

# ICE TOUR MANUAL

MY018

Operator Manual V1.1



**SUNFLOWER**  
AMUSEMENT  
向日葵游乐

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# 1. Read safety information before using

## 1.1. Machine specification

1. Model: MY018
2. Rated power supply: AC220V 50/60Hz (According to nameplate which stick on the machine)
3. Size: W1600×D1030×H3000mm
4. Weight: About 350 Kg
5. Rated power consumption: 520W

## 1.2. Safety instruction

### \*\*\* Instructions to the Owner \*\*\*

If you delegate the work for installing, moving, transporting, operating, servicing the machine to other people, ensure that these people read the relevant sections of this operation manual carefully before starting work, and observe the corresponding precautions.

#### 1.2.1 Risk Level

The safety and property damage precautions on the machine labels and in this Operation Manual are classified according to their risk level, as follows.

▲ **WARNING:** These risks that cannot be avoided may result in serious personal or casualty.

▲ **CAUTION:** These risks that cannot be avoided may result in mild personal injury or other property damages.

#### 1.2.2 Definition of “Technician”

This Operation Manual is designed for arcade personnel. However, the sections marked “Must be performed by a technician” in the Table of Contents are written for technicians. These tasks must be performed by technicians only.

◆ **Technician:** A person involved in design, manufacture, inspection or service at an amusement device manufacturer, or a person involved routinely in the service or management (such as repair) of amusement devices and who has specialist knowledge of electricity, electronics or mechanical engineering equivalent to or higher than a technical high school graduate. Than a technical high school graduate

#### 1.2.3 Critical Safety Precautions

\*\*\*\*\*  **WARNING** \*\*\*\*\*

- Should an abnormality occur, turn off the power switch immediately to stop operations. Then, be sure to disconnect the power cord plug from the outlet. Operating the machine while the abnormality persists may result in a fire or accident.

- This machine includes important parts used to ensure the safety of players and bystanders. Operating the machine while these “important parts for ensuring player and bystander safety” are broken, damaged or deteriorated, or with defective installation may result in an injury to the players or bystanders. If you discover an abnormality, replace the affected part immediately. To order parts, contact your distributor.

- Dust accumulating on the power cord plug may result in a fire. Inspect the plug regularly and remove any dust.
- Fully insert the power cord plug into the outlet. Poor contact may generate heat and result in a fire or burns.
- Damage to the power cord may result in a fire, electric shock or electrical leakage. Be sure to observe the following.
  - Keep the power cord away from heaters.
  - Do not twist the power cord.
  - Do not forcibly bend the power cord.
  - Do not alter the power cord.
  - Do not pull the power cord. (Always unplug by holding the plug and not the power cord.)
  - Do not bundle the power cord.
  - Do not place objects on the power cord.
  - Do not allow the power cord to be caught between the machine and other devices or the wall.
  - Do not do anything else that might damage the power cord.
- Do not expose the power cord and power cord plug to water. It may result in electric shock or electrical leakage.
- Do not touch the power cord plug with wet hands. It may result in electric shock.
- The power capacity of the machine is AC 220V, maximum current consumption 3A. To prevent fire and electric shock, use indoor wiring that conforms to these power supply specifications.
- Use a power supply voltage range of AC 220V. Using a voltage outside this range may result in a fire or electric shock. However, to ensure that the machine operates in the optimum condition, keep the voltage at AC 220V as much as possible.
- To ensure safe use of the machine, be sure to perform the per-operation inspection. Omitting these inspections or service may result in an accident.
- Use the consumables and service parts (including screws) that are specified. To order parts, contact your distributor.
- Do not modify the machine without permission. Do not perform any operations that are not described in this Operation Manual. Modifying the machine may create unforeseen hazards.
- If you decide to transfer ownership of this machine, be sure to provide this Operation Manual with the machine.
- Do not use a water gun to clean this machine.
- Warning** –Suitable for Indoor Use Only.
- Warning** –Shock Hazard-Do Not Open. Refer servicing to service personnel.
- Warning** –Please disconnect the unit from the power supply before maintenance or replacing parts.

#### 1.2.4 Machine Warning Labels

\*\*\*\*\*  **WARNING** \*\*\*\*\*

\*\*

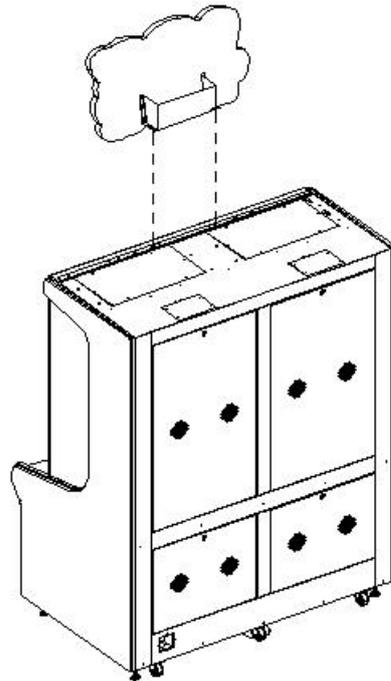
- The warning labels attached to the machine contain important information for ensuring safety. Be sure to observe the following.
  - To ensure that the warning labels attached to the machine are always clearly visible, install the machine in an appropriate location with sample illumination and keep the labels clean at all times. Make sure that the labels are not hidden by other machines or objects.
    - Do not remove or alter the warning labels.
    - If a warning label becomes excessively dirty or damaged, replace it with a new one. To order warning labels, contact your distributor.

### 1.3. Marquee Assembly Installation Instructions

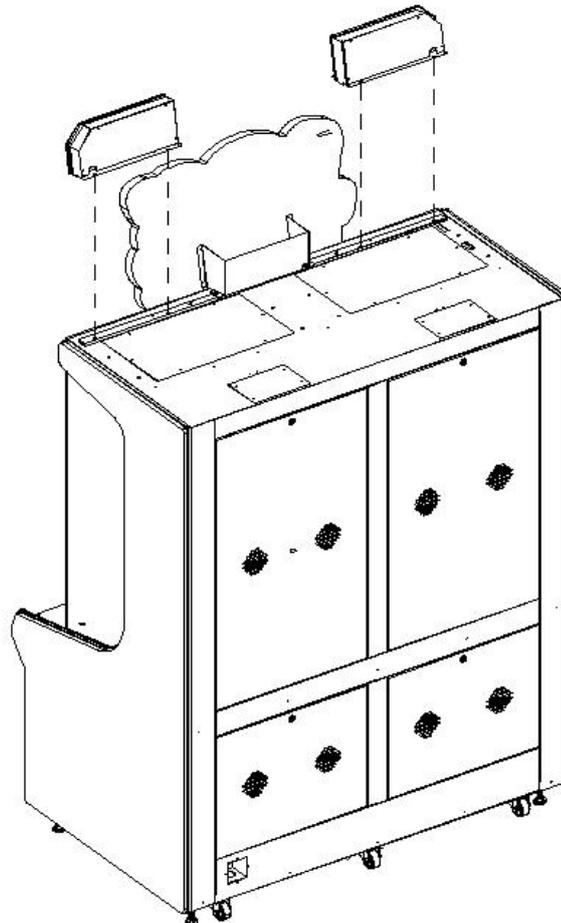
#### 1.3.1. List of Accessories bag

NO.	ITEM	Specification	QTY	PHOTO
1	Cross-head screw with double washers	M6*16	14	
2	Maintenance Door Key	556	2	
3	Cash box Key	618	2	
4	1.2 inch 3-Digit Segment Display	SEG-12-3	1	
5	Long Lever Micro switch		1	
6	F-Type Sensor	LG-JT02-1	2	
7	Power cord	2m	1	
8	Operator manual		1	

1. 3. 2. Step 1: Machine Name Marquee Acrylic Installation  
(Cross-head screw with double washers M6\*16)

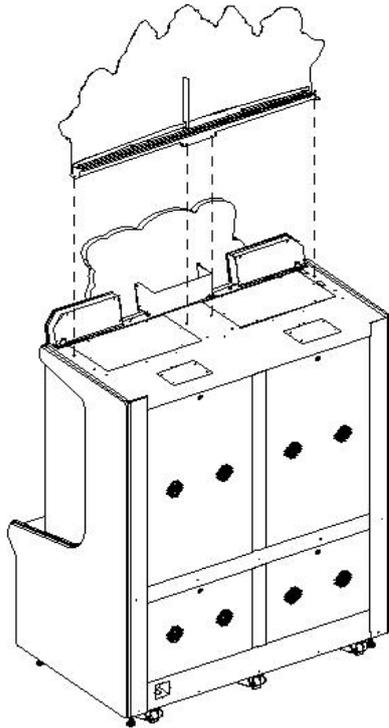


1. 3. 3. Step 2: Left/Right Speaker Box Installation  
(Cross-head screw with double washers M6\*16)



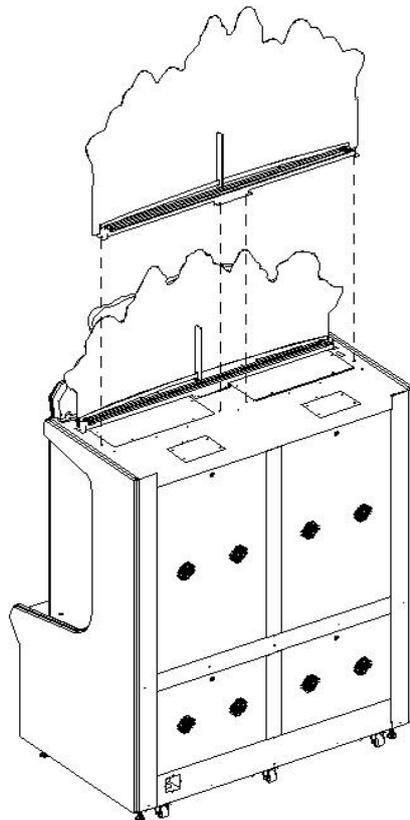
1. 3. 4. Step 3: Center Marquee Panel Installation.

(Cross-head screw with double washers M6\*16)



1. 3. 5. Step 4: Rear Marquee Panel Installation.

(Cross-head screw with double washers M6\*16)



## 2. Machine setting & Test instructions

### 2.1. Setting instructions

#### 2.1.1. Setting Panel Description



<b>UP / TEST</b>	Up / Long press to enter settings mode
<b>DOWN / 1P SERVICE</b>	Down / 1P Free Play / Long press to clear 1P credit
<b>ENTER / 2P SERVICE</b>	Enter / 2P Free Play / Long press to clear 2P credit

1 . General Settings			Range	Default
1	<b>Coins/Game</b>	Set number of coins per game	0-10	1
2	Game Time	Set game duration per game	20s-120s	30
3	Bonus Base	Set base value for BONUS	200-5000	1000
4	Bonus Max	Set maximum value for BONUS	200-5000	1500
5	Bonus Inc	Set number of coins inserted required to increase BONUS value by one	0-20	1
6	Mercy Ticket	Set minimum number of tickets awarded per game (consolation tickets)	0-20	3
7	Idle BGM	Set whether to have background music during idle mode	ON/OFF	ON
8	Idle Show	Set whether to have demo mode during idle	ON/OFF	ON
9	Save Coins	Set whether to save coin count and ticket count during power outage	ON/OFF	ON
10	<b>Ticket Out</b>	Set the average number of tickets to be given out per Play. When set to 'None', the machine will not dispense tickets.	None / 3~50	30
11	Angle	Set the relative angle between the two shafts during gameplay. Different angles correspond to different game difficulties. Unit: o'clock. <ul style="list-style-type: none"> <li>When set to "Random-ALL", the relative angle of the two shafts will appear randomly.</li> <li>When set to "Random-xxx", the relative angle of the two shafts will appear randomly, and BONUS jackpot cannot be won for xxx games after a BONUS is won.</li> </ul>	1-12o'clock Random-ALL Random-30 Random-50 Random-100 Random-150	Random-50
12	Draw Back	Players are allowed or not allowed to operate the joystick to move the ball downward during gameplay.	YES/NO	YES
13	Exit	Exit current settings		

## 2 . Target Score (Advanced settings typically do not require modification under normal circumstances.)

( Parameters can be individually adjusted only when SW1 on the motherboard is set to ON. )

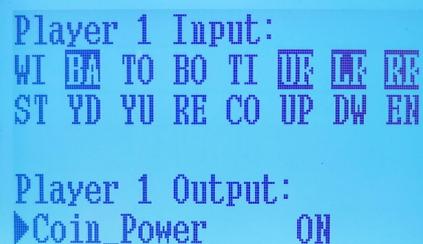
			Range	Default
1	Target Score 1	Value for the 1st target score display	1-250	3
2	Target Score 2	Value for the 2nd target score display	1-250	5
3	Target Score 3	Value for the 3rd target score display	1-250	8
4	Target Score 4	Value for the 4th target score display	1-250	10
5	Target Score 5	Value for the 5th target score display	1-250	15
6	Target Score 6	Value for the 6th target score display	1-250	20
7	Target Score 7	Value for the 7th target score display	1-250	30
8	Target Score 8	Value for the 8th target score display	1-250	50
9	Target Score 9	Value for the 9th target score display	1-250	100
10	Exit	Exit current settings		

## 3 . Target Speed (Advanced settings typically do not require modification under normal circumstances.)

( Parameters can be individually adjusted only when SW1 on the motherboard is set to ON. )

			Range	Default
1	Target Speed 1	Rotational speed of the shaft when passing the target, counting from bottom; Shaft rotation speed when passing the 1st target (The faster the speed, the greater the difficulty of the game.)	1-10	3
2	Target Speed 2	Shaft rotation speed when passing the 2nd target	1-10	3
3	Target Speed 3	Shaft rotation speed when passing the 3rd target	1-10	3
4	Target Speed 4	Shaft rotation speed when passing the 4th target	1-10	3
5	Target Speed 5	Shaft rotation speed when passing the 5th target	1-10	5
6	Target Speed 6	Shaft rotation speed when passing the 6th target	1-10	6
7	Target Speed 7	Shaft rotation speed when passing the 7th target	1-10	7
8	Target Speed 8	Shaft rotation speed when passing the 8th target	1-10	7
9	Target Speed 9	Shaft rotation speed when passing the 9th target	1-10	7
10	Exit	Exit current settings		

## 4-5 . Player 1/2 Test (Machine Function Test)



Player 1 Input:  
WI **WI** TO BO TI **UR** **UR** **RE**  
ST YD YU RE CO UP DW EN

Player 1 Output:  
▶Coin\_Power ON

<b>Input</b>	<b>When a switch is pressed or a sensor is triggered, the corresponding character becomes black background.</b>			
	WI	Top BONUS button signal	ST	Start button signal
	BA	Micro switch signal in ball tray	YD	Joystick down micro switch signal
	TO	Rail top limit micro switch signal	YU	Joystick up micro switch signal
	BO	Rail bottom limit micro switch signal	RE	Repair button signal
	TI	Ticket dispense feedback signal	CO	Coin acceptor signal (Note: Test with power)
	UR	Ascend motor rotation sensor signal	UP	UP setting button
	LR	Left shaft rotation sensor signal	DW	DOWN setting button
	RR	Right shaft rotation sensor signal	EN	ENTER setting button
<b>Track</b>	<b>Directly operate the joystick to control the tray moving up and down on the rail. Note: The up/down movement is NOT controlled by limit switches during this test.</b>			
<b>Output</b>	<b>Use the UP and DOWN buttons to select the item to test, press the ENTER button to perform the test.</b>			
	Coin_Power	Coin acceptor power-on test		
	Start_LED	Start button LED power-on test		
	Ticket_Out	Ticket dispense control test		
	Yoy_LED	Joystick ball LED power-on test		
	Ball_LED	Tray LED power-on test		
	Win_LED	Top BONUS button LED power-on test		
	Coin_Counter	Coin counter power-on test		
	Ticket_Count	Ticket counter power-on test		
	Sound	Sound playback test		
	SEG	Segment display test		
	Turn	Shaft rotation test		
	LED	Decorative LED strip control test		
Exit Test	Exit current test			

### 3. Machine setting & Test instructions

#### 3.1. Fault code description and fault handing

<b>Fault Code</b>	<b>Errors</b>	<b>Reason/Solution</b>
Error-1	ERROR_COIN Coin Acceptor Fault	1. Coin jam 2. Change coin acceptor or card reader output signal to "NO" or "NH" 3. Check wiring
Error-2	ERROR_TICKET Ticket Dispense Fault	1. Out of tickets 2. Ticket dispenser fault 3. Check wiring
Error-3	ERROR_BOTTOM_SEN Rail Bottom Sensor Fault	1. Check if the ascending belt is loose or broken 2. Check if rail slider moves smoothly up/down 3. Replace rail bottom limit position sensor
Error-4	ERROR_TOP_SEN Rail Top Sensor Fault	1. Check if the ascending belt is loose or broken 2. Check if rail slider moves smoothly up/down 3. Replace rail top limit position sensor
Error-5	ERROR_BONUS_SEN Jackpot(BOUNS) Sensor Fault	1. Replace Jackpot(BOUNS) sensor
Error-6	ERROR_BALL_SW Ball Sensor Fault	1. Replace microswitch on the ball tray
Error-7	ERROR_LEFT_SHAFT Left Shaft Sensor Fault	1. If left rotation motor has no action: Check a. Left rotation motor b. Left motor driver c. Motor signal driver board 2. If left rotation motor has action, replace left rotation sensor
Error-8	ERROR_RIGHT_SHAFT Right Shaft Sensor Fault	1. If right rotation motor has no action: Check a. Right rotation motor b. Right motor driver c. Motor signal driver board 2. If right rotation motor has action, replace right rotation sensor
Error-9	ERROR_UP_MOTOR Ascend Motor Fault	1. Check if the ascending belt is loose 2. Check if pulley screws are loose 3. Replace ascend motor

## 4. Machine Maintenance

Even if the machine is operating normally, in order to keep the machine operating in the best condition and use it for a longer period of time, please conduct daily inspection and maintenance on the following:

1. Check whether the feet support the machine properly.
2. Check whether the gun group is damaged and whether the movement is smooth.
3. Regularly check whether the crab activities are normal.
4. Check whether the lock of the ball compartment is loose.
5. Check whether the screws fixing the parts are loose.
6. Check whether the connectors are loose and whether the terminals are off.

Maintenance precautions:

1. When performing maintenance, please cut off the power supply to prevent injury, electric shock, etc. of the operator or other persons.
2. When performing operations that are not mentioned in this manual, please consult the company's after-sales service center, follow the instructions and answer before proceeding.
3. Please use our company's designated products for consumables and repair parts.
4. Even if the main power supply is cut off, the power supply board and the inside of the display are still in a high temperature and high pressure state. If they are touched, there is a danger of burns and electric shocks. Please be careful not to touch it.



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