



Carnival Cups SE Installation Manual v.1.2

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Congratulations on purchasing Carnival Cups SE. This guide will help you setup the game at your location. Have fun!





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1.0 Safety Precautions

Instructions to the owner

If you delegate the work for installing, moving, transporting, operating, maintaining or disposing of this 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.

1.1 Levels of Risk

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:** Failure to avoid these risks may result in serious injury or death
- ⚠ CAUTION:** Failure to avoid these risks may result in light injury or damage to other property

1.2 Definition of “Technician”

This operation manual is designed for arcade personnel. Only a qualified technician must perform the installation of this game.

A technician is a person involved in the design, manufacture, inspection, maintenance or service at an amusement device manufacturer, or a person involved in routine maintenance or management (such as repair) of amusement devices who has specialized knowledge of electricity, electronics or mechanical engineering equivalent to or higher than a technical high school graduate.

1.3 Warning Labels

⚠ WARNING

The warning labels attached to the machine contain important information for ensuring safety. Be sure to observe the following.

In order to ensure that the warning labels attached to the machine are always clearly visible, install the machine in an appropriate, sufficiently lit location and keep the labels clean at all times. Also, 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.



1.4 Critical Safety Precautions

WARNING

- Should any abnormalities 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 fire or accident.
- Dust accumulating on the power cord plug may result in 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 fire or burns.

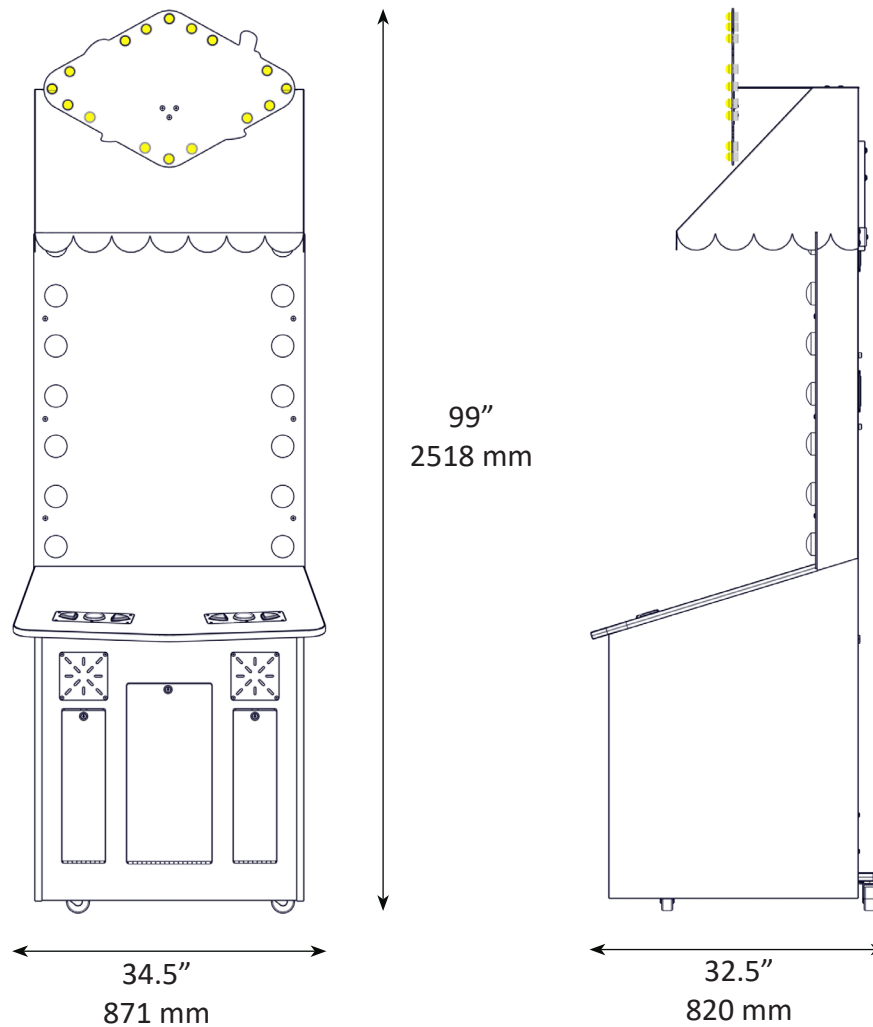
- Damage to the power cord may result in fire, electric shock or electrical leakage. Be sure to observe the following.
 - Keep the power cord away from heaters.
 - Do not twist the power cord.
 - Do not forcibly bend the power cord.
 - Do not alter the power cord.
 - Do not bundle the power cord.
 - Do not pull 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. Doing so may result in electric shock or electrical leakage.
- Do not touch the power cord plug with wet hands. Doing so may result in electric shock.
- The power capacity of the machine is as follows:
 - On 110 and 120 VAC: Maximum current consumption is 4 A
 - On 220 and 230 VAC: Maximum current consumption is 2 A
- To prevent fire and electric shock, use indoor wiring that conforms to these power supply specifications. Using a voltage outside this range may result in fire or electric shock.
- Use the consumables and service parts (including screws) that are specified by TouchMagix. To request repairs or 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 along with the operation manual for the projector with the machine.



2.0 Unit features

2.1 Cabinet specification



Rated Power Input: 110V-240V AC

Rated maximum power consumption: 4 amp at 110V/ 2 amp at 220V

Unit Weight: 155 kg/ 342 lbs

2.2 Packaging dimensions

Width= 75" (1905 mm)

Depth= 48" (1219 mm)

Height= 83" (2108 mm)



WARNING

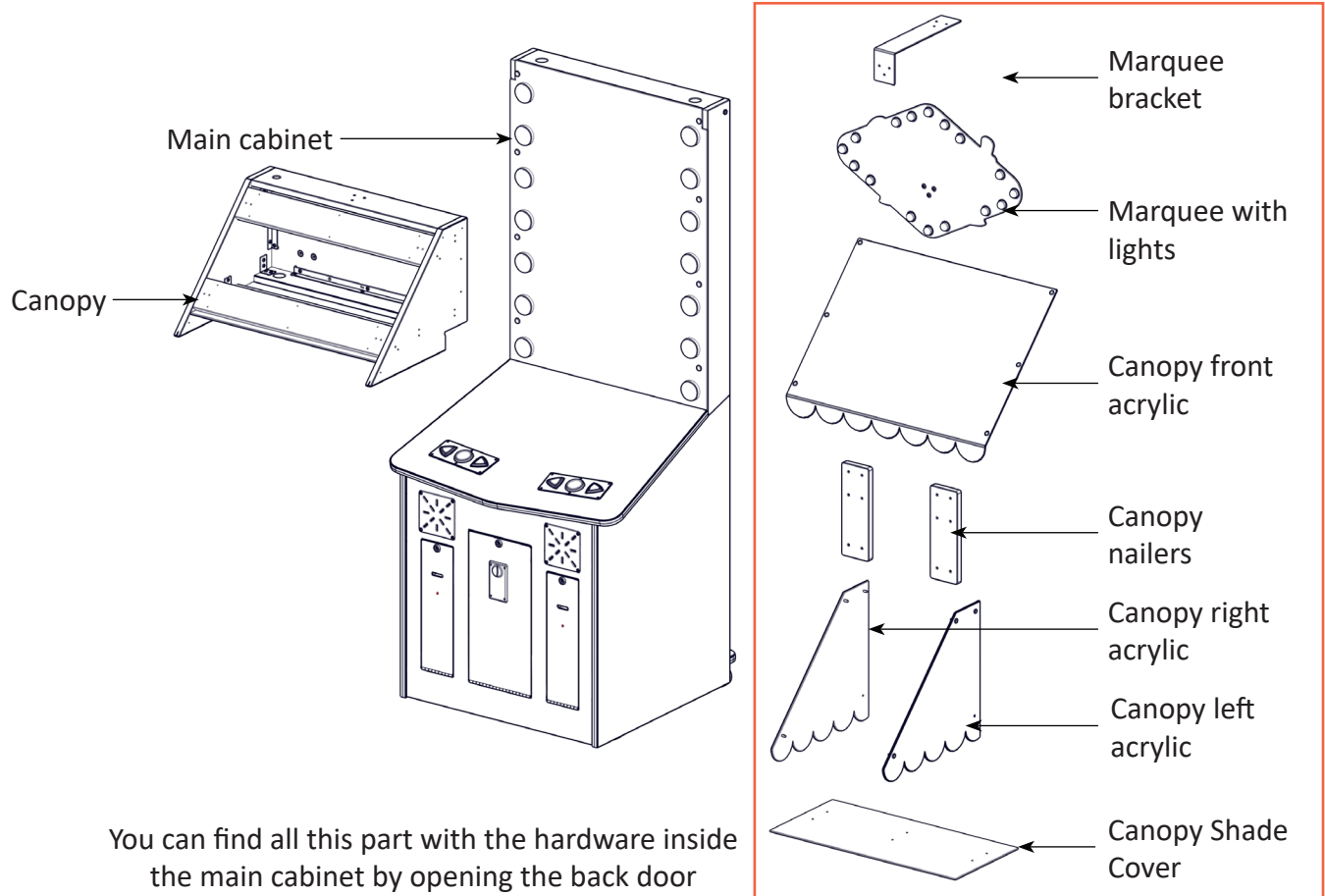
- Install the machine according to the instructions in this Operation Manual. Failure to follow these instructions may result in fire, electric shock, injury or malfunction.
- Fully insert the power cord plug into the outlet. Poor contact may generate heat and result in fire or burns.
- Be sure to install the ground wire. Failure to install the ground wire may result in electric shock in the event of electrical leakage.
- Install the machine securely by using wheel locks. Unstable machine installation may result in accident or injury.
- Make sure that the ventilation holes on the back, sides or top of the machine are not obstructed by any objects, walls, etc. If the ventilation holes are blocked, the inside of the machine may become hot, which may result in fire or malfunction.

- This machine is designed for indoor use. Never install the machine outdoors or in the following locations.
 - A location exposed to direct sunlight
 - A sloping surface
 - A location exposed to rain or water leaks
 - A damp location
 - A dusty location
 - A location close to heaters
 - A hot location
 - An extremely cold location
 - A location exposed to condensation caused by temperature differences
 - A location that obstructs an emergency exit or fire extinguishing equipment
 - An unstable location or a location exposed to vibration

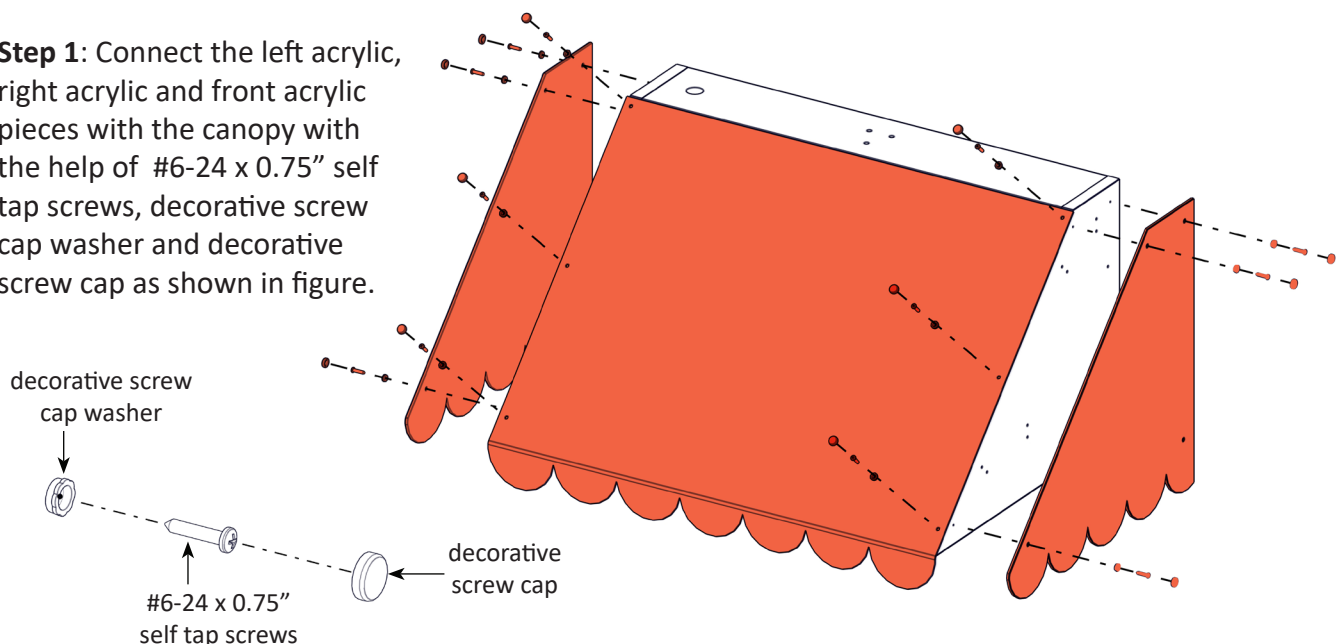
- The appliance is not suitable for installation in an area where a water jet could be used.
- Cleaning and user maintenance shall not be made by children without supervision and only by qualified maintenance personnel.

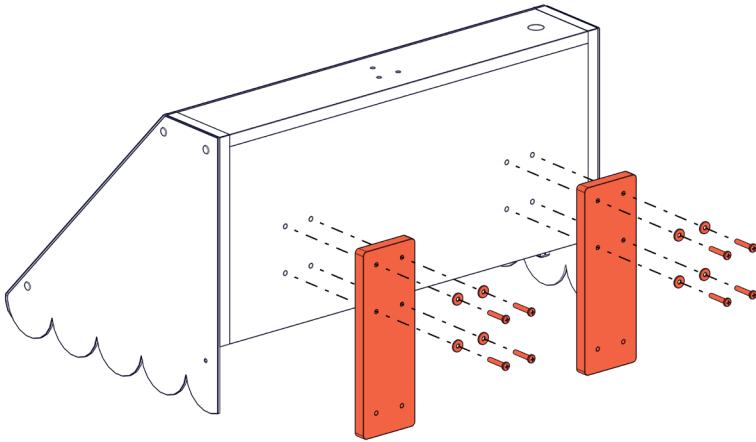
3.0 Assembly

The game comes in multiple parts to assemble. The assembly process requires minimum of 2 persons. The process of assembly starts after you have set the main cabinet at the desired location and secured the cabinet by locking the caster wheels. After this, please follow the following steps:

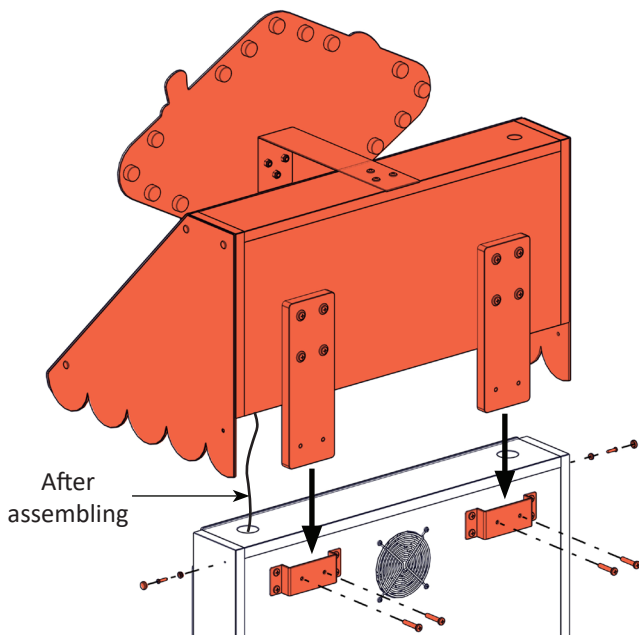


Step 1: Connect the left acrylic, right acrylic and front acrylic pieces with the canopy with the help of #6-24 x 0.75" self tap screws, decorative screw cap washer and decorative screw cap as shown in figure.

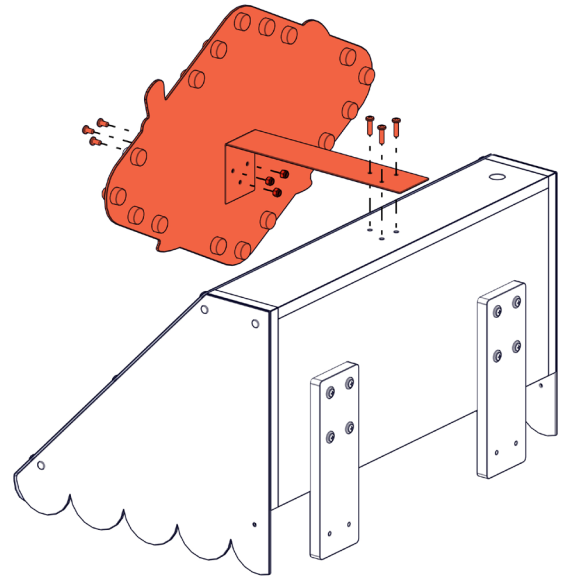




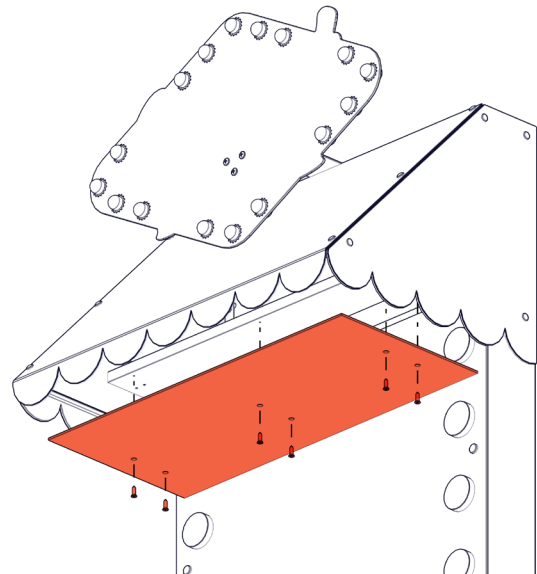
Step 2: Connect the canopy nailers to the canopy with the help of 8 nos. 1/4" washer and 8 nos. 1/4"-20 x 1.5" bolts.



Step 4: You will need minimum 2 people to hold the Canopy and lift it up. Use ladder if needed. Align the Canopy with the main cabinet and slide it onto the brackets. Secure the Canopy with 4 Bolts of 1/4"-20 and on sides with the help of #6-24 x 0.75" self tap screws, decorative screw cap washer and decorative screw cap as shown in figure. Drop the harness from marquee into the main cabinet.



Step 3: Assemble the marquee with marquee bracket with the help of 3 nos. 1/4"-20 x 0.5" bolts and 1/4" nuts. Connect the whole marquee assembly to the canopy top with the help of 3 nos. 1/4"-20 x 1.0" bolts

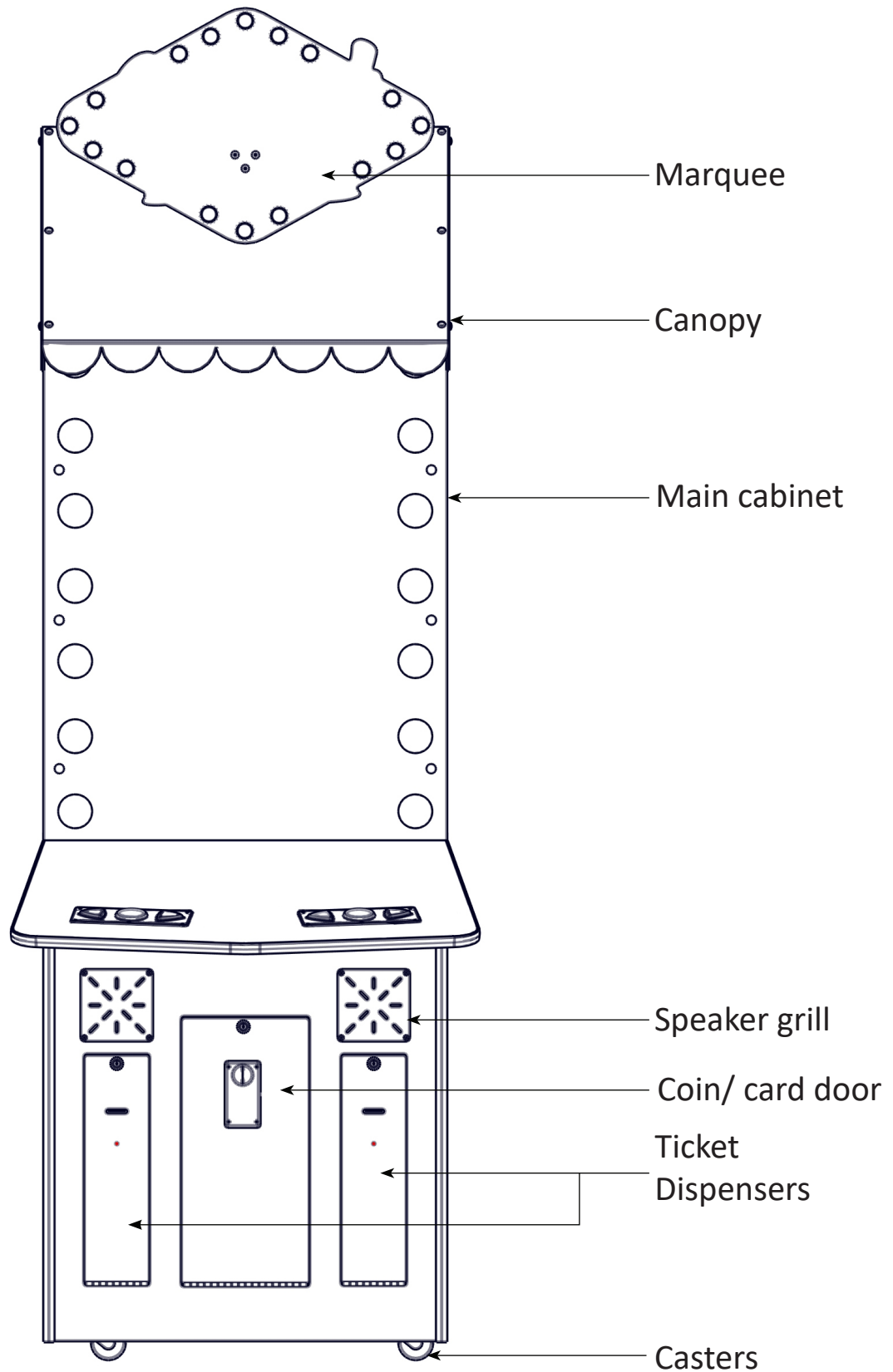


Step 5: After you have tucked inn the harness from marquee to the main cabinet, close the canopy with canopy shade cover with the help of 6 nos. #10-16 x 0.75" countersunk self tap screws. Your game is ready to power ON.



4.0 Parts

4.1 Cabinet parts





4.2 Computer and electronics

Sr. No.	Part Name	Part no.
1.	12v LED & Game PCB Rev-1.0	SP044US-SF0030IN
2.	Game Control PCB Rev-5.0	SP013US-SF0020IN
3.	43" monitor	
	a. 43" Monitor - Samsung DC (Option 1)	RM196US-RM0087IN
	b. 43" Monitor - Samsung PM (Option 2)	RM212US-RM0774IN
	c. 43" Monitor - Panasonic 43AN3ND (Option 3)	RM317US-RM0825IN
4.	CC Computer with power adapter and SSD	SP043US-SF0031IN
	a. Computer Power Adapter	SP128US-RM0697IN
	b. CC SSD Hard Disk	RM363US-RM0829IN
	c. CC Computer only w/o HDD, w/o adapter	RM364US-RM0830IN
5.	60mm & 12v light	RM142US
6.	26mm & 12v light	RM143US
7.	Blue Player P1 Triangular button with Translite	RM144US
8.	Yellow Player P2 Triangular button with Translite	RM145US
9.	Blue Player P1 Circular button with Translite	RM232US
10.	Yellow Player P2 Circular button with Translite	RM233US
11.	80W speaker with subwoofer	RM064US
12.	Wireless Keyboard with TouchPad	RM063US
13.	Power Supply 150 watt 12v	RM126US-RM0405IN
14.	Ticket Dispenser	RM098US-RM0155IN
15.	Coin Acceptor	RM023US

4.3 Harness and cabling

Sr. No.	Part Name	Part no.	Quantity
1.	USB 2.0 cable-A-Male to Mini-B (0.9 mtr)-3S44-24	RM011US	2
2.	HDMI Input to DVI Output adapter cable 1.8 mtr	RM039US	1
3.	Button harness with 9 pin relimate end	SP045US-RM0416IN	1
4.	Ticket harness	SP027US-SF0022IN	2
5.	10 Pin relimate connector	SP028US-RM0406IN	1
6.	Credit Button Harness	SP046US-SF0032IN	1
7.	12v Game board Power harness	SP047US-RM0417IN	1
8.	12v Fan Harness	SP048US-SF0033IN	1
9.	12v LED PCB Power Harness	SP049US-RM0418IN	1
10.	12v Button Harness	SP050US-SF0034IN	1
11.	12v Power Supply Harness	SP051US-RM0419IN	1

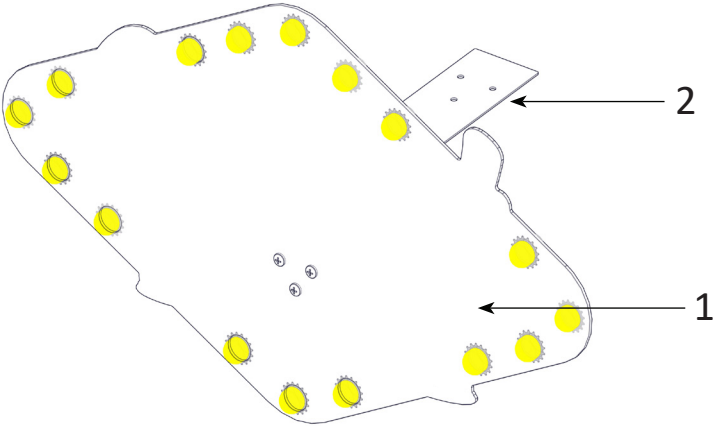
4.4 Graphics and decals



Sr. No.	Print Name	Part No.	Quantity
1.	CC SE Control Panel Decal	RM000322	1
2.	CC SE Left Side Decal	RM000323	1
3.	CC SE Right Side Decal	RM000324	1
4.	CC SE Ticket Side Decal	RM000325	1
5.	CC SE Canopy Right Acrylic	RM000326	1
6.	CC SE Canopy Left Acrylic	RM000344	1
7.	CC SE Canopy Front Acrylic	RM000345	1
8.	CC SE Front acrylic	RM000327	1



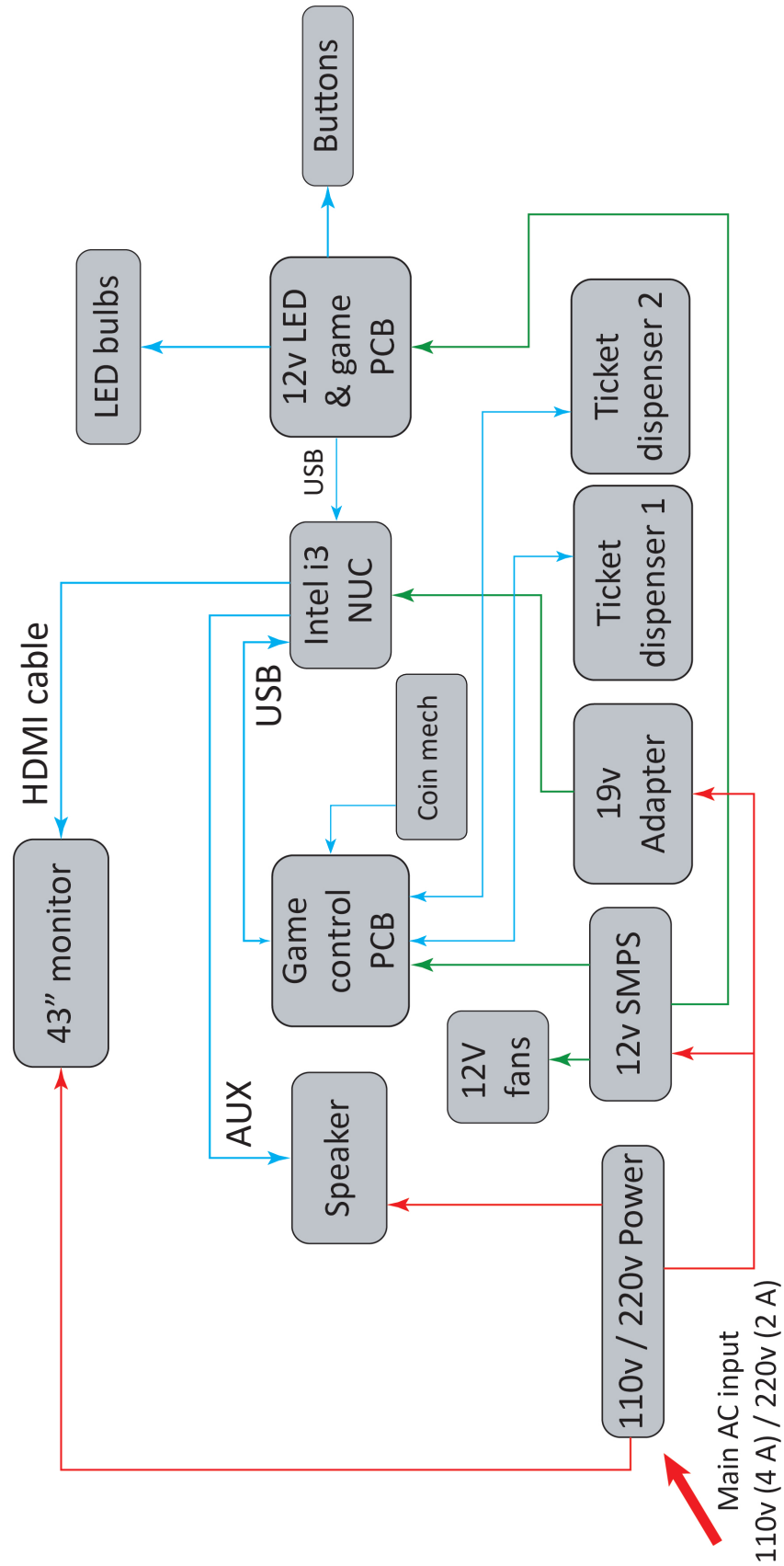
4.5 Marquee parts



Sr. No.	Part Name	Part No.	Quantity
1.	Carnival Cups SE Marquee	RM000442	1
2.	Marquee Bracket	SP063US-RM0431IN	1



5.0 Connection schematic

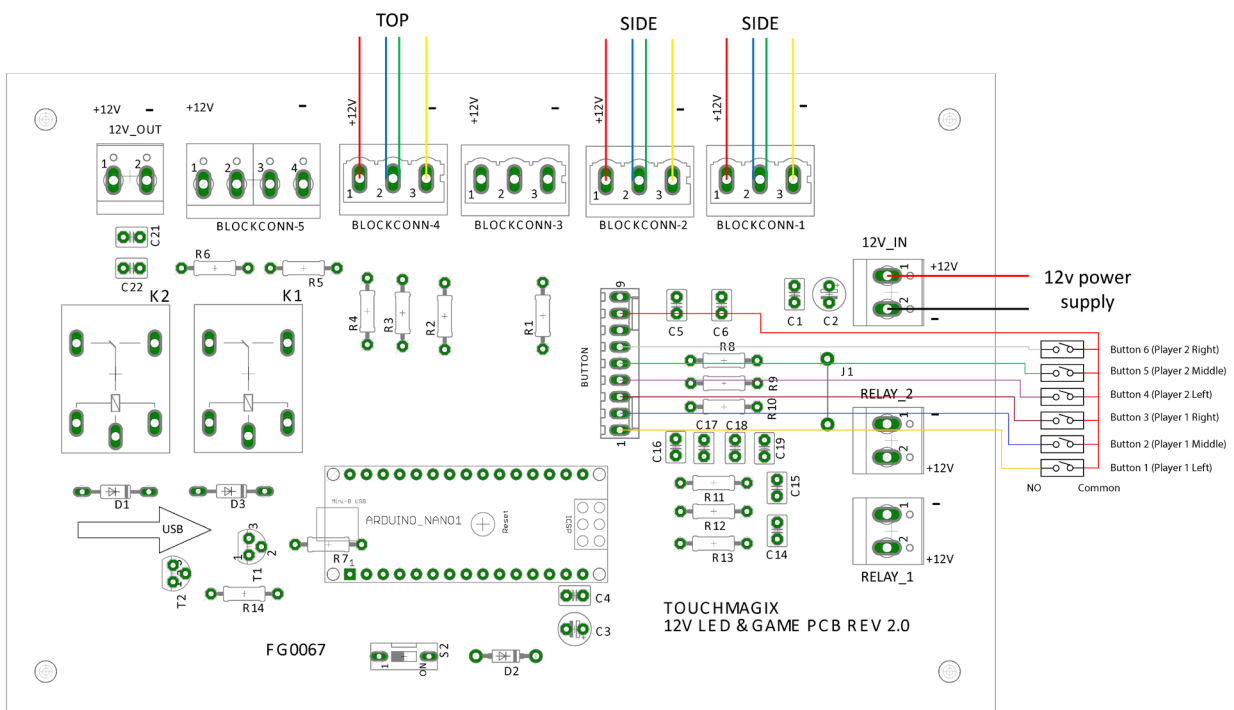


Touchmagix 12V LED & Game PCB Ver 1.0/ 2.0

Part Code: FG0045
CC Firmware VER1.1

BLOCKCONN1	Twinkling effect	SIDE
BLOCKCONN2	Twinkling effect	SIDE
BLOCKCONN4	Yellow twinkling	Top

CC SE - 12v LED & GAME PCB REV 2.0



Connections for 9 pin "BUTTON" connector

PIN NO.1	Yellow	Left-NO (Player 1)
PIN NO.2	Blue	Middle- NO (Player 1)
PIN NO.3	Brown	Right- NO (Player 1)
PIN NO.4	Purple	Left- NO (Player 2)
PIN NO.5	Green	Middle- NO (Player 2)
PIN NO.6	White	Right- NO (Player 2)
PIN NO.7	Pink	Not Used
PIN NO.8	Red	All button common
PIN NO.9	Black	Not used



Touchmagix game PCB Rev 5.0

Part code: TM-ARC-REV5.0

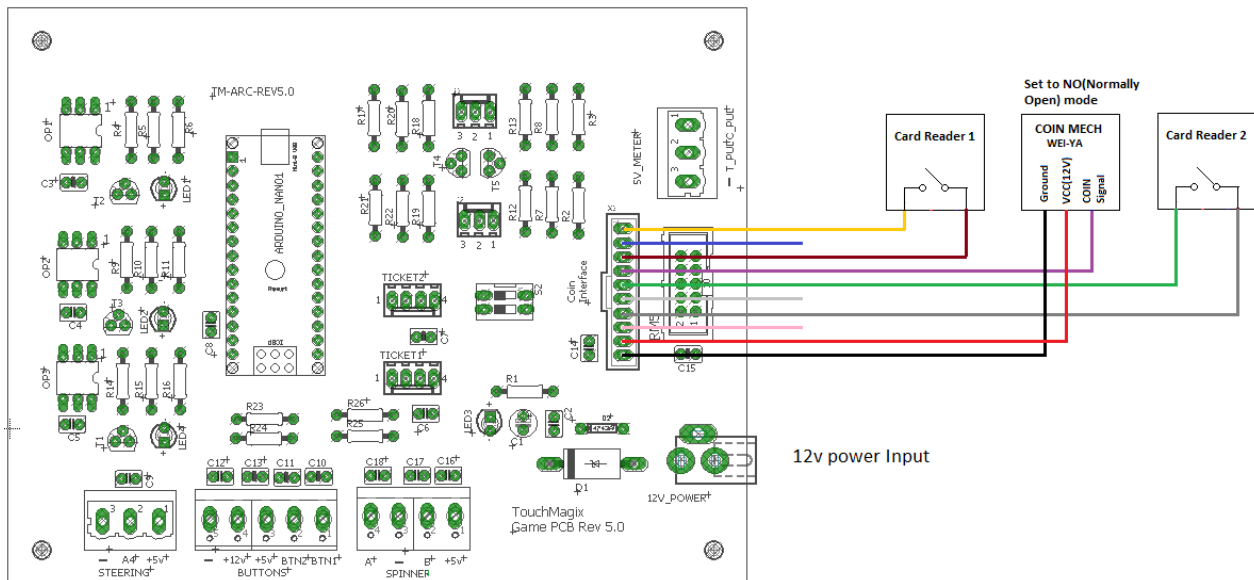
Game board REV 5.0 Firmware Version 1.0

Switch S2 setting	Carnival cups Small Edition	S2-1= OFF, S2-2= OFF
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PIN NO.1	Black	Ground
PIN NO.2	Red	VCC output (+12V)
PIN NO.3	Pink	A5 (Not used)
PIN NO.4	Gray	COIN 2 Pulse OUT
PIN NO.5	White	INHIBIT 2
PIN NO.6	Green	COIN 2 Pulse IN
PIN NO.7	Purple	COIN 1 Pulse IN BKP (Coin Mech)
PIN NO.8	Brown	COIN 1 Pulse OUT
PIN NO.9	Blue	INHIBIT 1
PIN NO.10	Yellow	COIN 1 Pulse IN

TICKET1	Player1 ticket dispenser
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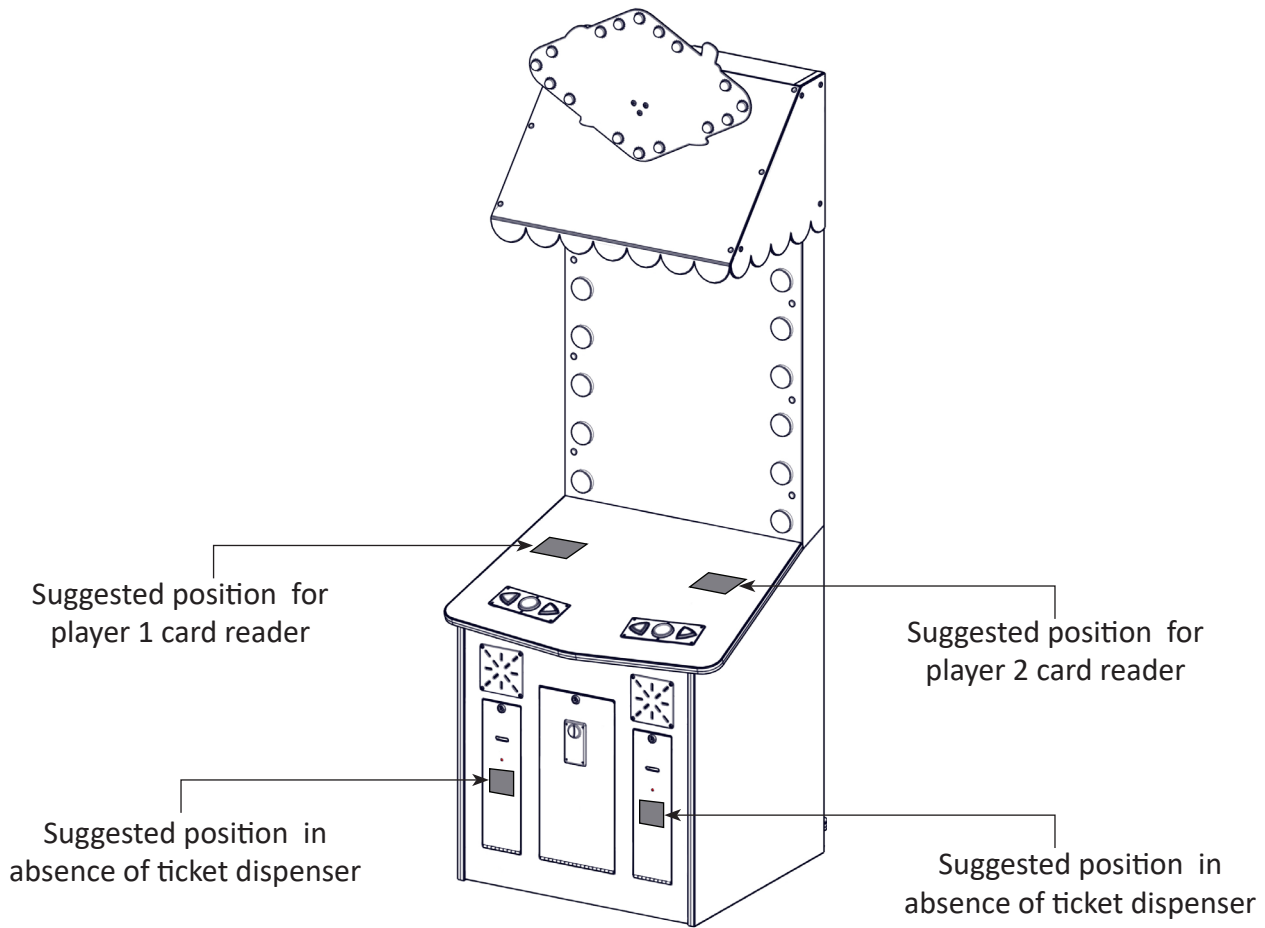
TICKET2	Player2 ticket dispenser
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S2 Switch setting:
Carnival: S2-1 = OFF, S2-2 = OFF

6.0 Installing card reader

If you are using e-ticket dispensing, just unplug the moxex connector from mechanical ticket dispenser and connect it to the e-ticket dispensing input. The wires from the arcade PCB are marked with respective labels for crimping to the debit card reader.



Wire details for 10 pin connector from game PCB ver5.0

PIN NO.1	Black	Ground
PIN NO.2	Red	VCC output (+12V)
PIN NO.3	Pink	A5
PIN NO.4	Gray	COIN 2 pulse OUT
PIN NO.5	White	INHIBIT 2
PIN NO.6	Green	COIN 2 pulse IN
PIN NO.7	Purple	COIN 1 pulse IN BKP
PIN NO.8	Brown	COIN 1 pulse OUT
PIN NO.9	Blue	INHIBIT 1
PIN NO.10	Yellow	COIN 1 pulse IN

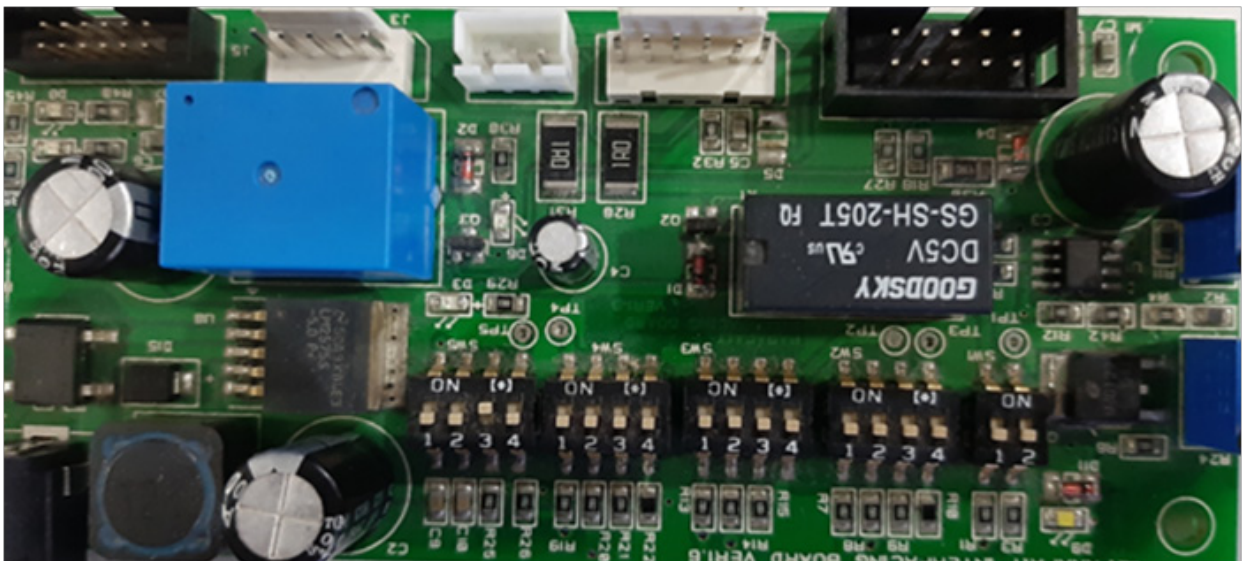
6.1 Working of the coin system

The system will count a coin pulse set to width of 100ms to 500ms as a single credit. For player 1 the system credits when the Coin 1 Pulse Out (Brown) and Coin 1 Pulse In (Yellow) wires are shorted. For player 2 the system credits when the Coin 2 Pulse Out (Gray) and Coin 2 Pulse In (Green) wires are shorted.

For Embed Card, Intercard and other similar systems, the Coin 1 Pulse Out wire (Brown) and Coin 1 Pulse In wire (Yellow) should be connected to the relay switch for Player1 and for Player 2 the Coin 2 Pulse Out wire (Gray) and Coin 2 Pulse In wire (Green) should be connected to the relay switch.

If using SEMNOX card reader, please ensure the dip switch settings are set to as shown below. For SEMNOX, you will need to only connect the Coin 1 Pulse In wire (Yellow) for Player 1 and Coin 2 Pulse In wire (Green) for Player 2. The Coin 1 Pulse Out and Coin 2 Pulse Out wires remains disconnected as SEMNOX system itself will generate the required coin pulse voltage with the below settings.

SW5 – 3 UP ... Rest all down



6.2 Coin door

Some of the games come with pre-installed Wei-Ya Coin Comparitor with a wooden coin door. The Game PCB supports Active LOW coin systems. It has a direct connector for RM5 coin totalizer, which is commonly used in Europe.

If you wish to use a SuzoHapp Door, you can remove the hinge of the existing coin door and fit in SuzoHapp Door Part # 40-3000-00.

https://na.suzohapp.com/products/coin_doors/40-3000-00

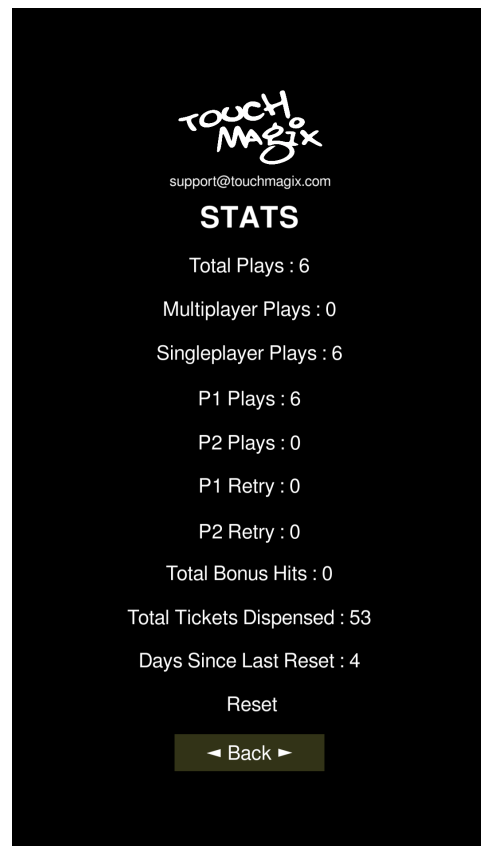
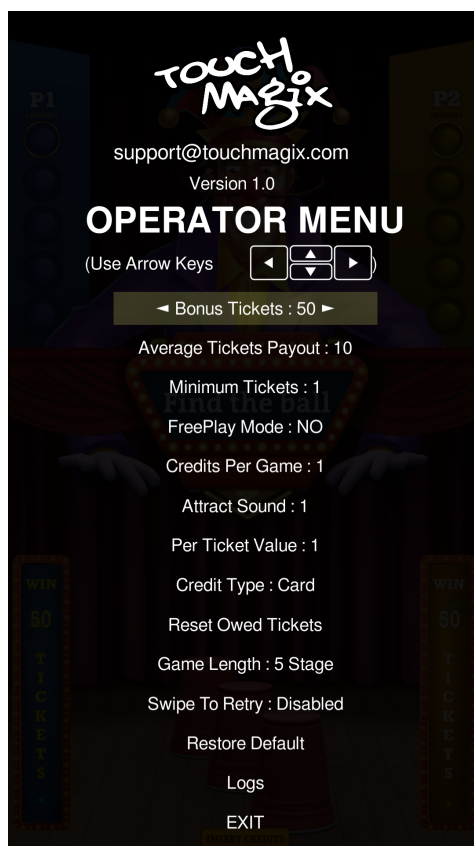
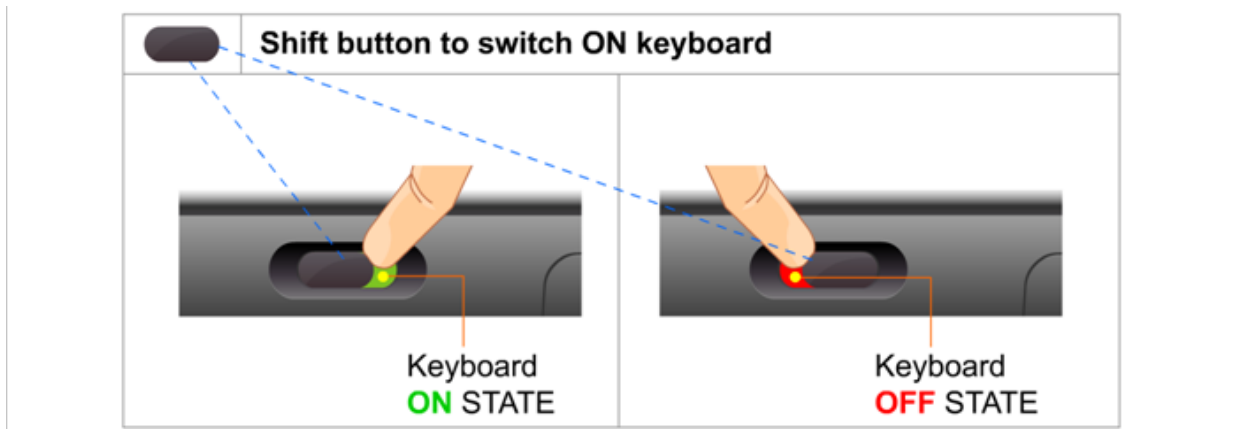
The standard wiring for the Game PCB in pull down setting for coin comparators or totalizers. Please ensure the coin acceptor is set to NC mode. The normal voltage will be 5V constant which when shorted with GND will credit the system.

Set the coin machine to normally close mode (NC).



7.0 Switch-on and configuration

Once the game is mounted and plugged into power outlet, the computer inside will automatically turn ON. You will need to turn ON the wireless keyboard in order to configure the system for first time.



Press “c” on keyboard to open the configuration/operator menu on screen. Use only arrow keys to change the settings. Use up & down arrow to navigate and left & right arrow to change values.



7.1 Operator menu settings

Setting	Default	Description
Bonus Tickets	500	Payout on successfully completing all the 4 Stages or 5 Stages
Average Tickets Payout	30	These are the average number of tickets the game should payout. Adjust this number to a higher value if the game is paying out less tickets.
Minimum Tickets	1	Minimum number of tickets the game should pay even if player does not cross a single stage. Also known as mercy ticket.
FreePlay Mode	NO	Enables the player to start the game by hitting the select button. No debit card system interface is needed if this mode is set to YES.
Credits Per Game	1	If machine is set for token use, set this value to the number of tokens you wish to use to start the game.
Attract Sound	4	Volume control for the attract mode sound level
Per Ticket Value	1	This number defines the value of a single physical ticket dispensed. If set to 2, it will always reward an even number of tickets with physical ticket value 2. E.g. - If the player wins 10 tickets, it will only dispense 5 tickets if the value is set to 2.
Credit Type	Card	<u>Card Mode</u> - Setting to card mode requires 2 card readers, one for each player to be wired to the game. <u>Coin Mode</u> - Setting it to coin mode, only uses a single coin input.
Reset Owed Tickets	-	Resets the tickets owed count.
Game Length	5 Stages	The game can be set to a short game length (4 Stages) or the standard game length (5 Stages)
Swipe To Retry	Disabled	Enabling this gives the user an option to replay the current stage by adding additional credit to the game.
Restore Default	-	Restores default values to the configuration.
Logs	-	Opens a sub menu showing detailed statistics of the machine.
EXIT	-	Exit back to the game.

7.2 Volume control





8.0 Limited warranty policies

Touchmagix warrants this game (including accessories) against defects in workmanship or material as follows:

This unit has 1 year warranty against defective hardware from date of delivery.

Other than abuse or improper servicing, Touchmagix covers at no charge the replacement parts including standard ground shipping.

Customers have 30 days from delivery date to return back the defective equipment at their fees or they will be billed automatically.

Improper servicing or abuse will void existing warranties.

All warranty request needs to be validated with our technical support department.

After the 1 year warranty, Touchmagix offers repair & sales service options. Please contact the technical support department for information.

Contact Information

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