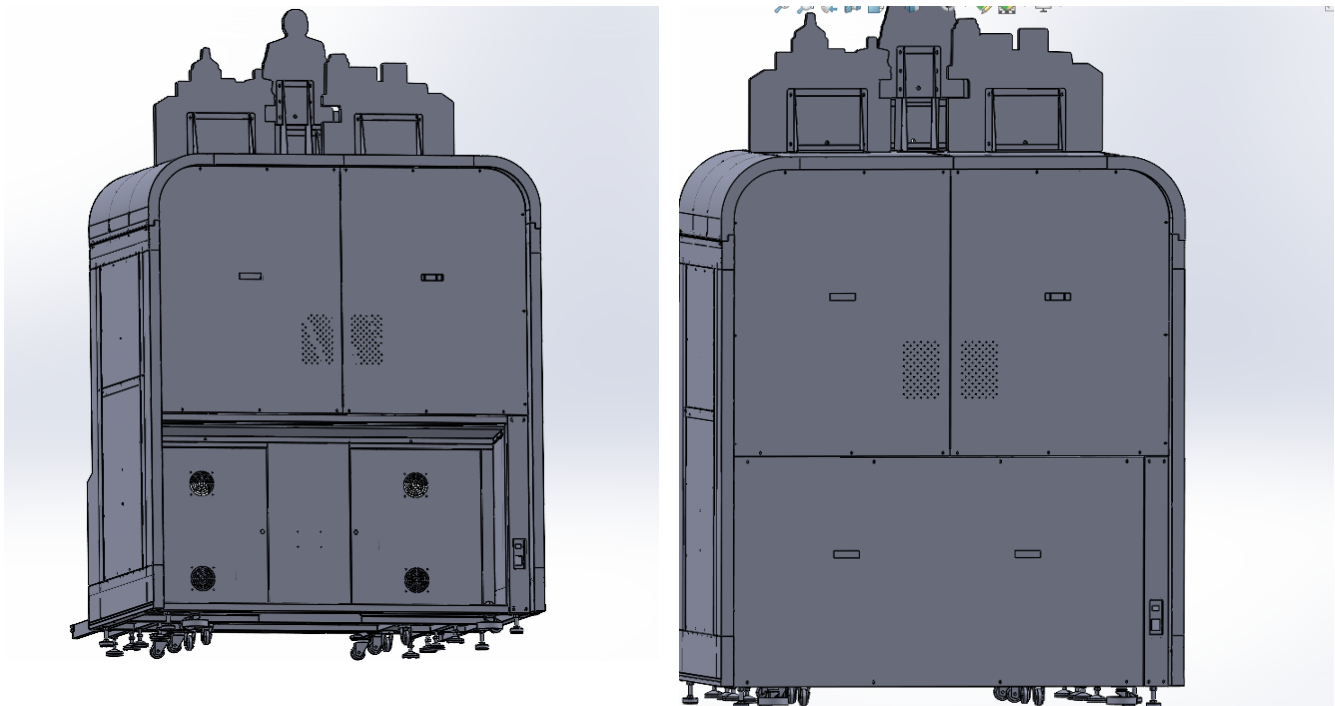
Step 12 — MCB panel

Install the MCB panel on the lower back side. Route main power cable, screen power cable, and the HDMI cable through the hole on the lower right side of the console. Do not connect the power cable yet.



Step 13 — Back Panels

Install the back panels



Step 14 to 17 — Electrical and Video Connections

- Connect the screen HDMI cable to the computer. Connect the power connector to the corresponding one inside the console. Connect the LED connector to the corresponding one inside the console. Connect the top marquee lights to the connectors inside the screen unit.
- Measure proper voltage and grounding on your main line using a multimeter. Connect the power cable and turn on the machine.
- Please take a picture of the name plate placed on the back side of the console. Record the serial number written there. The serial number will be required for the software setup and licensing of the machine.

Step 18 — Final Component Checks

Please ensure all the cables are connected and components have power. If you need to make a connection, power off the machine and unplug the power cable before doing so.



Figure 10:
Harness Connection



Figure 11:
Amplifier powered on



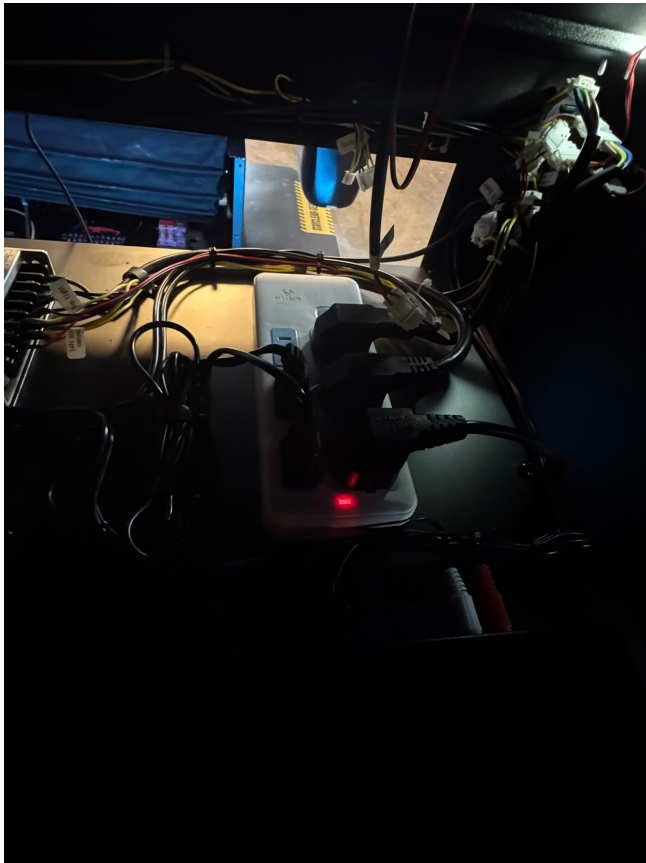


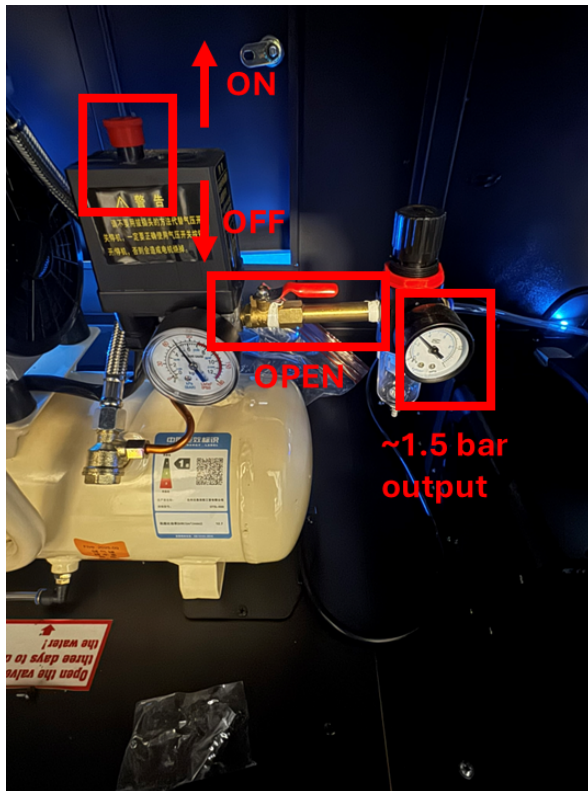
Figure 12:
Power Block light



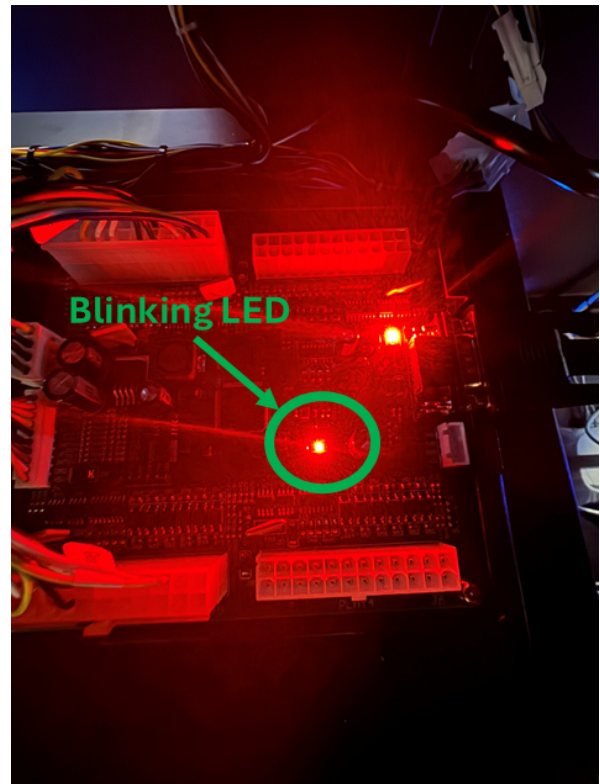
Figure 13:
Router power and ethernet cables
(some machines have the ethernet cable connected directly
between the PC and motion controller underneath the
seats)



Additional System Verifications

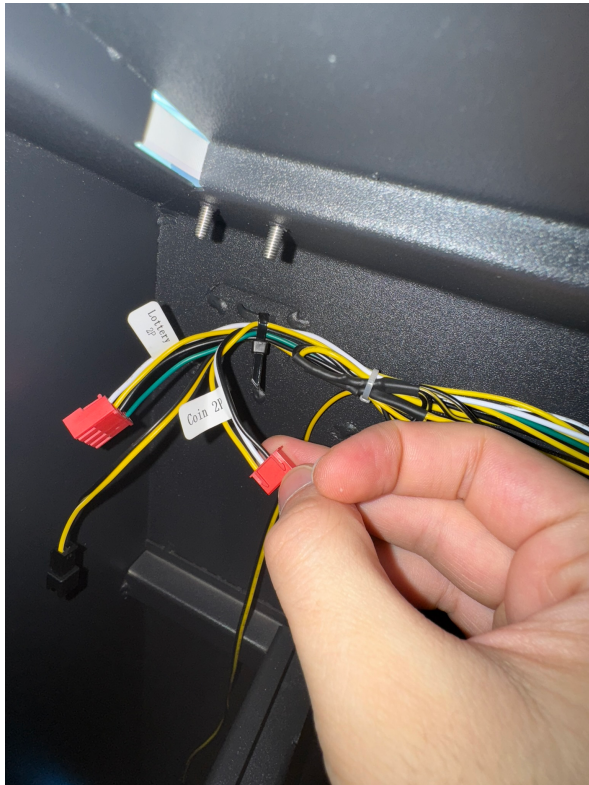


Ensure compressor is powered and turned on. Ball valve should be open. Regulator should be set to 1.5 bar output. The goal is to have minimal movement on the gun slide.



Ensure serial cable is connected to the IO board and the computer. This led should be blinking.

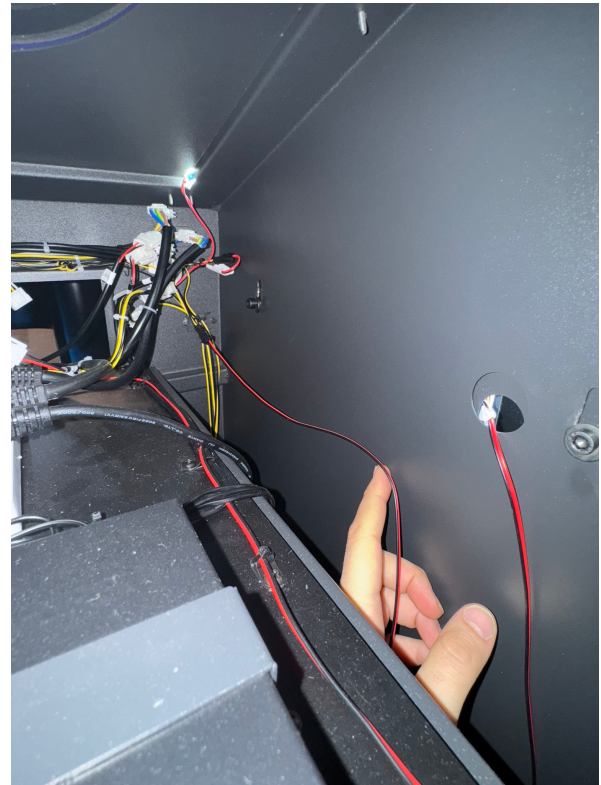




Use this connector placed above each cabinet door for card reader.

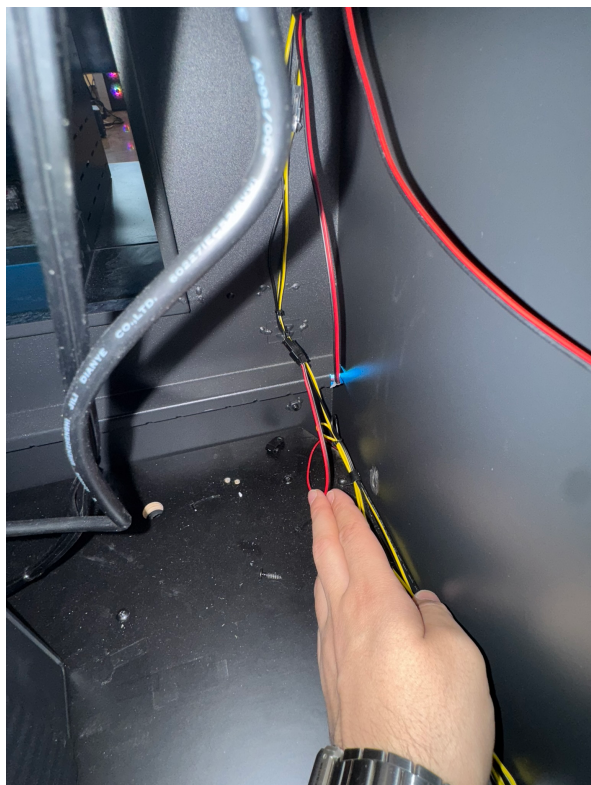
Yellow: 12V | Black: GND | White: Coin signal

We recommend using a separate power supply for the card reader.

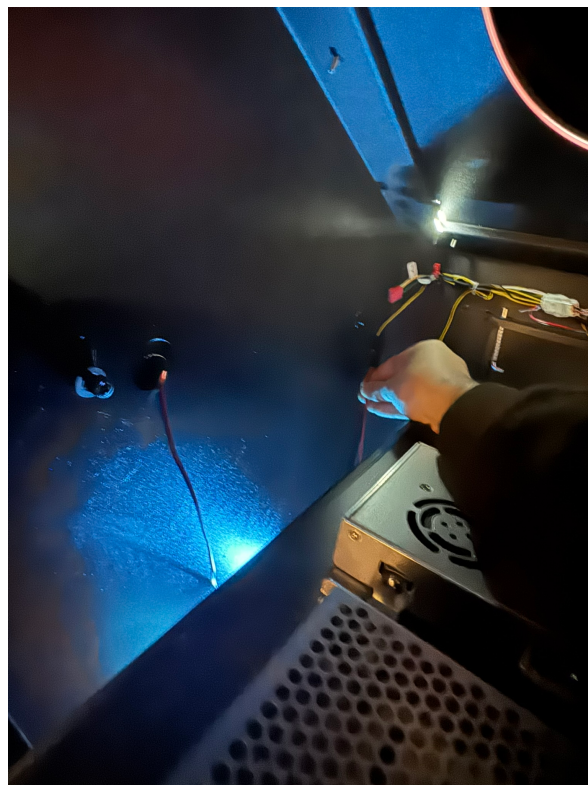


Right wall LED connector

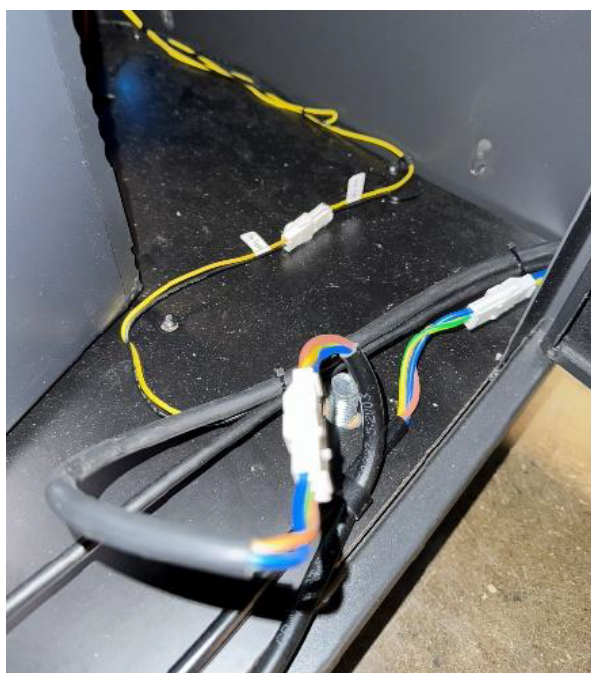




Left wall LED connector



Console Light strip connector



Main power – Screen Power – Top marquee LED



Step 19 — Software and Final Assembly

Please refer to the software installation manual. Prepare a full test on the machine. Afterwards, install the back panels of the screen unit.



7. Troubleshooting

Faults	Possible Source	Approach Solution
1. No sign of machine power	- Power Outage - Main switch off - Tripped breaker	- Check Main switch on the back of machine. Make sure it is on - Check for tripped breaker in facility breaker board - Check voltage transformer. Make sure it is on the right voltage, and the on-off button is On.
2. Machine Powers on, but the screen does not show anything	- TV power not connected - HDMI cable not connected to PC or TV - HDMI cable fault - PC issues	- Make sure power cable is connected to the TV and HDMI is connected to HDMI 2 port - Make sure PC is powered on and HDMI is connected to GPU ports - Do a power cycle
3. Audio is not available or volume is too low	- OS volume is low - Amplifier not powered - AUX cable not connected - Amplifier defects	- Connect keyboard to the PC and increase the volume. - Make sure the AUX cable is connected and amplifier is on high volume - Make sure Amplifier gain is not too low
4. Gun shoots only in one corner. It does not register shot locations	- Unplugged sockets - Infrared light interference - Camera connection	- Make sure that there are no infrared light sources shining on the machine. CCTV cameras have very strong infrared lights. - Open the bolts on the side of the gun and make sure there are no unplugged sockets - Ensure camera usb cable is connected to USB 3.0 port on the computer - Ensure the LED driver board next to the main IO board is connected to a USB port on the computer
5. Gun does not recoil	- Unplugged Socket - Air flow issue - Compressor issue - Friction	- Make sure the pneumatic hose connection is present from the compressor all the way to the gun - Check the solenoid valve and make sure it is triggered when gun is shot - Check compressor power and pressure on the pressure gauge - Check if the ball valve is in open position and pressure regulator is set to 3-3.5 bar output - Make sure compressor output valve is not in closed position



Faults	Possible Source	Approach Solution
		Lubricate the linear mechanism of gun recoil using WD-40
6. A part of LED not working	Wrong Connection	The led cables are connected in daisy-chain manner. Make sure you have connected them correctly
7. There is no motion	- Ethernet cable connection - Router off defective* - Tripped breaker on the seat - Motion stop button is pressed * some machines have a direct cable connection(no router)	- Make sure the ethernet cable is connected to the controller correctly - Make sure the ethernet cables are connected to the router and the router is functioning - Make sure Ethernet cable is connected between the PC and the router - Check for tripped breakers under the seat module



8. Contact

For any technical service requests, please contact us at **support@bluemotion.games**

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