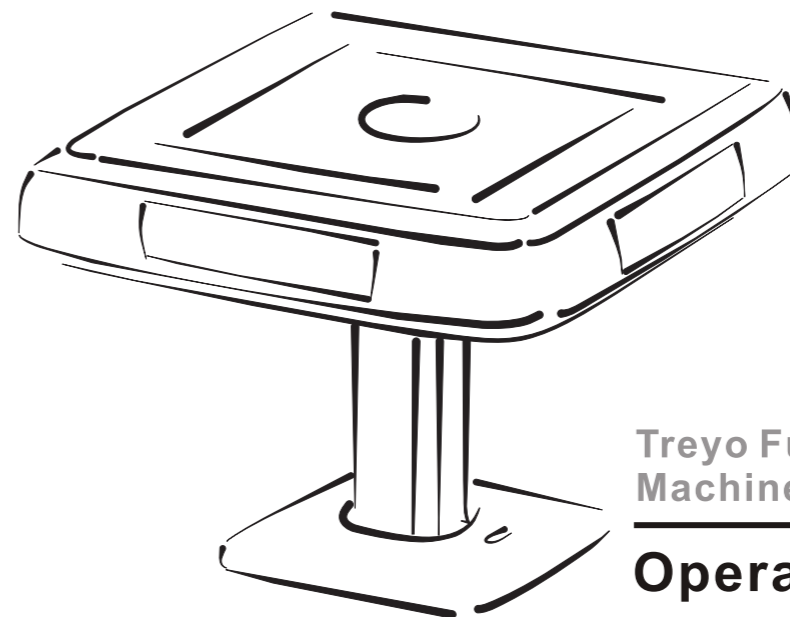


- ◆PICC undertakes to provide insurance for the product
- ◆Our company has passed ISO 14001 Environment Management System Certification
- ◆Our company has passed ISO 9001 Quality Management System Certification
- ◆Our products have passed up to 5,000 detections conducted by the China Household Electric Appliance Research Institute



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Treyo Fully Automatic Mahjong
Machine (C/F Series)

Operating Instructions

Liability Statement

1 Reading Statement

Thank you for choosing Treyo Fully-Automatic Mahjong machine. Please read the operation instructions before installation and operation, which can guide you to know about and use the product correctly. Attached operation instructions are also provided with the equipment for the continuous development and improvement of the product, please read carefully. Our company will not be liable for any artificial damage and injuries incurred due to failure to read or carefully read the operation instructions.

2 Copyright Statement

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3 Disclaimer

Our company makes no warranty or representation, express or implied, concerning the contents hereof and denies any warranty, marketability and adaptability of any special purpose clearly. In addition, the publication contents hereof are subject to revision without notice. Text error and inadequate technical description may occur in the manual despite careful proofreading. Comments from consumers and insiders are highly appreciated, which will help us revise the manual.

Safety tips

! To ensure the operation safety of the machine, the following instructions shall be followed:

- Please use original and supporting products of Treyo. Never use modified or non-professionally manufactured parts.
- Do not dismantle and modify the mahjong machine without authorization.
- Use 220V single-phase three-wire AC outlet fit for the plug and the outlet shall be properly-grounded.
- Do not use external power supply higher than 235V or lower than 198V. A voltage regulator shall be provided when the power supply is not stable.
- Take out the mahjong tiles from the machine and place them separately, power it off after the game is over.
- Keep Treyo Mahjong machine horizontally during transport or movement. Do not place it upside down.
- Do not clean the surface and the cavity of the Mahjong machine. Never clean mahjong tiles with cleaning agent.
- Do not throw such foreign objects such as lighter or cigarette into the machine, which may damage the machine.
- Do not scrape or scratch the machine or the mahjong tile surface with any sharp objects.
- Do not place Treyo Mahjong machine into a strong sunlight or humid environment for a long time.
- Cut off the power supply of the Mahjong machine during maintenance.
- Professional service personnel from or designated by the manufacturer shall conduct due maintenance in case of worn or damaged power line to avoid personal injury.

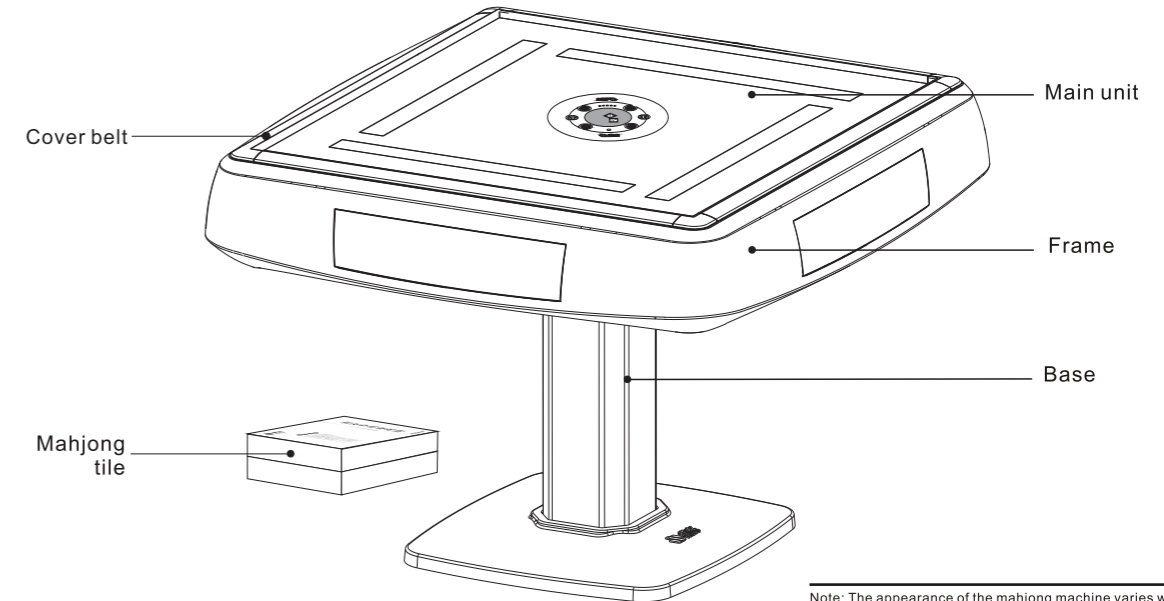
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Treyo Mahjong machine

1 Generals of complete Treyo Mahjong machine

Treyo 4-outlet Mahjong machine consists of main unit, frame assembly and base together with two sets of 4-outlet Mahjong tiles, as shown below:



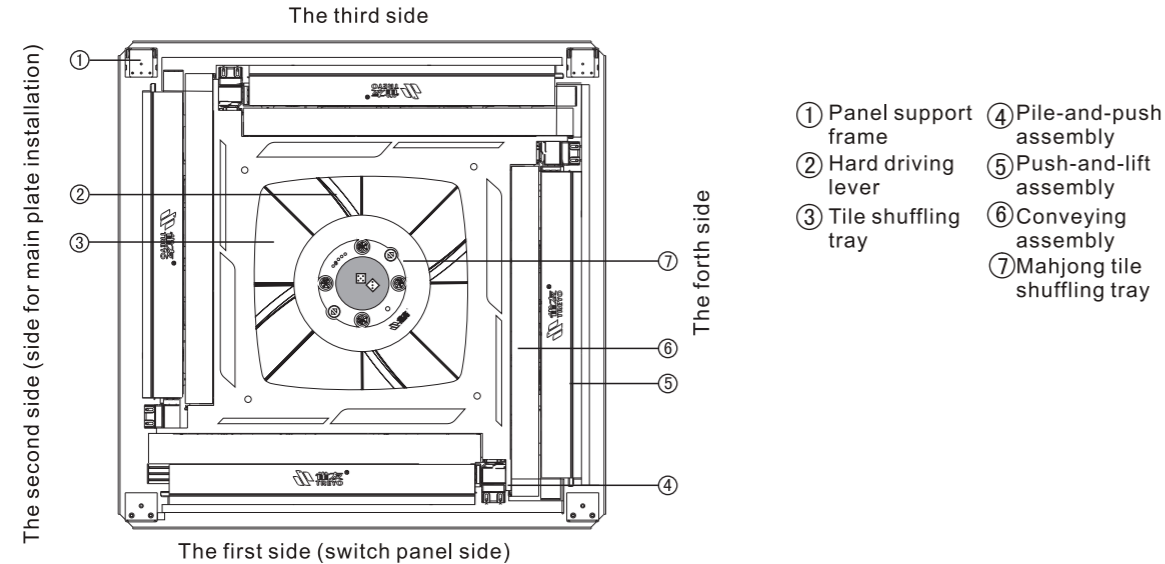
Note: The appearance of the mahjong machine varies with the series and the type. The specific appearance is subject to the real object.

Treyo Mahjong machine

2 Main unit of Treyo Mahjong machine

The main unit is the most important part of the Mahjong machine, which consists of the electronic control system and mechanical system according to its working principle (as shown in the top view). Assembly users often come across frame assembly, panel assembly (omitted in the figure below), mahjong tile driving assembly, baffle plate assembly, mahjong tile shuffling tray assembly and dice tray assembly.

1 Top view of main unit



TreyoMahjongmachine

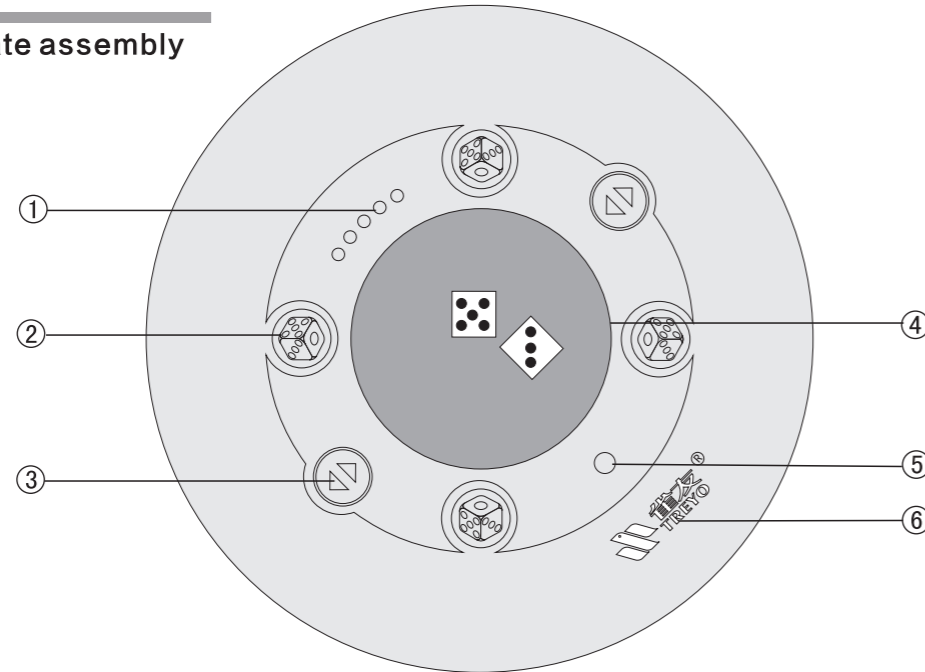
2 Tile pushing assembly, Tile conveying assembly.



- ①Aluminum board ②Tile cover plate ③Photoelectric chip base
- ④Pile-and-push assembly ⑤Flat-push motor

TreyoMahjongmachine

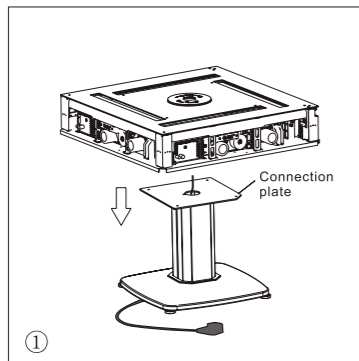
3 Dice Plate assembly



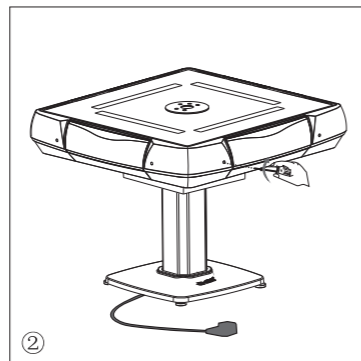
TreyoMahjongmachine

- ① Indicating lamp for the dealer
- ② Dice button
- ③ Lifting button
- ④ Glass window
- ⑤ Reset indicator (LOGO indicator)
- ⑥ LOGO

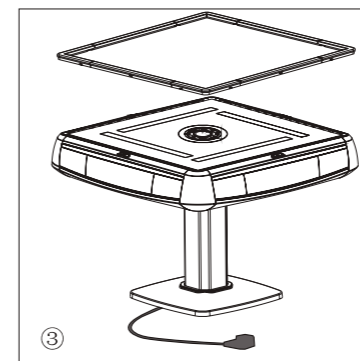
Installation diagram



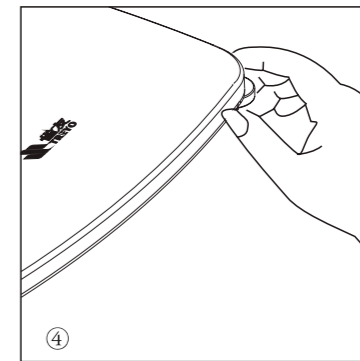
1. Installation of main unit and base: Hold up the main unit to a certain position higher than the base and insert the power connector of the base and the main unit. Do not press down the connector with the main unit. Fasten 4 connection screws. (Note: align the main unit to the connection plate).



2. Frame installation: Align the frame installation holes to the installation holes of the support frame of the main unit properly and fasten them with 8 PM4×10 screws.

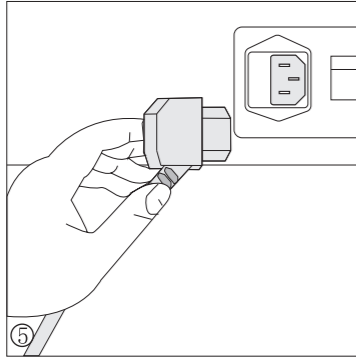


3. Press strip installation: Align and insert press strips properly and place them to the clearance between the frame and the main unit as shown in the above figure. Press down the strips firmly by hand. (Note: Adjust the corner screw appropriately if the press strip is a little tighter).

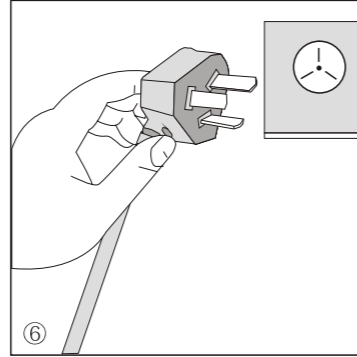


4. Mahjong machine flatness adjustment: Regulate four adjustable pads on the adjustment base to ensure the flatness and stability of the whole machine.

Installation diagram

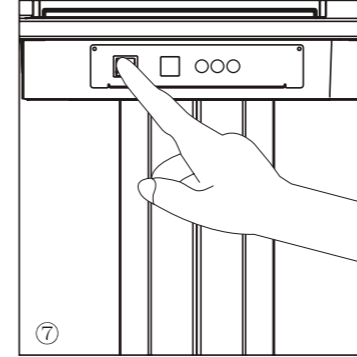


5. Power on: As shown above. Put the end of the cable line to connect with the main machine's three-whole socket.



6. Power-on: As shown above, turn on the power supply. The outlet must be three-phase socket fit for the plug and be properly grounded.

Installation diagram



7.Startup and operation of Mahjong machine: Turn on the power switch installed on the base box of the machine as shown in the above diagram, with a "Di", the dice tray of the main unit begins self-inspection after the indicating lamp of the switch lights; the Mahjong machine may start playing after the reset indicating lamp lights.

Operating instructions

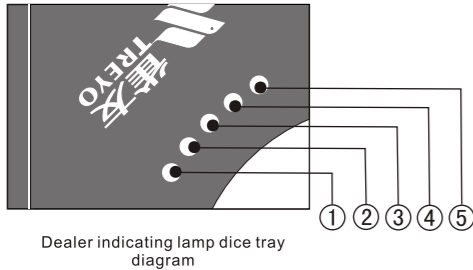
1 Preparations

1 Startup operation

- Turn the position switch to the desired position and turn on the power supply. (Swipe the card for the model configured with IC card facility).

2 Model selection

Model selection: when the reset indicating lamp lights (under which the lifting assembly stops), the program will enter the Model Selection Interface after pressing down four dice key switches and kept unmoved for 3 seconds simultaneously. The model corresponds to the indicating lamp remaining as the dealer (the dice tray dealer indicating lamp with LCD screen); the dealer indicating lamp is toggled via the dice push button. Press two lifting push buttons simultaneously or restart the power supply, the program will memorize and enter the set model. (Select the model reasonably according to the tile size). See the following table for details:



Dealer Indicating lamp	System
①	Under 50mm tiles size
① ②	Above 50mm tiles size

Remark: The system was set well according to appointed tile size before delivery.
No need to adjust by yourself if you do not need to change tiles size.

Operating instructions

3 Corresponding tiles of the position switch are as follows:

Position	Tile No.	Stacks				Position	Tile No.	Stacks				Position	Tile No.	Stacks			
0	Manual test					14	84	14	14	14	0	28	102	13	13	13	12
1	144	18	18	18	18	15	84	12	10	10	10	29	96	12	12	12	12
2	140	17	18	17	18	16	84	10	11	10	11	30	54	9	9	9	0
3	136	17	17	17	17	17	40	10	0	10	0	31	36	9	0	9	0
4	128	16	16	16	16	18	20	10	0	0	0	32	18	9	0	0	0
5	120	15	15	15	15	19	72	9	9	9	9 free position	33	54	7	7	7	6
6	112	14	14	14	14	20	148	18	19	18	19	34	36	6	6	6	0
7	108	13	14	13	14	21	142	18	18	18	17	35	40	5	5	5	5
8	100	12	13	12	13	22	108	18	18	18	0	36	138	17	17	17	18
9	72	12	12	12	0	23	132	16	17	16	17	37	56	9	8	9	2
10	152	19	19	19	19	24	96	16	16	16	0	38	108	17	17	17	3
11	138	17	17	17	18	25	124	15	16	15	16	39	108	14	13	14	13
12	116	14	15	14	15	26	126	16	16	16	15						
13	110	14	14	14	13	27	104	13	13	13	13						

Note: Only position 9, 19,29 and 39 are free positions.

Operating instructions

4 Free position definition illustration:

To satisfy various requirements of users on tile organizing, our company specially designs the main board of this type of mahjong machine to provide Position 9, 19, 29 and 39 as free positions(not configured for other positions).

Follow the following procedures and instructions if modification is required.

1. Turn the position switch to free position before the machine is energized to define the corresponding position. First press four dice buttons(East, South, West, North) simultaneously for 5 seconds and then power on the power supply, the buzzer will send out a long"Di" if successfully entered three seconds later, four dice push-button lamps 1,2,3 and 4 on the dice tray will shine.
2. The lamps will keep shining for 3 seconds. Release four dice buttons before all lamps go out.
3. The system will light up the dice push-button lamp 1 of the first side and the stack number indicating lamp of the side. If the machine is used for the first time, the factory default value (stack number) will be indicated.
4. The stack indicating lamp consists of five LED lamps (dealer indicating lamp), one red lamp and 4 green lamps. The red lamp indicates the largest stack number. The farther another lamp is away from the red one, the smaller the stack number is. Each LED lamp represents 1 stack, 2 stacks, 4 stacks, 8 stacks and 16 stacks respectively. The corresponding stack(s) is (are) available if the lamp shines and vice versa. Finally, the stack number of the side is the total of all numbers. Note: the number here represents the stack number available. If a model with LCD screen is provided, the stack number defined will be indicated at the time display position of the LCD screen directly.
5. Indicating lamps of four sides refer to four dice push-button indicating lamps (dice indicating lamp 1, 2, 3 and 4).

Note: If touch-screen dice tray is provided, the initial operations are as follows: Turn on the power supply and press the lifting button and keep unmoved for 1, 2 and 3 seconds after all dealer indicating lamps shine and before they go out, the buzzer will send out a long "Di", indicating the machine has entered the custom functions.

Operating instructions

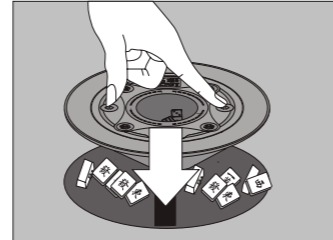
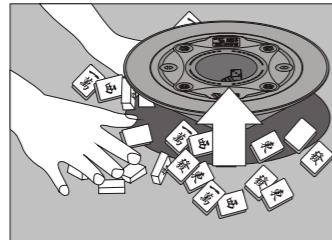
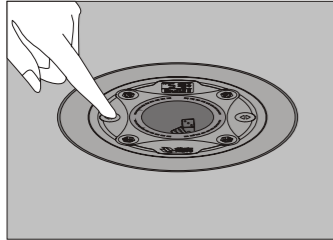
6. Our company defines the tile number of each side as follows: the smallest stack number is 0 and the largest stack number is 19 (i.e. 38 tiles). See the following instructions for detailed operations.
7. The push-button is defined as follows when entering the tile number setting: for four dice push-buttons 1, 2, 3 and 4, any of them represents number accumulation. One stack will be added for one push. The LED lamp (dealer indicating lamp) indicating tile number will also change at the same time. If you push the button again after accumulated to 19 stacks, it will skip to the smallest stack number 0 for the current side: press either of Lifting Button 5 and 6 to confirm. If the tile number of the side is set correctly and the OK button has been pressed, the system will skip the setting of the next side, and the lamp indicating the next side will change accordingly.
To enable the desired stack number to be configured properly, either lifting button can be pressed time and time again to know about the setting condition of current stack number.
8. Attention: Firstly, the first side cannot set as 0 stack. Secondly, the system will not record until you set well all four sides' tiles stacks. Lastly, before power-off you could press lifting button 5 and 6 for times to know current stacks circularly.
9. Quit the system. Turn off the power supply when the stack setting is set correctly. You can entertain yourself using the desired settings when powering on the power supply once again.

The numbers of remaining dealer lamp	1(Green light)	2(Green light)	3(Green light)	4(Green light)	5(Red light)
Stand for stacks	1	2	4	8	16
Such as 8 stacks				On light	
Such as 17 stacks	On light				On light
Such as 18 stacks		On light			On light
Such as 19 stacks	On light	On light			On light

Operating instructions

2 Basic operations

- Power on the power switch, the switch lamp will light and the reset indicating lamp of the dice tray lights simultaneously, or the indicating lamp of the dealer shines by turn, indicating the machine is electrified. The machine begins self-inspection, and the reset indicating lamp lights after self-inspection, the machine is prepared.
- Press the lifting button on the central lift door, the central lift door is lifted automatically to put into the first set of mahjong tiles and press the lowering button, the central lift door closes and mahjong begin to be shuffled in the machine. When the reset indicating lamp lights after tile shuffling, press the lifting button once again and the central lift door is lifted automatically to put into the second set of mahjong tiles; press the lowering button, the central lift door closes and the first set of mahjong tiles is put in place; the game begins. The second set of tiles begins to be shuffled.

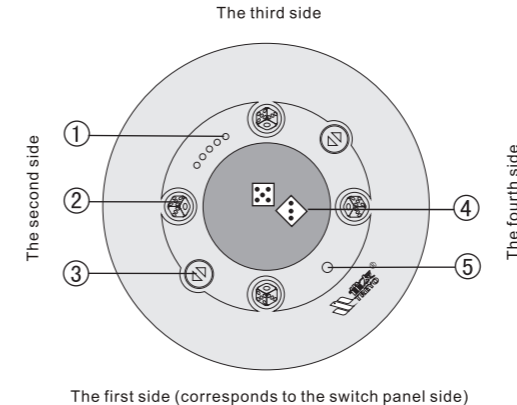


Notes: ① Press any lifting button when the reset indicating lamp shines;
② Press down two lifting buttons simultaneously when mahjong tiles are shuffled normally in the machine.

Operating instructions

3 Dice throwing

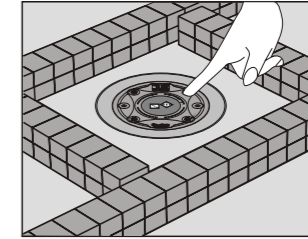
- Position name of the dice tray is shown below:



- ① Dealer indicating lamp
- ② Dice button
- ③ Lifting button
- ④ Dice box
- ⑤ Reset indicating lamp

Note: Dice tray design of Mahjong machine varies and its design is subject to the product purchased.

- Push the Dice button, dice in the dice box will rotate automatically and the indicating lamp of the dealer shines. When a dealer remains in its dealer position, the indicating lamp of remaining the dealer begins to show dealer holding times, it can indicate for 9 times at most.



Operation diagram

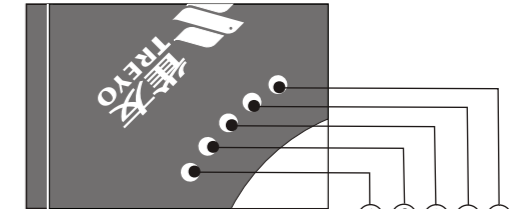


Diagram of the indicating lamp of remaining the dealer

Of which: Indicating Lamps ①②③④ are green, indicating one holding time as the dealer respectively, the indicating lamps will shine successively from Indicating Lamp 1, Indicating Lamp ⑤ is red, indicating five times remaining as the dealer. For instance, if Indicating Lamps ①②⑤ shine, it indicates seven times remaining as the dealer (1+1+5=7).

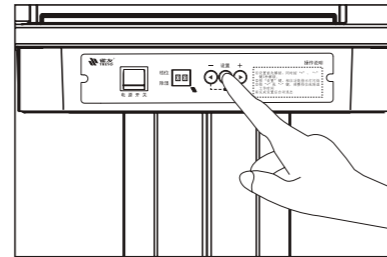
Dehumidifying function

1 Function introduction

The dehumidifying function has been developed for Treyo Mahjong machine as humidity may result in tile seizure and slower tile organizing speed. The function adopts safe PTC porcelain heating instead of electric heating to ensure mahjong machine to be used safely (as the function is not available for all models, the specific function of the mahjong machine is subject to the configurations of the model purchased).

2 Operation instructions

1. Enable/disable dehumidifying function:
Unlock before setting by pressing the “+” button and the “-” button on the switch panel simultaneously. Pressing the “+” button directly indicates enabling the dehumidifying function (the system will carry out dehumidification according to the defaulted dehumidifying duration), and pressing the “-” button during dehumidification to stop it. Carry out the following operations if the dehumidifying duration is set as per customers' requirements: unlock before setting, press the Setup button to set dehumidification, the corresponding indicating lamp of related functions will shine. Press the “+” button or the “-” button to adjust dehumidifying duration, and quit automatically five seconds after completing the setting.

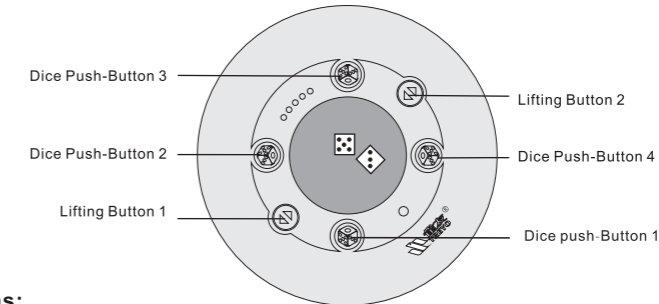


Note: The dehumidifying function is not available to all models with non-LP-DTD platform. The specific configurations of the mahjong machine are subject to the model purchased.

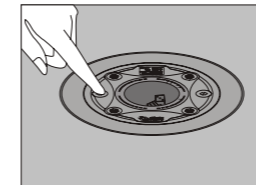
Tile concealing function

Function introduction

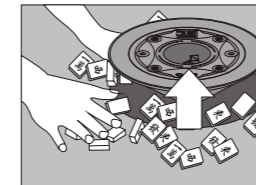
Tile concealing function may achieve placement of two sets of OK tiles into the main unit simultaneously without confusing them. The function provides convenience if the mahjong machine needs to be cleared during games. Operation procedures: Press Lifting Button 1 or Lifting Button 2 to lift the door to the right position when the rest of the indicating lamp shines. Push the tiles to the shuffling cavity. Press two opposite dice push-buttons simultaneously (1 and 3 or 2 and 4) for three seconds. The door will go down automatically. The concealing step is completed when the buzzer sends out a “Di”. The mahjong machine has restored to its normal operation condition. When pushing Lifting Button 1 or 2, the machine will lift tiles into position.



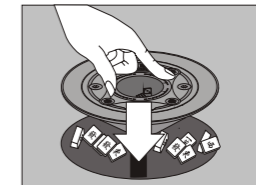
Operation diagrams:



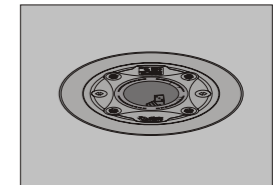
Enter the tile concealing function



Push the second set of tiles into the shuffle cavity.



Press the lifting button to lower the dice tray.

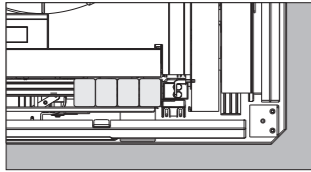


Two sets of mahjong tiles have been concealed in the machine.

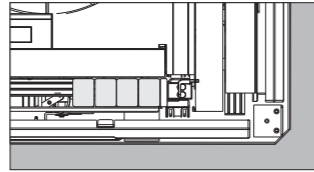
Memory function in power failure

Function introduction

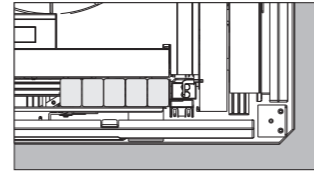
Memory function in power failure means that the machine can memorize the original working state in case of sudden power failure to prevent the occurrence of tile seizure owing to machine resetting during outage. The function can be written into the main control chip of Treyo without manual operation.



1. The mahjong machine is working normally under normal operation state



2. The mahjong machine stops working in case of sudden power failure, the machine will enter the memory function automatically. The original working state of the machine will be memorized into the control chip automatically.



3. The mahjong machine will read out the original working state from the control chip automatically and proceed with the original working after reenergized regardless of power failure duration.

Notes:

- ①Cancellation of memory function in power failure: Activate the forced reset function if cancellation of the memory function in power failure is required.
- ②Do not turn on and off the switching power supply to ensure normal operation of the mahjong machine.

Note: Forced reset

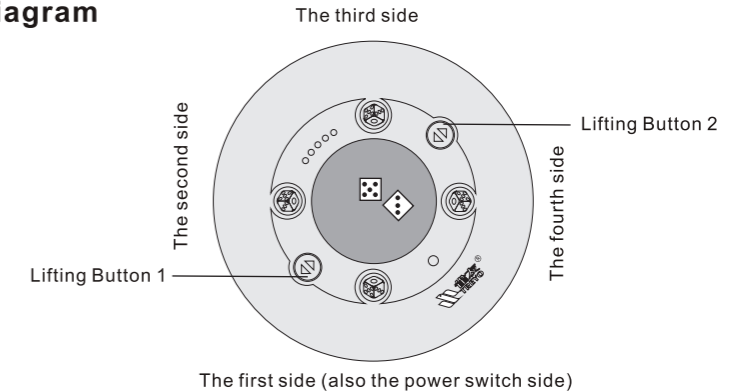
Press four dice push-buttons simultaneously and remain unmoved for three seconds if stopping the tile shuffling is required during tile shuffling (such as abnormality with the machine), the dice tray will send out a prompt, the program will be reset by force automatically to relieve the trouble of turning the power supply on and off.

Manual test

1 Function introduction

Manual test function is used to facilitate the consumer to know about the internal structure of the main unit so as to acknowledge the operation process of every function of the mahjong machine better, facilitate consumers to debug the machine on their own to solve some simple failures.

2 Dice Push-Button Diagram



3 Test procedure illustration

Turn the position of the machine to Position 0 and restart the power system to enter the manual test status, the reset lamp is flickering. The system test includes four-side lifting test, conveying assembly test, tray test and central lifting table test. If test type change is required, function switching can be achieved via the lifting button, the test type is displayed via the dealer holding time indicating lamp, the dice push-button can be used for operation. The specific corresponding relation is as follows:

Manual test

Test type	Dealer indicating lamp state	Operation method and functions
Four-side push-and-lift motor test	The dealer indicating lamp ④ lights on	Press the dice key switch, the push-and –lift motor will operate for one round. Press the key again during push-and-lift procedure, the push-and-lift operation will stop temporarily.
Four-side conveying motor test	The dealer indicating lamps②light on	Press the dice key, the conveying motor will rotate in a clockwise direction; Press again, the conveying motor will rotate in a anti-clockwise direction.
Four-side pile-and-push motor test	The dealer indicating lamps③ light on	Press the dice key switch, the pile-and-push motor will simulate tile piling in a single-step.
Tray motor test	The dealer indicating lamps ① light on	Press the dice key, the tray motor will rotate in a clockwise direction.
Central lifting motor test	The dealer indicating lamps light off. SET lamp on light.	Press the dice key switch, the center lifting facility will go up and down.

Intelligent alarming

1 Function introduction

The intelligent alarming function of Treyo Mahjong machine is achieved by glittering alarming of the dice tray indicating lamp. Various functions correspond to different indicating lamps, which is quiet simple. The function can serve as a good guide to illustrate mahjong machine failure when the consumer removes the failure and conducts maintenance.

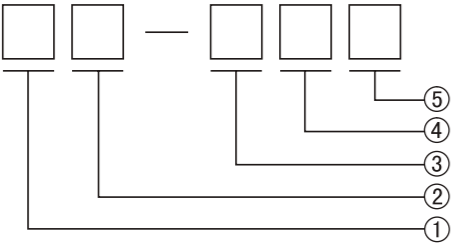
2 Intelligent alarming detailing

Display status	Failure cause	Handling method
Turn on the power supply, the SET lamp glitters	The position switch is not be placed in position. The position switch is placed at Position 0.	Turn the switch to the required position
Four dealer's lamps glitter simultaneously	Incorrect position and tile number Insufficient tiles Tile shuffling time too long	Adjust the position switch Make up insufficient tiles Check the driving level of the tile shuffling tray
SET lamp glitters	K2,K2 photoelectric failure or the central lifting door fails to go up and down freely	Remove K1 and K2 photoelectric failure or lifting motor failure
Indicating lamp 3 alarms, the 1(2, 3, 4) side	The 1(2,3,4) side's photoelectric counting chip K5K6 failure	Remove the 1(2,3,4) side's photoelectric chip X11 or push-and-lift motor.
Indicating lamp 4 alarms, the 1(2,3,4) side	The 1(2,3,4) side's push-and-lift failure	Remove the 1(2,3,4) side's photoelectric chip X11 or push-and-lift motor.
Indicating lamp 2,3,5 light on	The switch gear failure	Remove and change the switch gear.

Technical parameters

Rated power voltage	Rated current	Rate power
AC220V/50Hz	2A	200W

Working environment	Temperature		Elevation
	0~35℃	<80%	<4000m



Notes: ①What is listed in the above table is the frame dimension of AMOS series only for reference.
②The dimension and the total weight of the specific model are subject to the product purchased.

- ① **Tile arranging machine**
Represented by LP (Chinese Pinyin)
- ② **Specification and code**
The specification of the tile arranging machine is indicated by the erection height of the tiles and the largest stack number arranged.
For instance, the erection height of the tile is 40m and the largest stack number is 18, the specification of the tile arranging machine can be expressed as 4018.
- ③ **Tile arranging structure code**
It can be divided according to the outlet of the mixed cavity:
A Single outlet tile arranging machine (marking is not required);
B Multi-outlet tile arranging machine (expressed by D (Chinese Pinyin))
- ④ **Code of automation extent**
It can be classified according to the automation extent:
A Fully-automatic tile arranging machine (marking is not required);
B Semi-automatic tile arranging machine (expressed by B (Chinese Pinyin))
- ⑤ **Factory design sequence number**
Expressed by Arabic numeral or letters

Maintenance tips

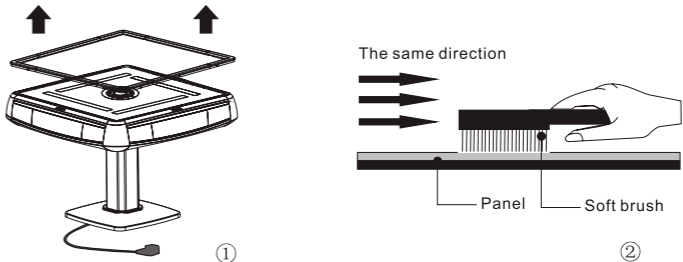
1 Requirements on maintenace time limit

- To facilitate operation stability of the machine and save after-sales cost, the service man or the user shall carry out routine maintenance of the machine (flannelette surface decontamination and tile cleaning etc on a regular basis within the first three months from the purchasing date.
- The service man or the user shall maintain the complete unit on a seasonal basis (flannelette surface decontamination, frame cleaning and tray dust sucking etc) from the date of installation. Not less than 3 maintenance times are recommended for the complete unit within one year.

2 Maintenance contents

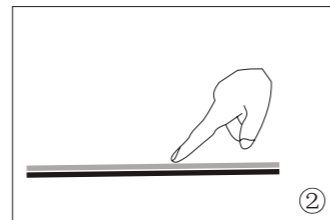
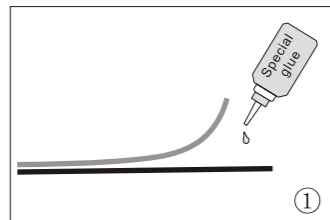
1 Flannelette surface maintenance

- Take down the press strips and put them aside. Brush the flannelette surface towards the same direction with a soft brush until dirt on the flannelette surface is removed.



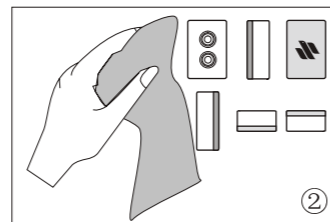
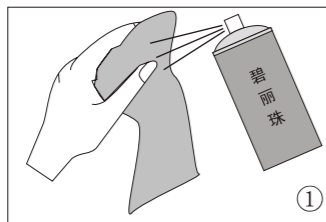
Maintenance tips

- Apply special glue timely if the rim angle of the flannelette surface is warped to avoid warping and flannel-losing from being worsened.



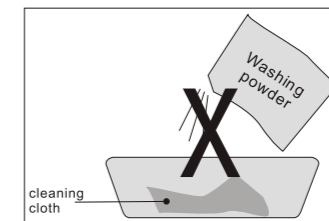
2 Mahjong tile maintenance

- Lift the mahjong tiles to the table and arrange them orderly. Clean tower with special Treyo Pledge is recommended to cleanse six surfaces of mahjong tiles by turn to remove surface filth and greasy dirt etc. Turning the tiles can save maintenance time and cost when cleansing them.



Maintenance tips

- Front the surface of mahjong tiles: The front surface may have more hand dirt owing to its grooved structure. Wet brush can be used to clean the front surface. Do not apply too much strength to avoid the paint in the groove from being removed.
- Be sure to clean the tiles with Pledge instead of chemical detergent such as washing powder and liquefied detergent etc, or the tile paint may be removed or demagnetized. The tile surface will remain smooth and a layer of protective film will be produced after cleansed with Pledge. Dry the tiles with a blower after the tiles are cleaned properly.



3 Maintenance inside the machine

- Keep the inside of the machine clean. Remove dirt away from the flannelette surface of the central rotary table in the machine with a dust catcher or a soft brush.
- Principle of maintenance inside the machine: Do not move the electric and mechanical part as much as possible and maintain the lubrication and moving conditions of the cleaning and sliding positions of the touching position of Mahjong tiles. The quality of lubricants must be liable. Poor lubricant or Pledge will increase the failure rate of the machine. Treyo Pledge is recommended to clean the tile passage and tiles.

Limited warranty

1

- Treyo 4-outlet LP-DTD platform series is subject to one-year warranty from the selling date. Charged service will be provided according to customers' requirements upon expiration of the warranty.
- Customer shall fill out the warranty certificate (in triplicate) when purchasing the machine and keep the "custom copy" of the warranty certificate. The custom copy of the warranty certificate shall be produced in maintenance to confirm whether the product is within warranty.
- Failures incurred due to product quality problem within warranty are entitled to free maintenance from the local distributor of our company with the purchasing invoice and the warranty certificate.
- The effective warranty duration will be deduced as per the delivery date of the product in case the customer has lost the warranty certificate and failed to illustrate the warranty duration.
- Charged services will be provided for products out of warranty. The charge items include the maintenance fee and parts fee.
- Mahjong tiles, frame and the tablecloth are consumables. Replacements of such consumables shall be made at the customer's expense.

2

Charged services rather than warranty to be provided in case of one of the following circumstances

- The warranty has expired
- The contents filled in the warranty certificate are not in line with the machine to be repaired or alteration is made without authorization.
- The product number has been modified or removed.
- Any damage incurred by improper transport, installation, use, maintenance and preservation
- Any damaged incurred by customer's repair, modification or disassembling and repair by non-authorized personnel of our company.
- Any loss and damage incurred by factors out of our control such as the application environment conditions of the product like power supply, temperature, humidity etc.
- Any damage incurred by force majeure.

Note: The technical parameters of the operating instructions are subject to change without notice.

Annex

! Please recognize Treyo Trademark to keep away from shoddy products.

The followings are the registered trademark of MATSUOKA MECHATRONICS (CHINA) CO., Ltd:

雀友®
QUEYOU

®
m
MATSUOKA

雀友®
TREYO

™

雀友™

TREYO™

Note: The registered trademark will be updated from time to time. Contact the Legal Affairs Department of MATSUOKA MECHATRONICS (CHINA) CO., Ltd in case of any doubt.