

Operation Manual

《Toilet hero》 V1.0



If there is any difference between the actual and the pictures in this manual, the actual shall prevail!

Warning

- Before using and installing this product, please read this manual. Descriptions of machine Set and adjust, maintenance, technical points are very important. Reading this manual will help you better use this equipment, after reading make sure to keep it well for future check!

Preface

一、 Company Profile:

Thank you for choosing our games machine products. Our company is located in the Pearl River Delta Economic Belt of Guangdong Province, which is the country's leading game machine production base and distribution center.

Relying on the complete industrial chain here, we go all out for product development and innovation. We are committed to making every product have excellent quality, so that buyers can feel safe to use, so that players can enjoy the fun. We uphold a new concept, and strive to bring players a new entertainment experience, to create a happy harbor.

Division I R & D, production, sales of carnival lottery machine, small machinery and gift class amusement machines as a supplement. We carefully sculpted every product details, uphold the excellence, realistic and pragmatic attitude, to provide customers with more stable product quality and more favorable sales prices, in the dynamic world of gaming machines, exercise passion, harvest health and vitality.

二、 Introduction:

In order to enable you to quickly and accurately understand the machine, and be able to use it correctly and safely, please be sure to read this manual carefully. May it provide you with excellent guidance to help you start a new happy journey with your own hands!

"Toilet hero" is a parent-child carnival lottery game machine independently developed by our company, and its use scene is generally indoor. The game experience is simple and exciting, fast-paced and easy to use, and both adults and children can have fun throwing a ball into the toilet circle to score points, the higher the score, the more lottery tickets. Next, I will walk you through the relevant instructions for the various directories of this machine.

三、 Feature:

- The machine is suitable for a wide range of venues, the game content is simple and exciting, and the play is novel and unique, fully taking into account the different needs of adults and children.

- The mechanical mechanism is robust and durable, and every place is equipped with an anti-pinch function to ensure that the machine is stable and reliable during operation, so that players can play with peace of mind.
- With toilets close to life as a game element, this sense of familiarity can narrow the distance with players, making the game more attractive to players.
- The control circuit is stable and reliable, the program is extremely careful about the details, and the coordination between sound, animation and rhythm is perfect. And a large number of imported devices durable.

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1.Product Specifications



Machine size (L*W*H)	2455mm*1100mm*2460mm
Packed size (L*W*H)	①: L:1520mm*W:1150mm*H:1950mm ②: L: 2150mm*W: 520mm*H: 80mm
Weight	310KG
Voltage	AC 110V/220V
frequency	50HZ/60HZ
MIN Power	250W
MAX Power	330W

Note: the above technical parameters are subject to change without prior notice

2. Accessories List

No.	Item	Spec	Qty	Unit	Picture	Remark
1	Wire	1.5M	1	PC		
2	Fuse tube	Ø5*20mm	1	PC		110V/220V/6.3A
3	Manual	A4	1	PC		
4	keys	GG168	2	PC		locks
5	hex wrench	8mm	1	PC		Used to open and close the front and rear box locks
6	ball	ø65	16	PC		For machine

Note: this list is for reference only, subject to the actual shipment list.

3. Safety Precautions

⚠ Be sure to consult an industry expert when setting up the machine. You cannot set up machines for people other than industry experts.

⚠ When installing this product, all 4 feet must be evenly placed on the floor, and ensure that the product is

⚠ installed in a stable horizontal position. Unstable

⚠ installation may result in machine injury or accident

⚠ Do not use too much force on the movable parts when installing this product. Otherwise it will damage the product or cause injury or accident to people

⚠ This product is for indoor use only.

⚠ You can't leave the game near the emergency exit.

⚠ Protect the game machine from the following effects:

1. Wet or wet places.

2. In direct sunlight.

3. Dangerous and flammable substances.

⚠ Chemicals or beverage solutions must not be placed above or near the game machine.

Do not place objects near the vent.

Do not stretch or twist the power cord by force.

Do not insert or unplug the power box in damp condition.

⚠ The voltage must be used within the specified range.

Do not place the power cord where the person in the aisle is walking.

⚠ Be sure to see through the contents of this product manual.

⚠ For proper ventilation, keep the game machine 300mm away from the wall.

⚠ Do not change the system or connector in the machine without permission. Once some parts of the machine are changed, the machine will cause irreparable damage.

4. Precautions for placing, fixing, moving and electrifying

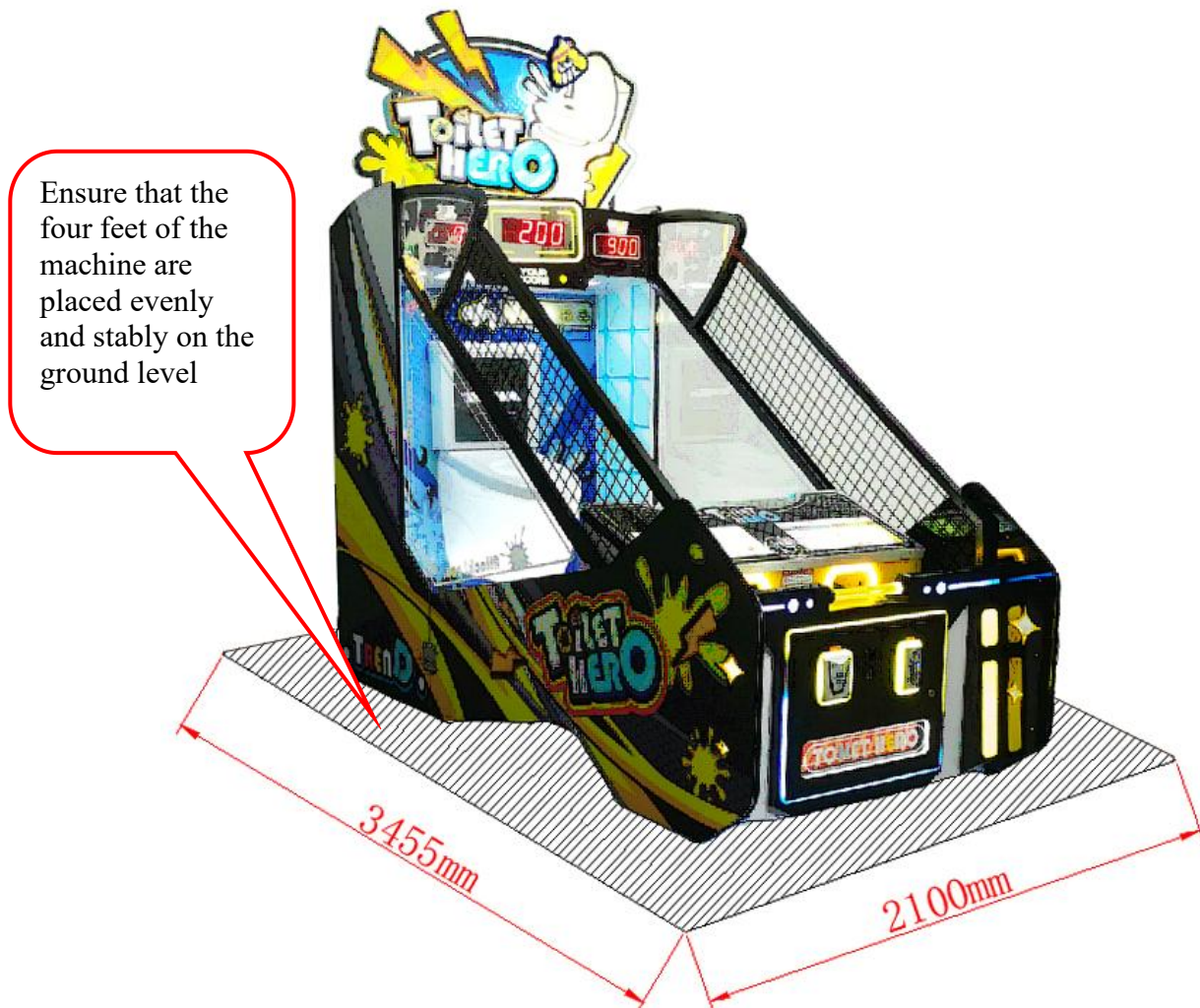
4-1.Precautions for placing:

A. This machine is suitable for indoor use, in the outdoor use must pay attention to waterproof sun, in order to avoid the machine life shorten, cause damage.

B. The machine must be placed in a clean and tidy place with flat floor.

C. To avoid unnecessary damage to the appearance of the machine, a space of at least 500mm must be reserved around the machine setting area. The machine reserve range is shown in the Picture below:

:

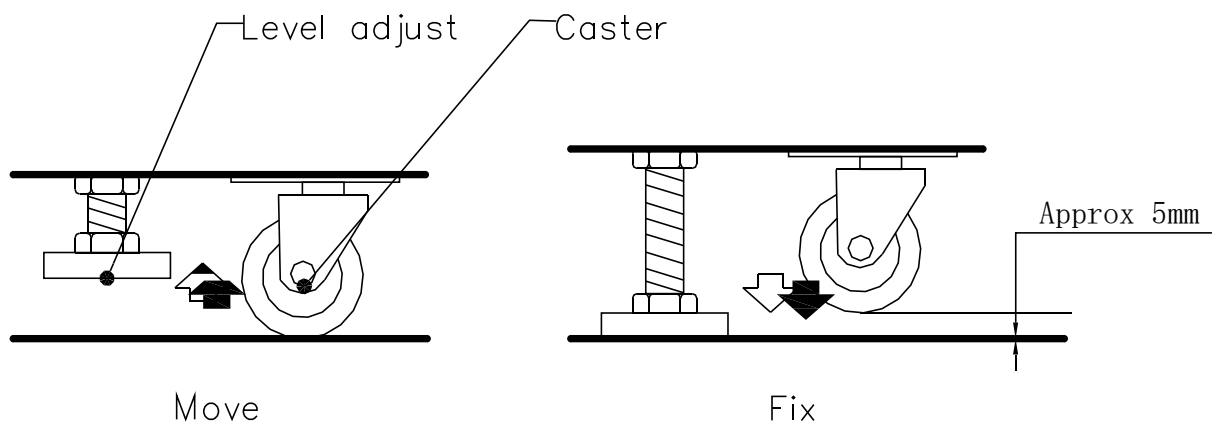


D. Do not use the machine in the following places, For example:

1. The machine should not be near the place of dangerous goods.
2. The machine should not be placed on the smooth and uneven ground.
3. The machine should not be placed in a dusty environment.
4. The machine should not be placed in a humid environment.

4-2.Fixation and Movement

The machine must be placed on a flat ground and the top foot must be longer than the sliding castor, then it can be placed steadily.



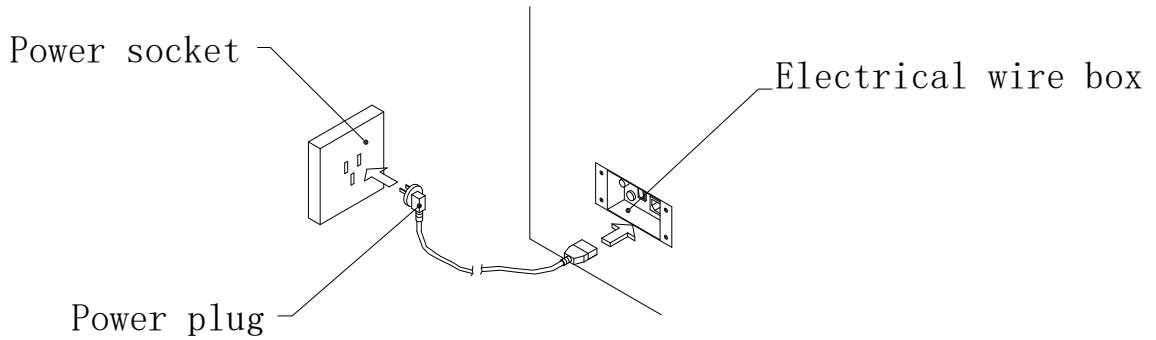
4-3.Handling method:

1. The power supply must be turned off before handling, and the power cable must be unplugged. If long-distance transportation is required, the surface must be covered with a layer of soft cushion for scratching.
2. Note that the machine can not be moved at will, transportation, etc., which will cause the machine to damage the parts.
3. Confirm that in the process of moving, transportation, etc. to meet the requirements of the manufacturer.

4-4.Wire Connection

Firstly, find the power box below the back of the machine to ensure that the fuse in the power box is intact. If the fuse is not damaged, then insert the power cord into the hole and the power box can be energized.

Warning: before the machine is powered on, make sure that the fuse is installed in place and the circuit is normal.



⚠ Warning

- The power line should not be pinned down by heavy objects, which may damage the power line and easily lead to short circuit. In serious cases, it may lead to fire.
- When pulling the power cord from the socket, pull it out by holding the plug instead of the cord.
- Do not pull the plug out directly with wet hands.
- Do not stretch or twist the power cord. Do not expose the cord to hot objects.
- The power cord should not be easily kicked or touched.
- Use correct voltage and fuse (refer to technical parameters).

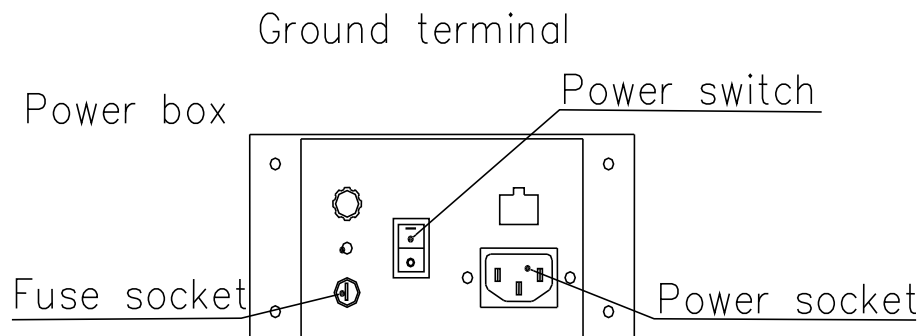
4-5 Main power switch box:

A. The machine voltage is suitable for AC110V or AC220V.

B. Ac safety is installed in the safety device, the specification is "220V 6A" "110V 10A" diameter: $\Phi 5 \times 20\text{mm}$;

C. The ground terminal is connected to the dedicated ground cable, and the ground resistance is less than 0.5 ohms.

D. The power switch is used to turn ON or OFF the power supply. When the power switch is turned on, the power switch is turned off when the power switch is turned off.



5. Complete machine parts description

5-1、 External structure:



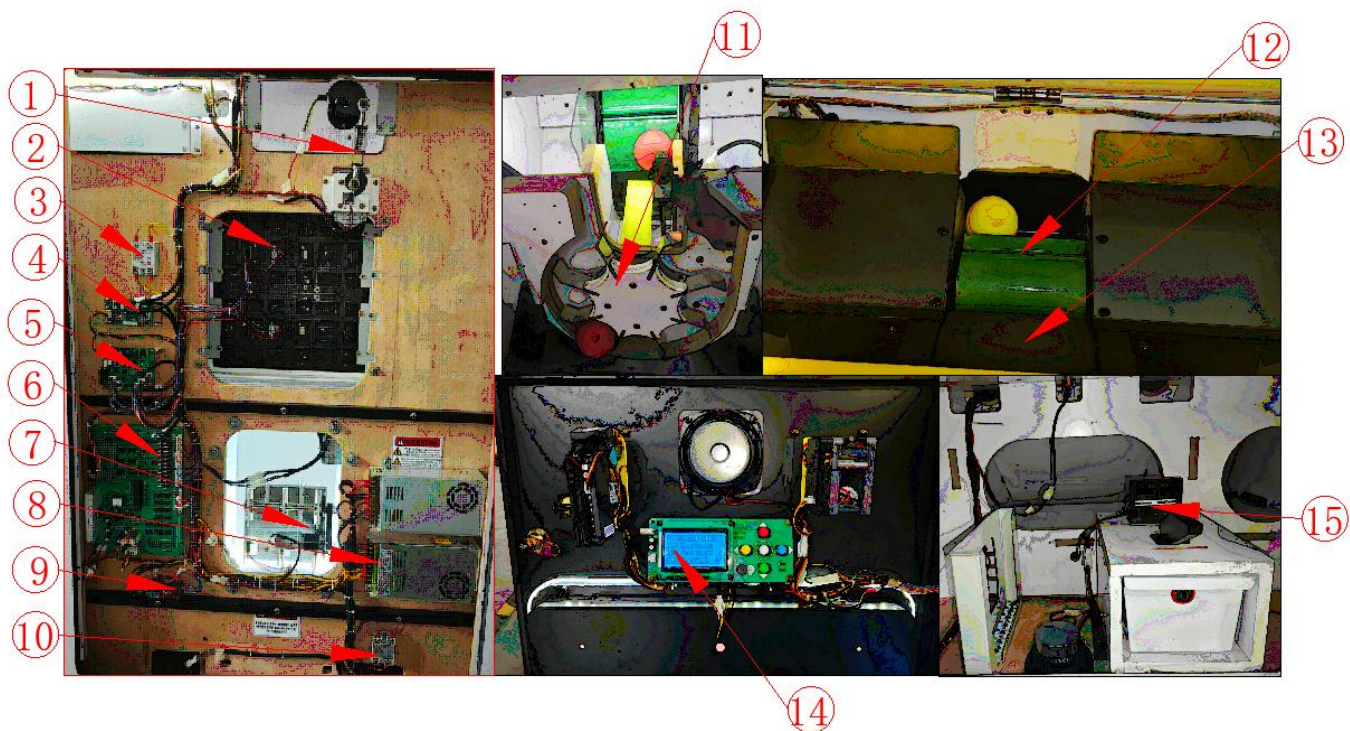
NO	Name	Picture	Appearance Details about the components
1	light box		The light box components will be removed and individually packaged and placed on the machine when shipped
2	Score area		This area displays the your score, time /credit, and highest score
3	Two side pipe rack		Both sides of the pipe racks are packaged separately when shipped
4	two sides PC		PCS on both sides will be packed at the back door of the machine when shipped

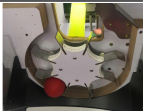
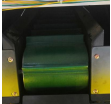
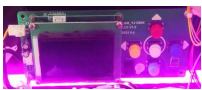
5	toilet		The toilet is rolled into the main play area of the machine. Points are scored by placing the ball in the toilet, and as the game progresses, the toilet will gradually shrink, and the score will double
6	console		The console includes a start button, lottery rating table, and play instructions
7	front door		The front door includes coin acceptor lottery machine and internal setup panel and speakers

Note: Please read the above instructions carefully. If you do not know, please contact us !

5-2、 Internal structure composition:

Internal component Remarks Description:



NO	Name	Picture	Detailed description
1	finger mechanism		Finger turning mechanism in the play area
2	Atomic Lattice Armor		Play the machine's dot matrix animation
3	Dc solid-state relay		Control light box mini word output current
4	Digital edition expanded edition		The digital version of the control board can communicate with the motherboard
5	Lattice board control board		The control board of the lattice board can communicate with the main board
6	Main board		Control all input and output signals of the machine
7	Ball shifting mechanism		Responsible for keeping score and flicking the potentially blocked balls in the toilet
8	power box		The output of all low-voltage electricity from the machine
9	Ball feed small turntable control board		Control the forward and reverse rotation of the small turntable motor
10	Ac solid state relay		Control the rotation of the belt mechanism
11	Ball feed turntable mechanism		The function of the mechanism here is to send the ball up
12	belt reversing gear		The function of the mechanism here is to send the ball up
13	Anti-stuck hand mechanism		This function is to prevent children from sticking their hands into it
14	The PCB board is set in the background		Here you can set up the machine background and query the machine operation data
15	Stopwatch stand		Here records the revenue status of the machine and the lottery repair button of the machine

6.How to play

1. Insert coins or swipe card & press button to begin.
2. Throw balls into toilet bowl to score points.
3. Beat the highest score to win the bonus.

7.How to adjust the machine

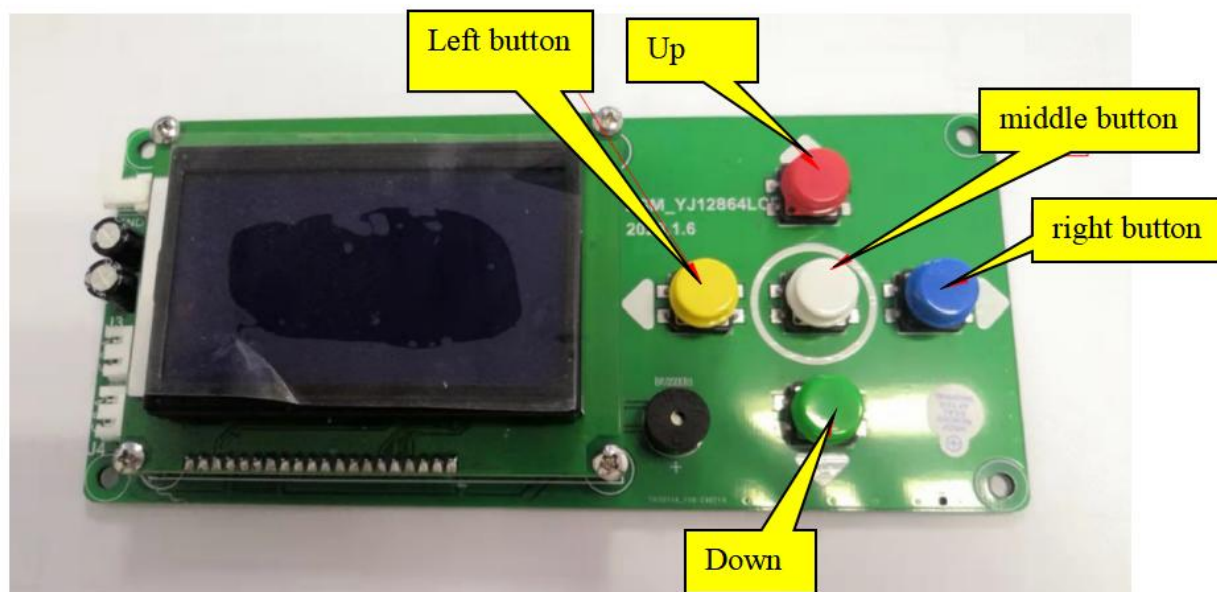
Step 1. Use the GG168 key to open the front door and find the keypad on the LCD setting screen. As shown in the following picture



Step 2. Locate the keypad on the LCD setting screen and hold down the middle key for 5s to enter the background setting. Press the up/Down key to switch the next or previous item. See the table below for details of button usage and background Settings:

Button usage is shown in the following table:

START PARTY Setting sheet-V1.00			
Button function	Hold down for short function	Long press the function for 5 seconds	
Up	up	Clearing	clear the existing lottery tickets and coins and the remaining number of games to play
Down	down	TEST	In this function, you can press [Down] to proceed to the next test. Test sequence: 1. LED test, 2. Sound test, 3. Input test, 4. Output test.
left button	reduce -	version infor	Display the machine version information
right button	Add +	DATA	view the number of coins, the number of lottery tickets, the highest score times, online bonus times;
middle button	confirm	parameter setting	In this function, press [Up] to go to the previous parameter and [Down] to go to the next parameter. Press [left button][right button] to adjust the value or status of this parameter. Long press [left button and right button] to rapidly increase or decrease the value. After setting, you can press [middle button] to save and exit.



See the table below for details of background Settings:

Item	code	details	range	Factory Settings	Remark
Setting	P00	language option	0-1	0	0: Chinese, 1: English
	P01	Ticket Out	0-1	1	0: no, 1: yes
	P02	Memory Save	0-1	1	0: no, 1: yes
	P03	Game Music	0-1	1	0: no, 1: yes
	P04	Standby Music Setting	0-10 0	5	0: no, >0: Play every minute at this interval
	P05	volume adjustment	0-10	5	0 silencing, 1-10 volume.10 biggest
	P06	Coins/credit	0-10	1	0 means free, >0 means Coins required per game
	P07	playtime	20-1 20	60	Game time per game (seconds, just press add or subtract 5 seconds)
	P08	highest score - N game-reduced 10 points	0-20	1	0: no, >0: The number of innings after the maximum score automatically adjusts to 10 points
	P09	Toilet port zoom time setting	0-60	20	Number of seconds at the end of each round, the toilet seat will shrink smaller, and the score will double (seconds).
	P10	The value of each ball	5-30	20	Score value for each goal scored (unit: points, just add or subtract 1 point)
	P11	Maximum score setting	850-1400	900	Add or subtract 50 points with a single keystroke
	P12	The highest score reward lottery set	200-3000	200	Add or subtract 100 tickets with a single button (unit: tickets)
	P13	Restore Factory Defaults	0-3	0	0-2: no, 3: yes
	P14	YES save /NO-do not save	NO/ YES	NO	YES- Confirm key = Save and exit NO- Confirm key = Exit without saving

See the table below for details of background tests:

NO.	Setting content
1	Press and hold [Down] to enter the background test. First, the digital version of the test program: At this time, all nixie tubes display 8.8.8.8 first, and then flash in the sequence of 1.2.3.4.5.6.7.8.9. Finally, all Nixie tubes display 8888 and stop. This test whether the digital tube is displayed normally (all bright, missing lines, etc.).
2	Press [Down] again to enter the sound test, then press to switch the next piece of music. This is used to test whether the pieces of music are normal
3	Press [Down] again to enter the input part of the test, turn on the corresponding input signal, and the score digital tube will display the corresponding number, (for example, the coin is displayed 01, in order to check whether the input signal is correct) the other display is 33, and the digital tube will blink all three times and stop. This item is used to test whether the input signal is normal
4	Press [Down] again to enter the output part test: at this time, 1 to 40 output outlets are connected for 1 second one by one in order (this test detects whether all output outlets are operating normally), and the score digital version displays the serial number of 1 to 40 output outlets in the connected order. The rest of the nixie tube shows 4444, and the nixie tube flashes three times before stopping. This item is used to test whether the output signal is normal . This item is used to test whether the output signal is normal
5	Press [Down] one more time to enter the Aging Durability test: This time, the ball feed and scoring wheel continue to operate to test durability
6	Press [Down] one more time to exit: Press the OK key to exit the test

8.Instructions for use and maintenance

In order to avoid short circuit, the relevant personnel should turn off the power supply before contacting the internal components of the machine. If the power supply needs to be switched on in this operation, it should comply with the requirements of the operation manual.

1. The power supply must be turned off when the machine is maintained and repaired.
2. When replacing components, select appropriate components to avoid short circuit and damage to the main board and components.

3. Do not remove, assemble, or change the device at will.

This may lead to electrical short circuit, mechanical failure, etc., serious cases may lead to fire.

4. Do not place vases, cups, containers, etc. with water on the machine, and do not place chemicals and heavy objects on the machine. The spilled liquid will cause short circuit of electrical appliances and damage devices. At the same time, falling objects from high altitude will hurt people and damage machines.

5. Do not place items at the vent of the machine. When the vent is blocked, the internal temperature of the machine will rise, which will affect the normal progress of the game and even damage the device.

6. The machine cannot be repaired at will. This may cause faults such as short circuit or out-of-control operation.

8.1 Maintenance description of common faults

Error code	Error description	solution
HELP	Missing tickets or lottery machine malfunction (does not affect the game when reporting errors)	Replenish your ticket or replace your lottery machine
E01	Initial sensor fault of toilet opening mechanism	Check the wiring or replace the sensor
E02	The sensor stop position of the toilet opening mechanism is faulty	Check the wiring or replace the sensor
E03	The host fails to communicate with the LCD	Check cables or replace the main board or LCD
E04x	The host failed to communicate with the TUBE board	Check the circuit or replace the main board or TUBE board
E05	The host failed to communicate with the lattice driver	Check the circuit or replace the main board or dot matrix driver board
E06	Score 1 sensor fault	Check the wiring or replace the sensor
E07	Score 2 sensor fault	Check the wiring or replace the sensor
E08	Score 3 sensor fault	Check the wiring or replace the sensor
E09	Out of the ball mouth sensor error	Clean the blockage or replace the light eye at the ball outlet
E10	Ball feed turntable swing lever switch action	Clean the block or replace the rotary pendulum switch
E11	Anti-stuck hand metal detector reports error	Clean the snag or replace the anti-snag hand metal detector
E12	The person enters the machine alarm, the ball feed turntable and the belt mechanism stop for 30 seconds, and the voice plus code reports the error.	Clean up the occlusions or replace the sensor
E13	Flush finger initial infrared fault	Clean up the blockage or replace the finger initial infrared

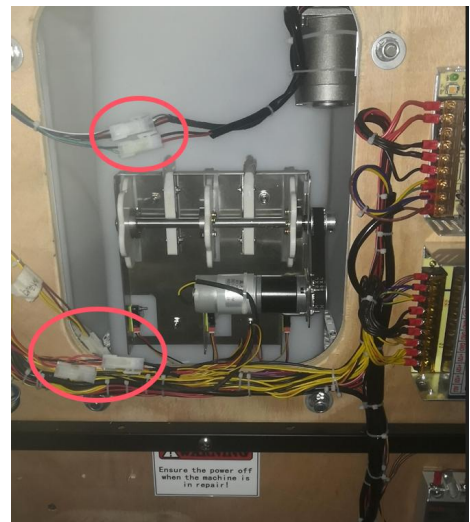
8.2 Procedure for removing and installing toilet components

Special note: When there is a problem with the shutter mechanism on the toilet, you need to follow this step to remove the entire toilet for observation and maintenance.

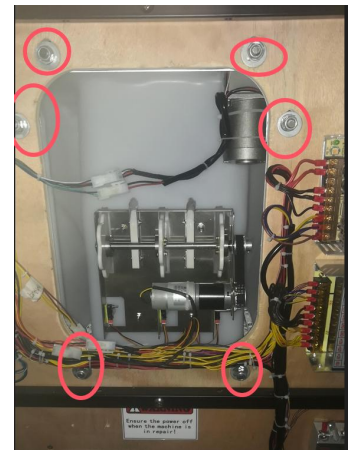
Step 1: Take out the GG168 key in the kit and open the back door. As shown in the following picture



Step 2: Open the back door, first pull out the wiring port of the toilet part, a total of 5 connector ports. As shown in the picture on the right

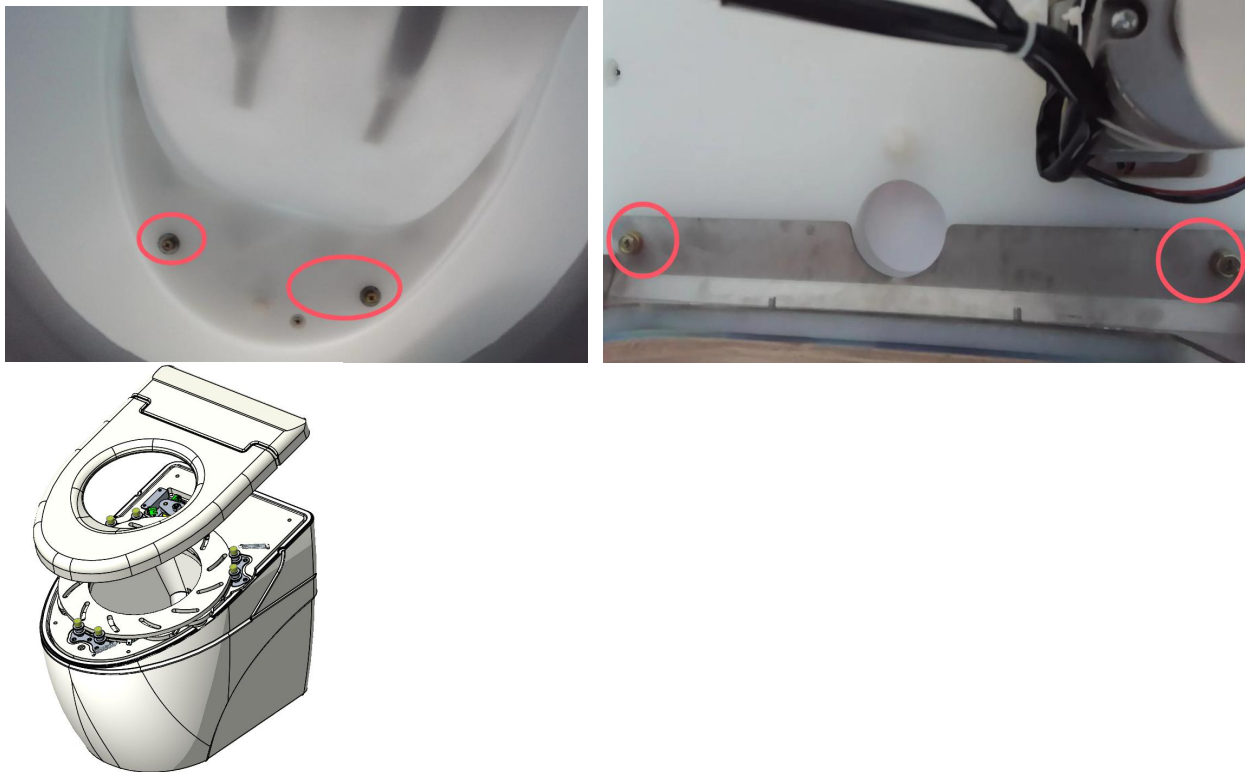


Step 3: Use No. 13 open wrench or socket tool to remove the 6 M6 stop nuts circled below to remove the entire toilet. As is shown in the picture on the right



Step 4: After taking off the toilet, find a clean place to turn it upside down. You can see that there is a cover plate at the bottom. Loosen the screw with a Phillips screwdriver and remove the cover plate. As shown on the left

Step 5: After the cover is removed, you can see that there are four screws inside the cover. Use a Phillips screwdriver or a 10mm sleeve to remove it. Then remove the two screws on the top of the rear mechanism, you can take down the toilet cover blister, you can repair the shutter mechanism. As shown in the picture below:



Special note: If you need to put the toilet assembly back, follow the steps above to reverse push

9.How to install (Machine installation instructions)

Special note:

1.After you receive the machine, please check whether there are the following two pieces:

Wooden bracket chassis (as shown in Figure A) and spare guardrail pipe frame (as shown in Figure B) are two pieces. If there are any missing pieces, please contact the seller for confirmation.



Pic A (Includes light box and accessories)



Pic B

Note: Since the machine lane case (number 2) is transported upright for ease of transportation, it takes two to three people to work together to lower it upside down.

Tips 2: The tools required to install this machine are as follows

NO	Tool Name	Qty	Unit	Tool Picture
1	cross-head screwdriver	1	pc	
2	Hexagonal Socket	1	kit	

Note: Please prepare your own tools before starting the installation

Here are the detailed installation steps:

Step 1:

1.1 First pour down the fairway box (as shown in Figure 1) from the wooden bracket, and then lift the machine box (as shown in Figure 4) from the wooden bracket. This operation needs three to four people to complete, as shown in the following figure



Pic 1



Pic 2



Pic 3



Pic 4



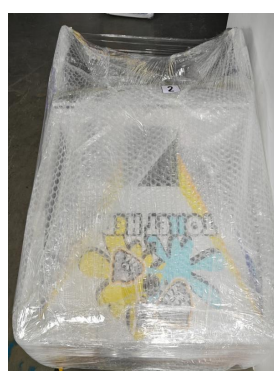
Pic 5



Pic 6

Warm note: the wooden pallet and triangular board for packaging should be put away and reserved for the next unpacking and transportation

1.2 First open the package of the body, take out the parts inside the machine and the tool kit in the spare parts bag one by one and put it in a clean place. As shown in the following picture

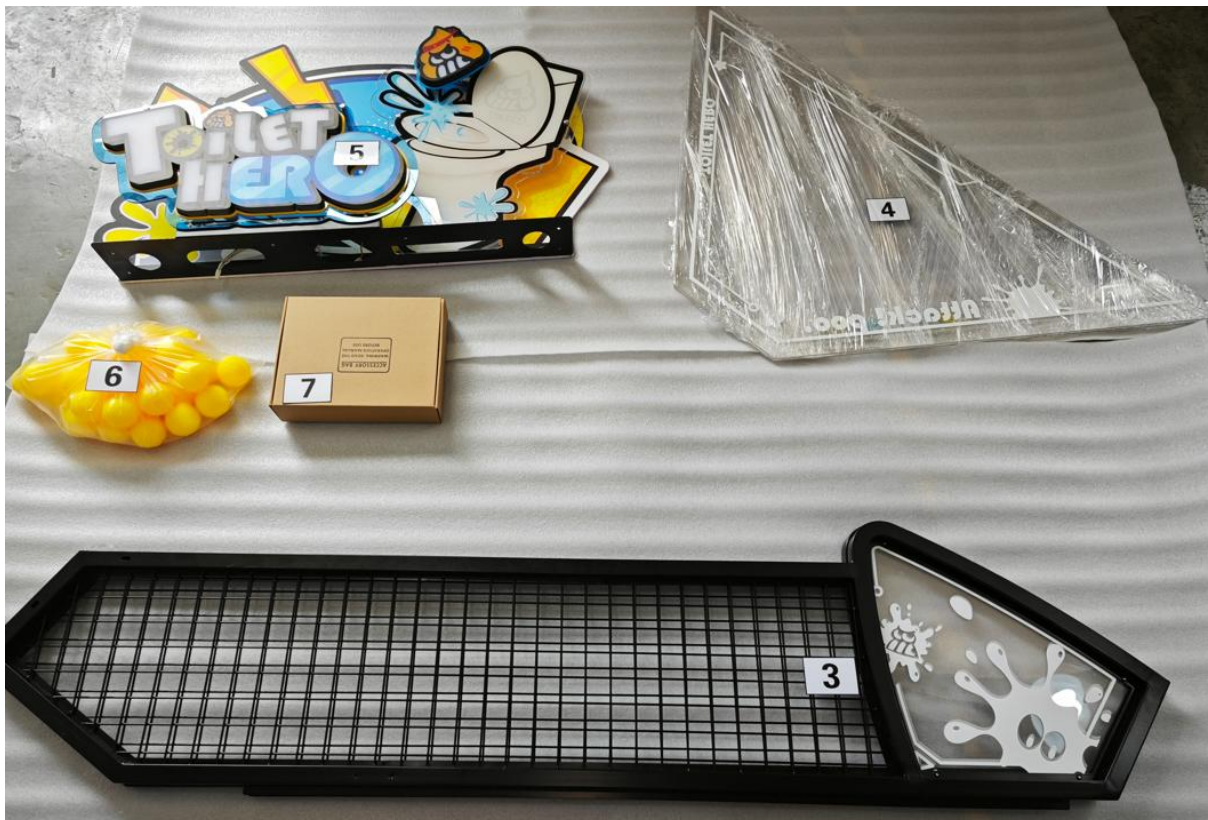


The unpacking diagram of the fuselage

Details of the machine components are shown below



Details of the machine components are shown below



The name and quantity of each sequence component are shown in the following table:

NO	Name	Material	Qty	Picture
1	Machine main box	component	1	
2	wooden box	component	1	
3	pipe frame	component	Each 1	
4	two sides PC	PC	Each 1	
5	light box	component	1	
6	ball		1	
6	accessory box		1	

The following table lists the names and quantities of accessories in the accessories box:

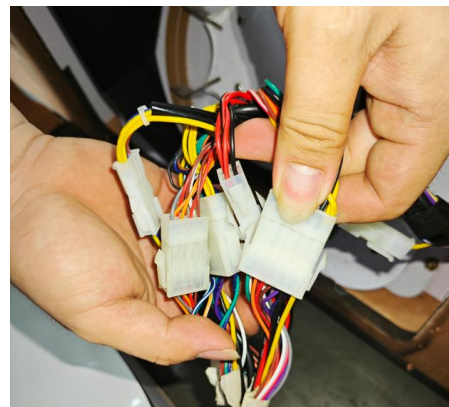
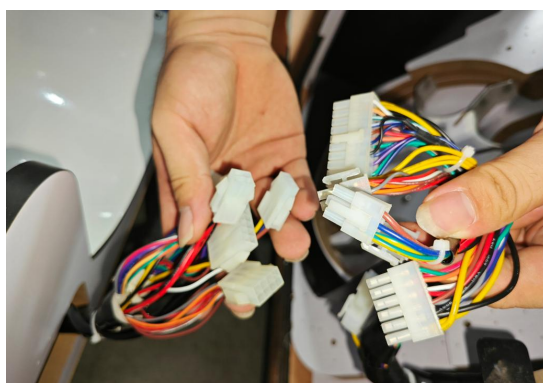
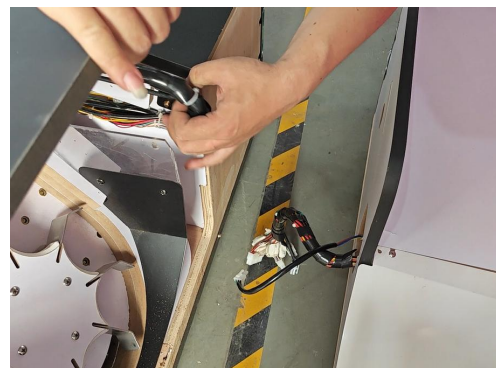
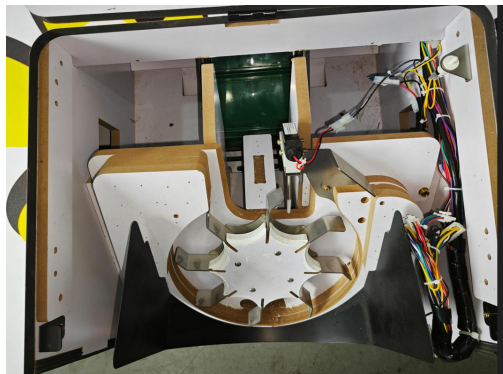
NO	Name	Material	Qty	Picture
1	Wire	1.5m	1	
2	Fuse tube	Ø5-20mm 6.3A	1	
3	Manual	A4	1	
4	keys	GG168	2	
5	hex wrench	8mm	1	
6	ball	ø63	16	

Step 2:

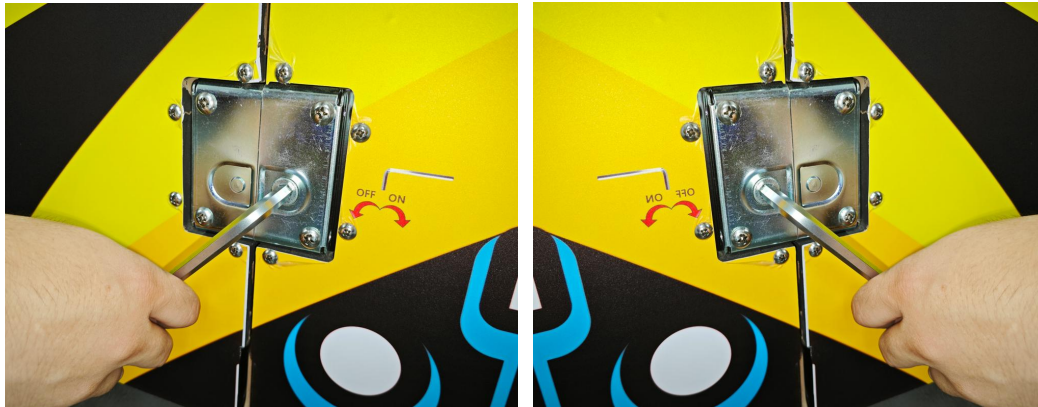
2.1 Push the unpacked machine main box and the machine fairway wooden box to the appropriate position, as shown in the following figure:



2.2 Take out the front and rear line docking ports from the machine and connect them, as shown in Figure 2 below:



2.3 Finally, close the two sections, take out the 8mm hex key in the accessory box, and lock the latch on both sides, as shown in the following figure:



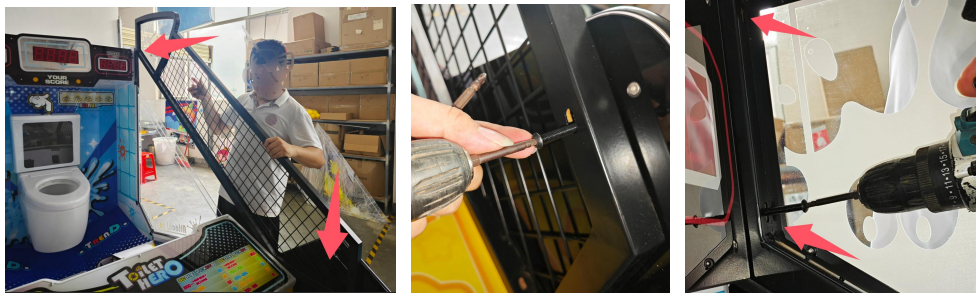
Step 3:

3.1 In the removed parts, find both sides of the PC (1 symmetrical left and right, spray painting side toward the machine interior during installation), pick up both sides of the PC and insert it into the slot on both sides of the machine. As shown in the following picture



3.2 First take down the screws on both sides of the front and back of the machine, and then find the guardrail pipe frame in the parts taken out in step 1 (1 piece of symmetry, one side of the iron net facing out when installed), slowly put the guardrail pipe frame into the gap between the two sides of the machine, put the end near the console first, and finally lock the screws before and after the guardrail pipe frame. As shown in the following picture





Step 4:

4.1 Will find the light box and the small five-star turntable among the parts taken out in step 1. As shown in the following picture



4.2 Next, place two stools on both sides of the rear section of the machine, and remove the 6 screws on the top of the machine. Then two people together lift the light box assembly to the top of the machine and lock the screws. Finally, plug the docking port of the light box line. As shown in the following picture



Step 5 5.1 To this step, the machine is all installed, around the machine to check whether the screws are tight, whether the wiring port is intact. If the installation is complete, you can power on the machine. Finally, the machine power is intact and complete the installation of the machine

If the installation is complete, you can power on the machine.