Operation Manual

WE ARE HERE TO ASSIST

For parts and service

Have Questions? Contact us!

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CONTENT

Thank you for purchasing **Work Zone GMP.** We hope you enjoy the product.

This manual contains valuable information about how to operate and maintain your game machine properly and safely. It is intended for the owner and/or personnel in charge of product operation. Carefully read and understand the instructions.

If you need any help during installation and setup please utilize this manual and troubleshooting guide. If the product fails to function properly, *non-technical personnel should under no circumstance attempt to service the machine*. Contact your distributor or manufacturer for help.

Before use, please read **IMPORTANT SAFETY INSTRUCTIONS**.

IMPORTANT SAFETY INSTRUCTIONS

To ensure the safe usage of this product, carefully read and understand these instructions before operating your game. Save these instructions for future reference.

Use this product only as described in this manual. Other uses not recommended may cause fire, electric shock or personal injury. Unplug the game from the outlet when not in use, when moving from one location to another, and before cleaning/servicing.

Explanations which require special attention are indicated by signs of warning. Depending on the potential hazardous degree, the terms: **NOTE**, **NOTICE**, and **WARNING** are used.

NOTE: A NOTE indicates useful hints or information about product usage.

NOTICE: A NOTICE indicates potential damage to product and how to avoid the problem.

WARNING: A WARNING indicates a potential for product damage or serious personal Injury.

It is important to understand the meaning of the following HAZARD SIGNS before continuing:

High Voltage and Shock Hazard:

High voltage can cause electric shock.

Turn off/unplug power before servicing.

High Temperature Hazard:

This part may cause scalding.

Do not touch. Surface may be hot.

No Touching Hazard:

This part may be hot or can cause electric shock.

Do not touch.

Use the following safety guidelines to help ensure your own personal safety and to help protect your equipment and surrounding environment from potential damage.

⚠This product is an indoor game machine. Do not install outdoors.

Avoid installing in the following places to prevent fire, electric shock, injury and/or machine malfunctioning:

- Places subject to rain/moisture, or places subject to high humidity.
- Places subject to direct sunlight, or places subject to extremely hot or cold temperatures to ensure that it is used within the specified operating range.
- Places where inflammable gas may be present or in the vicinity of highly inflammable/volatile chemicals or items that can easily catch fire.
- On unstable or sloped surfaces. The machine may topple or cause unforeseen accidents.
- Vicinity of fire exits, fire extinguishers etc that may block/prevent safety measures.

IMPORTANT NOTE:
ALL REPAIRS MUST BE DONE TO ORIGINAL MANUFACTURER SPECIFICATIONS. FAILURE TO DO SO VOID ALL WARRANTIES AND OPERATOR ASSUMES ALL RISKS.

Note: The contents of this manual may be updated without notice.

1. SPECIFICATIONS

Rated power supply: AC110V 50/60Hz; AC220V 50/60Hz;

Min. Power consumption: 150W

Max. Power consumption: 200W
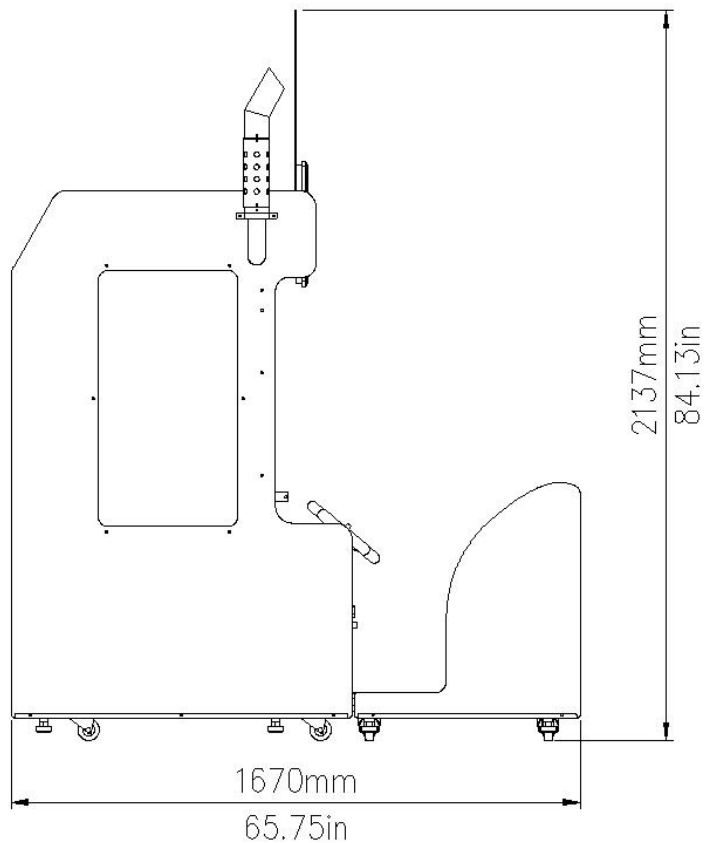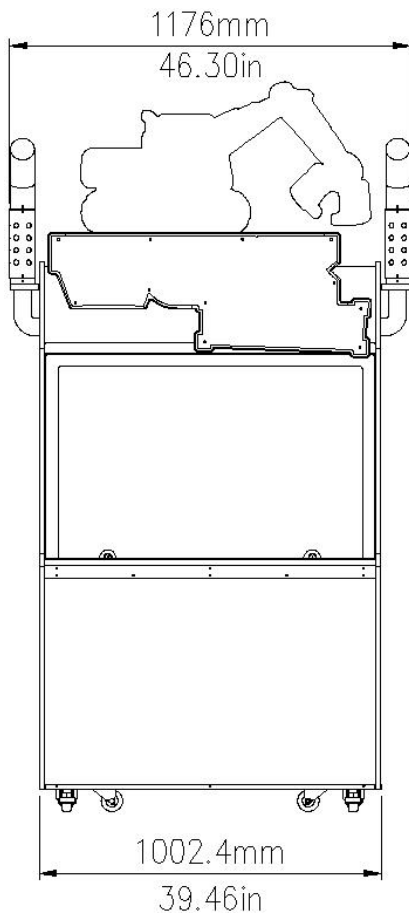
Dimension: H84.13×W39.46×D65.75 in

        H2137 ×W1002.4 ×D1670 mm

Weight：Approximately 617.29 lb/ 280kg

Model No: T-376

⚠ **NOTICE:**   After turning off the game, please wait at least 1 minute before restarting again.

Note: Game specifications are subject to change without notice.

2. CONTENTS OF THE ACCESSORY KIT

Open the package and make sure all the items are included:

Following accessories

No.	Code No.	Name/SPEC	Picture	Qty
1	/	Manual		1
2	/	Power cord 3M		1
3	2.19.01.000004A	Fuse Φ5×20mm T5A 250VAC		2
4	2.53.00171002	171A key		2
5	2.53.00172002	171B key		2

NOTE: Part models are subject to change without notice.

3. PART NAME

Key Components

Marquee

Pipe

Crane

Monitor

Driving wheel

Seat assembly

4. SET UP & INSTALLATION

⚠ **NOTICE**

<div style="border:1px solid black">

We do not recommend using power tools as they may cause damage.

</div>

⚠ **This product is an indoor game machine. Do not install outdoors.**

- Refer to IMPORTANT SAFETY INSTRUCTIONS (Pg. 3) for places to avoid.
- Place the unit on a dry level surface.
- Ventilation openings in the back of the unit must not be obstructed by objects or by wall.

4.1 Transporting the Game

If you need to move the game, adjust the levelers back to an "up" position.
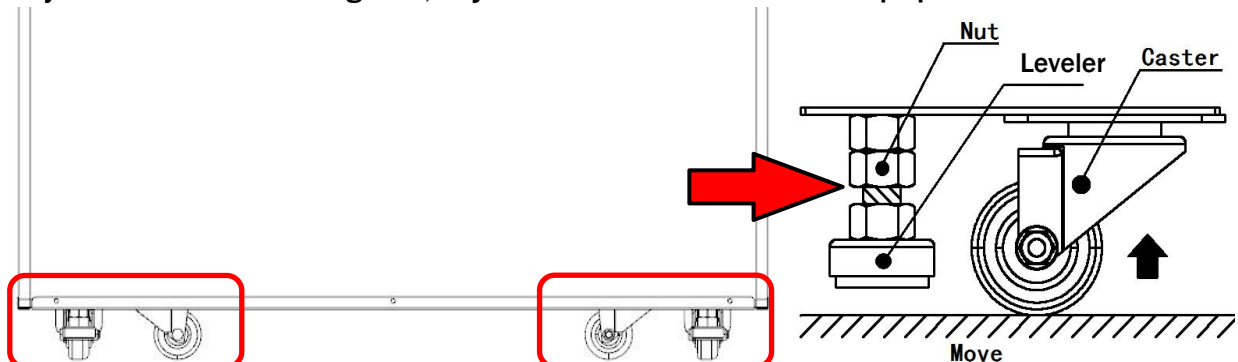
⚠ **NOTICE**

- Be careful not to damage the machine during transport.
- Always unplug the game before moving.
- Keep the machine in upright position during transport.
- For longer distance transport, package the game properly to prevent damages.

4.2 Level Adjustment

Install this game on a flat surface. If the game is installed on an unsuitable floor, it could cause game malfunction.

To secure the game, loosen the nut, utilize wrench to adjust the leveler down until it touches the floor, lifting the casters off the ground by 0.2 in/5mm. Repeat the same for all levelers.
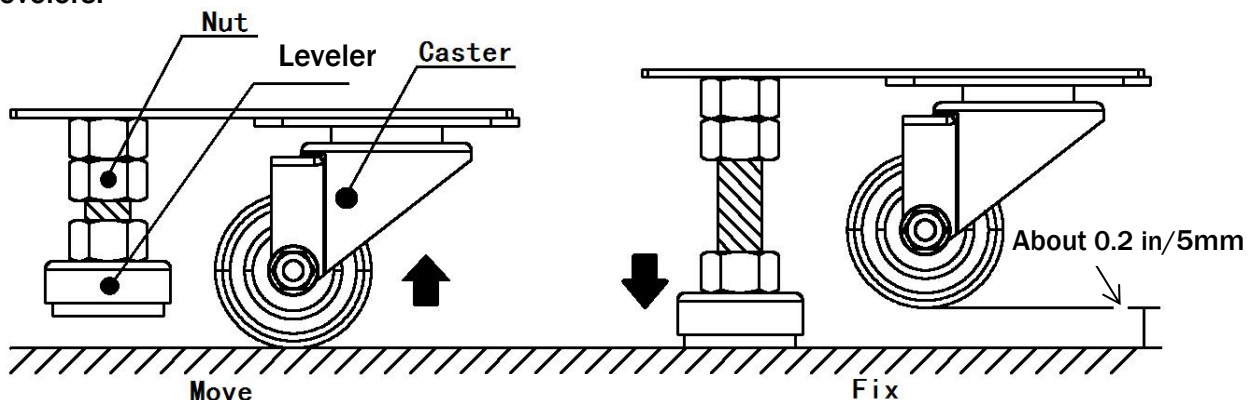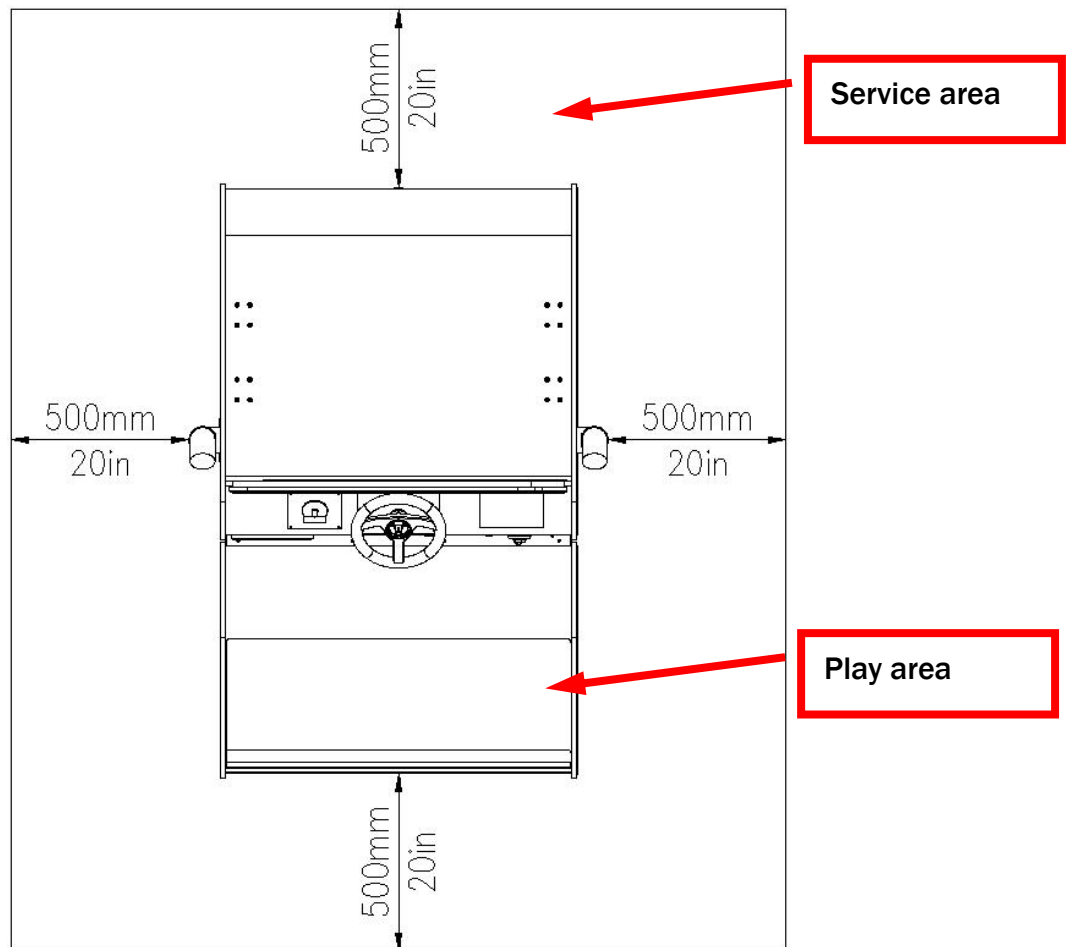

⚠ **NOTICE**

Make sure the machine is level.

4.3 Play Zone

This machine requires space for playing and for maintenance as shown below.

Leave space around the game upon installation:
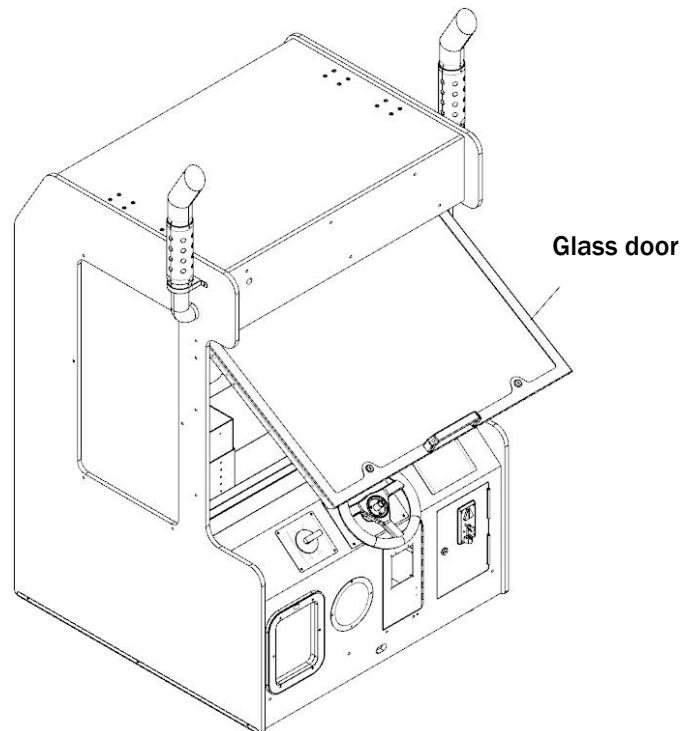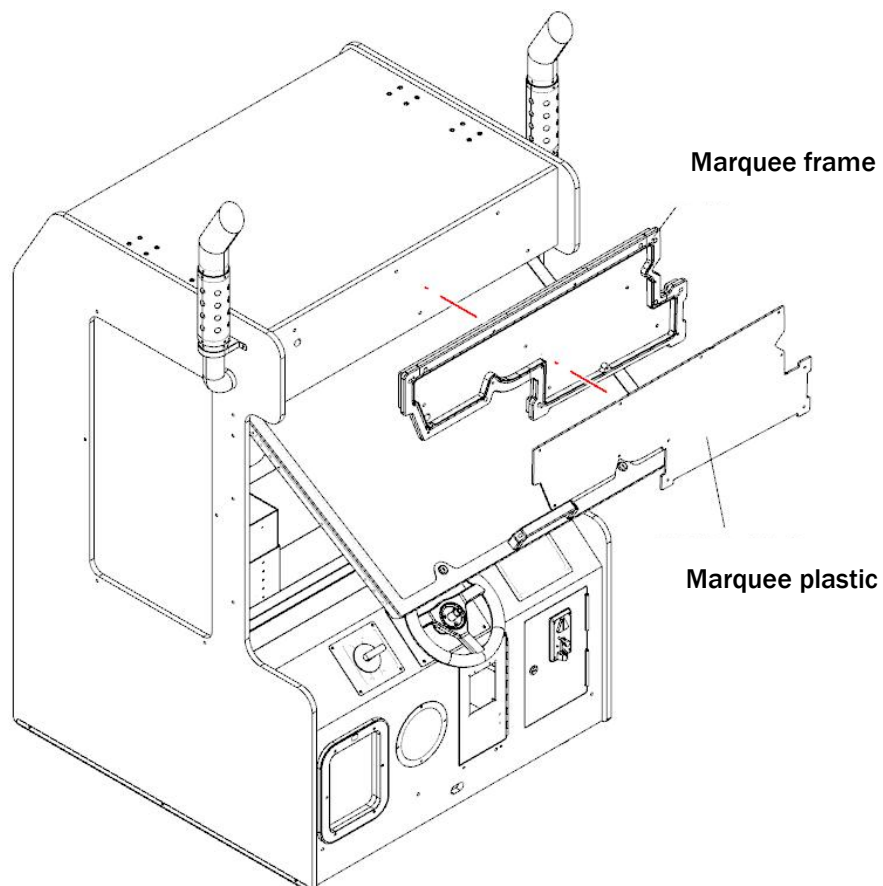
Service area: 500 mm

NOTICE

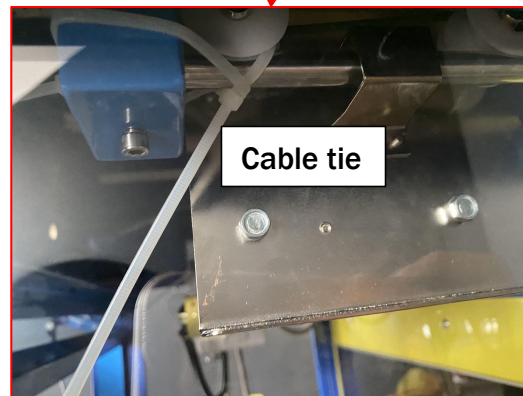**Your unit must be leveled to operate properly.**

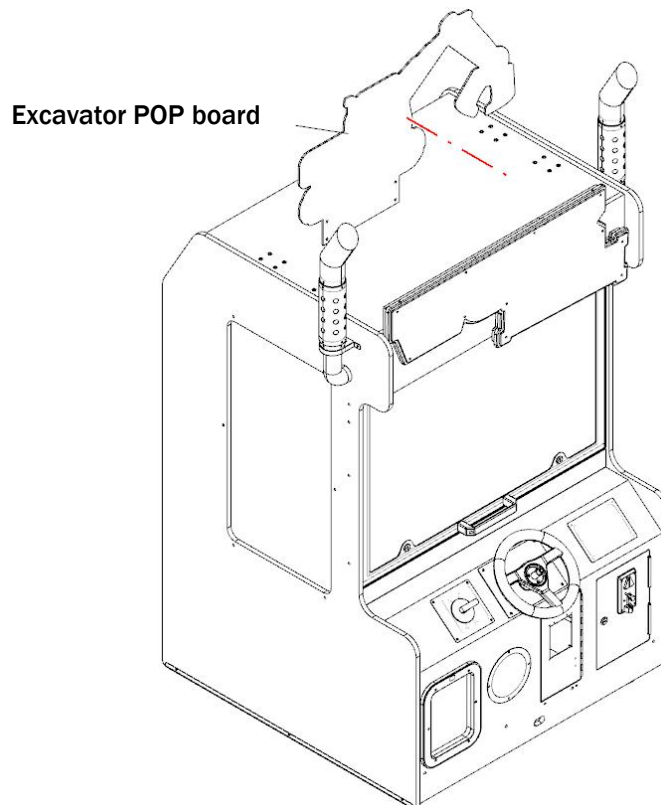## 4.4 Machine Installation

Step 1 Open the front glass.

Glass door

**Step 2 Install Marquee frame and Marquee plastic to the top of the cabinet. Connect the connectors.**

Marquee frame

Marquee plastic

Step 3 Utilize tools to remove Crane cable tie. Close the Glass door.

Cable tie

Step 4 Install excavator POP board to the back of the Marquee.

Excavator POP board

Step 5 Align the Seat assembly to the cabinet. Utilize screws to secure. Connect the connectors.

Cabinet

Seat assembly
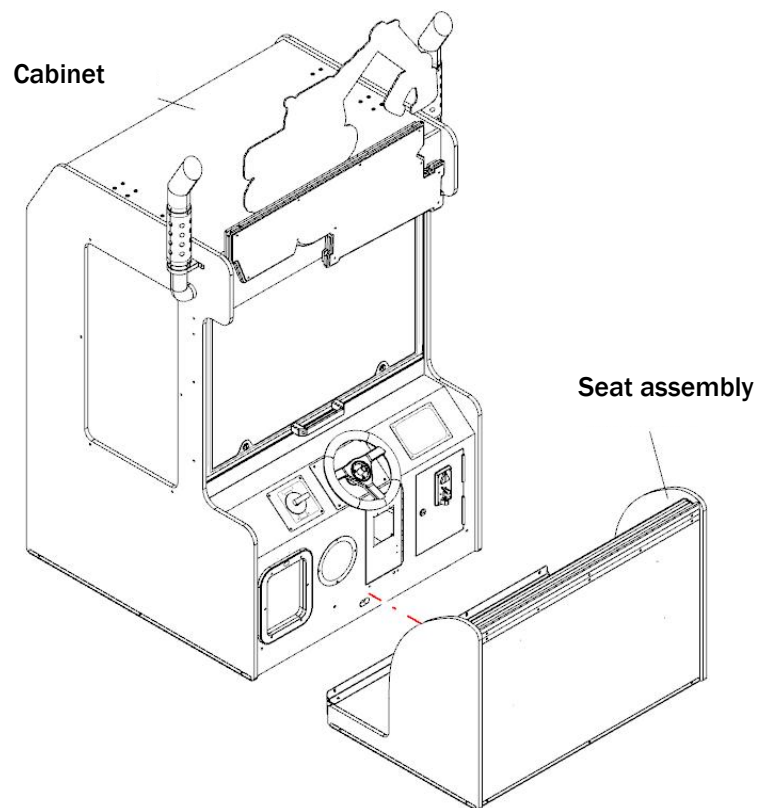
Finish!

4.5 Card Reader Installation Safety Notice

⚠ Take precaution to assure that all wiring voltages are confirmed prior to installation of card reader. All warranties are void if not properly installed resulting in logic board damage.

Important: This game is pre-wired to AAMA standards. It is highly recommended to utilize this wiring for Card reader installation.

5. HOW TO PLAY

1. Insert coins to play. Control the car to collect building block to the destination.

2. Toy tower making after collect building block to the destination.

3. Activate Clawing Game after driving the car to the destination.

4. Turn the steering wheel to control crane left& right. Pull the rod down, the crane falls down and grab the prize.

5. Claws grab the gift rise to the top, then move to the prize exit to release the prize, players win the prize.

6. GAME OPTION

6.1 Adjustment button instruction
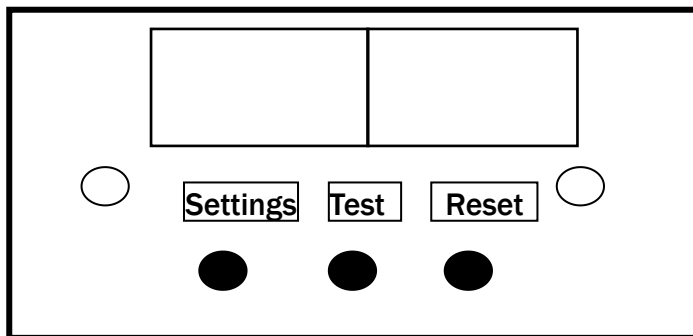
Open the coin door and there is a meter panel. Press Settings button to enter the setting menu.

6.1.1 Main menu

Options
Basic Setting
Customized Setting
Input Test
Output Test
Game Reset
Date/Time Setting
Language/语言
Bookkeeping
Daily Record
Back To Game

6.1.2 Basic Setting

Options	Status
Free Play	OFF_ON
Demo Music	OFF_ON
Memory Save	OFF_ON
Volume	1_10
Coins Per Game	1_10
Pay Mode	Coins_Card_Insert Coins/Tap Card
Back&Save	
Back	

6.1.3 Customized Setting

Options	Status
Game Time(s)	40~480
Ordinary Candy House Quantity	1_100
Luxury Candy House Quantity	1_100
Extreme Luxury Candy House Quantity	1_100
Gift Mode	Gift Time_Candy Time
Grasp Gift Mode	Time Mode_Plays Mode
Grasp Gift Time	10_60
Grasp Gift Chances	OFF_1-10
Grasp Gift Times	OFF_1-10

6.1.4 Input Test

Options	Status
Coin	OFF_ON
Pull Rod Down	OFF_ON
Gift infrared	OFF_ON
Wheel ADC	0-255
Back	

6.1.5 Output Test

Options
Gift Door Light
Inside Upper Light
Back

6.1.6 Game Reset

Options
Factory Restore
Reset Basic Setting
Reset Customized Setting
Clear All Records
Clear Unused Coins
Back

6.1.7 Date/Time Setting

Options
Year
Month
Day
Hour(24)
Minute
Second
Back&Save
Back

6.1.8 Bookkeeping

Player	Coins	Present	Present Payout

Back

6.1.9 Daily Record

Date	Weekday	RunTime	Coins	Present	Present Payout

Prev. Page
Next Page
Clear
Back

6.2 Claw Setting Menu

Keyboard instruction
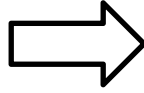
Open front door with door key, there is a Keyboard. Press "Enter" button to enter the setting menu.

After entering the menu, use the keyboard to control display cursor to up, down, left and right to choose, press "Confirm" button to enter or save.

Options	Description
L	Move display cursor to left
R	Move display cursor to right
up	Move display cursor to up
Down	Move display cursor to down
Enter	Key button to enter setting menu from gameplay
Confirm	To confirm every selection

6.2.1 Main menu

Options
Accounts
SetUp
Test
SysInfo
Exit

6.2.2 Accounts: operation records are included as below

Options	Description
Coins	The total number of coins inserted.
Games	The number of game rounds.
Gifts	The number of prize out.
Last Win	The number of prize out after adjusting the grip (error times/accurate times).
Coin in	The number of coins inserted on site.
MobilePay	The total number of coins that are scanned by mobile phones of all connected machines.
Pool	The value of each game is increased by 1, the value of the winning prize rate is reduced for each prize.

6.2.3 Set Up: Basic set up & Advance set up are included as below

Basic set up

Enter the Advanced settings, enter the password (initial password "80000000"), then press the Confirm button to enter.

Options	Adjustable value	Default	Description
Game time	30-60 Sec	60 Sec	The game time of each round.
Coins/game	1-20	1	The number of coins for each game.
Win Rate	2-999	2	Set how many rounds of the game to win a prize.
*: (If you change the Win rate, the number of players' games will not be cleared, and will be counted in the next round of winnings. If you need to calculate from 0, please clear the account).			
Game mode	Keep/Lck/Rnd	Keep	Set the game mode. Please see 8.3 for detail instruction.
Max Pwr Cnt (Assuring times)	0-5	5	0 means that when the strong claw power comes, there will be an unlimited number of powerful claw until win the prize; 1 means when the strong claw power comes, if cannot win the prize, will only give 1 chance for strong claw power.
Claw Strength	Please see 6.2.3.1	/	Adjust claw power
Drop	Mode A/ Mode B/Mode C	/	Drop the prize Please see 8.4 for detail instruction.
Cable length	/	/	Adjust the descending length of the claw to the bottom of the prize.
Move speed- X Speed (Left and right)	40-100	75	Motor speed. The larger the value, the faster the speed.
Move speed- Y Speed (Front and rear)	40-100	85	Motor speed. The larger the value, the faster the speed
Move speed- Z Speed (Up and down)	40-100	40	Motor speed. The larger the value, the faster the speed
Position	X: Y:	/	The Prize drop position.
Key delay	0-99ms	0ms	There is a delay when using the joystick.
CLED	UnSync/Mst/Slv	UnSync	Color LED
Clear Bill			Clear accounts and player play times.
Password			Modify the password to enter the advanced setting.

Note: Basic set up initial passwords can be changed by operator in "Password" option

Advance set up (Special for Factory Service Usage)

⚠ **NOTICE**

Do not recommend to change here without consulting UNIS factory servicing center. Change settings may cause the machine to be faulty.

Factory settings already set these data with a proper default, therefore do not recommend.

Enter a 8 digits password (initial password "53712896"), then press "Confirm" button.

Options	Adjustable value	Default	Description
Save Len	0-100	/	Safety length.
C2 TIME	50-995	/	Release claw time.
Origin	LF/LB/RF/RB		Adjust the claw.
Backup	ON/OFF		
POSAVEA	ON/OFF		
POSAVEB	ON/OFF		
LedMode	ON/OFF		
SellCard	ON/OFF		
LSpeedCan	ON/OFF		
Voltage			Claw voltage.
Safeguard			
Link Set			
PayModule			
Factory Reset			
Language/中文			
Back			

Note: Advance set up initial passwords can not be changed in any way!

6.2.3.1 Claw Strength

Options	Adjustable value	Default	Description
C1 Force	1-48	40	The power of close the claw after it down and raised
C2 Force	1-48	38	The transitional claw power, starting shaking prize power.
C3 Force	1-48	39	The power of close the claw when the claw returns back the origin after rising.
C4 Force	1-48	45	The claw closing power (strong claw) in the whole game.
C2 height	1-9	6	The height of the prize to be picked up; 1 means highest; 9 means lowest.
Catch Test			Move the joystick, press the start button and lower the claw to test whether the claw power is correct.
Auto Set			Adjust the claw automatically. Please see 2.3 for detail instruction.

6.2.4 Machine test

Options	Description
Win signal	Automatic test
Coin signal	
F/B move	
L/R move	
Up Move	
Down Move	
Music Test	
Mantest*(Manual test)	Move joystick to test claw move. Long press the button and turn the joystick up/down to control claw up/down. Press the button twice to leave.

6.2.5 System Information

Options	Description
Information	
Version	Software version
Date	Software update date

7. TROUBLESHOOTING

7.1 Common Problem

Please confirm that all connectors fit tightly.

Symptom	Possible Cause	Recommended action
Game will not start	Frame assembly connector is loose.	Check connector.
	Frame assembly fault	Contact with UNIS Service.
Power off	Circuit protector make power SW in off state.	Turn on power SW again. If appeared again and again, machine has anomaly. Please contact with UNIS Service.
No sound	Low volume	Raise the volume.
	Connector loose.	Check connector.
	Speaker fault.	Check speaker.
	POT installation error.	Install POT correctly.
	POT fault.	Change POT.
	Audio cable problem.	Reconnect the audio cable or change it.
Display black screen	Check connectors.	Plug in connector tightly
	Display fault.	Utilize another source such as a PC to verity if the display is operational.
Display blue screen	VGA signal cable is loose.	Check VGA cable

If you see following error signs showing on the Setting panel, please try the recommended action.

Display	Possible Cause	Recommended action
Do not shake the machine	Shake the machine or tilts the machine.	Do not shake the machine.
		The anti-shake alarm device is stuck.
Please take away the gift	Prize optical sensor recognition is abnormal.	Take out the prize.
		Optical sensor cloth should be pasted flat on the front.
	The Optical sensor is faulty.	Replace Optical sensor.
Coin slot error	The coin mechanism signal is faulty.	Turn the NO/NC switch to the NO position.
	The coin mechanism is faulty.	Replace coin mechanism.
Crane sensor malfunction	The crane do not touch the front limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the front limited sensor and Front&back motor connector.
	Front limited sensor is faulty.	Replace Front limited sensor.
	Front&back motor is faulty.	Replace Front&back motor.
Crane sensors stop failure	The crane do not touch the Back limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the Back limited sensor and Front&back motor connector.
	Back limited sensor is faulty.	Replace Back limited sensor.
	Front&back motor is faulty.	Replace Front&back motor.
Crane left stop failure	The crane do not touch the Left limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the Left limited sensor and L&R motor connector.
	Left limited sensor is faulty.	Replace Left limited sensor.
	L&R motor is faulty.	Replace L&R motor.
Claw rising fault	The claw do not touch the Rising limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the Rising limited sensor and Rising motor connector.

Display	Possible Cause	Recommended action
Claw rising fault	Rising limited sensor is faulty.	Replace Rising limited sensor.
	Rising motor is faulty.	Replace Rising motor.
Paw drop failure	The claw do not touch the Lower limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the Lower limited sensor and Lower motor connector.
	Lower limited sensor is faulty.	Replace Lower limited sensor.
	Lower motor is faulty.	Replace Lower motor.

If you see following error signs showing on the display, please try the recommended action.

Display	Possible Cause	Recommended action
⚠ IO COM ERROR	The connection part of the IO board is loose.	Check and reconnect the loose part of the IO board.
	Cable became loose during transport.	Check and reconnect the loose cables of the IO board.
	Cable quality problem	Change the cable after checking the connection between IO board.
	IO board is faulty.	Reboot the game after checking connection and cable problem, if the problem remains unresolved, please call the service department for assistance.

7.2 System Recovery Operation (NOTE: Do not disconnect power during this process.)

1. Turn off the game. Remove the recovery stick from the holder. (Note: This process may take up to 30s)

2. Turn game on. Insert the recovery stick into the port of the Android board.

Note: Don't insert the recovery stick into your Android board while is powering on the machine.

2. The system recovery screen as shown.
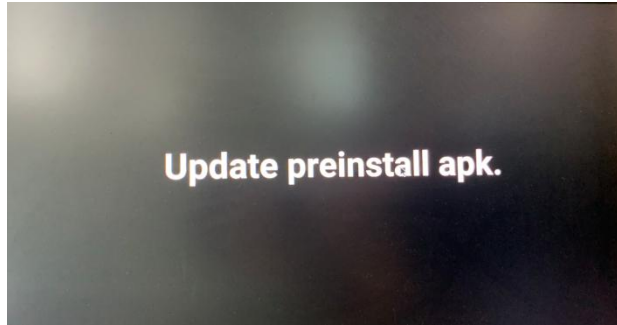
3. The game will automatically start recovery.

4. Once system recovery is finished and the Game list screen appear, remove the recovery stick from the Android board.

5. Assure that the recovery stick has been properly secured for future use.

⚠ **WARNING**: The recovery stick should only be used to fix software errors. Using it for

other purposes may cause unexpected results and damages.

8. MAINTENANCE & INSPECTION

8.1 Safety Check

Check the points listed before operating the machine. These checks are necessary for safe machine operation:

1. Test game before operation each day.
2. Conduct monthly routine checks of game components to ensure good working condition.
3. Check the machine regularly for dust and clean when necessary.

Note: Parts and components require preventative maintenance to maintain proper operation.

8.2 Handling Precautions

When installing or inspecting the machine, be very careful and pay attention to ensure that the player can enjoy the game safely.

Inappropriate handling running counter to the cautionary matters can cause personal injury or damage to the machine.

⚠ **NOTICE**

We do not recommend using power tools as they may cause damage.

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Work Zone GMP Wiring Diagram 1

UNIS

Name: Work Zone GMP Wiring Diagram 1
Size: A2　Ver: GCLPC-G-PX-01
Date: 2022-08-25

GCLPC-PX-009

Connector labels: B2 HF 10P / 45P / 60P C6351; AC IN; Adapter; E0 HM 90 / A9 46 B4 HF C4201; B1 HF 10X2 A0 C4201; B3 HF 10P / 45P / 60P C6351; Card reader C5030/9P (A9 9 GND, 8, 10 :, 46 2 COM, 1 +12V); DBV C4140/9P (A0 9 GND, 8 Cash, 10P 7 COM, 60P 6 N, 45P 5 G, 3, 10P 1)

Wire color code

9	white	H	grey	R	AWG14 UL1007
8	grey			Q	AWG16 UL1007
7	violet	G	violet	P	AWG18 UL1007
6	blue	F	blue	O	AWG20 UL1007
5	green	E	shield layer	N	AWG22 UL1007
4	yellow	D	sky blue	M	AWG24 UL1007
3	orange	C	light green	L	AWG26 UL1007
2	red	B	pink	K	AWG28 UL1007
1	brown	A	black	J	AWG30 UL1007

Wire size code

size	
4001~5000	±50
3001~4000	±40
2001~3000	±30
1001~2000	±20
0~1000	±10

Tolerance

Unit：mm