Fast Racing

MANUAL

⚠ **Warning**

* Please read the manual before installation and use.

* Please put the manual together with the machine.

ACE Amusement Technologies Co., Ltd.

ADD: #5 Building, No. 6, HengFeng 6th Road,
 Gangkou Town, Zhongshan City, Guangdong,
 P. R. China   PC: 528447
TEL: (+86) 760 8848 8920
E-Mail: Sales@ACE-Amusement.com
Web: www.ACE-Amusement.com

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Introduction to the Product

Fast Racing is a new indoor medium and high-end car racing simulation game machine developed by our company. It is an entertaining and competitive game that is suitable not only for kids and teenagers, but also for adults. Players need to perform stunts, pick up props to attack opponents and collect nitrogen to accelerate to win the race.

In the game, players can choose different cars and characters, each with unique abilities and stunts. Players need to use these abilities flexibly during the race and quickly get rid of their opponents by performing stunts and using nitrogen to accelerate.

The pace of the game is tight, exciting and fun. The game's scenes are beautifully detailed and the sound effects are just right, giving players an immersive feeling. In addition, the game also has an online function, players can compete with other players in the store, enjoy the fun of racing.

➢ Small machinery products;

➢ The game play is novel, exciting, highly interactive, and highly entertaining;

➢ The appearance design is artistic, the pattern is bright and delicate, and the materials are strong and endurable;

➢ Adopt integrated circuit, built-in program, stable working performance, good safety and reliability;

➢ Adapt to universal tickets;

➢ The standalone control computer is stable and reliable.

I Specifications and Technical Parameters

1) Operating voltage: AC220V - 240V, 50/60 Hz (or AC 110V±5%, 60Hz. For the specific voltage, see the nameplate on the machine).

2) Dimensions: W212 × D242× H232 (cm)

3) Maximum power: 1600W

4) Ambient condition: Temperature (indoors): 0°C～35°C;

5) Humidity: ≤90%;

6) Atmospheric pressure: 86Pa～106Pa.

⚠ **Warning:** After turning off the machine, please wait 1 minute if you want to turn it on.

232cm (91.3")

212cm (83.5")

242cm (95.3")

II Accessory List

For the normal use of the machine, please open the package and carefully check whether the following items are included.

The accessory list is below:

Name	Unit	QTY	Picture	Equipment
Manual	Copy	1		
Power cord	Piece	1		
Fuse 10A	Piece	5		Fast Racing
AA32 Key	Piece	2		
AA33 Key	Piece	2		

Please open the package and check whether all accessories are included. If not, please contact the distributor of the machine for check.

III How to Move and Position the Machine

(I) How to Move the Machine

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

(II) How to Position the Machine

➢ Please place it on flat ground where it won't slide easily;
➢ Please use the following foot to fix the machine (as shown below)
1. Loosen the tightly locked nuts of the foot, tighten the bolts of the foot with a wrench, and keep the trundle approximately 5mm away from the ground.
2. Tighten the nuts clockwise and fix them.
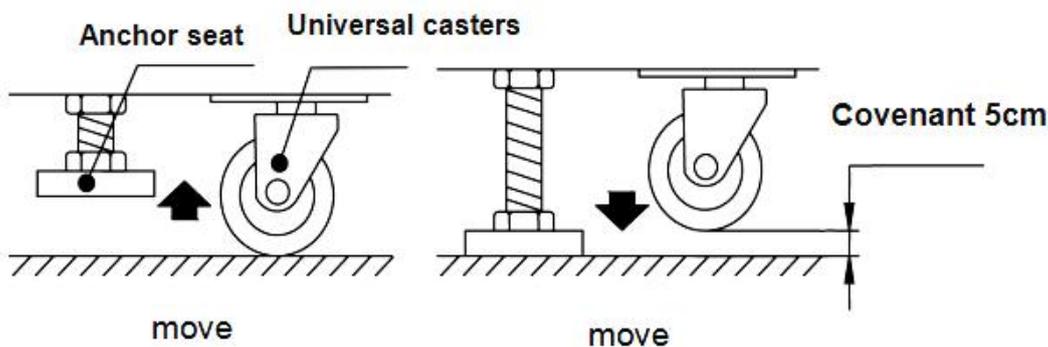
(III) Product Placement

Do not place the product in the following places:
➢ Place in which the machine may have condensate water or with high humidity;
➢ Place close to high-temperature objects;
➢ Place close to dangerous substances;
➢ Smooth or unstable place;
➢ Place close to equipment that may easily produce sparks;
➢ Place with heavy vibration;

⚠ **Caution:** Please unplug the power plug before moving to prevent accidents and faults.

Please take care not to damage the power cord during moving to prevent accidents and faults.
Please raise the foot to the maximum height before moving to prevent accidents and faults.

(IV) Installation Location Dimension

The machine should be placed according to the following dimensions for customers' safety and enough space to run the machine.

Game area:
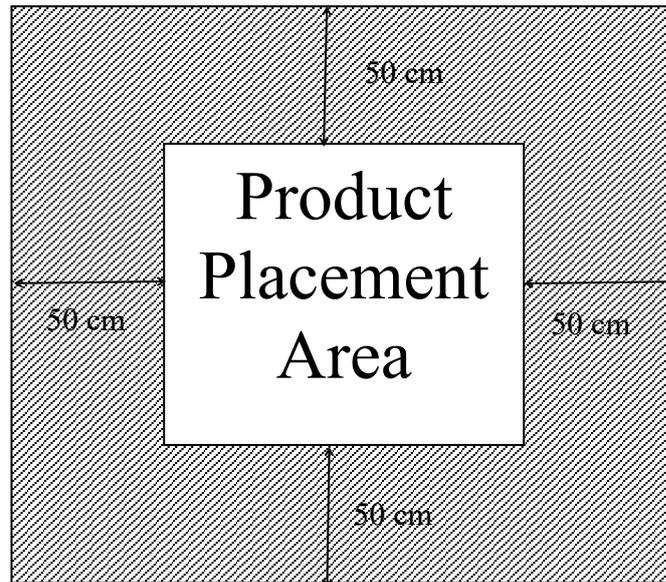
IV Wiring and Precautions

➢ Connect one end of the cable to the terminal box of the machine, and connect the other end to the socket.

➢ Connect the power supply according to the voltage (110V or 220V) on the label, or the machine might be damaged.

➢ Please confirm whether there is grounding in the socket to avoid unnecessary damage.

➢ If the grounding cannot be done through the socket, please try other methods.
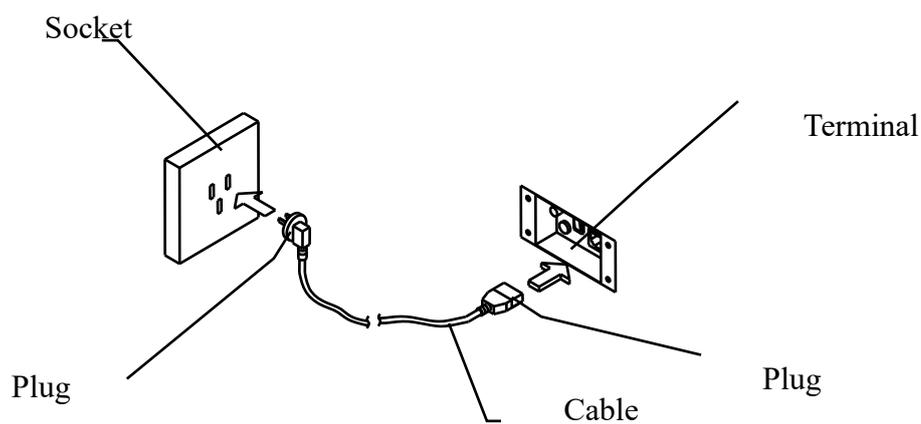
V Instructions on Game

(I) Game Logo/Standby Image

(II) Game Interface

1. Insert coin or swipe card to enter the game on the standby screen.
2. Use the steering wheel and confirm button to make selections.
3. Choose the mode, map, and character you want to play, then enter the game.

Selecting mode

Selecting map

Selecting character

(III) Multiplayer Instructions

1. Insert coins into the 1P and 2P slots simultaneously with players who need to join the online game.
2. On the mode selection screen, select the online game tab at the same time as another player.

3. After entering the online game, the joined players will be displayed. The two players can choose different teams to compete against each other or select the same team to play cooperatively.

Joined player

4. The player who inserts coins first to enter the online mode will become the host, and only the host can select the map.
5. After both 1P and 2P have selected their characters, the game can start.

(IV) Gameplay

1. Use the steering wheel to control the vehicle and press the gas pedal to accelerate.

2. Control the vehicle to accelerate onto the ramp.

3. Collect items to defeat your opponents.

3. While the vehicle is in the air, you can accelerate and collect nitro.

4. Taking shortcuts can give you a greater advantage.
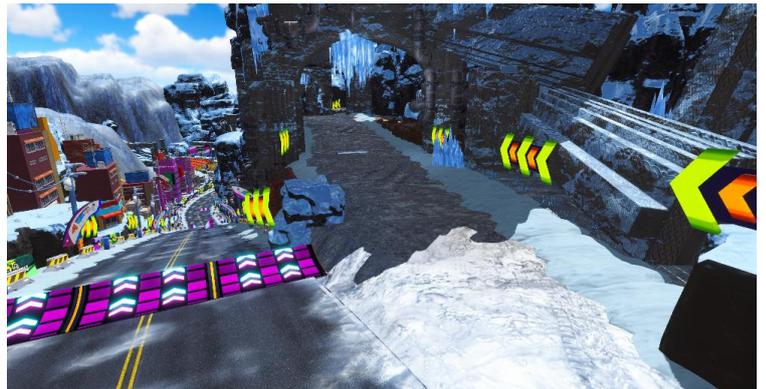
4. Increase the steering wheel angle during turns to trigger a drift effect.

VI Adjustment of the Game Program Setting
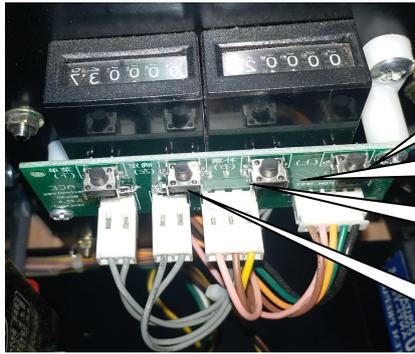
Option	KEY1	Test
	KEY2	Service
	KEY3	Lottery machine repair
	KEY4	Confirm

(I) Main Page

1.Revenue Data: Check the cost, tickets dispensed and playtime.
2.Game running setting: Set up number of insert-coin per game, ticket-out and
3.Basic function setting: Set up volume of the game, Standby music etc.
4.Hardware Test: Check whether the input and output of the hardware are normal.
5.Exit: Hold this adjustment and exit from the background.
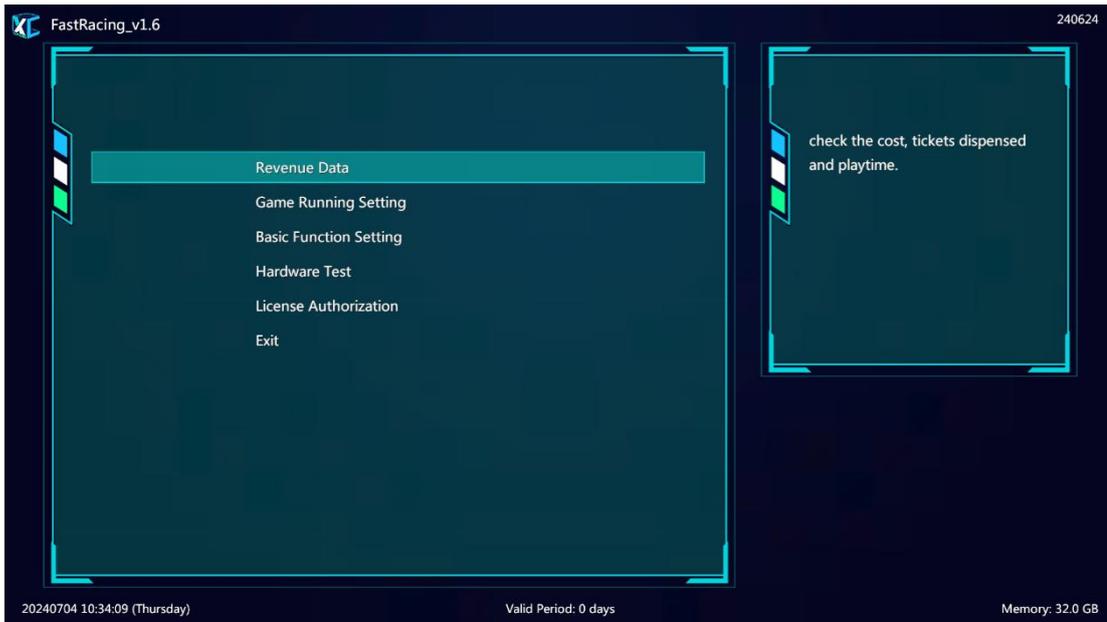
(II) Revenue Data

1.Current month data review: Reviewing current month's revenue data.
2.Historical data review: Enter and select year to review revenue data by month; Select month to review everyday revenue data.
3.Clearance of the data: Clear all the data, unrecoverable.
4.Clear ranking data: Clear all names and scores of the ranking list without recovery.
5.Clear the missing tickets: clear the hint of the missing tickets.
6.Get back: Get back to the main page in the background.
Total coins credits:
Total tickets dispensed:
Total playtime:
Accumulated coins:
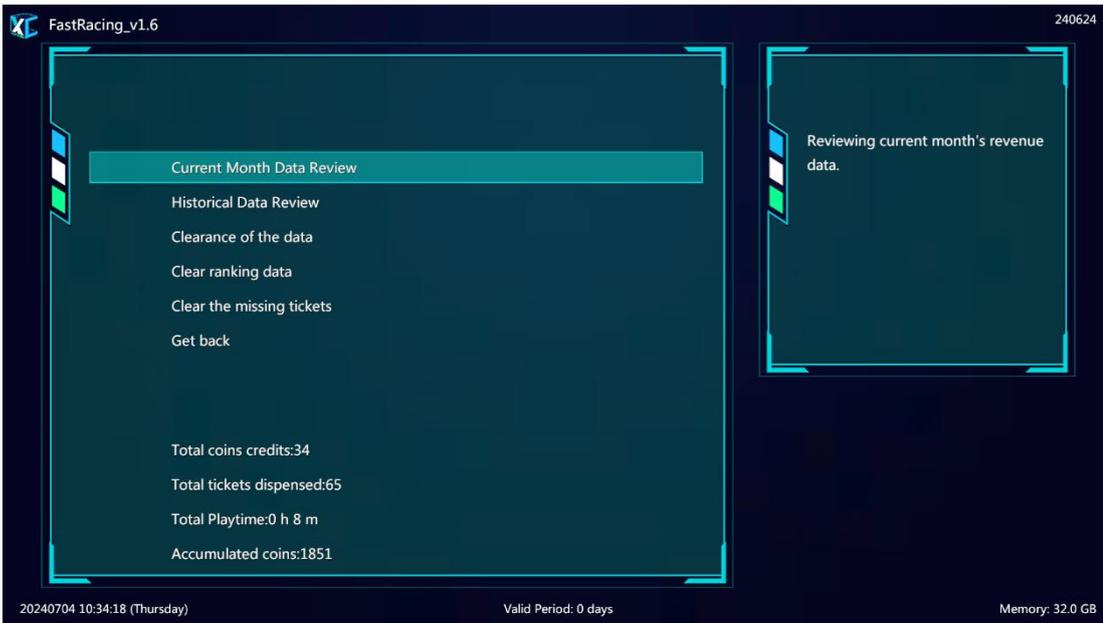
(III) Game Running Setting

1.Coins per round: The amount of the coins determines how many times you can start a game.
2.Tickets payout switch: Set up tickets payout.
3.Tickets for the 1st place player The number of tickets that the first place player can receive.
4.Tickets for the 2nd place player: The number of tickets that the second place player can receive.
5.Tickets for the 3rd place player: The number of tickets that the third place player can receive.
6.Tickets for the other player: The number of tickets that the other ranked player can receive.
7.Speed unit: Adjust the display of speed and distance to use either metric (KMH) or imperial (MPH) units.
8.Bonus game: Game rewards for winning games.
9.Take photo: Take player avatar.
10.Get back to the main page: Get back to the main page in the background.
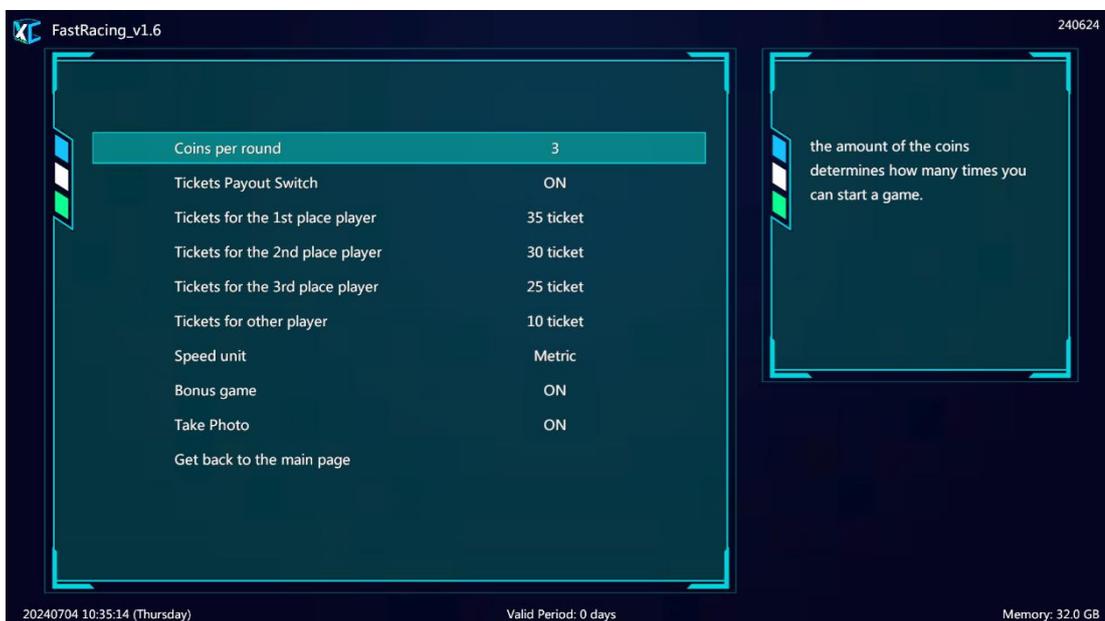
(IV) Basic Function Setting

1.Language choice: English
2.Volume of the game: Music in the game and its volume.
3.Standby music: Whether music is played when the title and standby picture are played.
4.Save the game cost: Whether the game cost is saved after shutdown or outage.
5.Data and time setting
6.Default setting: All options in the background will recover to the factory setting.
7.Get back to the main page: Get back to the main page in the background.
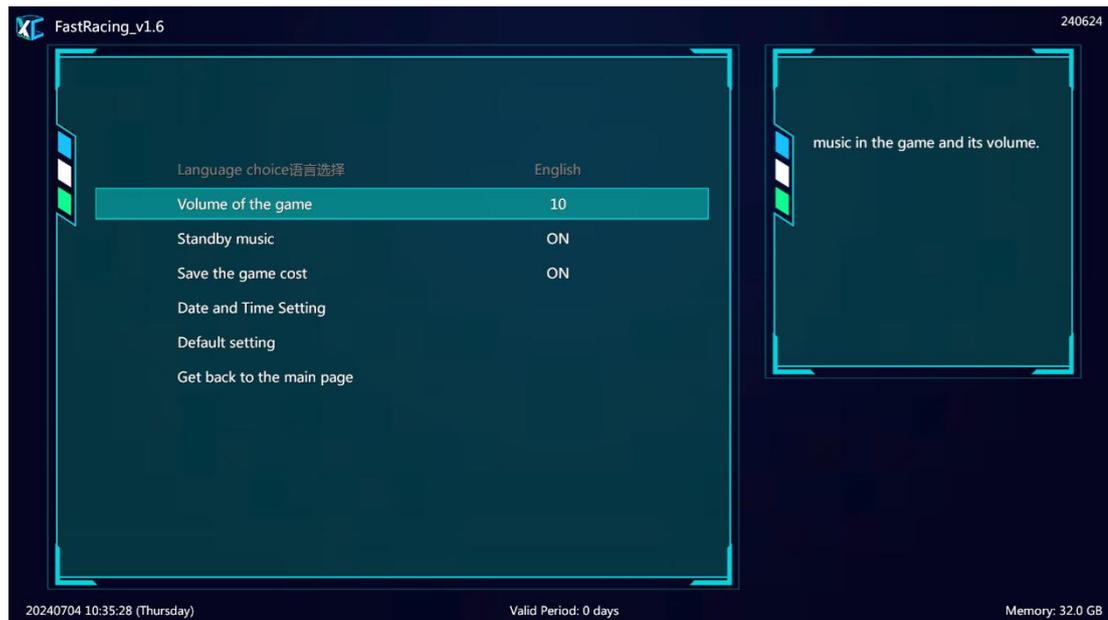
(V) Hardware Test

1.Output Detection
2.Input Detection
3.P1 steering wheel and gas pedal calibrations
4.P2 steering wheel and gas pedal calibrations
5.P1 Photo camera setting
6.P2 Photo camera setting
7.P1 sound test(ON/OFF)
8.P1 sound test(ON/OFF)
9.Motion Control(ON/OFF)
10.Motion Auto-Recovery(ON/OFF): When it's set ON: the vibration will be recovered automatically on next game after the emergency stop button is pressed(function switched OFF);When it's set OFF, the vibration needs to be recovered manually on next game after the emergency stop button is pressed.
11.Air Blower(ON/OFF): Turn on or off the air blower device that blows air to the player during the game
12.Human Detection
13.Get back to the main page
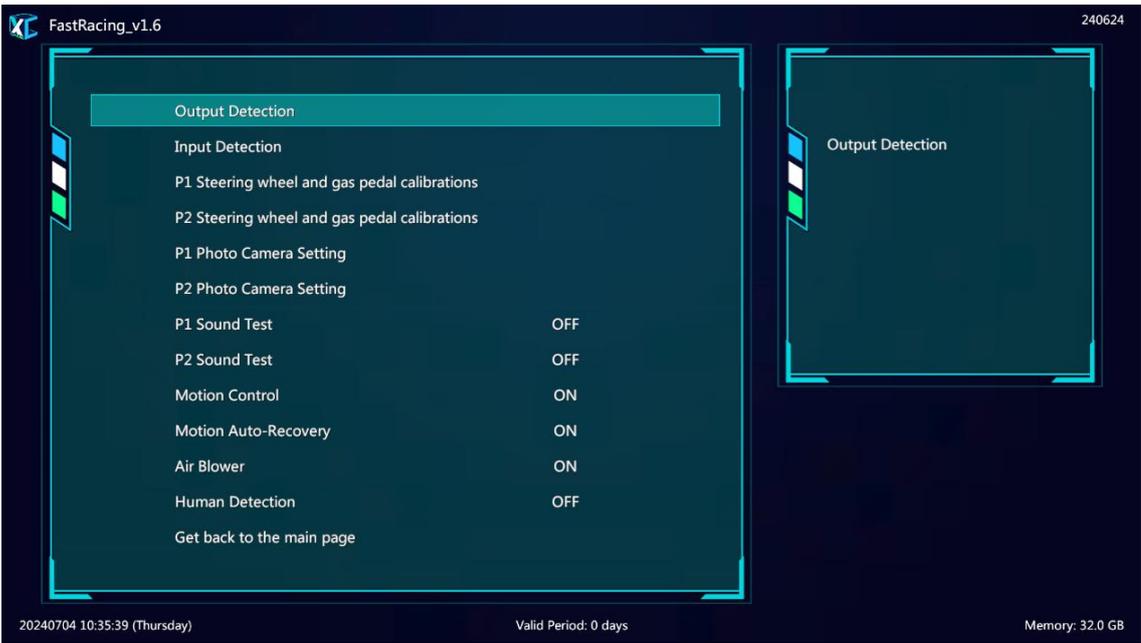
(VI) Output Detection

[Hardware test]>[Output Detection]	
1.P1 Tickets out detection(5 tickets)	10.P2 Tickets out detection(5 tickets)
2.P1 Blower(ON/OFF)	11.P2 Blower(ON/OFF)
3.P1 steering wheel vibration(Closure/TurnLeft/TurnRight)	12.P2 steering wheel vibration(Closure/TurnLeft/TurnRight)
4.P1 steering wheel light(Closure/AlwaysON/Flashing)	13.P2 steering wheel light(Closure/AlwaysON/Flashing)
5.P1 stop motion button light(Closure/AlwaysON/Flashing)	14.P2 stop motion button light(Closure/AlwaysON/Flashing)
6.P1 Pneumatic-Front-Left(ON/OFF)	15.P2 Pneumatic-Front-Left(ON/OFF)
7.P1 Pneumatic-Front-Right(ON/OFF)	16.P2 Pneumatic-Front-Right(ON/OFF)
8.P1 Pneumatic-Back-Left(ON/OFF)	17.P2 Pneumatic-Back-Left(ON/OFF)
9.P1 Pneumatic-Back-Right(ON/OFF)	18.P2 Pneumatic-Back-Right(ON/OFF)
19.Get back to the main page	
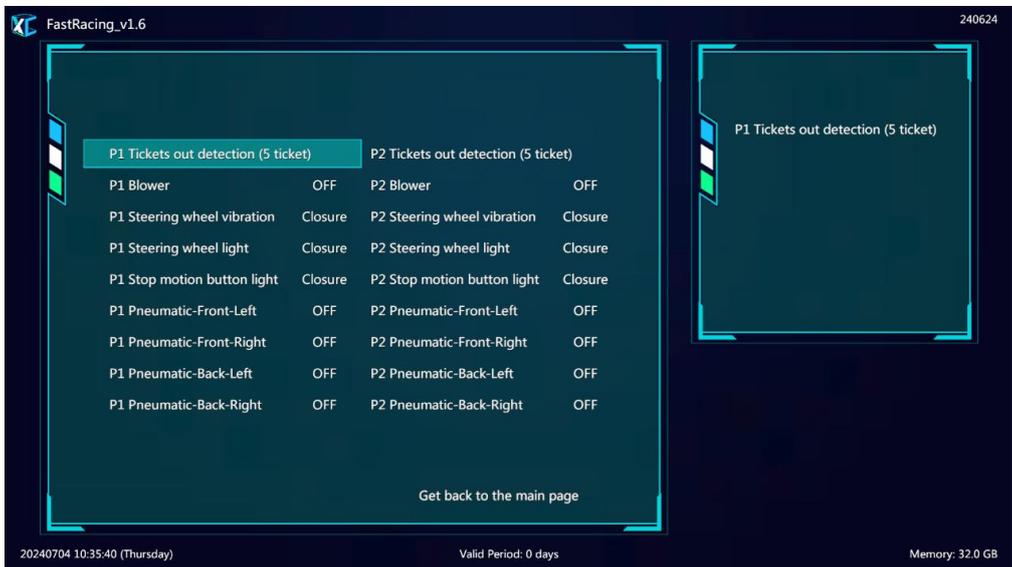
(VII) Input Detection

[Hardware test]>[Input Detection]	
Press option key to exit	
Input Detection	
P1coin credits:-	P2coin credits:-
P1steering wheel button:-	P2steering wheel button:-
P1Emergency stop button:-	P2Emergency stop button:-
P1Human:-	P2Human:-
P1Steering wheel position:	P2Steering wheel position:
P1Gas pedal:-	P2Gas pedal:-
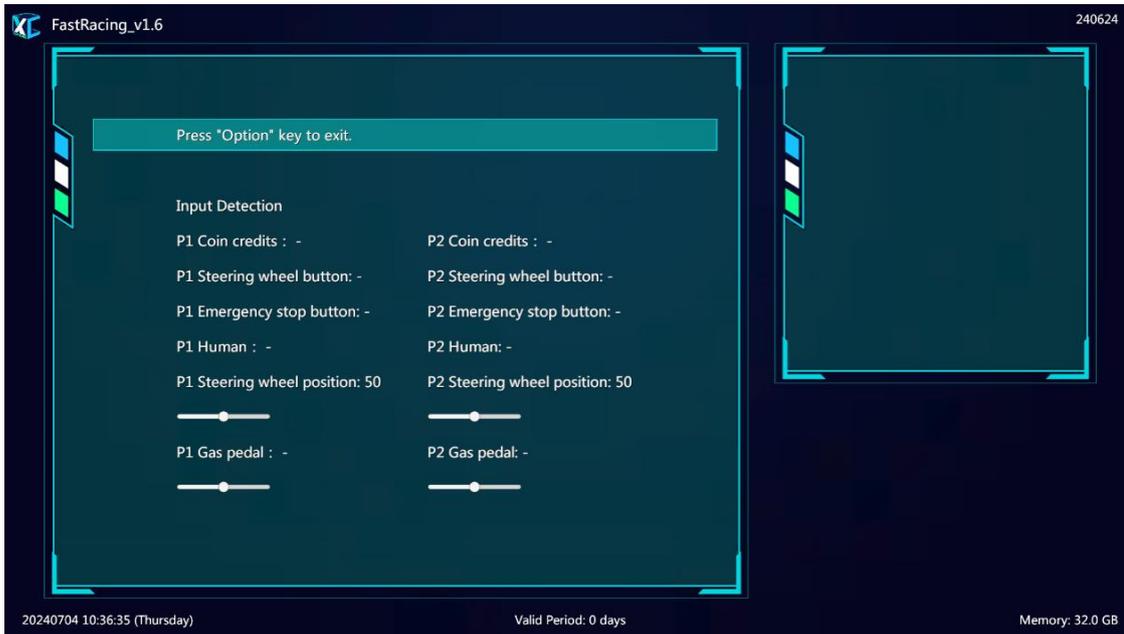
(VIII) Steering wheel and gas pedal calibrations

[Hardware test]>[Steering wheel and gas pedal calibrations]
P1 P2 Steering wheel calibrations
1.Steering wheel center position: Please center the steering wheel, then press the confirmation button.
2.Steering wheel fully left turn: Please turn the steering wheel fully to the left, the press the confirm button.
3.Steering wheel fully right turn: Please turn the steering wheel fully to the right, then press the confirm button.
P1 Gas pedal calibrations
4.Gas pedal fully release status: Please fully release the gas pedal, then press the confirm button
5.Gas pedal fully step status: Please fully step on the gas pedal, then press the confirm button
6.Get back to the main page
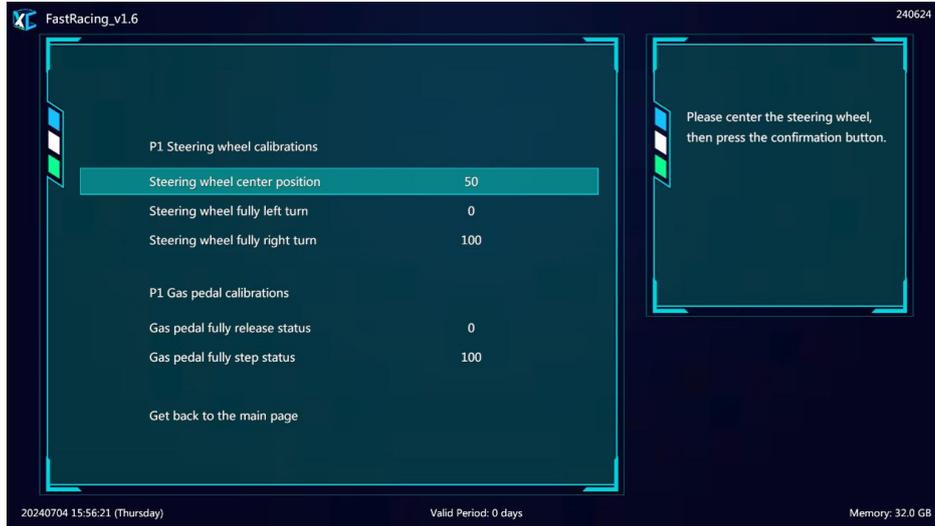
(IX) 1P 2P Photo Camera Setting

[Hardware test]>[1P 2P Photo camera setting]
1P 2P Photo camera setting
1.Zoom in and Zoom out: Zoom in and out of the photo area.
2.Move left and right: Move the photo area left and right.
3.Moving up and down: Move the photo area up and down.
4.Get back
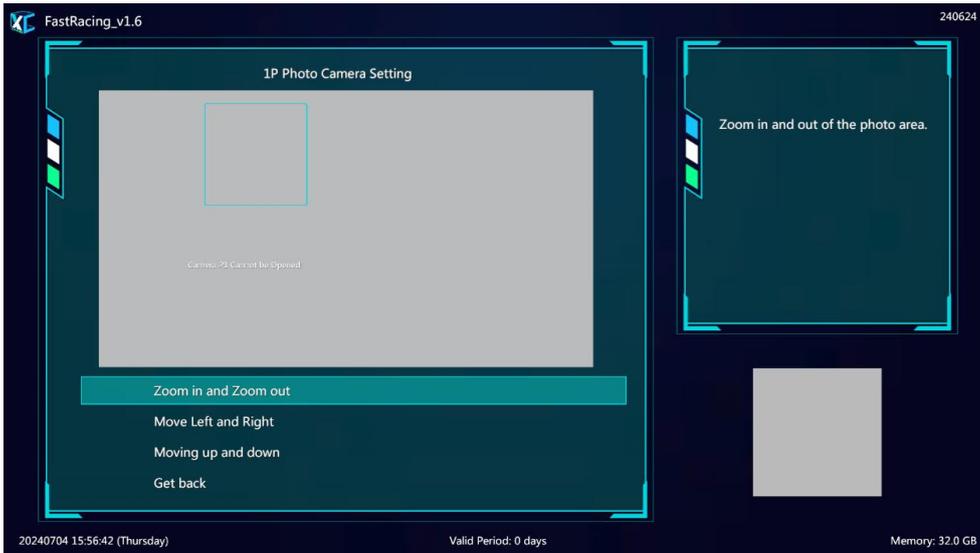
(X) Default Setting

[Game running setting]
1.Coins per round: **3**
2.Tickets payout switch: **OFF**
3.Tickets for the 1st place player: **35**
4.Tickets for the 2nd place player: **30**
5.Tickets for the 3rd place player: **25**
6.Tickets for the other player: **10**
7.Speed unit: **KMH**
8.Bonus game: **ON**
9.Take photo: **ON**

[Basic function setting]
2.Volume of the game: **10**
3.Standby music: **ON**
4.Save the game cost: **ON**

[Hardware Test]
1.P1 sound test: **OFF**
2.P1 sound test: **OFF**
3.Motion Control: **ON**
4.Motion Auto-Recovery: **ON**
5.Air Blower: **ON**
6.Human Detection: **ON**

VII Fault Analysis and Maintenance

(I) Installation and Commissioning

➢ Please check the components according to the list to assemble components before installation.

➢ After installation, plug the cable and turn on the machine to check whether each part runs normally. If no, immediately turn off the machine for troubleshooting.

(II) Appearance Inspection

➢ To ensure the safe use of the machine, please check the following before startup.

➢ Whether the warning sign is intact, visible and stuck correctly.

➢ Whether parameters of power supply are consistent with the requirements of the machine.

➢ Whether screws of each component and components of the steering wheel are loose.

➢ Whether the connectors and terminals are loose.

➢ Whether the machine is placed stably; whether the adjustment of the casters and the top foot are proper.

➢ Whether the machine is placed in the proper area.

(III) Running Inspection

➢ Whether the speaker works normally.

➢ Whether the daylight lamp and the button light are on.

➢ Whether the image is clear and normal.

(IV) Maintenance

➢ Before operation, test run must be done before the machine is used.

➢ When there is dirt on the machine, wipe it with a soft cotton cloth with detergent.

➢ After the new machine has been used for one month, check whether each part runs normally.

➢ Often check the machine.

➢ The machine must be cleaned and maintained once a month.

➢ Screen PVC will crack and wear in the use process, please check and clean once in a week.

VIII Fault Analysis and Troubleshooting

Fault phenomena	Main cause	Corrective action
After the machine is powered on, nothing happens and the screen is not lit.	The power supply is inconsistent with the machine's parameters.	Please check whether the power supply is consistent with the machine's parameters.
	Fuse is burnt out.	Please replace the fuse.
	The power supply is not connected.	Please confirm 110V~220V power supply is connected and the power switch is on
	The signal wire of the display is not connected or damaged.	The signal wire of the display is not connected or damaged.
The machine is not powered on.	Check whether the input of the 110V~220V power supply is right. The short circuit is not allowed.	Please check whether the voltage of the circuit board inside the machine is abnormal.
The control panel is not powered on	Check whether the output of 12V of the power supply box is normal.	Please adjust the cable to the correct position.
The display has no raster.	The cable of the display might fall off or be loosen due to vibration.	Please check the power supply circuit or replace the power line.
	The display is not on..	Turn on the machine again manually.
The power is off on the midway.	The circuit protector generates an action and the power switch is turned off (Note: The circuit protector cuts off the current when the abnormal current flows).	Please turn on the power switch again. When the circuit protector repetitively acts, it indicates that the machine is abnormal. Please contact the dealership.
After the product is powered on, the display is a white screen without any image or sound.	The host machine does not work.	Manually start the power start button of the host machine.
		The host power is bad or replaced.
		The motherboard memory bank is bad or replaced.
		The motherboard is bad. Please contact professional and manufacturer.
Pressing start key cannot start the game.	The start button holder is loose, and the switch line is loose.	The button holder is broken or replaced, the switch wire is pressed, and the start button switch is broken or replaced.
No response to coin collector.	The coin collector is damaged.	Replace coin collector.
	The signal line of the coin collector is loose.	Check if the signal line of the coin collector is loose.
	IO control board is damaged.	Replace IO control board.
Coins are blocked in the coin collector	The sample coin is not placed well.	Please check whether the sample coin is placed well, or try another sample coin.
	The coin slot is not aligned or deformed.	Please check whether the coin slot is

		aligned or deformed, and adjust coin slot.
	The coin collector is not assembled properly. The red braking bar above the coin collector is pressed.	Please re-insert it into the coin collector.
The coin collector does not score.	Check whether there is signal feedback.	Please re-connect the coin collector. It will make a sound if there is signal.
	The connected target board is not connected to the pull-up resistor.	Please connect the pull-up resistor.
	Check whether the token in the coin collector is the same with that inserted in the coin collector.	Please replace it with the proper token.
	The gear of the switch (normally on and normally off) is incorrect	Please check whether the gear of the switch (normally on, normally off) is correct.
	The socket outlet of the coin connector is in poor contact.	Please check whether the socket outlet of the coin connector is in poor contact.
The speaker does not make a sound.	Whether the circuit board of the power amplifier is powered on.	Please turn on the switch of the amplifier circuit board to power on
	The volume is too low.	Please turn the volume up.
	Whether the audio connection port falls off or is damaged.	Please re-connect the audio connection port.
	The circuit board of the power amplifier goes wrong.	Please replace the circuit board.
	The speaker goes wrong.	Please replace the speaker.
No lottery fed.	The ticket machine goes wrong or the switch is turned on wrongly.	Please replace the ticket machine or set the switch to the factory settings.

IX Error Message

COM1 ERROR

1. **Cause:** Disconnection with the IO board.
2. **Solution:** Restart the machine, and press the reset button on the IO board (there is only one button on the board).

TICKET ERROR

1P Tickets Owed:
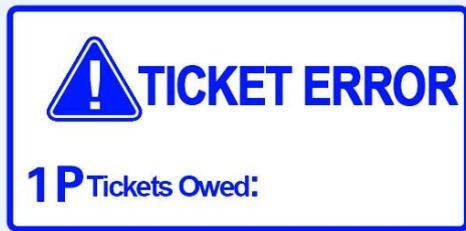
1. **Cause:** No enough lotteries, or the ticket machine is damaged.
2. **Solution:** Replenish lotteries; replace the ticket machine.

⚠ Warning:

➢ **Cut off the power supply for maintenance and repair of the machine.**
  To prevent short circuit, relevant personnel should cut off the power supply when touching internal components of the machine. If the operation requires power supply, it should meet the requirements of the manual.

➢ **Use proper parts for replacement.**
  Improper parts may cause short circuit, and damage of the main board and the components.

➢ **Do not disassemble, assemble and change the equipment randomly.**
  It may cause short circuit and machine failure, and even fire disaster.

➢ **Do not place vases, cups and containers with water, chemicals or heavy objects on the machine.**
  The spilt liquid may cause short circuit and damage of parts. Meanwhile, falling objects may injure people and damage the machine.

➢ **Do not place objects in the exhaust outlet of the machine.**
  The blocked exhaust **outlet** may cause temperature rise inside the machine, affect the normal operation of the game, and even damage the parts.

➢ **Do not repair the machine by yourself.**
  It may cause short circuit or malfunction and other failure.

X IXnstructions on Restoring U Disk

Method A : Using the Recovery System USB inside the game.

Step 1: **Power off** the game machine.

Step 2: Insert this software USB in the machine's computer (Figure 1)

Step 3: Turn on power again. The software would be upgraded automatically. (Figure 2)

Step 4: After about 20 minutes, after the software finished upgrade. The screen will show the picture as below. Please pull out the Software USB. (Figure 3)

Step 5: After remove the Software USB, the machine will upgrade the software automatically. It will need about another 20 minutes. Wait until the screen show the game program upgrade completed. **(Don't** power off during installing)

Step 6: Reset the Date and Time Date for better use. Done!
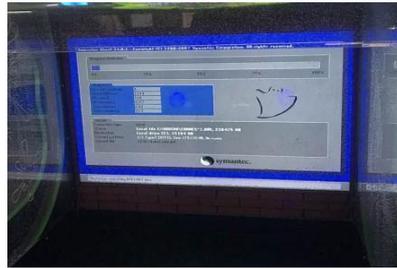
Method B : Program Quick Upgrade.

Step 1: Copy the upgrade program in a new empty USB.

Step 2: **Power On** the game machine.

Step 3: After the machine enter the game method, insert the new program USB in the machine's computer (Figure 1)

Step 4: The game will upgrade automatically. Do not pull out the USB or power off the game when see the (Figure 4) showing on the monitor.

Step 5: After some minutes,when the (Figure 5) showing on the monitor, remove the USB.

Step 6: Power on the machine again, the program will be upgraded successfully.

Figure 4   Figure 5

⚠ The above technical parameters are subject to change without prior notice

ACE Amusement Technologies Co., Ltd.

ADD: #5 Building, No. 6, HengFeng 6th Road,
        Gangkou Town, Zhongshan City, Guangdong,
        P. R. China   PC: 528447

TEL: (+86) 760 8848 8920

E-Mail: Sales@ACE-Amusement.com

Web: www.ACE-Amusement.com