Rabbids & Ladders

RL-65-4001
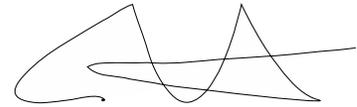
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Operation & Service Manual

Version 2.0

* Read this manual before use

General Remark

If you encounter any difficulties or if you need support on how to update and/ or install your Hot Wheels King of the Road product, we invite you to contact your local distributor or reach us at support@aagames.com or by calling our support line +1-450-824-1671

Adrenaline Amusements Team

Adrenaline Amusements

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Table of Contents

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Chapter 01 - Preface

Please read this page before preparing your Hot Wheels King of the Road Arcade product for game play.

The following safety instructions apply to all game operators and service personnel. Specific warnings and cautions will be included throughout this manual.

Use the following safety guidelines to help protect the system from potential damage and to ensure your personal safety:

- Electronic components in the game cabinet run on 110V AC 60Hz (220V/ 50Hz in most of Europe, the Middle East and the Far East delivered units).

- To help prevent electric shock, plug the system into a properly grounded power source. These cables are equipped with 3-prong plugs to help ensure proper grounding. Do not use adapter plugs or remove the grounding prong from a cable. If you must use an extension cable, use a 3-wire cable with properly grounded plugs. We do recommend a 15A rated current or higher power cord.

- To help protect your system from sudden increases and decreases in electrical power, use a surge suppressor, line conditioner or Uninterruptible Power Supply (UPS).

- Be sure nothing rests on the system's cables and that the cables are not located where they can be stepped on or tripped over.

- Keep your system far away from radiators and other heat sources.

- Do not block cooling vents.

Precaution for Game Operation

Adrenaline Amusements Inc. assumes no liability for injuries incurred while playing our games.

Operators should be aware that certain health and physical conditions may make people susceptible to injury when playing video games.

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Safety

To avoid electrical shock, unplug the cabinet before performing installation or service procedures.

If a power cord is damaged, it must be replaced by the equivalent power cord available from your distributor.

Adrenaline Amusement Inc. assumes no liability for any damages or injuries incurred while setting up or servicing the cabinet. Only qualified service personnel should perform installation or service procedures.

Environmental Conditions

Cabinet is intended for indoor use only. Be sure to keep the cabinet dry and maintain operating temperatures of 59° - 86°F (15° - 30°C).

Operating & Voltage

Voltage	Operating
110V AC	4.0 AMP
220V AC	2.0 AMP

Chapter 02 - Game Features

Rabbids & Ladders is a funny and addictive game where precision can earn you a lot of tickets

How to Play

- Spin your toilet paper roll to roll the dice
- Use ladders to advance quicker on the grid
- Avoid toilets that make you fall down the tube
- Reach the Bonus Wheel square for a chance to win the ultimate bonus
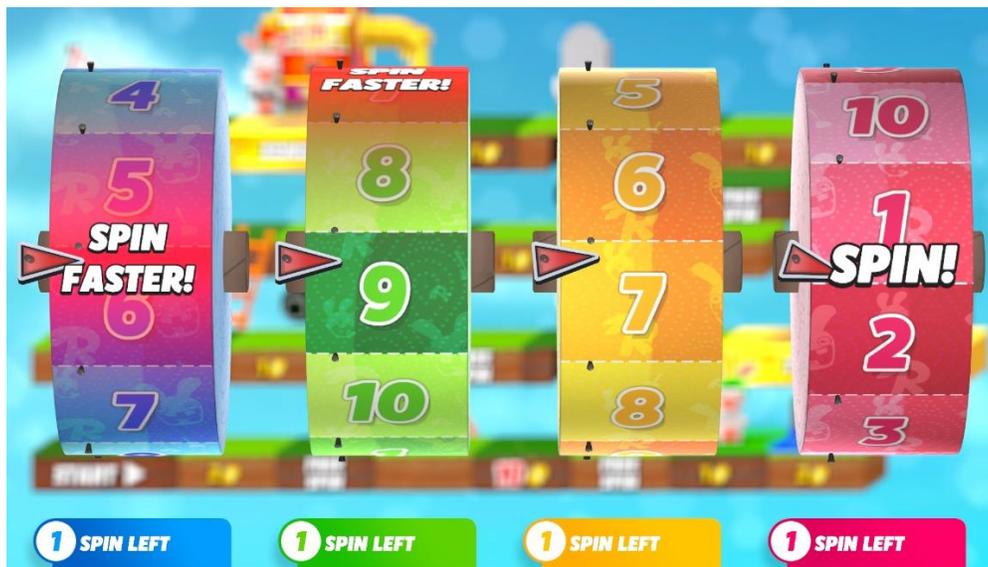
Chapter 03 – Unit Features

Hardware Features

- 4 Players Game
- 4 toilet rolls
- 65 inches LCD Screen
- Bonus value screen

Cabinet Facts

Cabinet Dimensions
Depth = 36.35" [923.29mm]   **Width** = 77.32" [1963.93mm]
Shipping Dimensions
Width = 72"   **Depth** = 45"   **Height** = 88½" **Weight** = 650 lbs
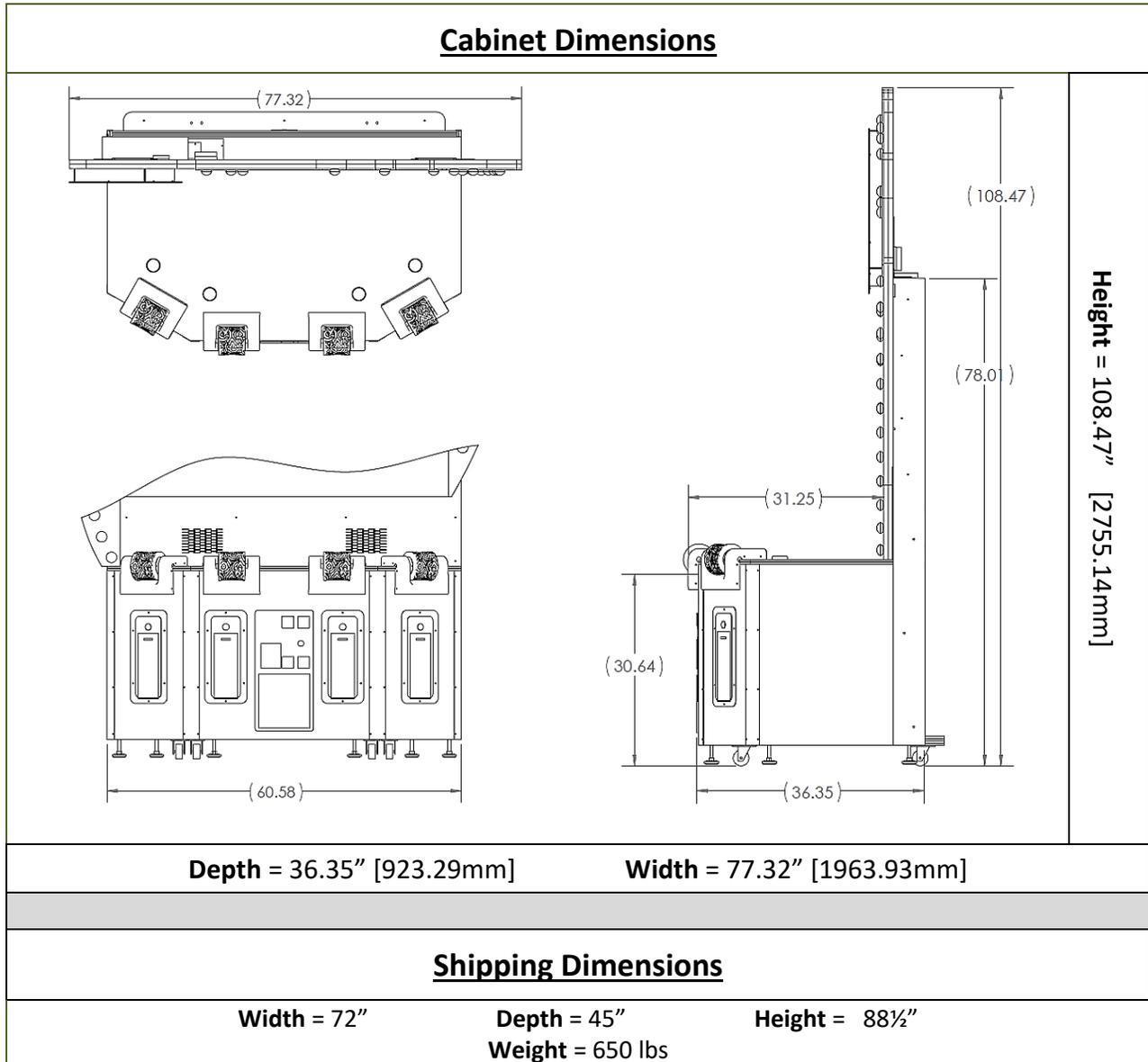
Chapter 04 – Unit Installation

How to assemble your Rabbids & Ladders unit

1) Position the header assembly on top of the unit.
   Secure the assembly and the Rabbid host with
   2x hex head ¼-20 x ¾ screws ⚬
   4x pan head 8-32 zinc screws ⚬
   3x flat head #6 x 1¼ screws ⚬
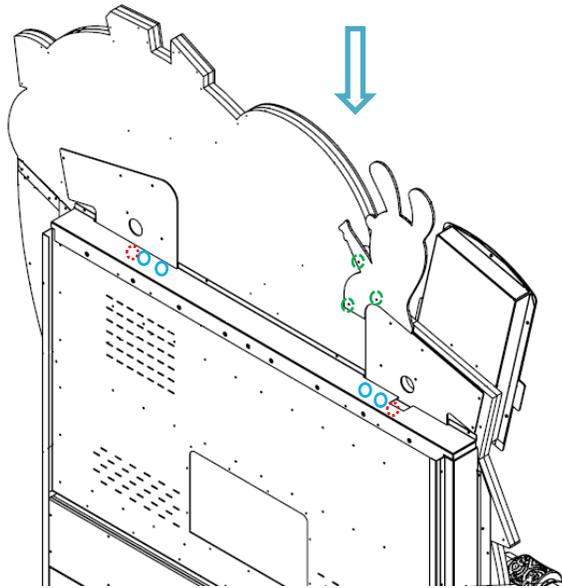
2) Attach the top and the right header with 4 pan head 10-24 black machine screws ⚬

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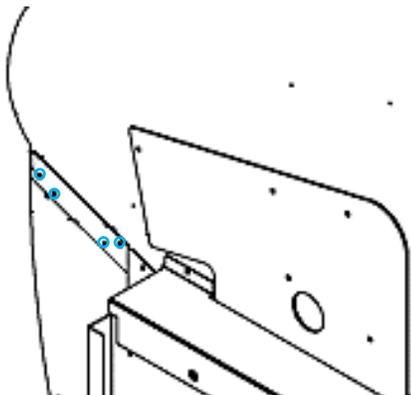
3) Connect all wires and cables together

3-pin connector

Barrel connector

3-pin connector

AC Cable

3-pin connector
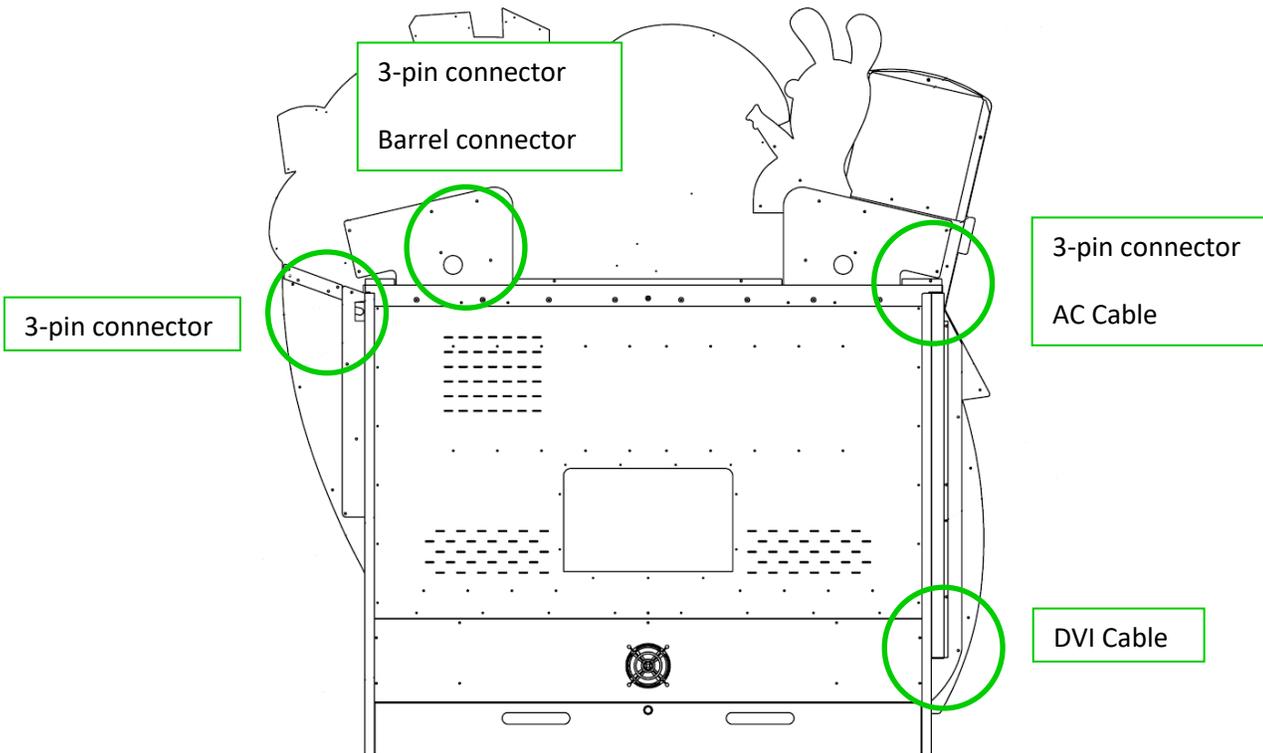
DVI Cable

Connect the 3-pin connectors together (3x)

Connect the barrel connectors together (2x)

Connect the AC cable of the bonus spin monitor

Connect the DVI cable of the Bonus Spin monitor

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4) Install the horizonal wire cover RL-01-0020 with the following hardware:

4x zinc pan head 8-32 screws ⊙

4 x pan head 10-24 black machine screws ⊙
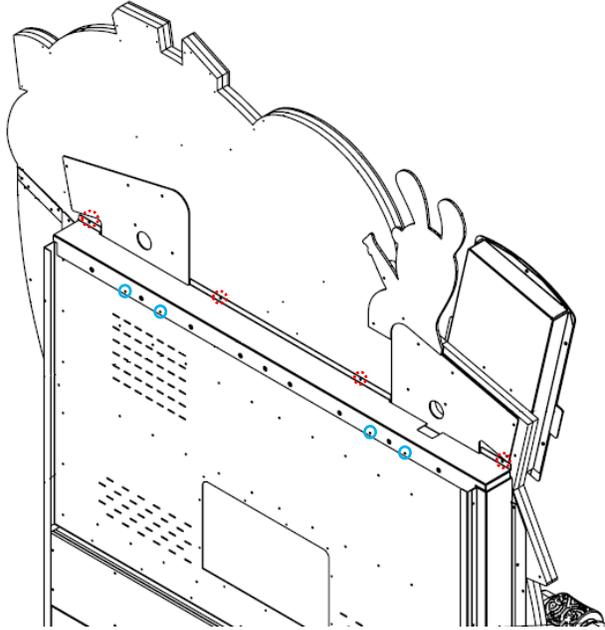
5) Install the vertical wire cover RL-01-0018 with the following hardware:

3x zinc pan head 8-32 screws ⊙
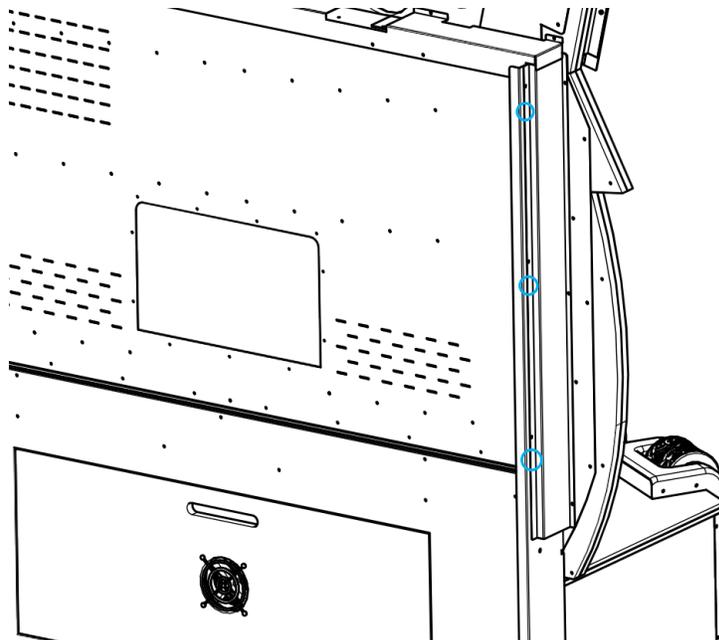
Chapter 05 – Operator Menu

Operator Menu

Access the Operator Menu by pressing the white operator menu button behind the center door of the cabinet.
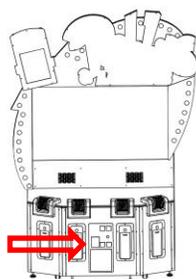
Navigate through the operator menu using the steering wheels and pedals or by using your keyboard's numerical pad keys "1","2" and "3".

PREVIOUS   SELECT   NEXT

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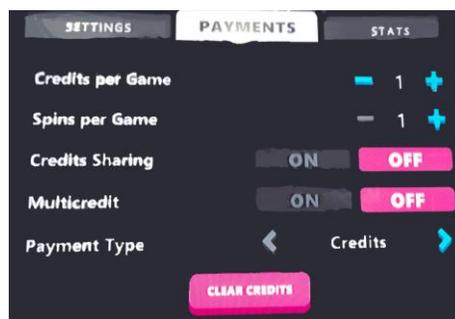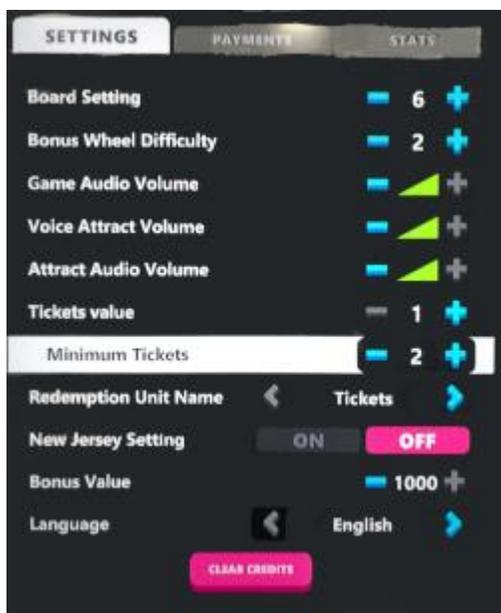| SETTINGS		
Operator Menu	**Values**	**What It Does**
Board Setting	1-12	Adjusts the game board's configuration
Bonus Wheel Difficulty	1-3	Adjusts the difficulty to reach the bonus wheel
Game Audio Volume	0-20	Adjusts the in-game audio volume. "0" will mute the game.
Voice Attract Volume	0-20	Adjusts the in-game voice volume. "0" will mute the voice
Attract Audio Volume	0-20	Adjusts the volume of the voice attract loop. "0" will mute the voice
Ticket Value	1-2	Adjusts the value of physical tickets. Physical tickets are either worth "1" ticket or "2" tickets.
Minimum Tickets	0-20	Adjusts the minimum number of tickets dispensed per play.
Redemption Unit Name	Tickets/Coupon	Adjusts the in-game text accordingly
New Jersey Settings	On/Off	If set to On, a message will be displayed if more than 40 credits are inserted.
Bonus Value	100-2000	Maximum number of tickets that can be won when a player reaches the bonus wheel
Language	English/Français	Switches the game and the menu's language
PAYMENTS		
Operator Menu	**Values**	**What It Does**
Credits Per Game	1-20	Adjusts the number of credits required to play. "0" sets the unit in free play mode.
Spins per Game	1-3	Number of spins allowed for each player in a single game
Credit Sharing	On / Off	Adjusts the credit sharing option between each player. (Off: Sharing Disabled // On: Sharing Enabled) **If you have Card Readers (2X) please use OFF.**
Multicredit	On/Off	
Payment Type	Credit / Card	Changes the credit type. "Credits" = Coins and "Card" = Card Reader. This will change the in-game text accordingly.
Clear Credits		Resets the Inserted credits to 0 if more than 40 credits are entered.
Resume Game		Exits the Operator Menu and returns to the game.
Quit Game		Exits the game and returns to the Windows desktop.
Calibrate Pedals		Displays the previous errors
Activate Players		Exits the Operator Menu and returns to the game.

Chapter 06 – Service & Repair

Computer Connections
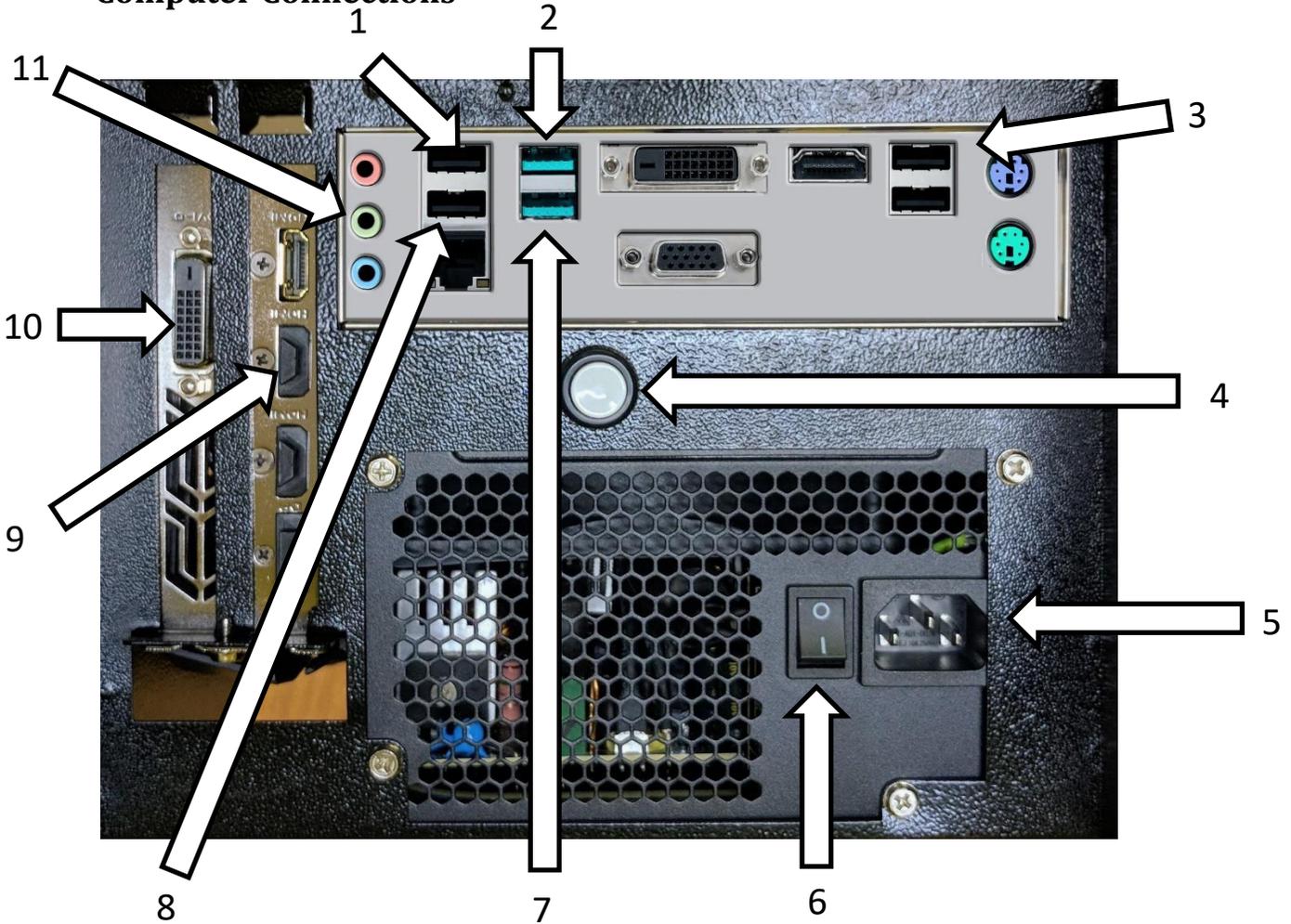
No.	Description
1	USB Port to I/O Board
2	USB Port to Quadrature Board
3	USB Port to USB Hub
4	Power Button
5	AC Inlet Power Supply
6	AC Power Switch
7	USB Port to 24V RGB Controller
8	USB Port to 12V RGB Controller
9	HDMI port for 65'' Monitor
10	DVI Port for Bonus Spin Monitor
11	Green Audio Jack 3.5 mm for Speakers 1 & 2

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Troubleshooting

* <u>NOTE: When requesting a warranty replacement, you will be asked to give the unit's serial number from the back of the unit.</u>

Video Troubleshooting

No Picture or Display Problem	There might have loose or faulty connections between the monitor and the computer. Make sure that both the DVI and HDMI cables are connected properly in the computer's video card and in the monitor connectors.
	Verify that the Computer is powered on. The fan on the side of the computer case should be spinning as a reference, if it's not spinning press the Power Button on the front of the computer.

Audio Troubleshooting

Low Volume / No Sound	Increase the volume in the game by pressing the Operator Button and adjusting the volume options in the Operator Menu. You might also Quit the game to Windows desktop and increase the volume via the 🔊 Speaker icon on the bottom right of your screen.
	Verify the wirings behind the speakers and the amplifiers. Verify that the 1/8'' audio jack is plugged in the computer's sound input jack and that the other end RCA's are plugged in the sound amplifier.

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RGB Led Troubleshooting

If the RGB LEDs are not working properly verify that the RGB LED Controller is connected on a valid COM Port.

Press the Operator Button and Quit/Exit the game to Windows Desktop.

Connect a USB mouse.

Right-click on the windows flag on the bottom left corner and select Device Manager.

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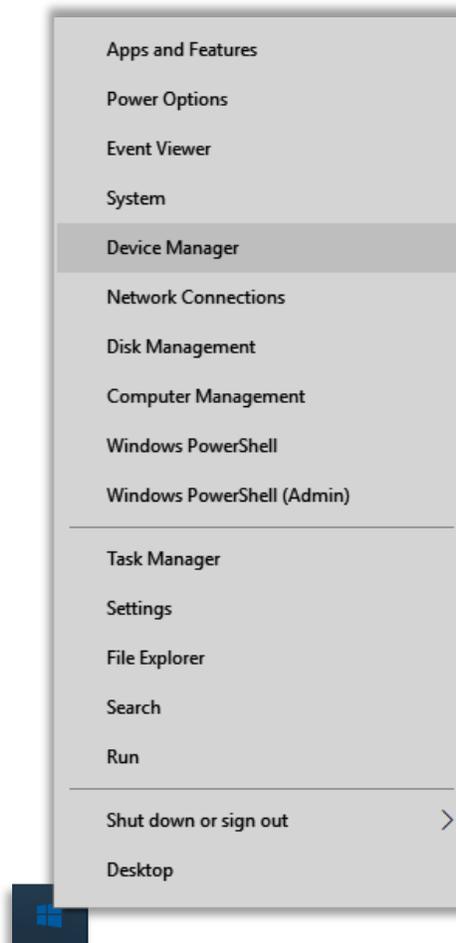
Expand the "Ports (COM & LPT)" line by clicking on the >.
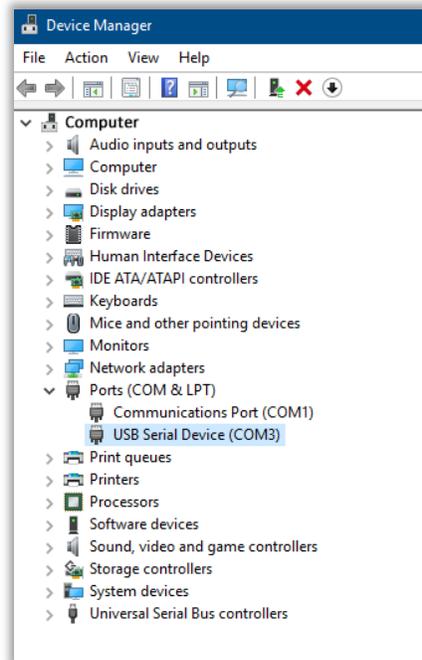
Verify that the "USB Serial Device" is set between COM2 to COM9.

If it's outside this range, double-click on it to open its properties.

Select the "Port Settings" Tab.

Click on "Advanced…"
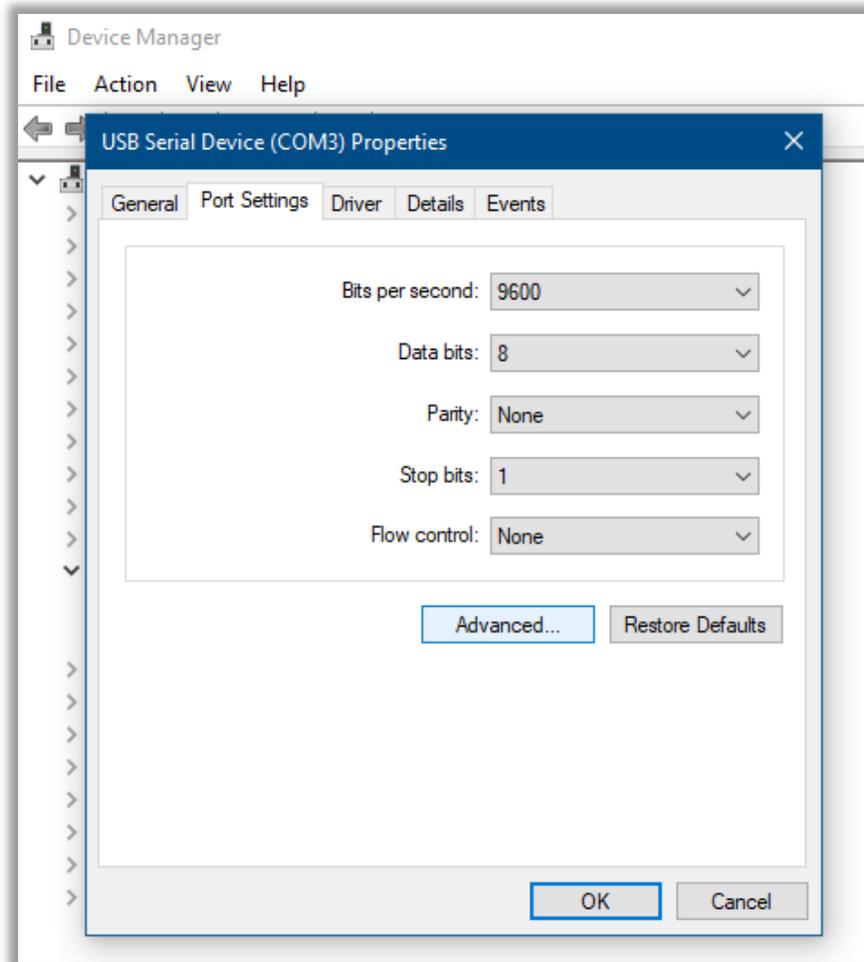
Click on the COM Port Number scrolling menu and select COM9.

Click on OK.

Click on OK again.

Close the Device Manager window and restart Windows.
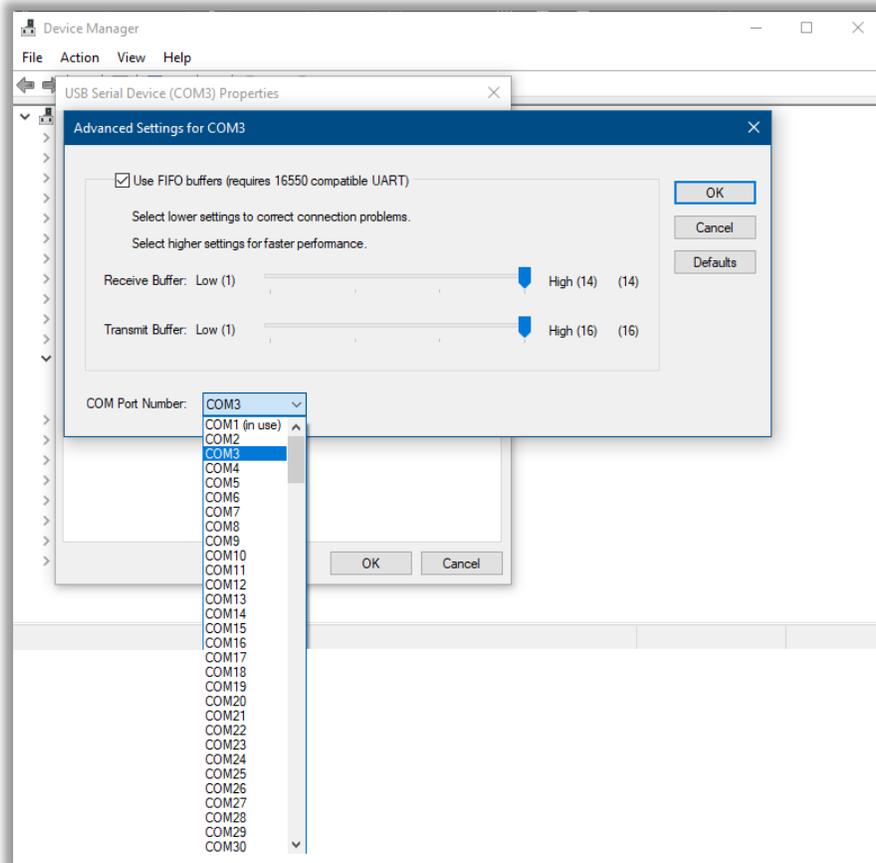
Wireless Internet Configuration

Your network can be configured via Ethernet cable or Wireless.

If you have an Ethernet cable available to be plugged in, insert it into the motherboard LAN RJ45 connector.
If not, here's how to configure your wireless network with your own existing Wi-Fi network.

-Start the unit.

-There will be Adrenaline Amusements wallpaper with a 150 seconds delay before the attract mode shows up. It gives enough time for a wireless network to connect.
(*This delay will be present on each reboot if you don't connect your unit to the Internet*)*.

-Open the service door and press the Operator button.

-Choose Exit/Quit to Windows.

-Connect the provided USB hub and into it the USB keyboard and mouse.

- Open Connect to a Network by clicking the network icon (⏾) in the lower right corner of the screen.

-In the list of networks, click the network you want to connect to and click connect.

-Enter your security key.

-Once connected, double-click the GameLauncher shortcut on the desktop.

Having your unit connected to the Internet includes free software live update!

*If you do not connect your unit to the Internet, you can double-click the Disable_Network shortcut on the Windows desktop to bypass the 150seconds Internet lookup delay.

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Operator Settings keeps resetting

Operator Settings keeps resetting back to default values after powering off the breakers.

The Windows & SSD Device write cache needs to be disabled:

-Exit the game to Windows.
-Press on Start
-Right click on My Computer
-Choose Properties
-Click on Device Manager
-Expand Disk Drives
-Double click the SSD Hard Drive 60Gb or 120Gb Device (<u>Not the USB drive</u> if there is one)
-Go to Policies
-Remove the check in front of "Enable Write caching on the device" as seen below, press OK and then YES to reboot the computer. If it doesn't ask to reboot the computer you need to do it by pressing Start, Restart.

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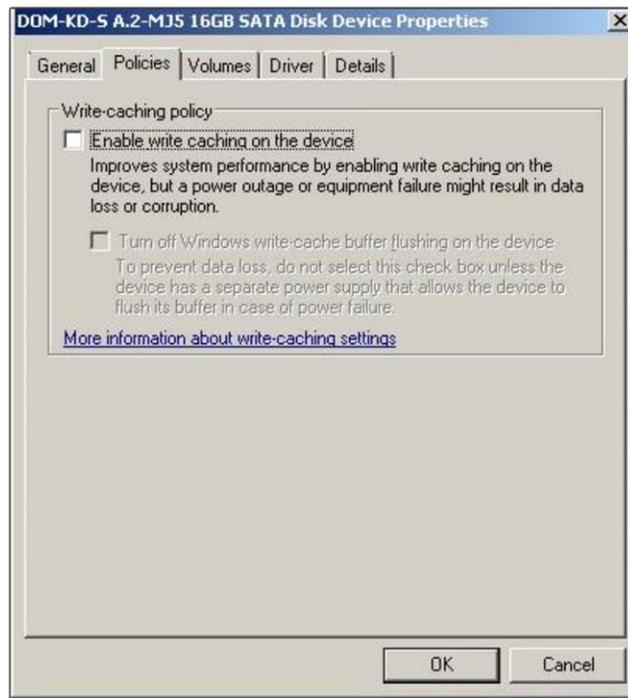
Computer not powering at boot

If your computer is not powering on by itself at boot you'll need to verify the Bios Setting.

-Power off the computer.
-Plug a USB keyboard and a USB mouse.

-Press the power button on the computer.
Press and hold F12 on the keyboard until you see the Bios screen.

Using the arrow keys, navigate to the Security tab
Select Secure Boot, and make sure that it's enabled
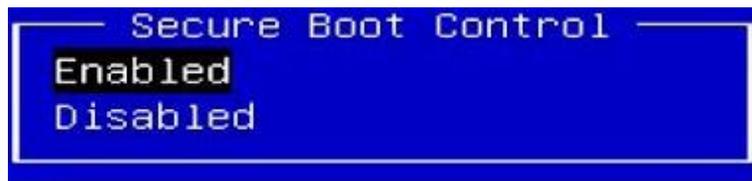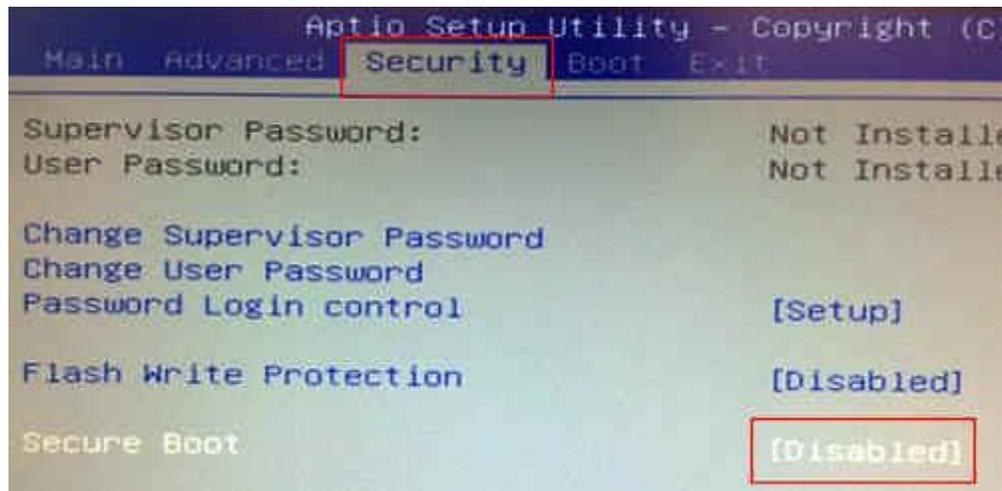
Chapter 07 - Parts

Front Cabinet Parts
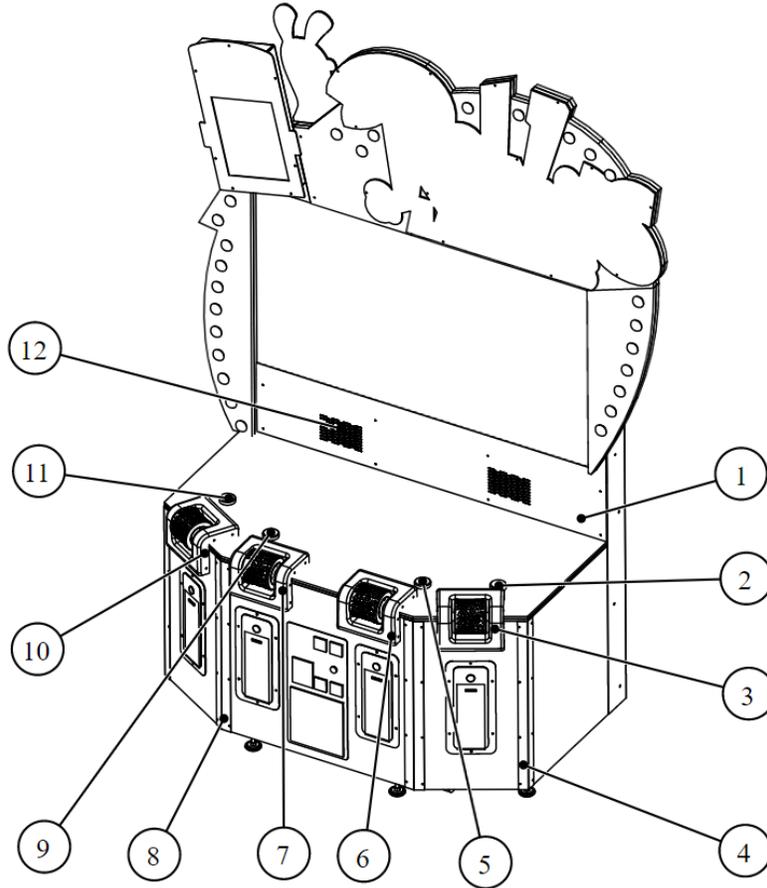
#	Part Description	Part #
1	PVC for Below Screen, Rabbids and Ladder	RL-07-0020
2	Red Large Round Button with Led White Lamp	ADR-75-L012-600
3	Magenta Roller Towel Assembly	RL-00-0300-M-KIT
4	Front Side Bracket	RL-01-0011
5	Yellow Large Round Button with Led White Lamp	ADR-75-L012-155
6	Yellow Roller Towel Assembly	RL-00-0300-Y-KIT
7	Green Roller Towel Assembly	RL-00-0300-G-KIT
8	Front Center Bracket	RL-01-0013
9	Green Large Round Button with Led White Lamp	ADR-75-L012-133
10	Blue Roller Towel Assembly	RL-00-0300-B-KIT
11	Blue Large Round Button with Led White Lamp	ADR-75-L012-122
12	Speakers 4''	ADR-50-9986-00

Rear Cabinet Parts
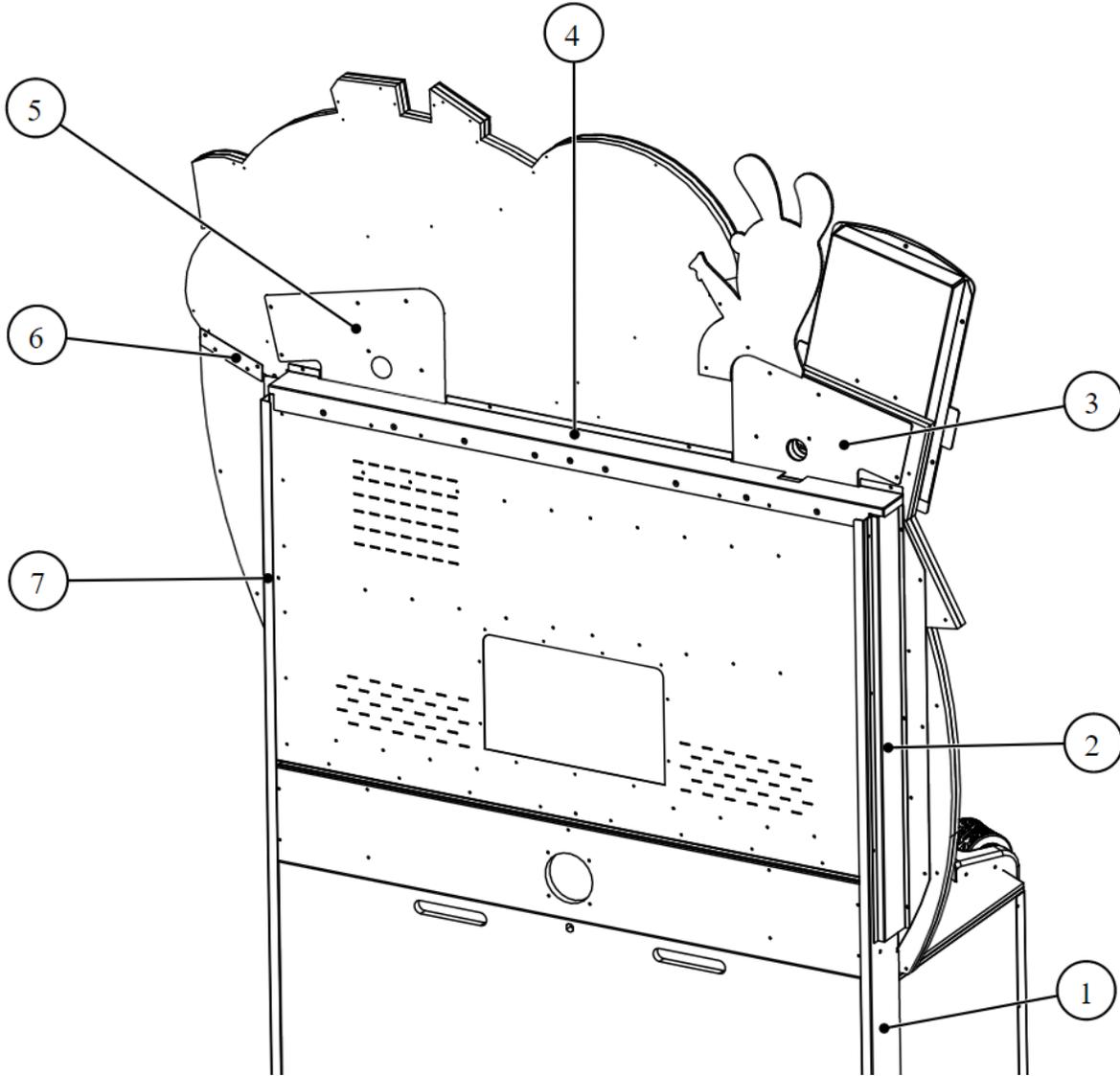
Ref	Part Description	Part #
1	Left Screen Support	RL-01-0017
2	Side Wire Cover	RL-01-0018
3	Left Side Header Bracket	RL-01-0021
4	Wire Cover Top	RL-01-0020
5	Right Side Header Bracket	RL-01-0022
6	Bracket Holder for Header	RL-01-0024
7	Right Screen Support	RL-01-0016

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Other Cabinet Parts

1) 2) 3) 4) 5)

6) 7)
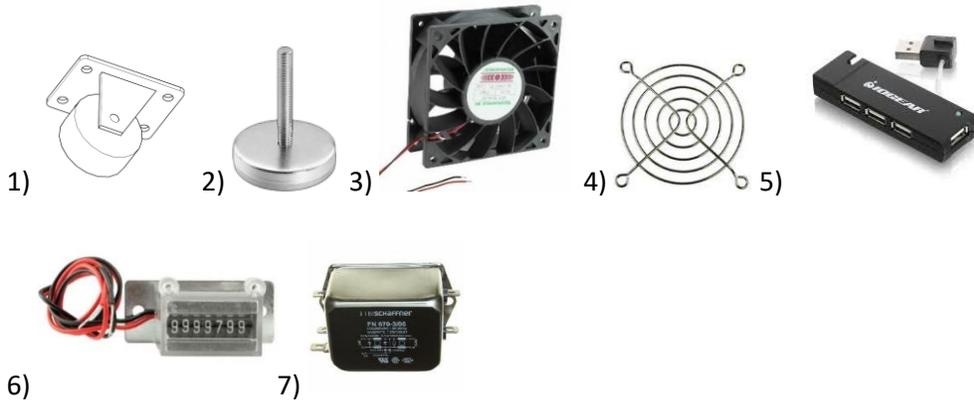
Ref	Part Description	Part #
1	General Duty Rubber Caster, 2-1/2''	INV-F25083
2	Leg Leveler 1/2"-13 x 4" Thread, 2-3/8" Base Diameter	INV-62805K-39
3	Kit for Fan 138CFM With Harness, 120mm	ADR-FAN-120MM-02-KIT
4	Grill 120mm	ADR-GRILLE-120MM
5	4-Port USB, 2.0 Hub, Type A Male USB	INV-11-1020
6	Meter, 12V, 7 Digit with Bracket	ADR-42-08012-072
7	Multi-Stage Filter 6A	ADR-817-1321-ND

Monitor Replacement Parts

1) 2)

3) 4) 5)
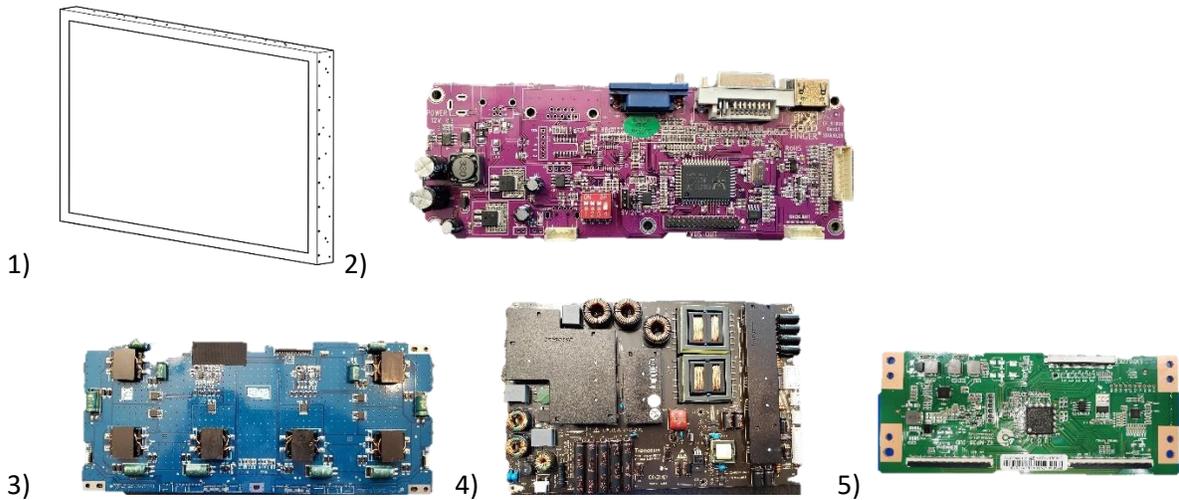
Ref	Part Description	Part #
1	Monitors 65'', Black Frame, With Safety Glass	RAM-10-0001
2	Video Board for 65 Monitor	RAM-10-0001-VIDEO-BOARD
3	Inverter Backlight Board with Cable and Harness for 65'' Monitors	RAM-10-0001-INVRT
4	Power Supply for 65'' Monitors	RAM-10-0001-PS
5	Logic Panel Control Board with Ribbons Cables for 65'' Monitors	RAM-10-0001-LB

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Computer & Electronics

1)

2)

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4)

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12)
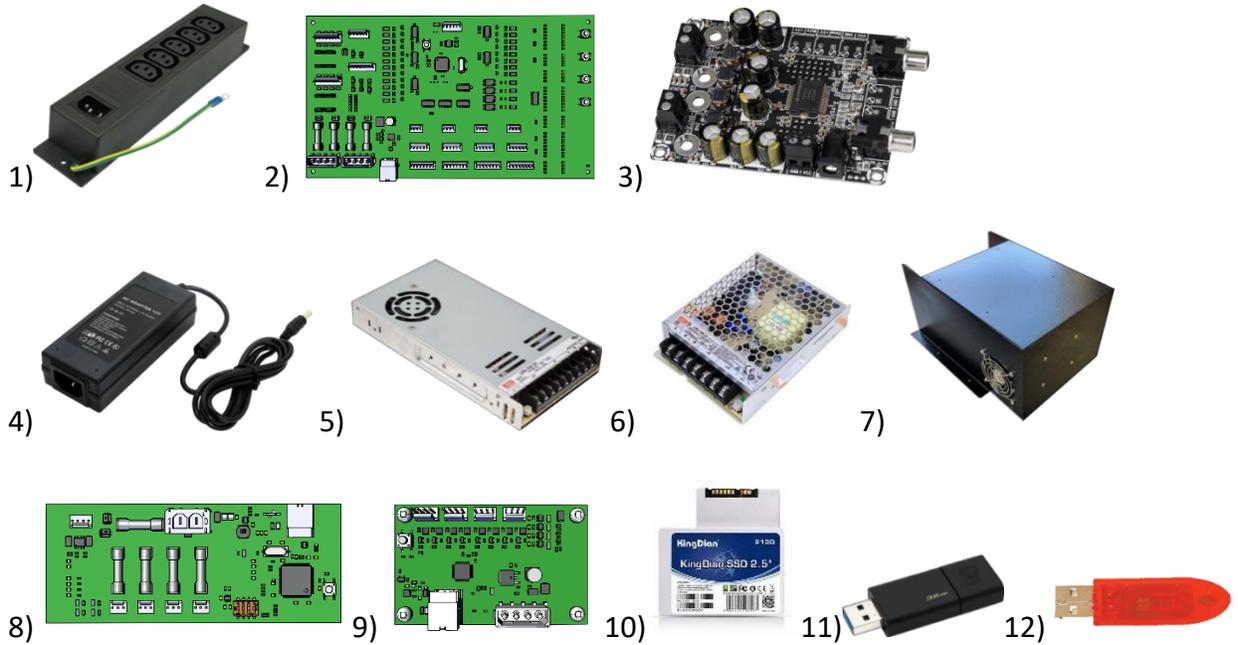
Ref	Part Description	Part Number
1	Power Bar 5 positions	INV-05-1242
2	I/O Board, 4 Players, 4 Motor Control, Version 5.0 For Rabbids and Ladders	ADR-04-1003-RL
3	2X15 Watt Class D Audio Amplifier Board	INV-14-0005
4	Switching Power Supply, 12 V, 5A, 2.1mm x 5.5mm Plug	INV-14-0006
5	Switching Power Supply 12V, 320W	INV-05-1248
6	Switching Power Supply 24V, 108W	AAG-13-0011
7	PC Box for Rabbids and Ladders with Motherboard H310	ADR-11-1019-RL
8	RGB Led Controller Board Assembly 12V-24V W/Output 12V Program RGB Led Controller Board Assembly 12V-24V W/Output 24V Program	AAG-04-0015-12RL AAG-04-0015-24RL
9	Program Quadrature Decoder PCB Assembly	AAG-04-0009-PROG
10	Hard Drive for Rabbids and Ladders for H310	INV-11-1027-RL-H310
11	Restore Usb Key Rabbids & Ladders with Fujitsu H310	ADR-11-2014-RL-H310
12	Red Dongle	INV-11-1002

Cabinet Doors

1)   2)   3)   4)   5)

6)   7)   8)   9)
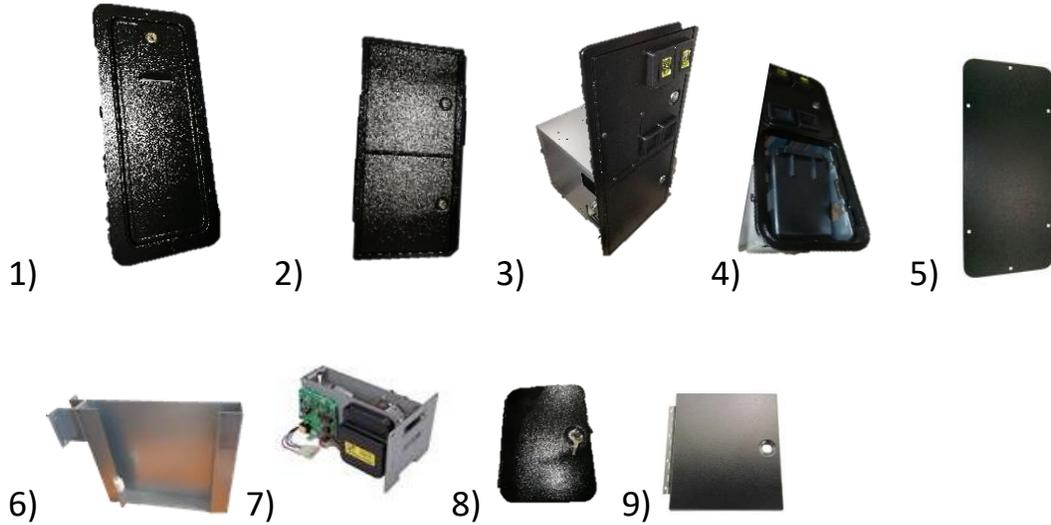
Ref	Part Description	Part #
1	Ticket Dispenser Door Including LEDs, Without Dispenser	ADR-40-0540-00KA
2	Door and Frame Assembly with Blank Upper and Bottom Door	ADR-40-0745-20KA
3	Door Assembly With 2 Upper Mech Holder, 1 Validator Cut Out, Blank Bottom Door	ADR-40-3000-06LKA
4	Door Assembly with One Upper Mech Holder, Round Corner, Universal Logo, NO Bottom Door	ADR-40-0512-06NMKA
5	Metal Plate for Ticket Door	SHT-01-0070
6	Ticket Bin with Level Sensor Switch	ADR-42-1015-00
7	Ticket Dispenser D-TYPE	ADR-TD-0001
8	Round Corner Blank Door Only	ADR-42-3145-100
9	Blank Door Black, No Lock	ADR-42-3607-90

Roller Towel Assembly

1)

2)

3)

4)

5)
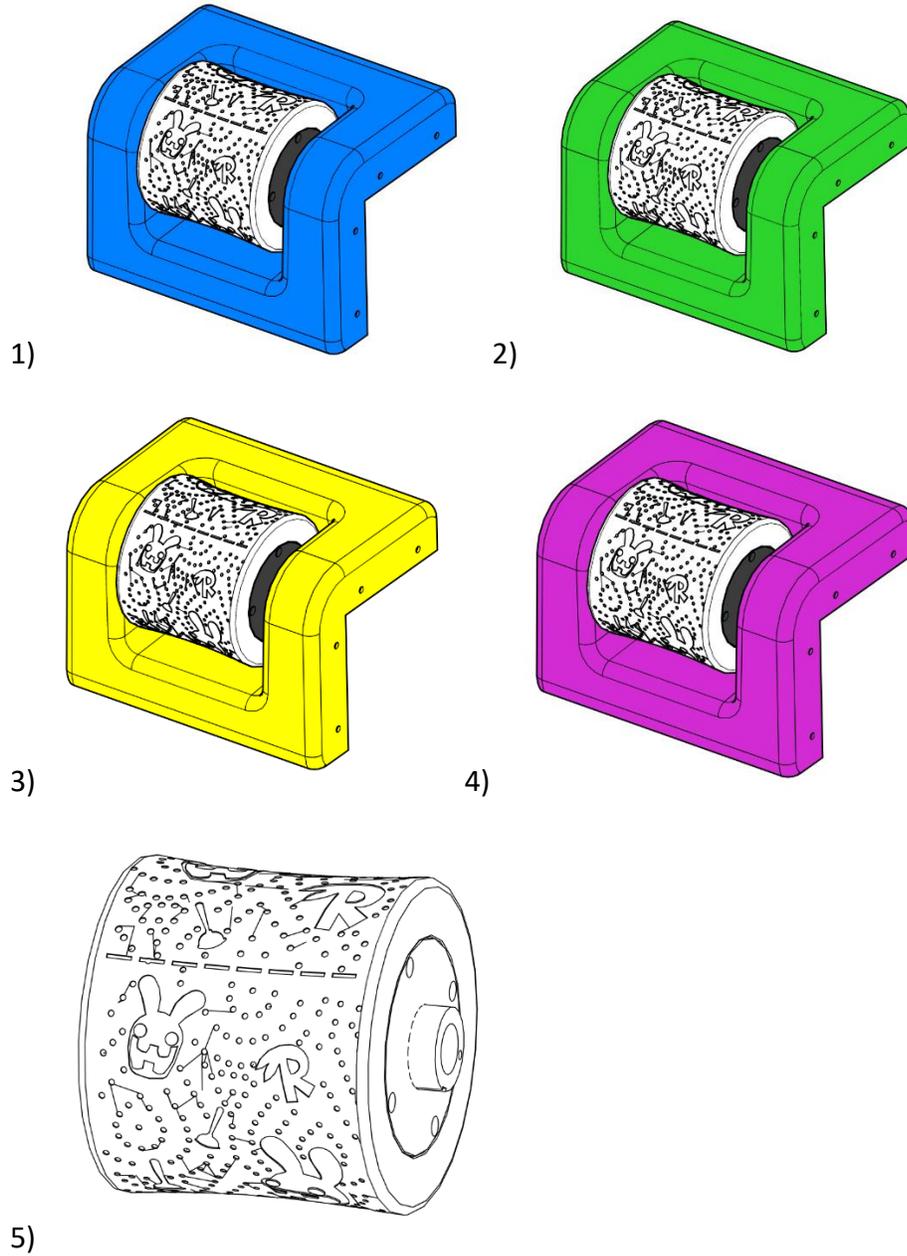
Ref	Part Description	Part Number
1	Blue Roller Towel Assembly	RL-00-0300-B-KIT
2	Green Roller Towel Assembly	RL-00-0300-G-KIT
3	Magenta Roller Towel Assembly	RL-00-0300-M-KIT
4	Yellow Roller Towel Assembly	RL-00-0300-Y-KIT
5	Roller Assembly with Cable	RL-07-0003-KIT

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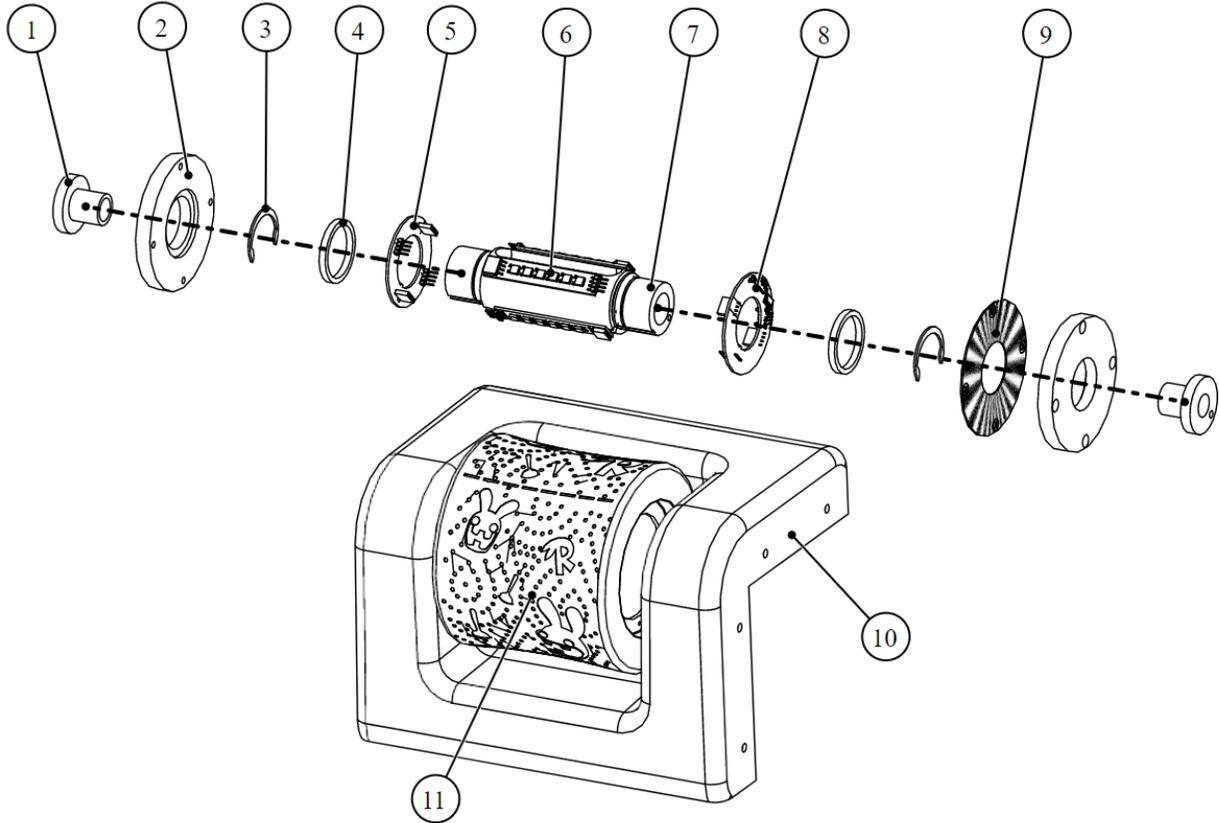
Ref	Part Description	Part Number
1	Side Flange Bushing	RL-07-0005
2	Roll Disk	RL-07-0007
3	Low-Clearance External Retaining Ring for 1-1/4" OD	CONS-52-0009
4	Roll Disk Spacer 4mm	RL-07-0008
5	Interconnect Roll PCB Assembly	AAG-04-0010
6	Roll LED Strip PCB Assembly	AAG-04-0011
7	Roller Shaft	RL-01-0002
8	Infrared Radiation Sensor PCB Assembly	AAG-04-0008
9	Rotary Encoder Sticker	RL-09-0001
10	Blue Roller Holder	RL-07-0004-B
	Green Roller Holder	RL-07-0004-G
	Yellow Roller Holder	RL-07-0004-Y
	Magenta Roller Holder	RL-07-0004-M
11	Roller Paper for Rabbids & Ladders	RL-07-0003

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Header & LEDs

Logo 'Rabbids & Ladders' For Header: RL-07-0012

Rabbids Shape Host For Rabbids & Ladders: RL-07-0025

Bonus Wheel Assembly

6)

7)
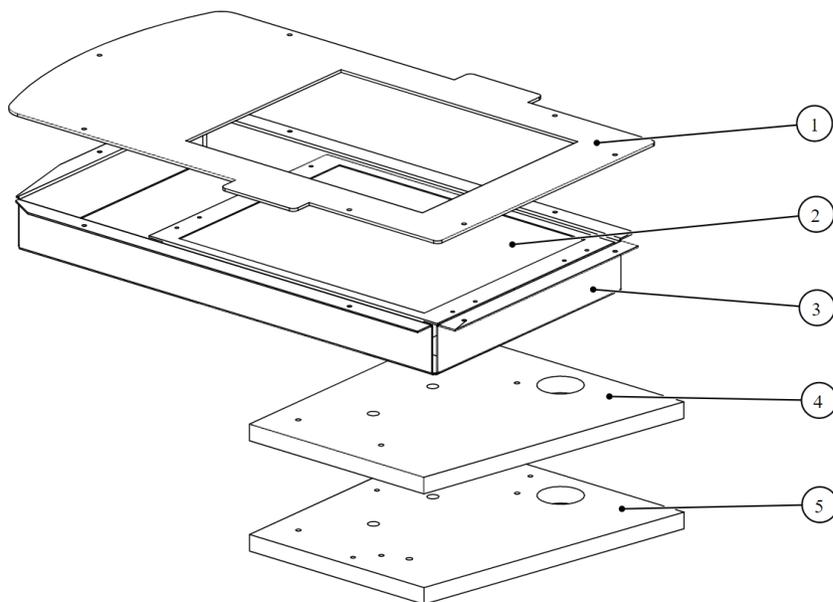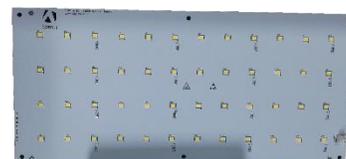
Ref	Part Description	Part Number
1	Spin Bonus for Rabbids & Ladders	RL-07-0031
2	Monitor 17'' VGA + DVI, With Glass	SF-10-0001
3	Top Display Screen Cover	RL-01-0008
4	Small Top Front Panel	RL-07-0066
5	Small Top Rear Panel	RL-07-0060
6	4.5'' X 10'' Backlight LED Board	AAG-04-0019
7	Switching Power Supply, 12 V, 4.16A, 2.5 x 5.5mm Plug	SF-10-0001-PS

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Center Header:

14)

15)
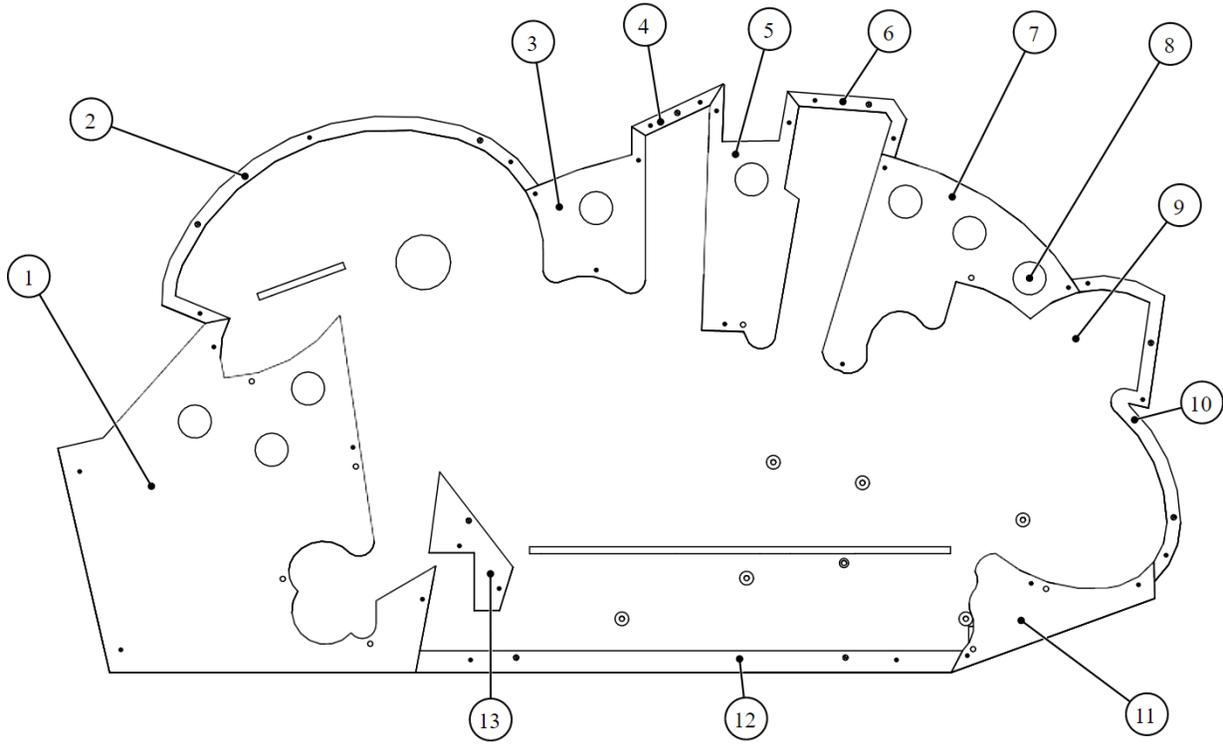
Ref	Part Description	Part Number
1	Top Panel Front Cutout	RL-07-0046
2	Top Panel Front Cutout	RL-07-0048
3	Top Panel Front Cutout	RL-07-0050
4	Top Panel Front Cutout	RL-07-0049
5	Top Panel Front Cutout	RL-07-0051
6	Top Panel Front Cutout	RL-07-0052
7	Top Panel Front Cutout	RL-07-0053
8	24V RGB Bulb with LED YJLED-061-SV12RGBW-C	AAG-14-0002
9	Top Panel Front Cutout	RL-07-0040
10	Top Panel Front Cutout	RL-07-0054
11	Top Panel Front Cutout	RL-07-0055
12	Top Panel Front Cutout	RL-07-0047
13	Top Panel Front Cutout	RL-07-0045
14	White 75'' Led With 3' Female Connector 2.1mm x 5.5mm	TR-14-0004
15	Dual Lines Junction 4:1	AAG-04-0012

Right Header Assembly
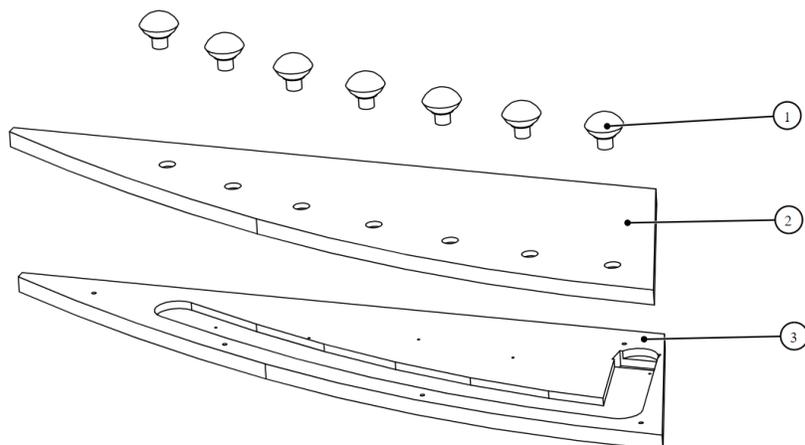
Ref	Part Description	Part Number
1	24V RGB Bulb with LED YJLED-061-SV12RGBW-C	AAG-14-0002
2	Front panel Right Header Rabbid's and Ladders	RL-07-0009
3	Rear panel Right Header Rabbid's and Ladders	RL-07-0039

Left Header Assembly
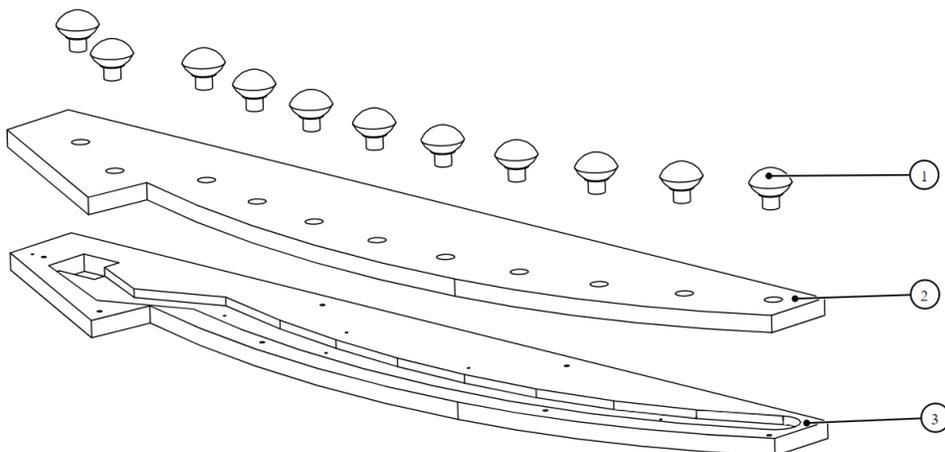
Ref	Part Description	Part Number
1	24V RGB Bulb with LED YJLED-061-SV12RGBW-C	AAG-14-0002
2	Front panel Left Header Rabbid's and Ladders	RL-07-0011
3	Rear panel Left Header Rabbid's and Ladders	RL-07-0041

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Cabling

Part Description	Part Number
Splitter Cable Barrel Connector, 2.1mm Female to 2 x 2.1mm Male, 300mm	TF-05-1223
Power Entry EMI Filter	ADR-05-1241
Power Cord, PDU to CPU, IEC-C13 to IEC-C14, 18AWG, 3'	INV-PW-100-03
Power Cord, PDU to CPU, IEC-C13 to IEC-C14, 18AWG, 8'	INV-PW-100-08
Power Cord, IEC-C14 to IEC-C7 (2-Prong) SPT-2, 18AWG, 3'	INV-PW-117-03
USB "AB" cable, 3'	INV-USB-AB1-03
Cable Usb 'AA' 2.0, Male to Female, 10'	USB-AA3-10BK
USB "AB" cable, 6'	INV-USB-AB1-06
DC Power Connector Female 2.1mm x 5.5mm, 8"	INV-CN-DCF-8IN

Misc. Parts

Part Description	Part Number
Full Extension Ball Bearing Slide, 20'', 100 lbs Capacity	INV-28602500

Wiring Harnesses

Part Description	Part Number
Harness I/O board to Card reader 109''	AAG-03-0024
Harness I/O Board to Coin 2 player	AAG-03-0025
Harness 2 speakers 76''	AAG-03-0026
Harness Quad decoder to Roll	AAG-03-0027
Harness Inside Roll to Quad decoder	AAG-03-0028
Harness RGB Ctrl 24V to Led RGB Header Right 173''	AAG-03-0029
Harness RGB Ctrl 24V to Led RGB Header Left 107''	AAG-03-0030
Harness Power Entry Led RGB 24V 19''	AAG-03-0031-MOD
Harness RGB Ctrl 24V to Led RGB Header center 164.5''	AAG-03-0032
Harness RGB Ctrl 12V to Led Header 70.75''	AAG-03-0033
Harness 12V PSU to Led Header 164''	AAG-03-0034
Harness I/O Board to Ticket Feeder 112.75''	AAG-03-0035
Harness 12V PSU to Fan and Card Power	AAG-03-0036
Harness I/O board to Operator button 82''	AAG-03-0037
Harness PSU12/24 to CTRL Led RGB	AAG-03-0038
Harness 6' EMI Filter To Power Bar	AAG-03-0039
Harness for Power I/O board	RAM-03-0009
Harness for PSU Power	BLX-03-0014

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Hardware Kit

1)   2)   3)   4)
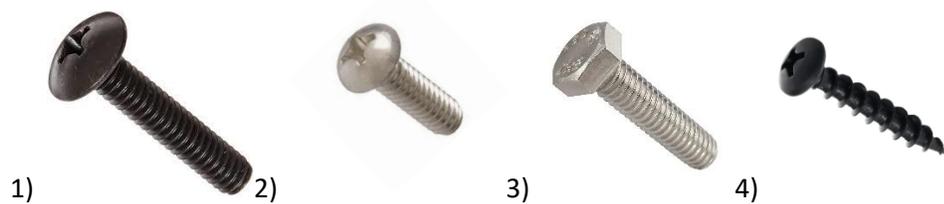
Ref	Part Description	Part Number	Qty
1	Phillips machine screws 10-24 x 3/4" Black	MS-PP-BS-10-24X3/4	25
2	Philipps machine screws 8-32 x 3/4'' Zinc	MS-PP-ZS-08-32X3/4	11
3	Hex head machine screws ¼-20 x 3/4	HS-HH-Z-1/4-20X3/4	2
4	Round head particle screws #8 x 3/4	PS-PP-BS-N08X3/4	3

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Chapter 08 – Diagrams & Schematics

I/0 Board ADR-04-1003-RL

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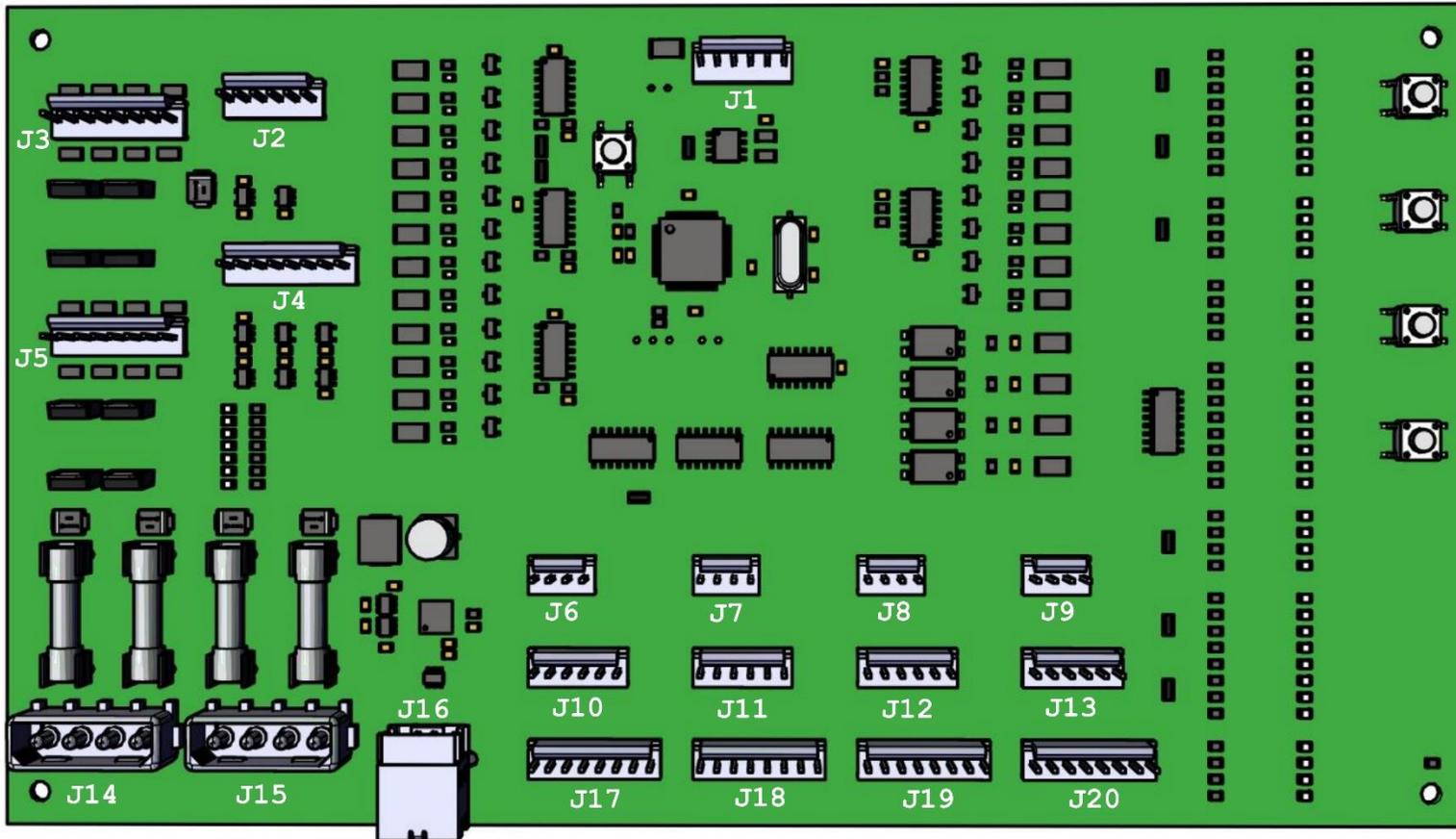
I/O Board Connections

J1	J2	J3	J4
1. (Red) OPERATOR 2. Not Connected 3. Not Connected 4. Not Connected 5. (Black) GND 6. Not Connected			

J5	J6	J7	J8
	1. (White) 12V 2. (Red) OUT 3. (Black) OPTO1 4. (Green) GND	1. (White) 12V 2. (Red) OUT 3. (Black) OPTO2 4. (Green) GND	1. (White) 12V 2. (Red) OUT 3. (Black) OPTO3 4. (Green) GND

J9	J10	J11	J12
1. (White) 12V 2. (Red) OUT 3. (Black) OPTO4 4. (Green) GND	1. (Red) 12V 2. (Black) OUT 3. (White) GND 4. (Blue) IN1 5. Not Connected 6. Not Connected	1. (Yellow) 12V 2. (Green) OUT 3. (Brown) GND 4. (Orange) IN1 5. Not Connected 6. Not Connected	1. (Red) 12V 2. (Black) OUT 3. (White) GND 4. (Blue) IN1 5. Not Connected 6. Not Connected

J13	J14	J15	J16
1. (Yellow) 12V 2. (Green) OUT 3. (Brown) GND 4. (Blue) IN1 5. Not Connected 6. Not Connected		1. (White) 2. (Yellow) 3. (Black) 4. (Red)	USB Port

J17	J18	J19	J20
1. Not Connected 2. Not Connected 3. (Red) IN1 4. Not Connected 5. (Black) GND 6. Not Connected 7. Not Connected 8. (Green) 12V	1. (White) 12V 2. (Black) GND 3. (Red) IN1 4. Not Connected 5. (Blue) GND 6. (Brown) OUT1 7. (Orange) OUT2 8. (Green) 12V	1. Not Connected 2. Not Connected 3. (Yellow) IN1 4. Not Connected 5. Not Connected 6. Not Connected 7. Not Connected 8. Not Connected	1. Not Connected 2. Not Connected 3. (Red) IN1 4. Not Connected 5. (Black) GND 6. Not Connected 7. Not Connected 8. (Green) 12V

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Speakers Wiring Colors

Speaker 1

+ Orange

- Brown

- Brown

+ Orange

Speaker 2

White RCA connector

Red RCA connector

Audio Amplifier 2x15W
Amplifier #1

From GREEN 3.5mm computer audio jack To Amplifier

Back of the Computer

Speaker 1

Speaker 2

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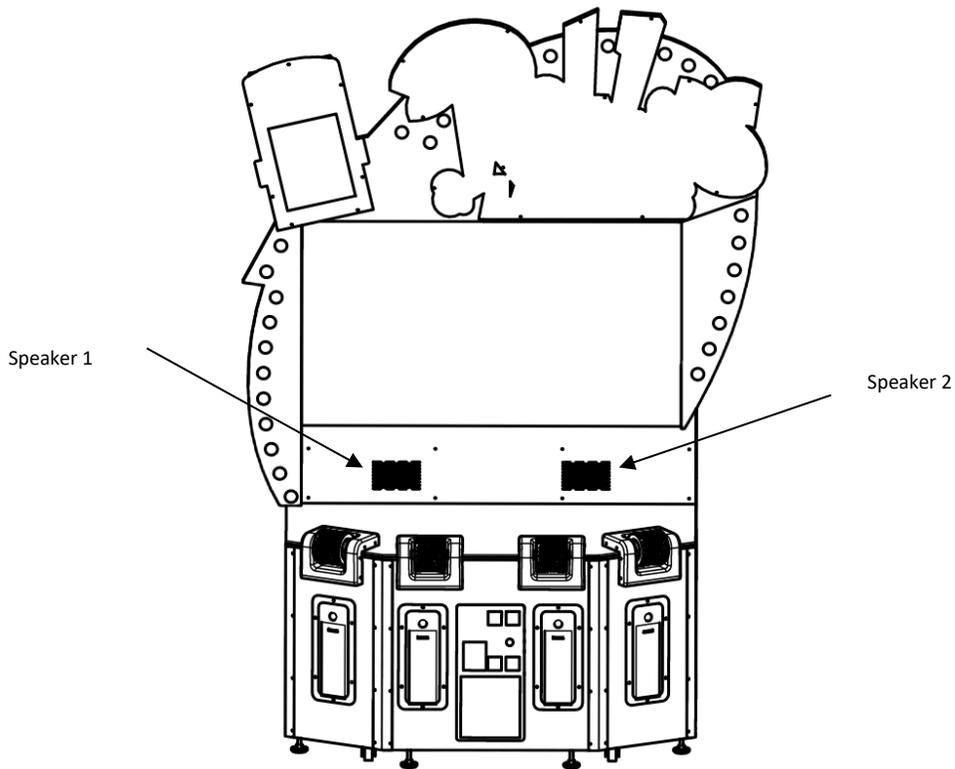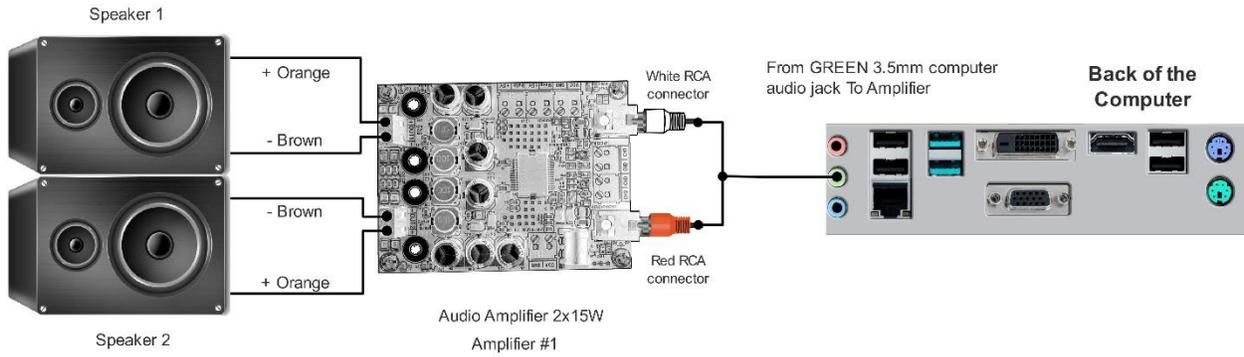
Power Distribution Schematics

Bonus Wheel
Monitor

I/O Board

AC Cable

DVI to Bonus
Wheel Monitor

65" LCD Monitor

Quadrature Sensor 1 to Player 1's Roll

Quadrature Sensor 2 to Player 2's Roll

HDMI to 65" Monitor

AC Cable

USB from PC to I/O Board

Quadrature Sensor 3 to Player 3's Roll

AC Cable

+5V from PC to I/O Board

Quadrature Sensor 4 to Player 4's Roll

AC Power
Strip

Computer

Quadrature
Board

USB from PC to Quadrature Board

POWER DISTRIBUTION

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Tray Assembly Schematics

AC to EMI Filter

AC to Audio Power Supply

AC to PC

AC to Bonus Spin Monitor

AC to 65" Monitor

AC to 12V Power Supply

AC to 24V Power Supply

AAG-03-0036 to Quadrature Board
AAG-03-0034 to Logo Header
AAG-03-0038 to 12V RGB Ctrler

BLX-03-0014 to power bar

Black   Red

AAG-03-0038 to 24V RGB Controller

Red   Black   BLX-03-0014 to power bar

USB to Computer

AAG-03-0038 to 12V Power Supply

(4x) AAG-03-0027 to Paper Roll LEDs (Players 1-4)

AAG-03-0033 to Bonus Spin monitor

USB to Computer

AAG-03-0038 to 24V Power Supply

AAG-03-0030 to Left Header
AAG-03-0032 to Centre Header
AAG-03-0029 to Right Header

to Audio Power Supply

to green audio jack

AAG-03-0026 to Speakers

(4x) AAG-03-0027 to Paper Roll LEDs (Players 1-4)

USB to Computer

AAG-03-0036 to 12V power supply

J15: RAM-03-0009 to PC 5V output

J16: USB to Computer

J2: AAG-03-0037 to OP Menu Button

J17 J20: AAG-03-0024 to Card Readers PLY 1 & 4 (2x)

J18 J19: AAG-03-0025 to Card Readers PLY 2 & 3 (1x)

J10 J11: BLX-03-0001 to Buttons PLY 1 & 2

J12 J13: BLX-03-0001 to Buttons PLY 3 & 4

J6 J7 J8 J9: AAG-03-0035 to Ticket Dispensers (4x)

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RGB LED Schematics

24V RGB
Controller

CH1: to
Left Header

CH3: to Right
Headeer

CH2: to Center
Header

24V RGB
Controller

OUTPUTS:
To Bonus Wheel
Monitor

CH4: PLY 4

CH3: PLY 3

CH2: PLY 2

CH1: PLY 1

12V RGB
Controller

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Chapter 09 – Software Recovery

If your unit software needs to be restored, please follow those instructions.

- Connect a USB keyboard to the motherboard.
- Connect the provided USB Recovery flash disk is in a **_Black_** USB port.
- Power on the unit and press F11 on the keyboard to display the boot menu.
- Choose the _UEFI: USB device ~16GB_

The process takes 25-30 minutes and the unit will reboot back in the game at the end. The Wireless credentials will need to be re-entered and Operator settings will be back at the default ones.

Chapter 10 – Card Reader

Configure your Operator settings as seen in Chapter 5 - Operator Menu.

Embed System

If you are using an Embed system, you need to connect your harnesses to Adrenaline Amusements I/O board & harnesses. You should refer to the Embed instructions manual for wiring pin-out.

The typical Embed settings are *Standard* except:

-Ticket Mech Type: Dumb DC

-Drive Polarity: Positive

-Notch Polarity: Negative

-Game ticket notch width = 6 (60ms)

-Game ticket notch spacing = 24 (240ms)

-Game Drive Threshold = 15 (1.5V or 1500mV)

-Drive Debounce = 40ms

Limited Warranty Policies

Customers must provide the unit serial number when claiming any warranty request.

Adrenaline Amusements (AAGames) warrants this Arcade unit (Including accessories) against defects in material or workmanship as follows:

This unit has a 1-year warranty against defective hardware from date of delivery.
Other than abuse or improper servicing, Adrenaline Amusements covers at no charge the replacement parts including standard shipping.

We offer an advanced replacement program and the customers have 30 days from delivery date to return back the defective equipment at their fees or they will be charged automatically for the replacement parts.

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, Adrenaline Amusements offers repairs & sales services options. Please contact the technical support department for information.

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