



## IMPORTANT



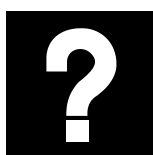
Be Sure  
to Read this  
Manual  
Before Use



UNIS TECHNOLOGY

# Operation Manual

## WE ARE HERE TO ASSIST For parts and service



**Have Questions? Contact us!**

### UNIS SERVICE CENTER

Tel: 972-241-4263

Email: [service@unispartsandservice.com](mailto:service@unispartsandservice.com)

[www.unispartsandservice.com](http://www.unispartsandservice.com)

When contacting Service, you will need the following information  
and the name of your authorized distributor.

INDOOR MACHINE	
NAME: Toy Box LCD GMP	MAX POWER: 280W
MODEL: T-410	MIN POWER: 165W
S/N:	FREQUENCY: 50/60Hz
VOLTAGE: AC110V~	DATE:
Guangdong UNIS Technology Co.,Ltd.	

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Thank you for purchasing **Toy Box LCD 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;

Min. Power consumption: 165W

Max. Power consumption: 280W

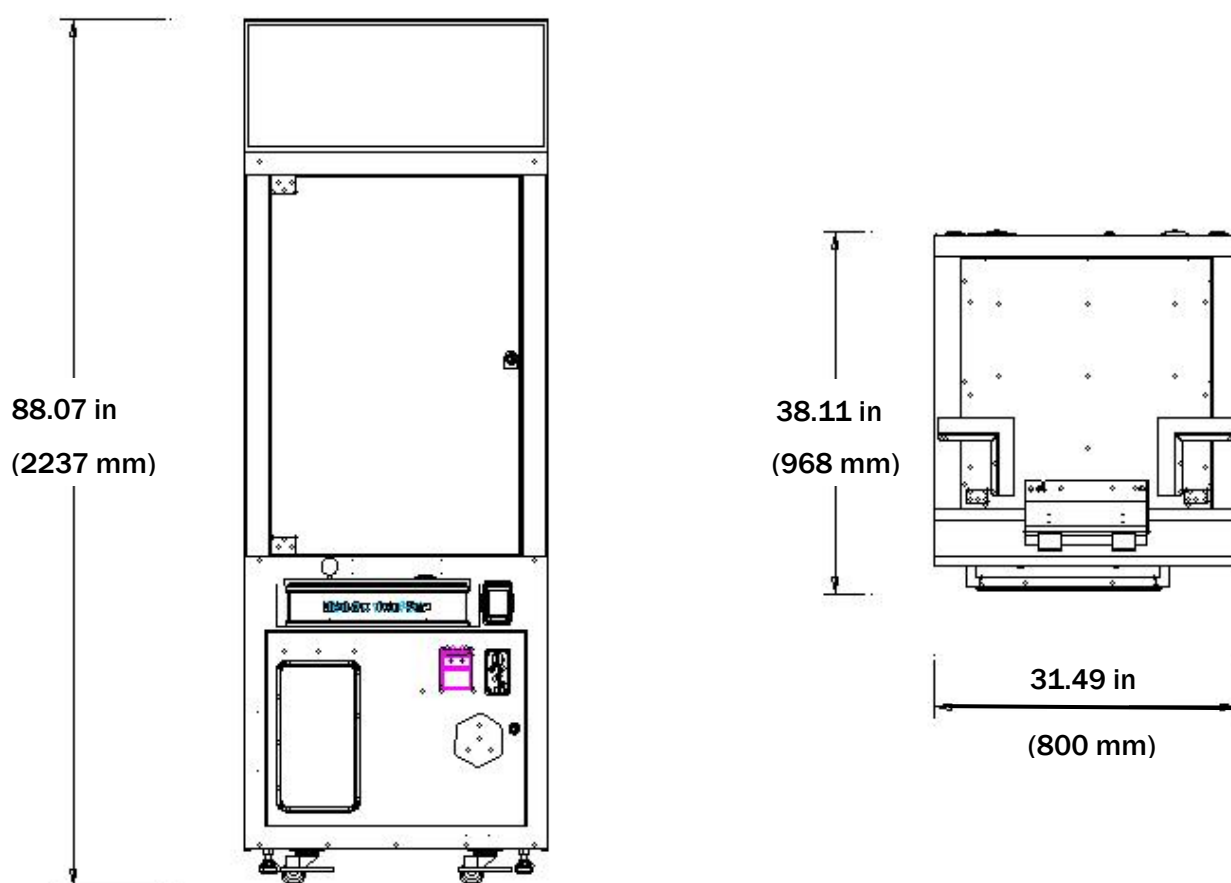
Dimension: H88.07×W31.49×D38.11 in

H2237×W800 ×D968 mm

Weight: Approximately 350.53 lb/159 KG

Model No: T-410

**! 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:

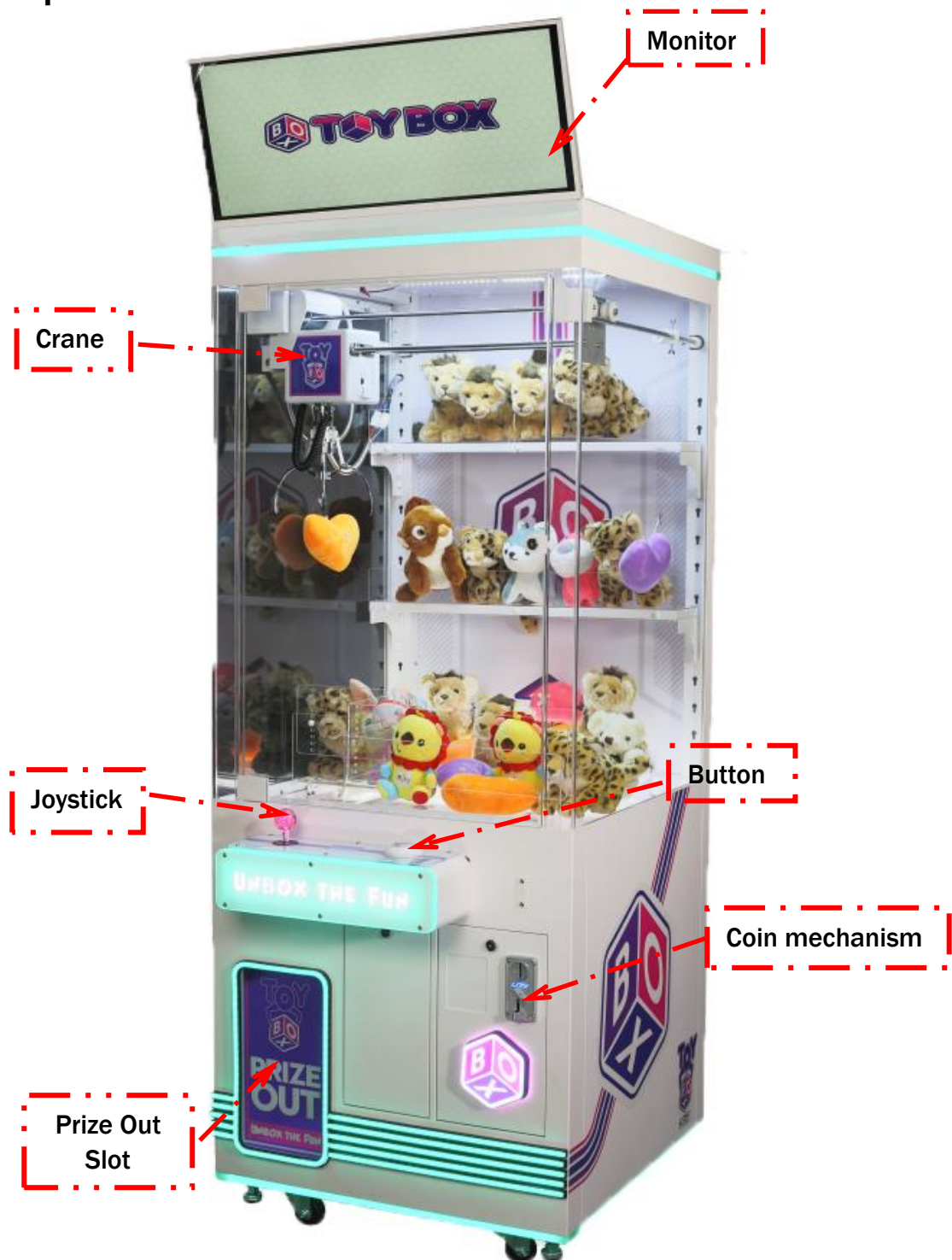
Following accessories

No.	Code No.	Name/SPEC	Picture	Qty
1	2.33.01.018024	Power cord 3×18AWG 3M		1
2	2.19.01.000012	Fuse Φ5×20mm T5A/250VAC		3
3	2.53.00608837	1408A key		1
4	2.53.00608838	1408B key		1
5	4.14.40000677	Manual GMP		1

**NOTE:** Part models are subject to change without notice.

### 3. PART NAME

#### Key Components





## 4. SET UP & INSTALLATION

### ⚠ NOTICE

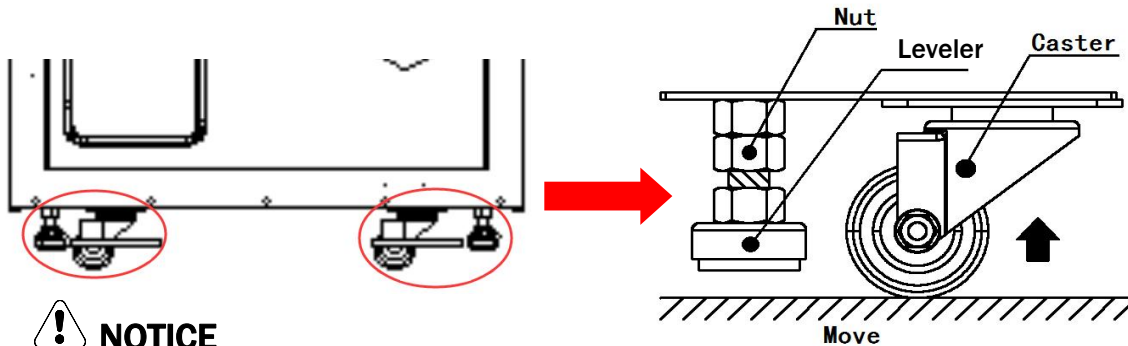
**We do not recommend using power tools as they may cause damage.**

**⚠ 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.



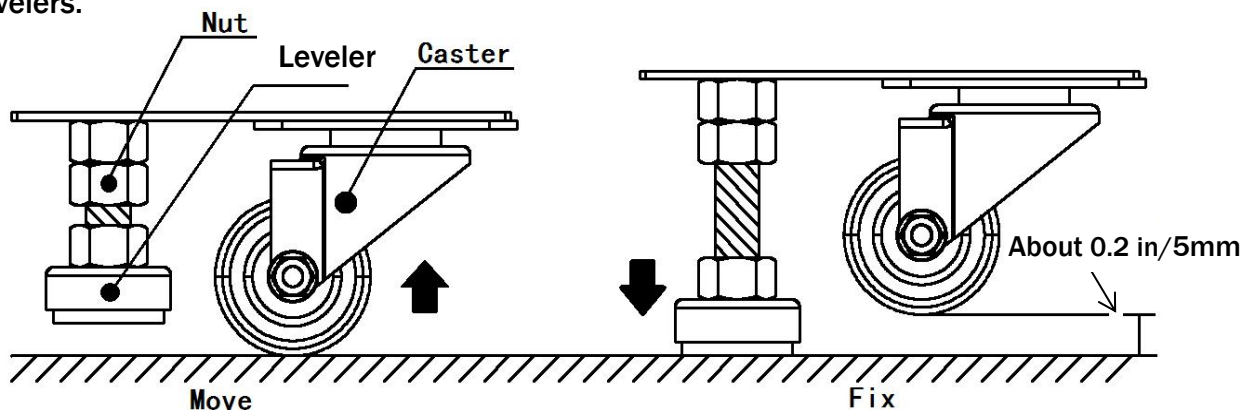
### ⚠ NOTICE

- 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

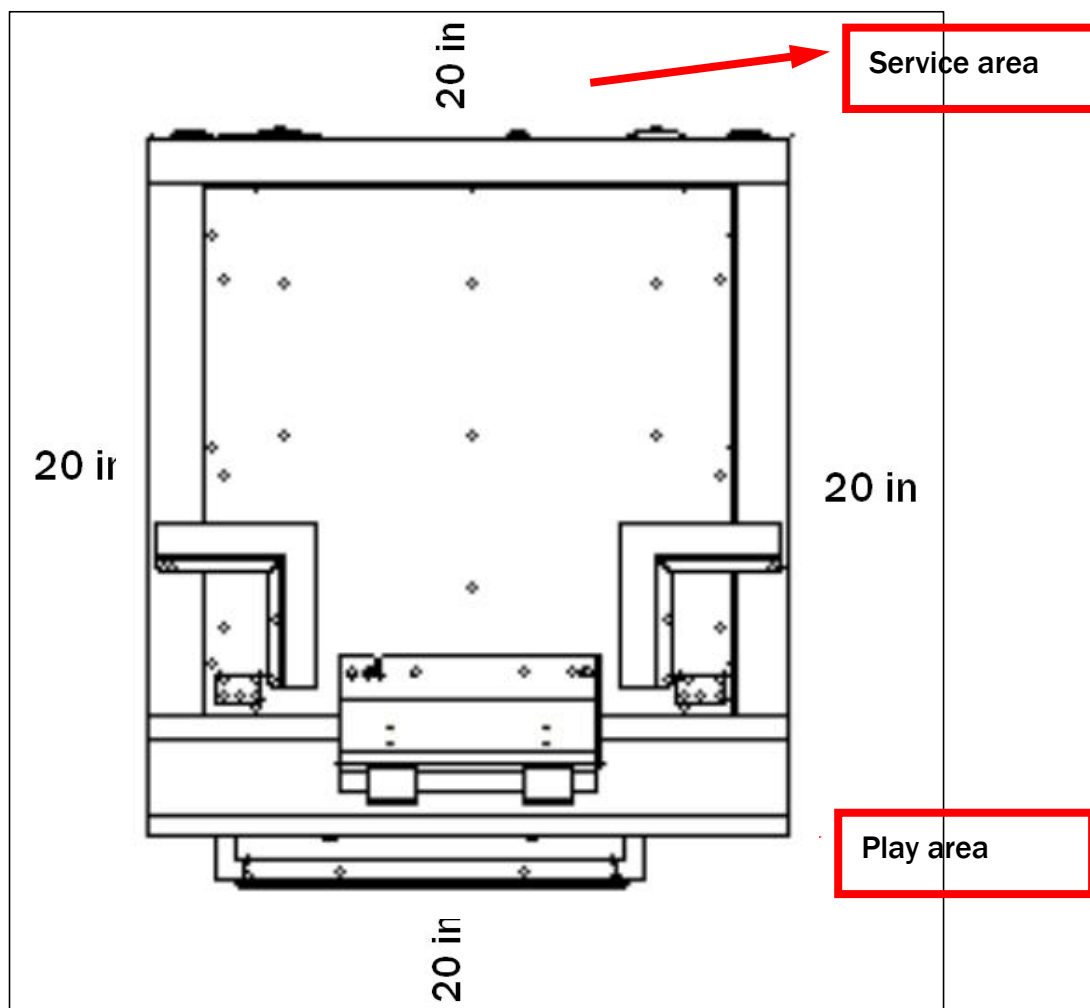
**Make sure the machine is level.**

### 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: 20 in

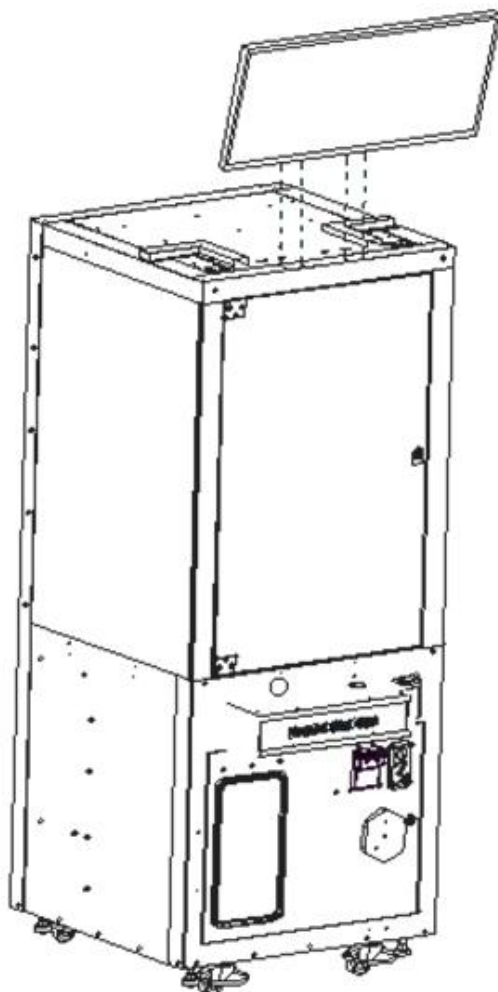


#### NOTICE

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

## 4.4 Machine Installation

**Step 1** Install Monitor to the top of the cabinet. Utilize screws to secure. Connect the connectors.



**Finish!**

## 4.5 Card Reader Installation Safety Notice



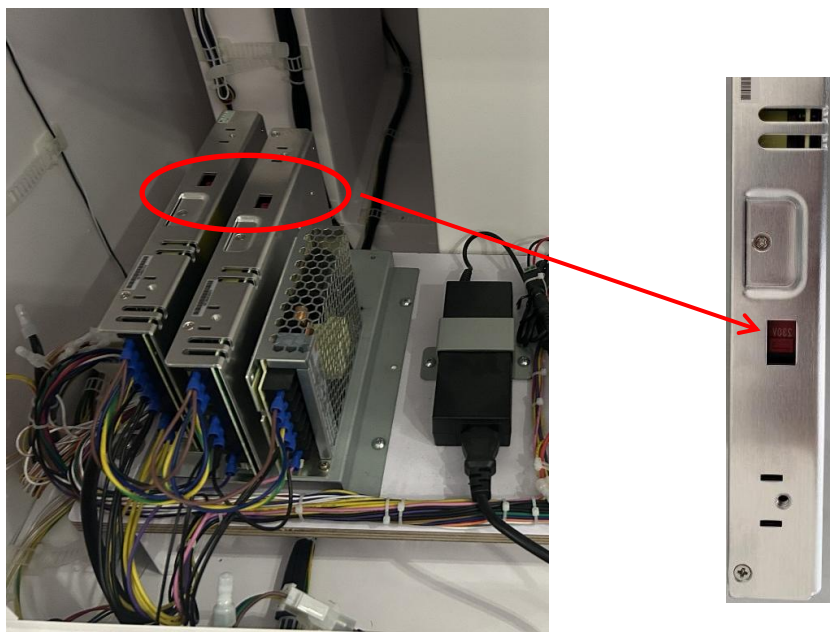
Take precaution to assure that all wiring voltages are confirmed prior to installation of card reader. All warranties are void if not properly installed resulting in logic board damage.

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

## 4.6 Voltage Conversion

Step 1 Power off the machine. Locate the Power supply.

Step 2 Toggle the Power supply and PC switch to 115V or 230V according to your need.

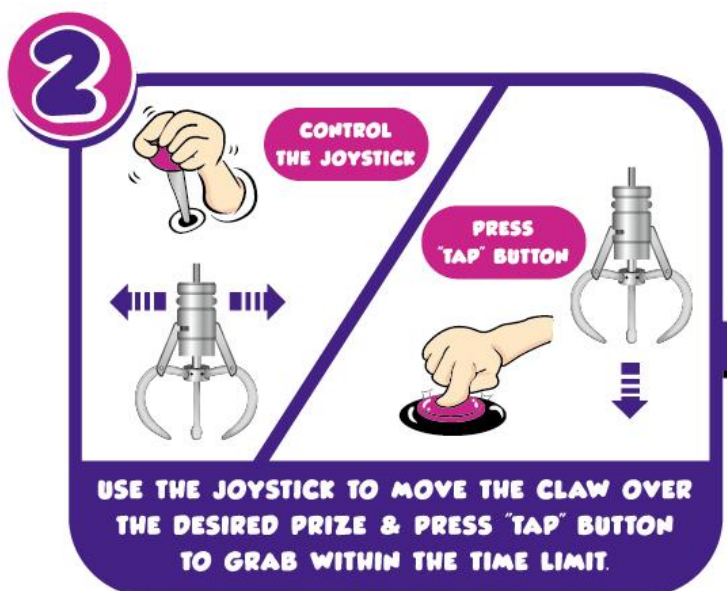


## 5. HOW TO PLAY

5.1 Insert coins or tap/swipe card to start.



5.2 Use the joystick to move the claw over the desired prize & press “TAP” button to grab within the time limit.

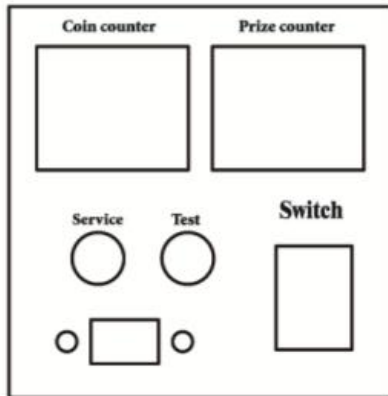


5.3 Win any prize that the claw drops into the prize box player can collect prize from prize door.



## 6. GAME OPTION

### 6.1 Adjustment button instruction



Open the coin door and there is a meter panel. Long press **Service** button for 5 seconds to enter the setting menu.

Utilize **Joystick** to control setting menu UP/DOWN/LEFT/RIGHT. Press **Tap button** to confirm& back.

### 6.2 Setting menu

#### 6.2.1 Main menu

Options
Basic Setup
Crane Setup
Prize Setup
Light Setup

Options
Connect Setup
Factory Test
Accounts Query
Save and Exit

#### 6.2.2 Basic Setup

Options	Status	Description
Coin	0-98	Coins per game
Presen	0-50	How many game round for 1 coins
Play Time	05-99	
Shank Res	ON/OFF	Player shake/tilt the machine will clear the coin.
PR Sensor	AUT/ON	Sensor detect
STB Music	ON/OFF	Standby music
Music Mode	IN/EX	Set music save position. EX: Saved by memory stick. IN: Saved by machine mainboard.
Volume Set	0-32	
Coin Save	ON/OFF	Memory save
Language		
Video No	01-99	Standby video
Back And Exit		

### 6.2.3 Crane Setup

Options	Status	Description
BOM Volt.	0.1-50.0	Set the voltage at the bottom of the claw to grab the prize and when rising.
MID Volt	0.1-50.0	Sets the voltage of the claw claw after the specified grab height
WEK VOLT	0.0-50.0	Set the voltage when the claw reaches the top
BAK VOLT	0.0-50.0	Set the voltage of the claw when it moves towards the prize slot.
FB Speed	1-100	Crane front& back speed. The higher the number, the faster it moves
LR Speed	1-100	Crane left& right speed
UP Speed	1-100	Crane up speed
DN Speed	1-100	Crane down speed
Line Tim	0.1s-5.0s	Set the length of the claw line. The larger the value, the longer the crane line length. If the value is too large, accidents will occur frequently. If the value is too small, it will not be long enough to catch the prize.
Bom Tim	0.0s-2.0s	Set how long the claw stays after grabbing the prize before rising.
Top Tim	0.0s-2.0s	Set how long the claw stays after grabbing the prize to the top.
Rel Tim	0.1s-5.0s	Set the claw to grab the prize up to the specified height and change the next stage of claw strength.
Drop Mode	OFF/MIX/FIX	
Drop Loct	X:0-9999; Y: 0-9999	Prize will drop on the specified position you set.
Sway Line	OFF/P01-05/S01-05	

Options	Status	Description
Joy Delay	0-100	Set the sensitivity of the joystick, The higher the value, the lower the sensitivity of the joystick.
Bot Delay	0-100	Set how long the claw start s falling after the button is pressed.
Mode	Suddenly/Gradual	Suddenly: Claw strength will change suddenly. Gradual: The strength of the previous stage changes slowly from the next stage
Air Grip	ON/OFF	OFF: The claw cannot be closed by pressing the button again before it lower to the bottom. ON: The claw can be closed by pressing the button again before it lower to the bottom
Crane Home	LB/LF	Prize slot position.
Swig STRH	0-100%	Reduce the percentage of the original claw when the player swings the claw. Eg: the original claw force is set at 40%, and the Swig STRH is set at 30% After the player swing the claw, the force of the claw becomes 28%
Swig Sped	0-100	Reduce the percentage of the original downline speed when the player swings the claw
Swig Line	0-100	Reduce the percentage of the original line length when the player swings the claw
Pul Time	0.00-0.30	
Pull Sped	1-100	
Top Weak	0.00-1.00	
Back And Exit		



## 6.2.4 Prize Setup

Options	Status	Description
Win Base	0-250	Win rate
Award Mode	AC/FX/RA	
Prize No.	0-10	
Get Bolt	0.1-45.0	
Disp Win	ON/OFF	
TOK PRIC	1-50	Coin per prize
WIN PRIC	1-9999	PET mode
Back And Exit		

## 6.2.5 Light Setup

Options	Status	Description
LED Color	0-255	Standby light color
LED Mode	S-MO/E-MO/M-CO/F-RU/F-FL/F-CO/F-MO/Start	Standby light flash mode
Win Color	0-255	Winning light color
Win Color	FLK/FSG/STA/SLK/SSG//STA	Winning light flash mode
Light Sta	ON/Lin	
RGB Light	1-255	
Back And Exit		

## 6.2.6 Connect Setup

Options	Status	Description
Local No.	SIG/0-99	
Group No.	0-99	
Link Amou	0-99	
Share Fun	ON/OFF	Off: The full-field probability function does not work On: The full-field probability function is active
Acumt Sum	0-999	Set all machines to share a probability
Basic Shar	LF/LR	Long press the button to share basic setting to other machine.
Crane Shar	LF/LR	Long press the button to share Crane setting to other machine.
Prize Shar	LF/LR	Long press the button to share Prize setup to other machine.
Light Shar	LF/LR	Long press the button to share Light stetup to other machine.

Options	Status	Description
Basic ACP	ON/OFF	Whether to accept the Settings shared information sent from other machines, Not received if turned off.
Crane ACP	ON/OFF	
Prize ACP	ON/OFF	
Light ACP	ON/OFF	

### 6.2.7 Factory Test

Options	Description
Intellight Test	Auto test. Long press button for 10s to exit
Console Test	
Crane Test	
Back And Exit	

### 6.2.8 Accounts Query

Options
Coin in
MOB Pay
Income
Gift
Count
Back And Exit

## 7. TROUBLESHOOTING

### 7.1 Common Problem

Please confirm that all connectors fit tightly.

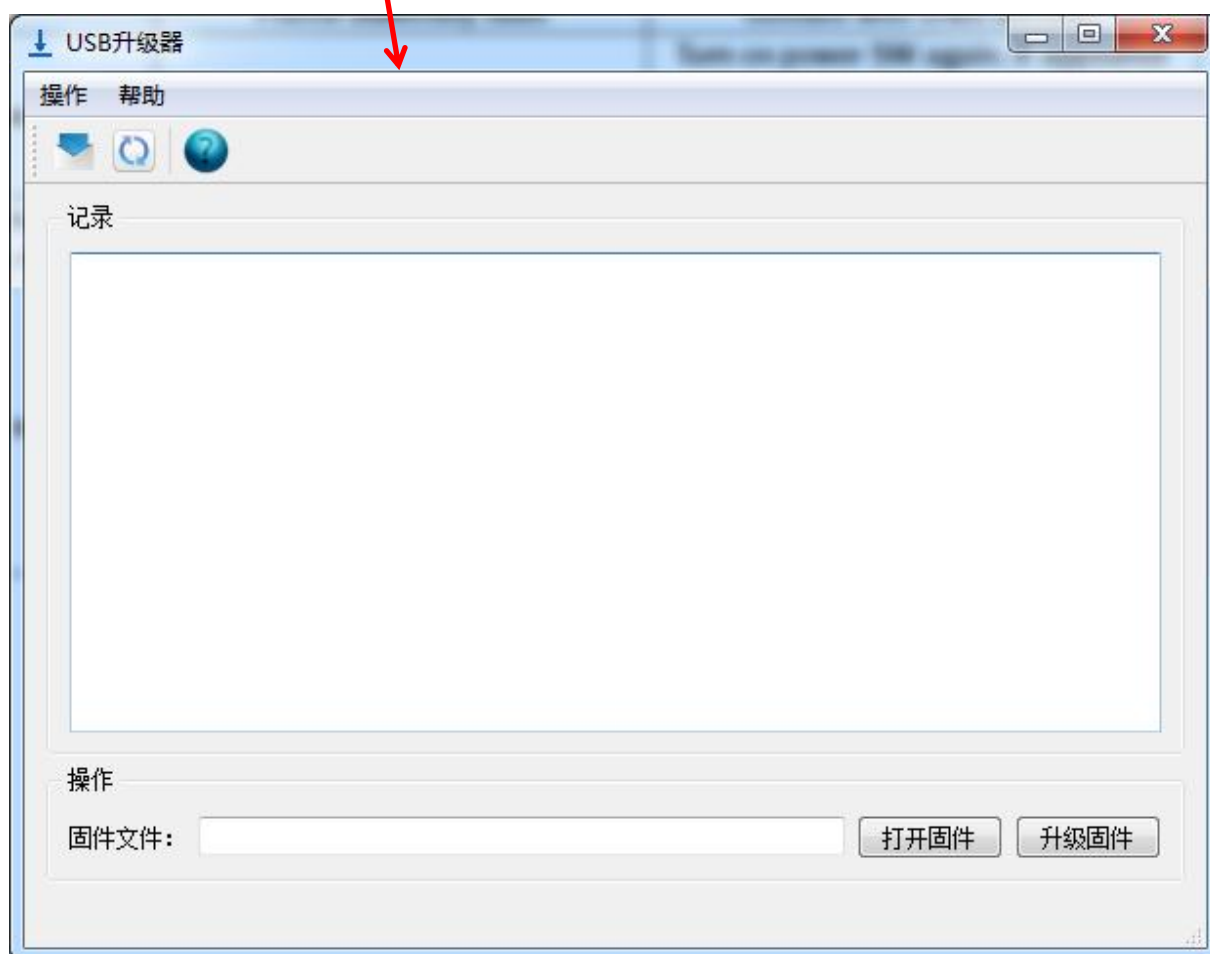
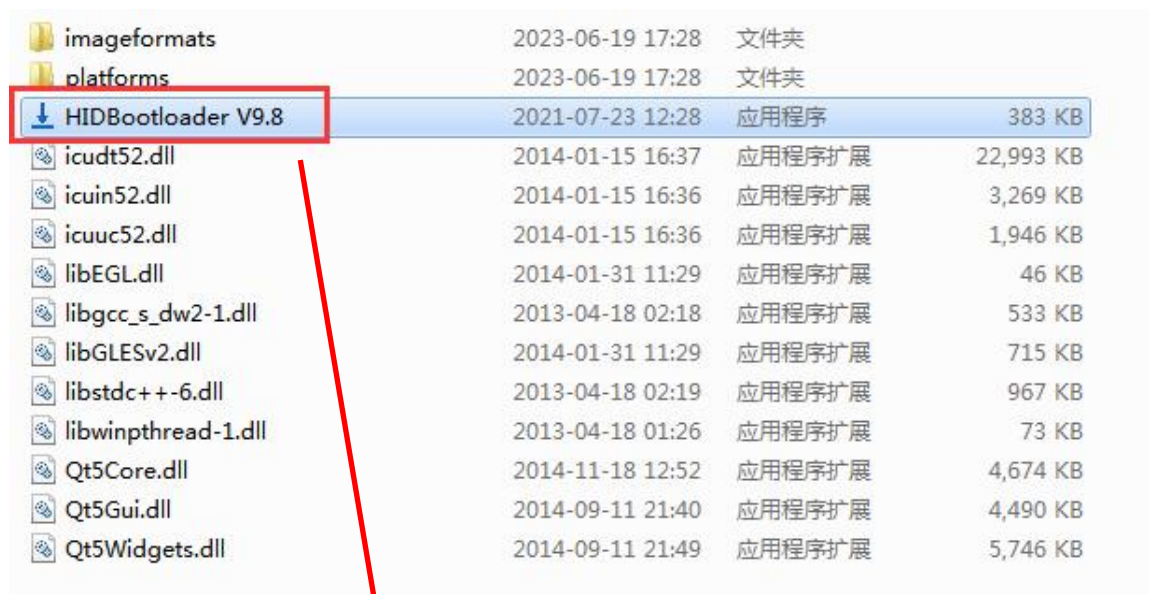
Symptom	Possible Cause	Recommended action
Game will not start	Frame assembly connector is loose.	Check connector.
	Frame assembly fault	Contact with UNIS Service.
Power off	Circuit protector make power SW in off state.	Turn on power SW again. If appeared again and again, machine has anomaly. Please contact with UNIS Service.
Card reader not working	The connector is loose.	Check connector.
	Card reader fault.	Check with card reader manufacturer.
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.

## 7.2 Mainboard Update Instructions

**Notice: Please Contact UNIS Service for latest software.**

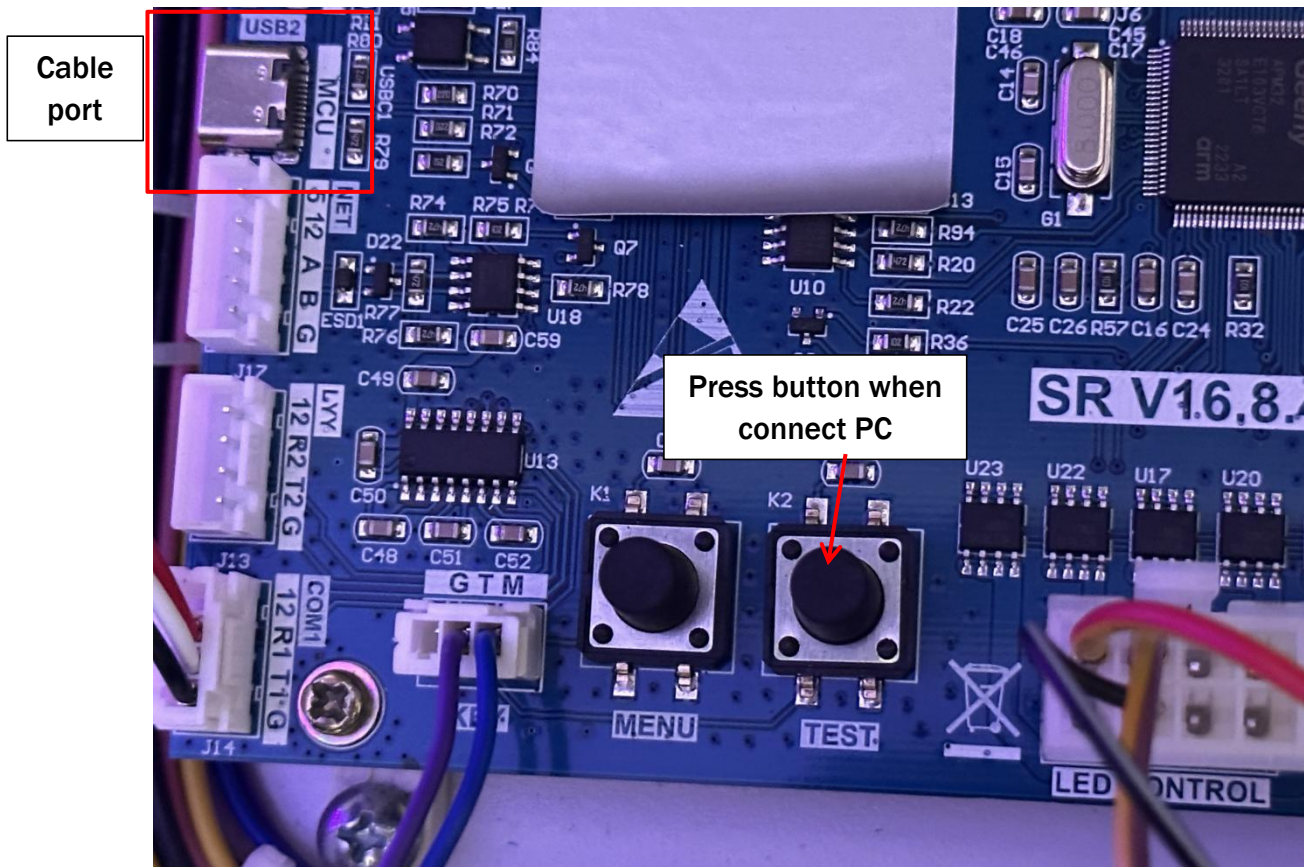
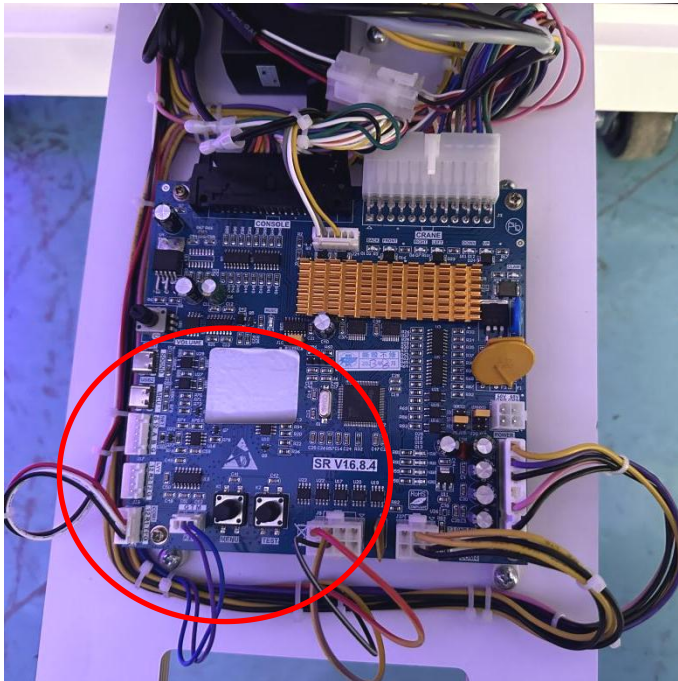
**Step 1** Power off the machine. Open the back bottom door. Loosen screws to remove mainboard.

**Step 2** Decompress HIDBootloader.zip. Double click to open the software.



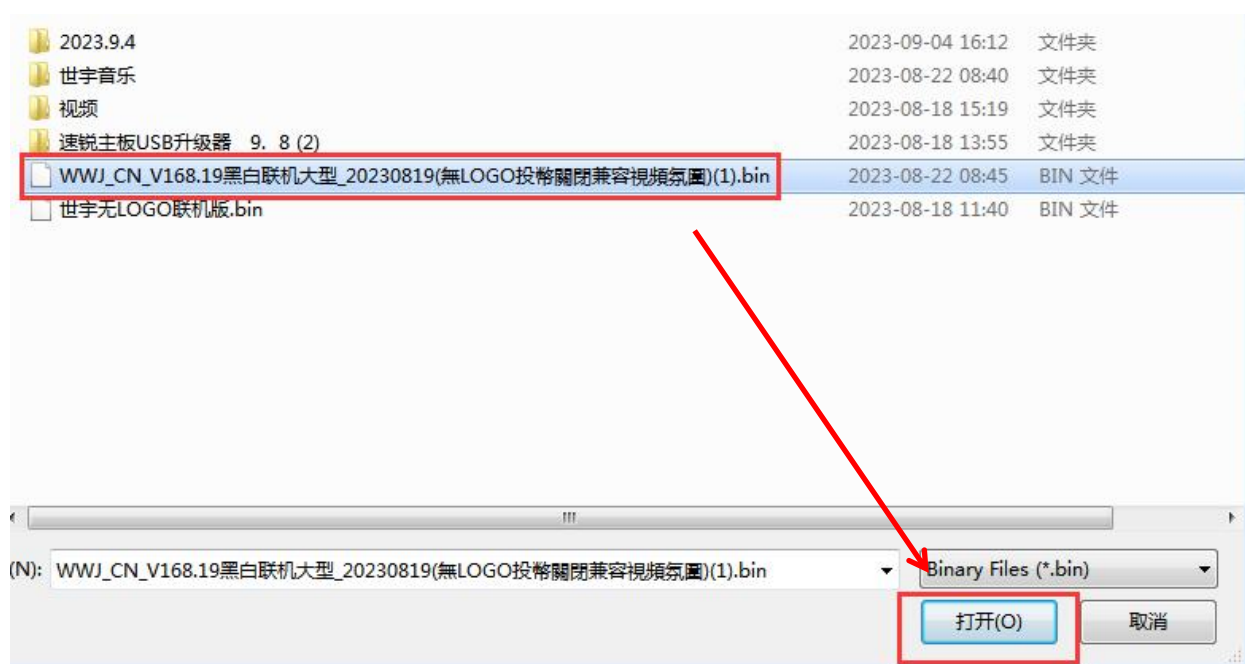
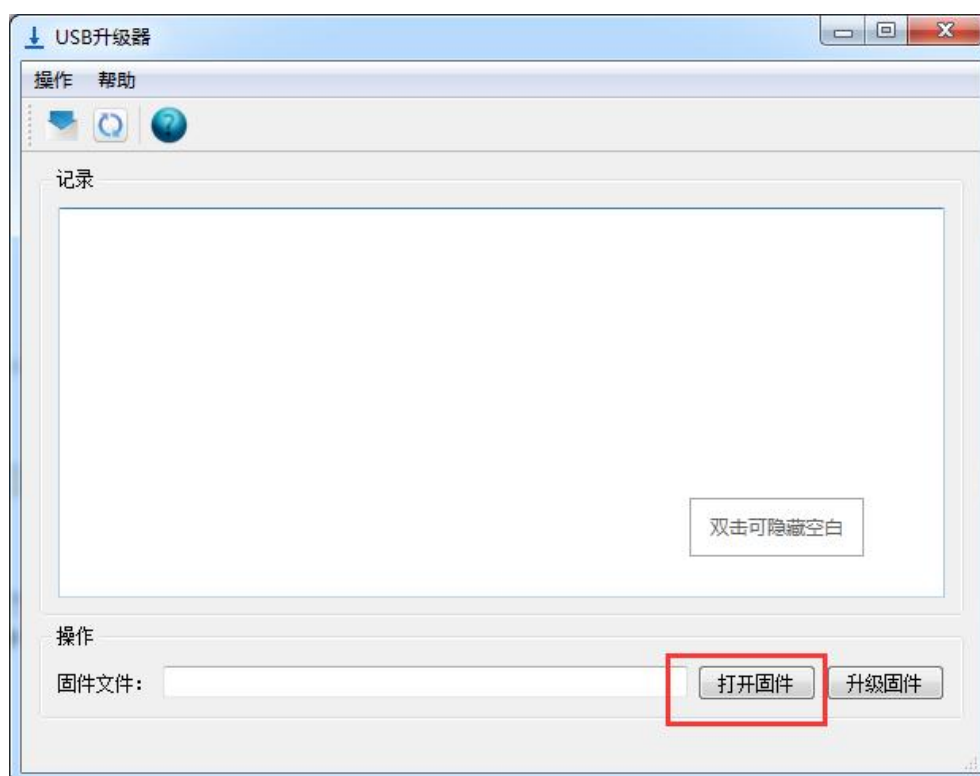
Step 2 Connect cable to the PC.

Step 3 Connect cable to the Mainboard MCU port while pressing Test button.



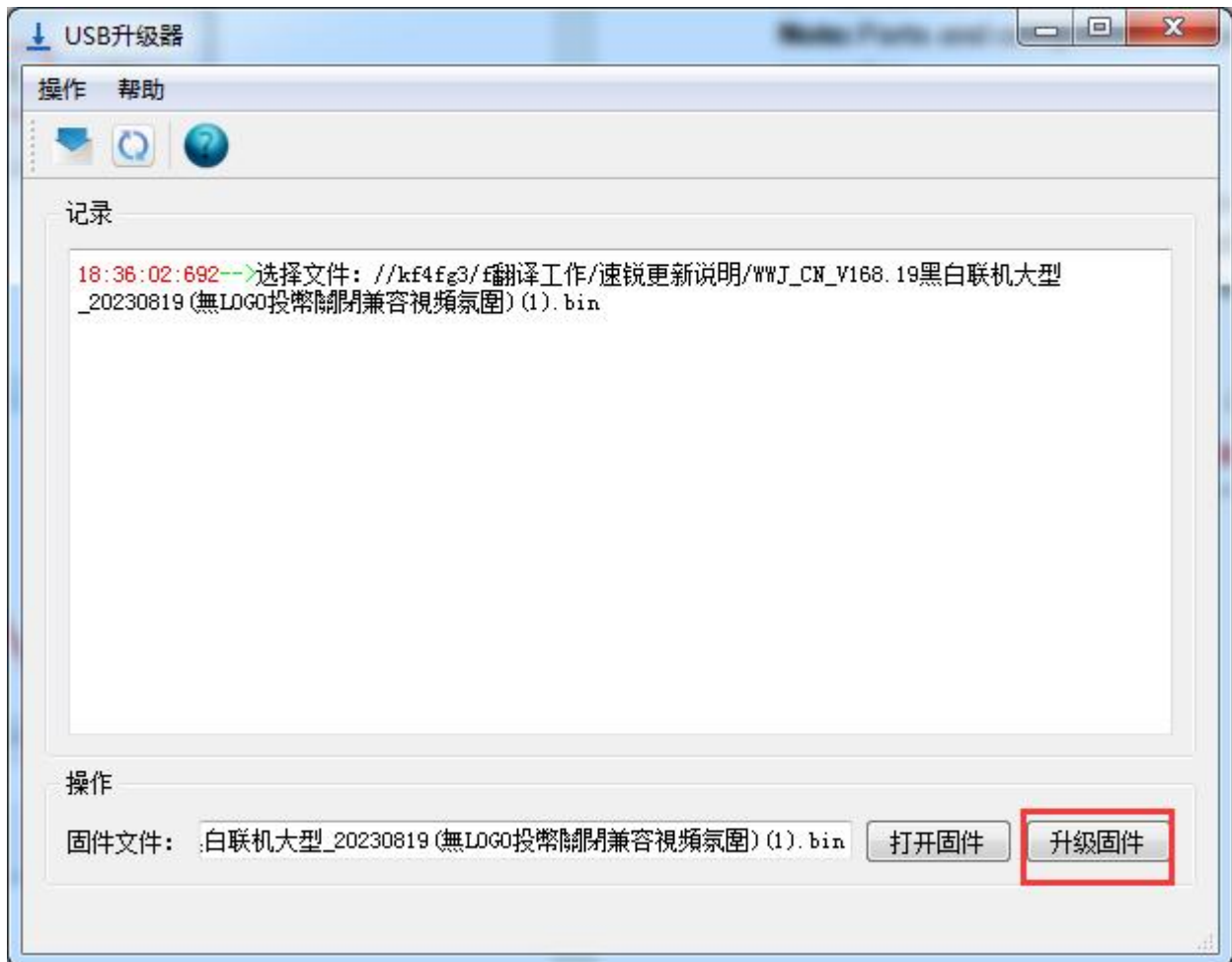
**Step 4 Locate PC. Select “打开固件”(Open Software). Select latest software(Bin. format).**

**Note: Picture software is only for reference.**





Step 5 Select “升级固件” (Update Software) to update mainboard.



Step 6 When you see “” (Success), Update finish! Unplug the mainboard.

Step 7 Install Mainboard back to the machine. Power on the machine.

**Finish!**




### 7.3 Display Advertisement Operation

Please note that the advertisement video format has to be **MP4**.

Please prepare PC and a memory stick.

**Step 1** Plug memory stick to the PC.






















**Step 2** Click Memory stick folder. Click “Adplayer”.

名称	修改日期	类型	大小
 Adplayer	2023-08-18 15:19	文件夹	
 LOST.DIR	2011-01-01 20:00	文件夹	
 addataclear	2014-05-09 12:40	文件	1 KB

**Step 3** Click “keyplay”.

名称	修改日期	类型
 keyplay	2023-08-18 15:19	文件夹
 irkey	2019-05-27 15:25	文本文档



**Step 4** Click “00” Folder.

KF4FG3 > 翻译工作 > 速锐更新说明 > 视频 > Adplayer > keyplay >			
新建文件夹			
名称	修改日期	类型	大小
 00	2023-10-23 18:48	文件夹	
 01	2023-10-23 18:48	文件夹	
 02	2023-08-04 17:19	文件夹	
 03	2023-08-04 17:19	文件夹	
 04	2023-08-04 17:19	文件夹	
 05	2023-08-04 17:19	文件夹	
 06	2023-08-04 17:19	文件夹	
 07	2023-08-04 17:19	文件夹	
 08	2023-08-04 17:19	文件夹	
 09	2023-08-04 17:19	文件夹	
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 11	2023-08-04 17:19	文件夹	
 12	2023-08-04 17:19	文件夹	
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 17	2023-08-04 17:19	文件夹	
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 19	2023-08-04 17:19	文件夹	
 20	2023-08-04 17:19	文件夹	



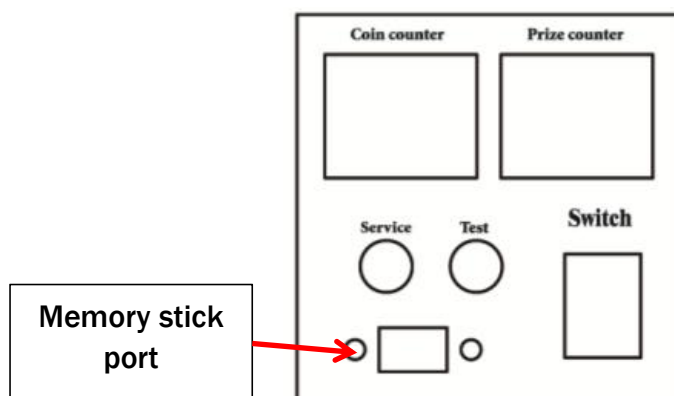
**Step 5 Place Ad. file to the folder. Right click to re-write the file name.**

**Note: Name must be Number and unique. All files should be in order.**

名称	修改日期	类型	大小
 12	2023-08-17 17:53	Ĥ	596 KB
 13	2023-08-17 17:53	Ĥ	596 KB
 14	2023-08-17 17:53	Ĥ	596 KB
 15	2023-08-17 17:53	Ĥ	596 KB
 16	2023-08-17 17:53	Ĥ	596 KB
 17	2023-08-17 17:53	Ĥ	596 KB
 18	2023-08-17 17:53	Ĥ	596 KB
 19	2023-08-17 17:53	Ĥ	596 KB
 20	2023-08-17 17:53	Ĥ	596 KB
 21	2023-08-17 17:42	MP4 文件	5,264 KB

File in order

**Step 6 Insert memory stick to the Setting panel port. Top of the monitor will be update automatically.**



## 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.

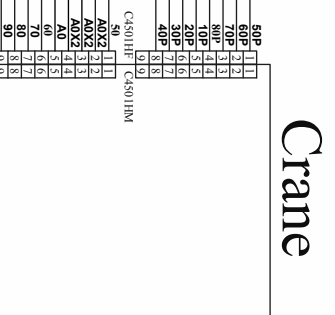
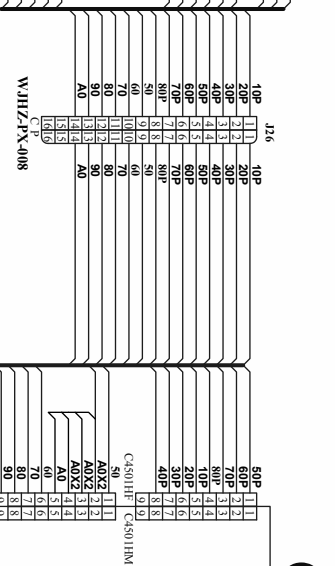
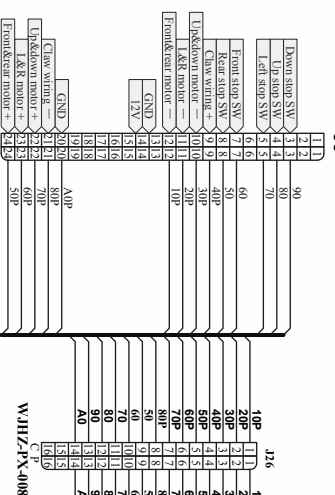
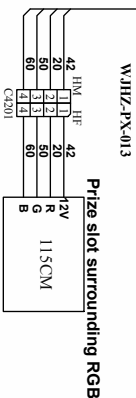
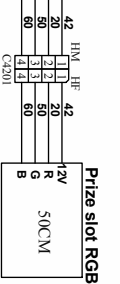
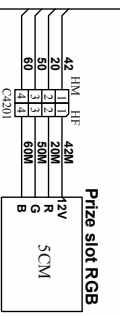
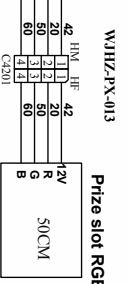
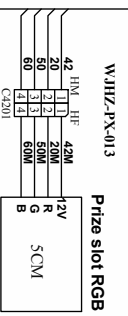
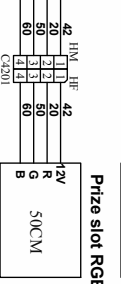
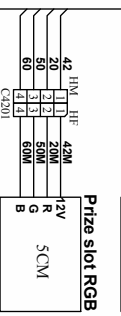
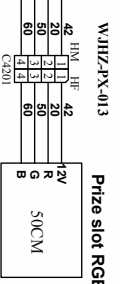
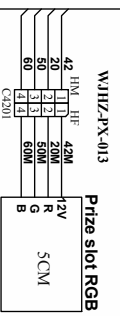
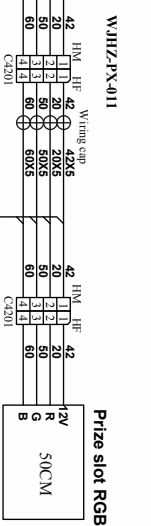
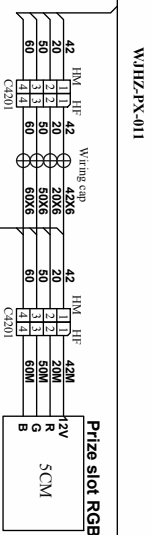
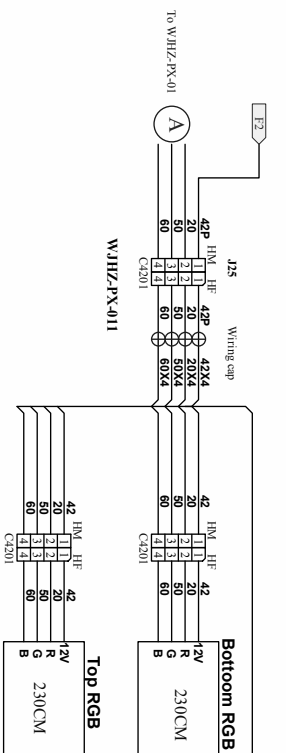


#### NOTICE

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

[www.unistechnology.com](http://www.unistechnology.com)





9	white	R	AWG14 UL1007
8	grey	P	AWG16 UL1007
7	violet	Q	AWG18 UL1007
6	blue	O	AWG20 UL1007
5	green	N	AWG22 UL1007
4	yellow	M	AWG24 UL1007
3	orange	L	AWG26 UL1007
2	red	K	AWG28 UL1007
1	brown	J	AWG30 UL1007

Wire color code	Wire size code
Blue	1
Brown	2
Black	3
Grey	4
White	5
Green	6
Yellow	7
Orange	8
Pink	9
Red	10
Light blue	11
Light green	12
Light yellow	13
Light orange	14
Light pink	15
Light red	16
Light blue	17
Light green	18
Light yellow	19
Light orange	20
Light pink	21
Light red	22
Light blue	23
Light green	24
Light yellow	25
Light orange	26
Light pink	27
Light red	28
Light blue	29
Light green	30
Light yellow	31
Light orange	32
Light pink	33
Light red	34
Light blue	35
Light green	36
Light yellow	37
Light orange	38
Light pink	39
Light red	40
Light blue	41
Light green	42
Light yellow	43
Light orange	44
Light pink	45
Light red	46
Light blue	47
Light green	48
Light yellow	49
Light orange	50
Light pink	51
Light red	52
Light blue	53
Light green	54
Light yellow	55
Light orange	56
Light pink	57
Light red	58
Light blue	59
Light green	60
Light yellow	61
Light orange	62
Light pink	63
Light red	64
Light blue	65
Light green	66
Light yellow	67
Light orange	68
Light pink	69
Light red	70
Light blue	71
Light green	72
Light yellow	73
Light orange	74
Light pink	75
Light red	76
Light blue	77
Light green	78
Light yellow	79
Light orange	80
Light pink	81
Light red	82
Light blue	83
Light green	84
Light yellow	85
Light orange	86
Light pink	87
Light red	88
Light blue	89
Light green	90
Light yellow	91
Light orange	92
Light pink	93
Light red	94
Light blue	95
Light green	96
Light yellow	97
Light orange	98
Light pink	99
Light red	100

## Toy Box Single/LCD GMP Wiring Diagram 2

# Crane

DAVIS

Size	Ver	WJHZ-PX-02
A3		
Date	2023-09-26	