Blox Breaker

BLX-65-1001

ADRENALINE
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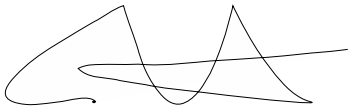
Operation & Service Manual

Version 4.1

*** 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 Blox Breaker 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



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Chapter 01 - Preface

Please read this page before preparing your Blox Breaker 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.

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

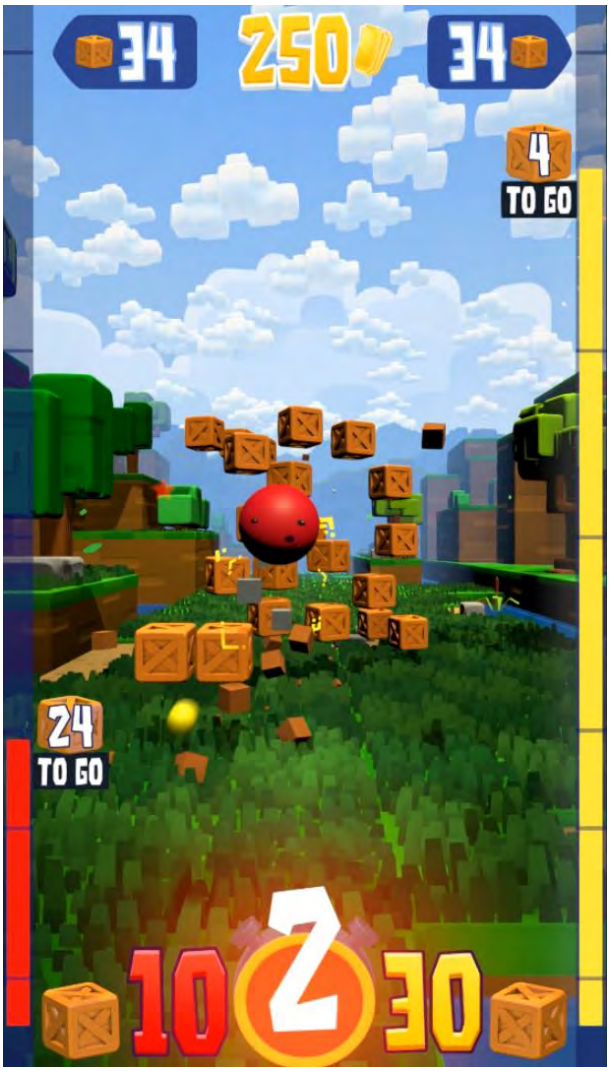
Voltage	Operating
110V AC	4.0 AMP
220V AC	2.0 AMP

Chapter 02 - Game Features

Are you a sharp shooter?
Then feast your eyes and take aim into the virtual world of Blox Breaker.

How to Play

- Throw the balls on the screen to destroy boxes
- The ball's trajectory goes into the digital realm
- Destroy as many boxes as you can



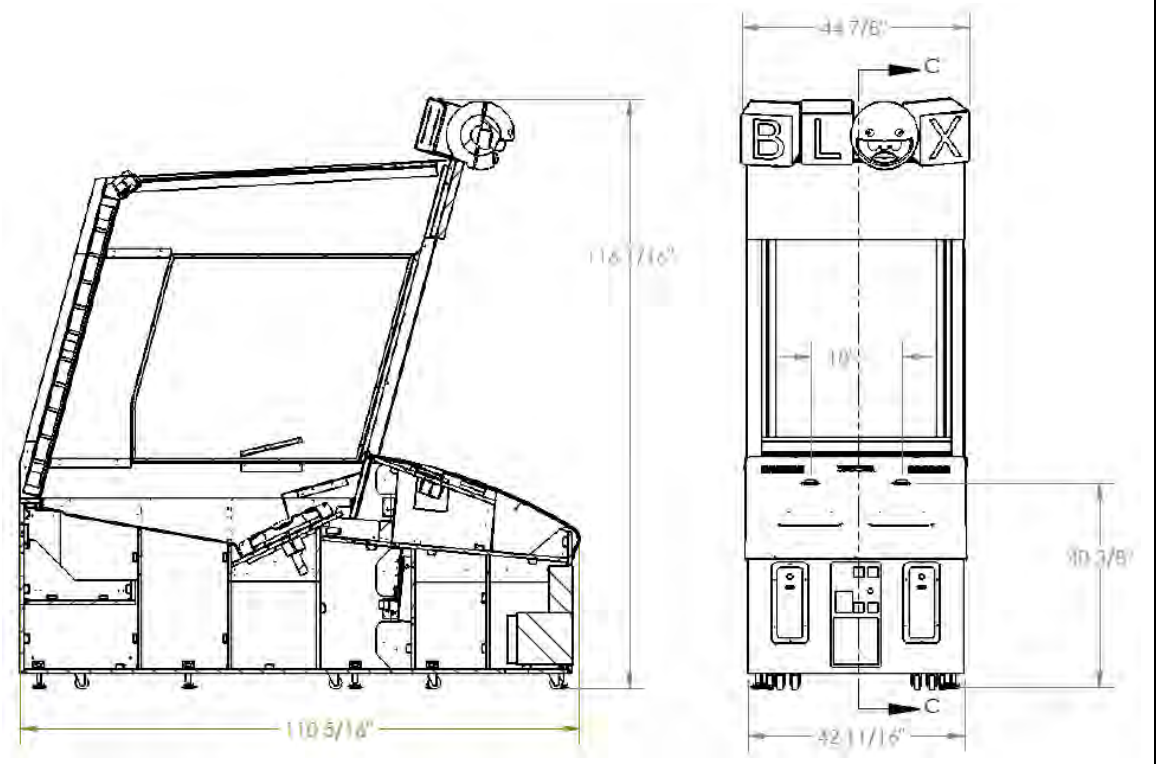
Chapter 03 – Unit Features

Hardware Features

- 2 Players Game
- 65 inches LCD Screen
- Unique Ball Trajectory through screen Technology

Cabinet Facts

Cabinet Dimensions



Height = 116.07” [2947.99mm]

Depth = 110.3125” [2801.94mm] **Width** = 42.6875” [1084.26mm]

Shipping Dimensions

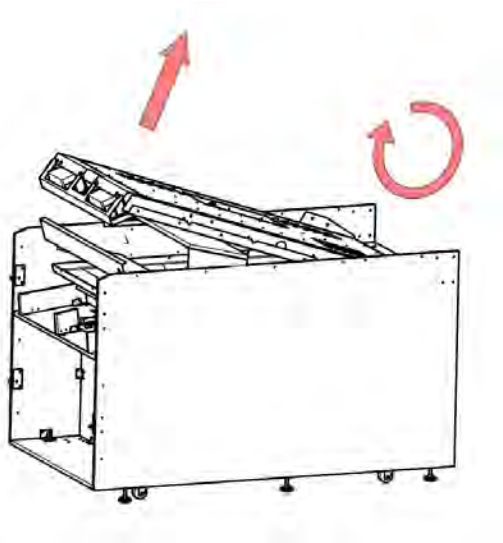
Width = 44”	**Depth** = 80”	**Height** = 45”
Width = 44”	**Depth** = 50”	**Height** = 45”
	Weight = 1500 lbs	

Chapter 04 – Unit Installation

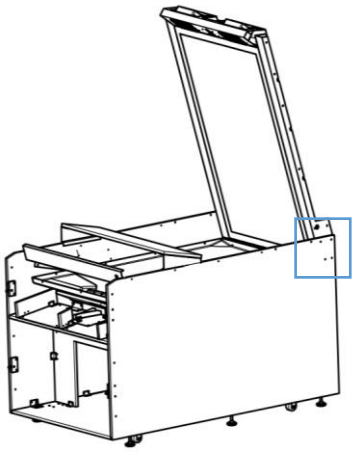
Assembling your Blox Breaker

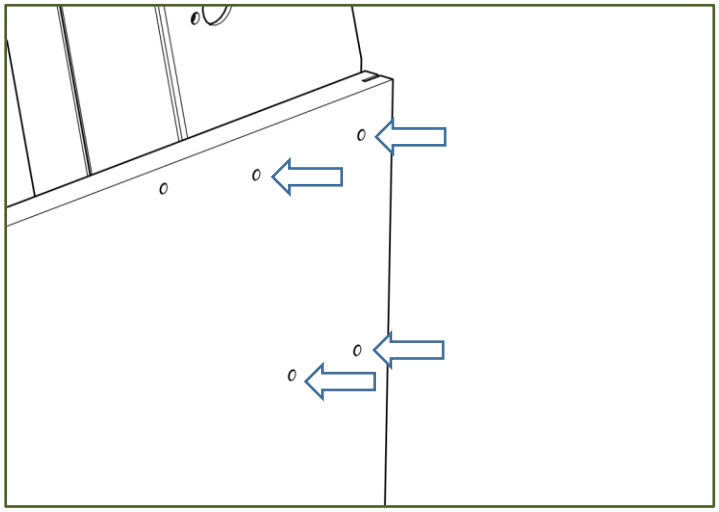
Mechanical Parts

1) Lift and straighten the screen assembly



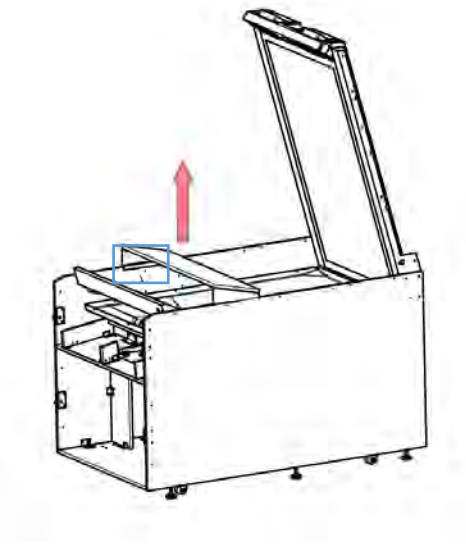
2) Secure the screen into a lifted position using #10-24 x 1¼ philipps bolts.
Repeat for the opposite side

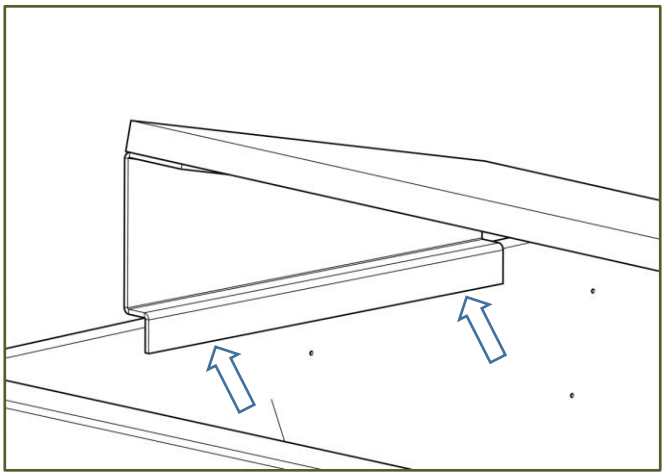




2x

3) Remove fasteners from the screen support and remove the support assembly
Repeat for the opposite side





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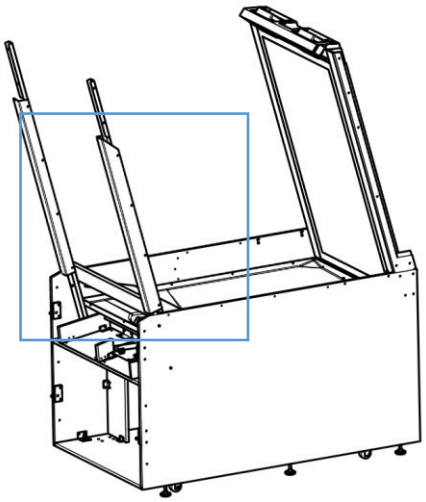
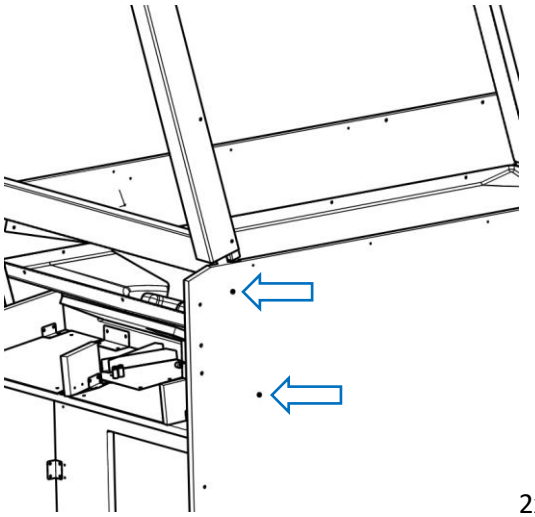
4) Install lateral posts and secure the window assembly with #10-24 x 1¼ philips bolts
Repeat for the opposite side





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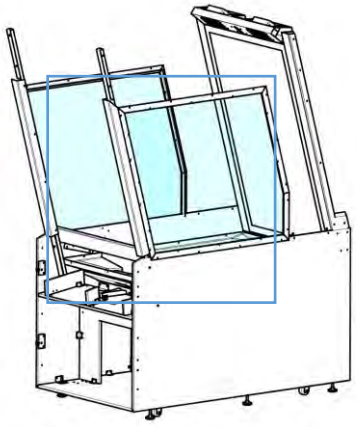
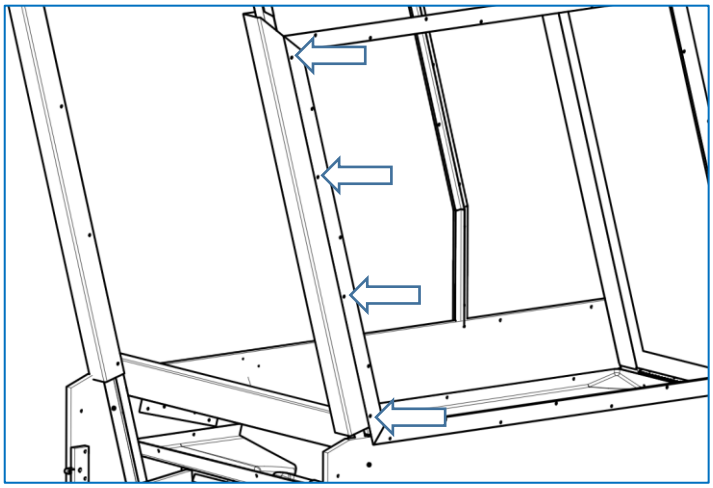
5) Install the window assembly using Philipps pan ¾-8 screws
Repeat for the opposite side





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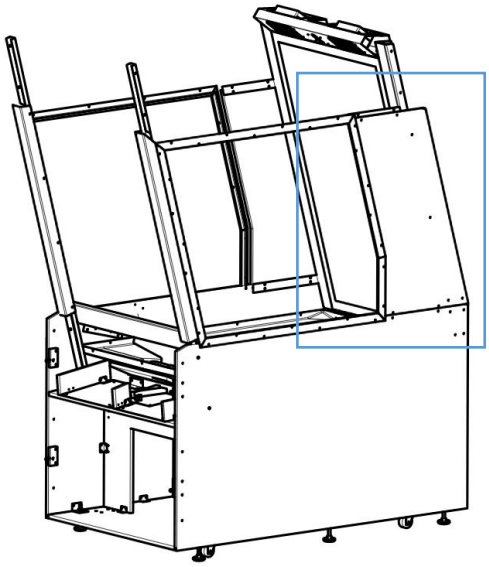
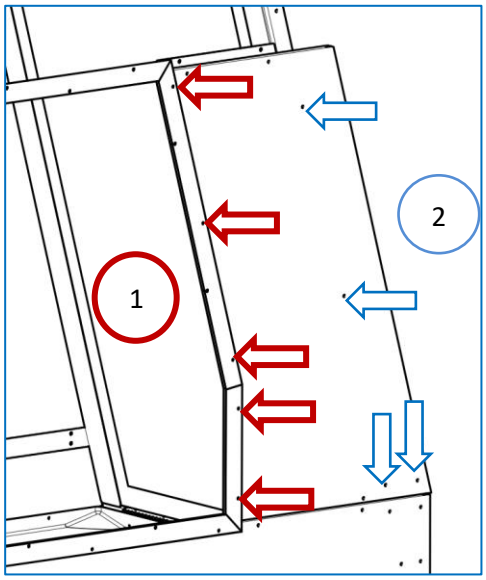
6) Install the side panels
1) First, install the bolts window assembly with Philipps pan #8 x ¾ screws
2) Then, install the screen assembly with Phillips pan 10-24 x 1¼ bolts
Repeat for the opposite side





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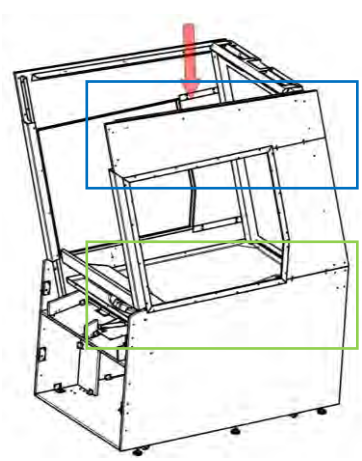
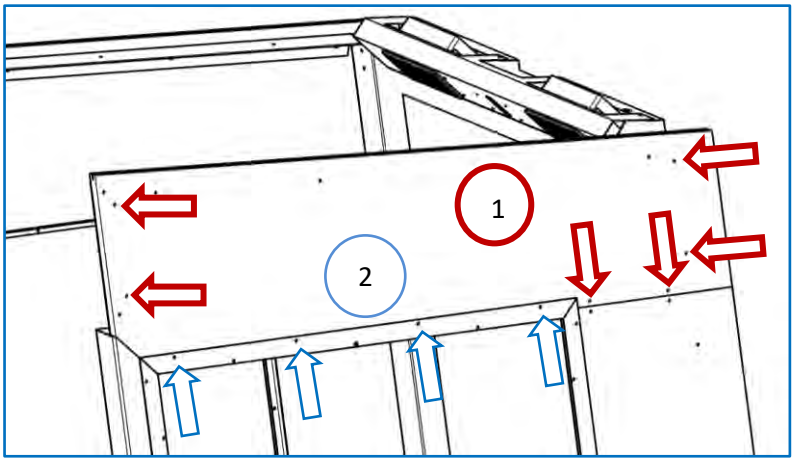
7) Install upper side panels

1) Secure the metal brackets with Philipps pan 10-24 x 1¼ bolts

2) secure the window assembly with Philipps pan #8-¾ screws.

Repeat for the opposite side





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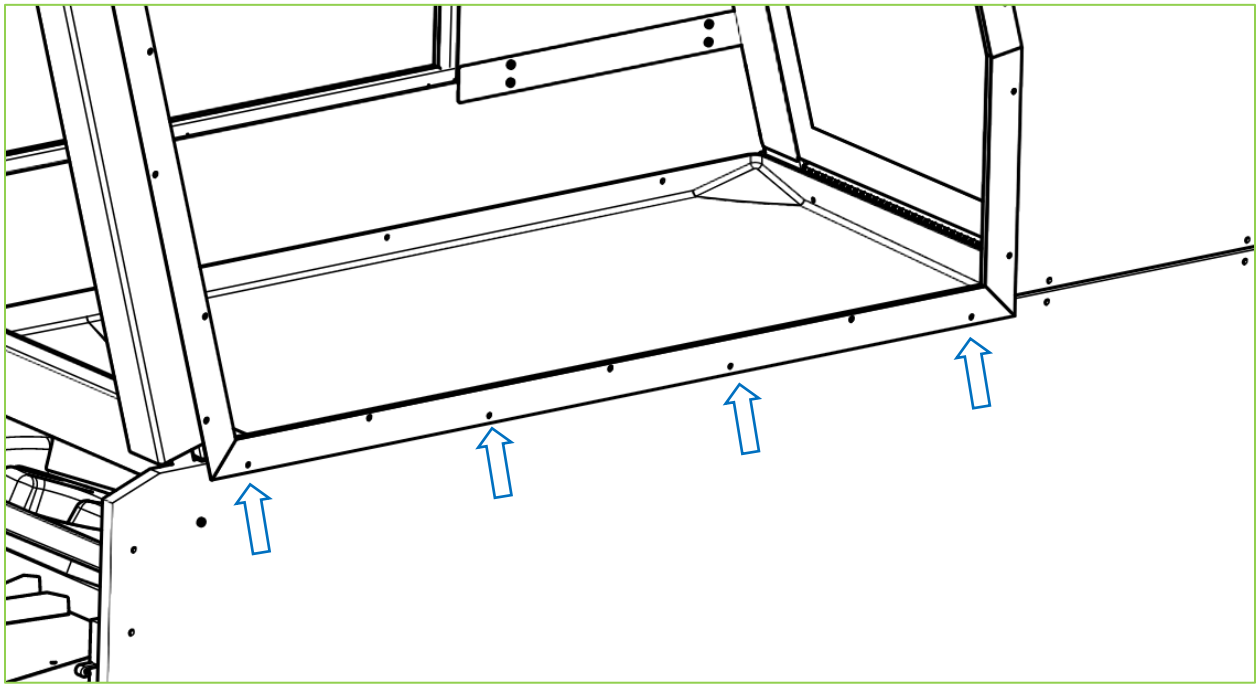
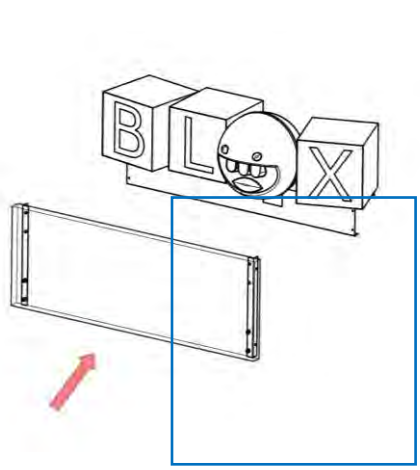
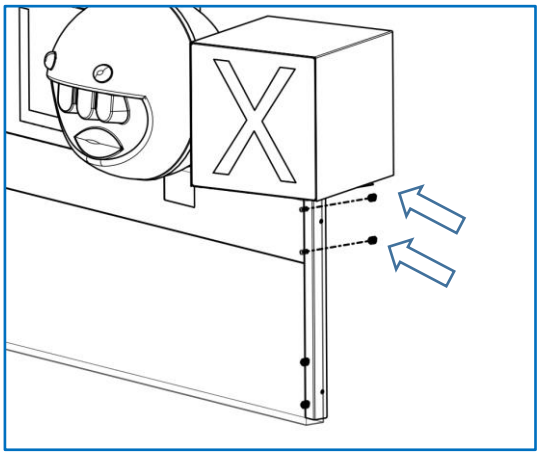
8) Install the lower bolts for the window assembly

Repeat for the opposite side.



9) Assemble the header assembly and top display using Philipps 10-24 x 1¼ bolts for each side





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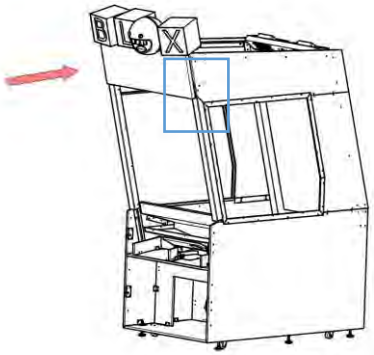
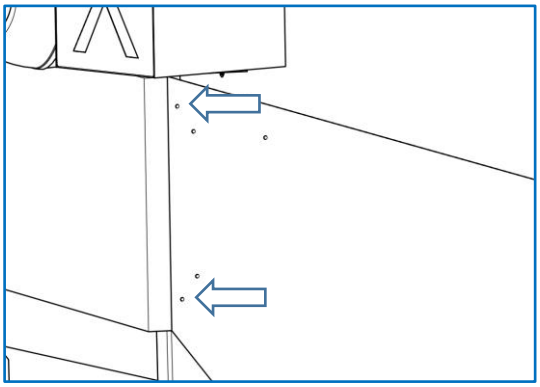
10) Install the header assembly with the upper side panels and Philipps 10-24 x 1¼ bolts
Repeat for the opposite side





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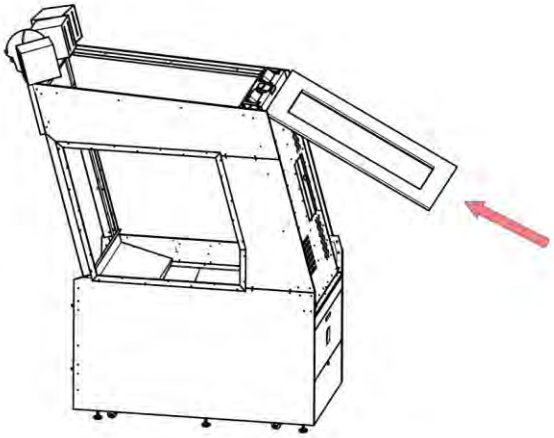
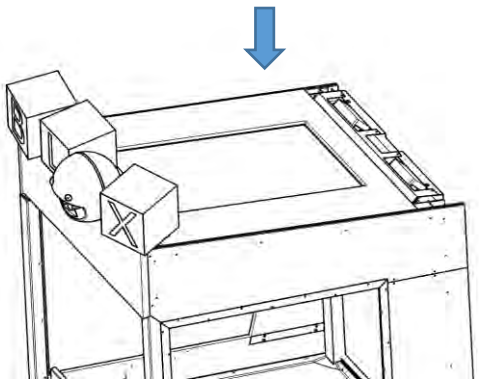
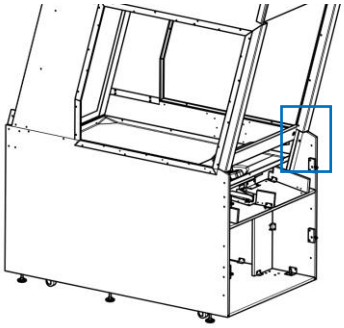
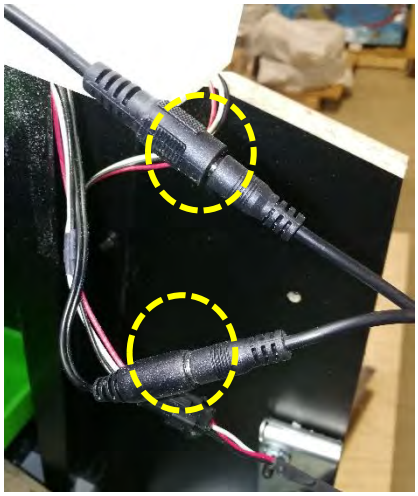
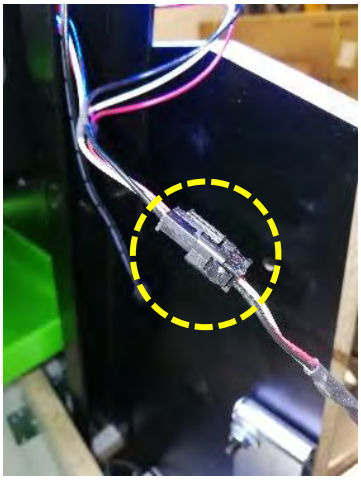
11) Install the ceiling light platform by sliding it from the back of the machine



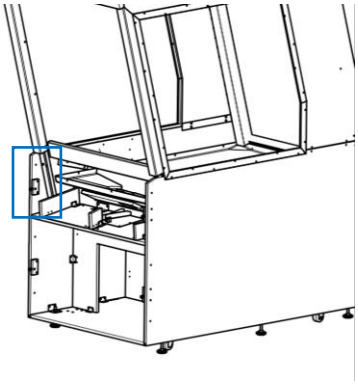
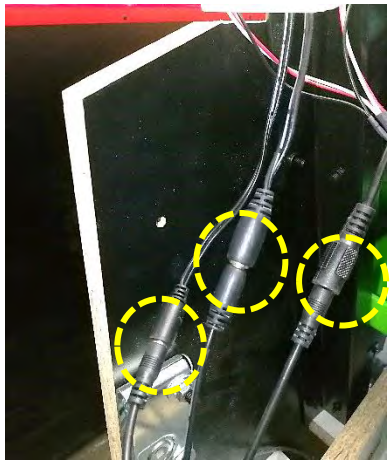
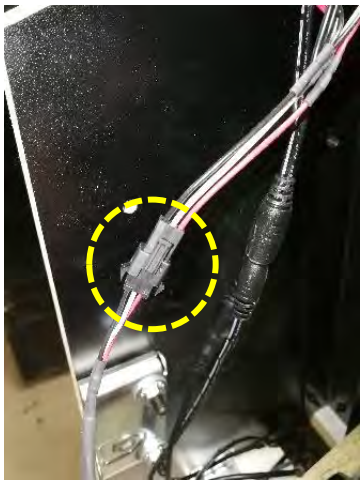


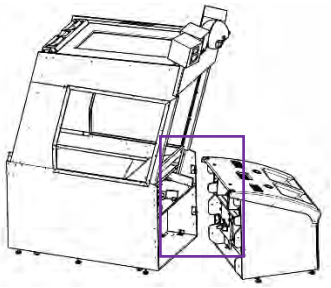
Electronic parts

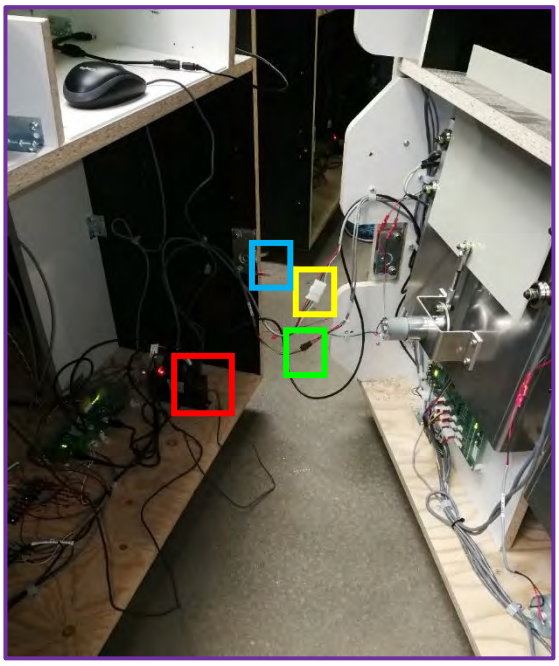
11) R/H: Plug the 2 power cables into their inputs and the LED Controllers together

12) L/H: Plug the 3 power cables into their inputs and the LED Controllers together





13) Connect the 2 ends of the speaker's connector

14) Connect the 2 ends of the ground wire connector

15) Connect the USB cable from the dash assembly to the USB hub in the rear cabinet

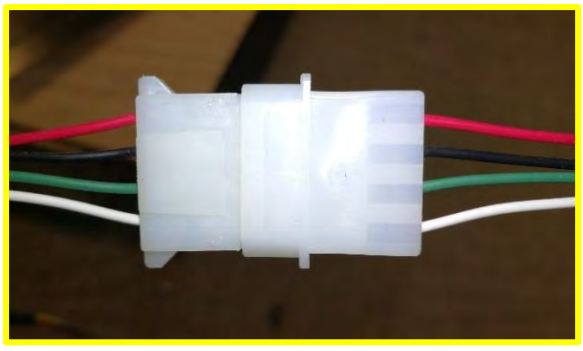
16) Connect the 2 Molex connectors

13)

14)

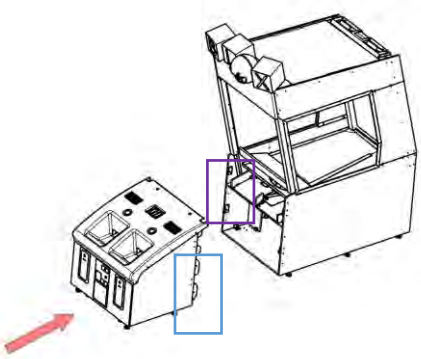
15)

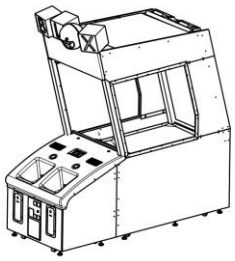
16)



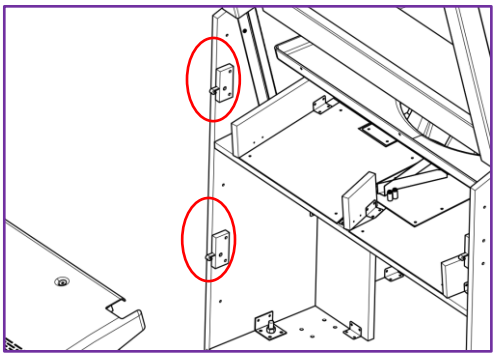
Closing and opening the cabinet

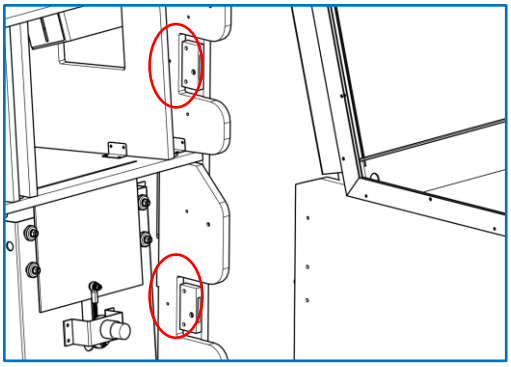
1) Make sure all 4 draw latches are aligned
2) Use the large Allen key to open or close the cabinet



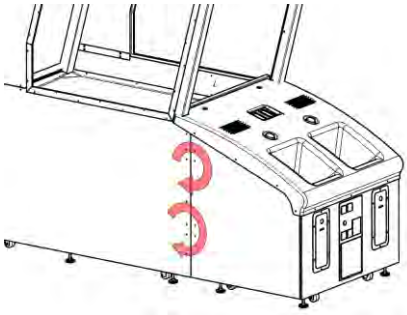


1) Draw latches to be aligned while assembling the two assemblies

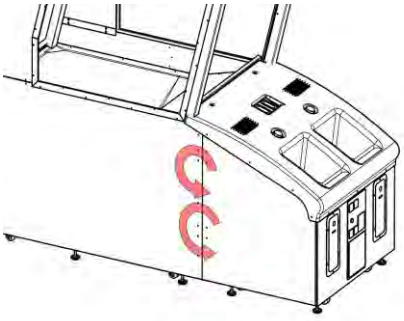




2) Turning motion for closing



Turning motion for opening



Chapter 05 – Operator Menu

Operator Menu

Access the Operator Menu by pressing the white operator menu button on inside the dash behind the middle door
Navigate through the menu using the 2 main dash buttons as shown on the screen capture below.

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.
Game Audio Volume	0-20	Adjusts the in-game audio volume. “0” will mute the game.
Music/SFX Attract Audio Volume	0-20	Adjusts the audio volume of the attract loop. “0” will mute the attract loop.
Voice Attract Audio Volume	0-20	Adjusts the volume of the voice attract loop. “0” will mute the voice
Payment Type	Credit / Card	Changes the credit type. “Credits” = Coins and “Card” = Card Reader. This will change the in-game text accordingly.
Credit Sharing 1_2	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.**
Payout Structure	1-10	Adjusts the ticket payout. Please see the payout structure on the next page.
Minimum Ticket	0-20	Adjusts the minimum number of tickets dispensed per play.
Ticket Value	1-2	Adjusts the value of physical tickets. Physical tickets are either worth “1” ticket or “2” tickets.
Bonus Value	100-2000	Number of tickets given by the machine when the jackpot block count is reached
New Jersey Settings	On/Off	If set to On, a message will be displayed if more than 40 credits are inserted.
Average Game Bonus	50-1000	Average number of games needed to win the bonus. This setting adjusts the difficulty and is calculated with the last 1000 games.
Add Random Bomb and Timer	On/Off	Timer: Adds extra time when hit by a ball Bomb: Destroys the surrounding blocks when hit by a ball
Jackpot Default Block Count	25-50	Number of broken blocks needed to win the jackpot. This number is then auto adjusted by the “average game bonus”
Clear Credits		Resets the Inserted credits to 0 if more than 40 credits are entered.
Game Stats		Shows the Stats Screen.
Error Logs		Displays the previous errors
Resume Game		Exits the Operator Menu and returns to the game.
Quit Game		Exits the game and returns to the Windows desktop.

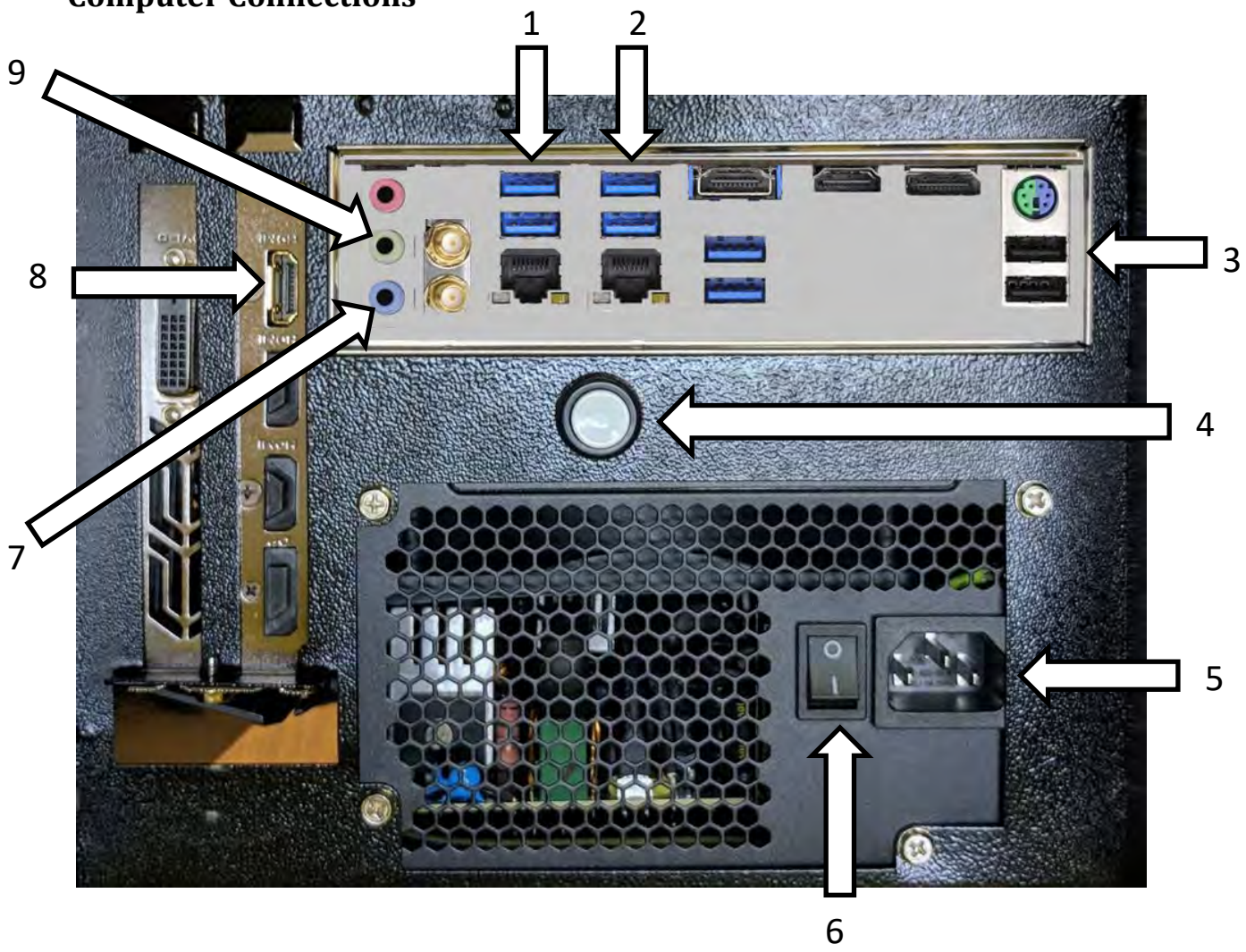
Payout Structure

Tickets are awarded to the player depending on the number of blocs that they successfully break. There are 10 different payout structures. They can be selected in the operator menu.

Number of Broken Blocks	**Payout Structure Setting 1**	**Payout Structure Setting 2**	**Payout Structure Setting 3**	**Payout Structure Setting 4**	**Payout Structure Setting 5**
5-6 blocks	2	2	5	10	10
7-10 blocks	3	5	10	15	15
11-18 blocks	5	10	15	20	20
19-22 blocks	10	15	20	25	40
23- Jackpot	15	40	50	80	90
Jackpot (25-50)	Bonus Value				
Number of Broken Blocks	**Payout Structure Setting 6**	**Payout Structure Setting 7**	**Payout Structure Setting 8**	**Payout Structure Setting 9**	**Payout Structure Setting 10**
5-6 blocks	10	15	15	25	30
7-10 blocks	20	25	25	30	40
11-18 blocks	30	30	40	50	80
19-22 blocks	50	75	75	100	100
23- Jackpot	100	100	150	175	200
Jackpot (25-50)	Bonus Value				

Chapter 06 – Service & Repair

Computer Connections



No.	Description
1	USB Port to Windows License Dongle
2	USB Port to Camera
3	USB Port to USB Hub Inlet
4	Power Button
5	AC Inlet Power Supply
6	AC Power Switch
7	Blue Audio Jack 3.5 mm for Top Speakers
8	HDMI port to monitor
9	Green Audio Jack 3.5 mm for Dash Speakers

Troubleshooting

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

Video Troubleshooting	
No Picture or Display Problem	There might have loose or faulty connections between the monitor and the computer. Make sure the HDMI cable is connected properly in the computer connector and in the monitor connector.
	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.

RGB Led Troubleshooting

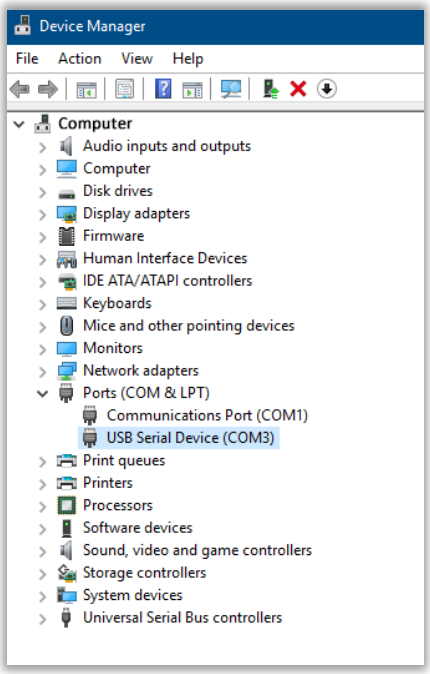
If the RGB LEDs are not working properly verify that the RGB LED Controller is connected on a valid COM Port.

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

Connect a USB mouse.

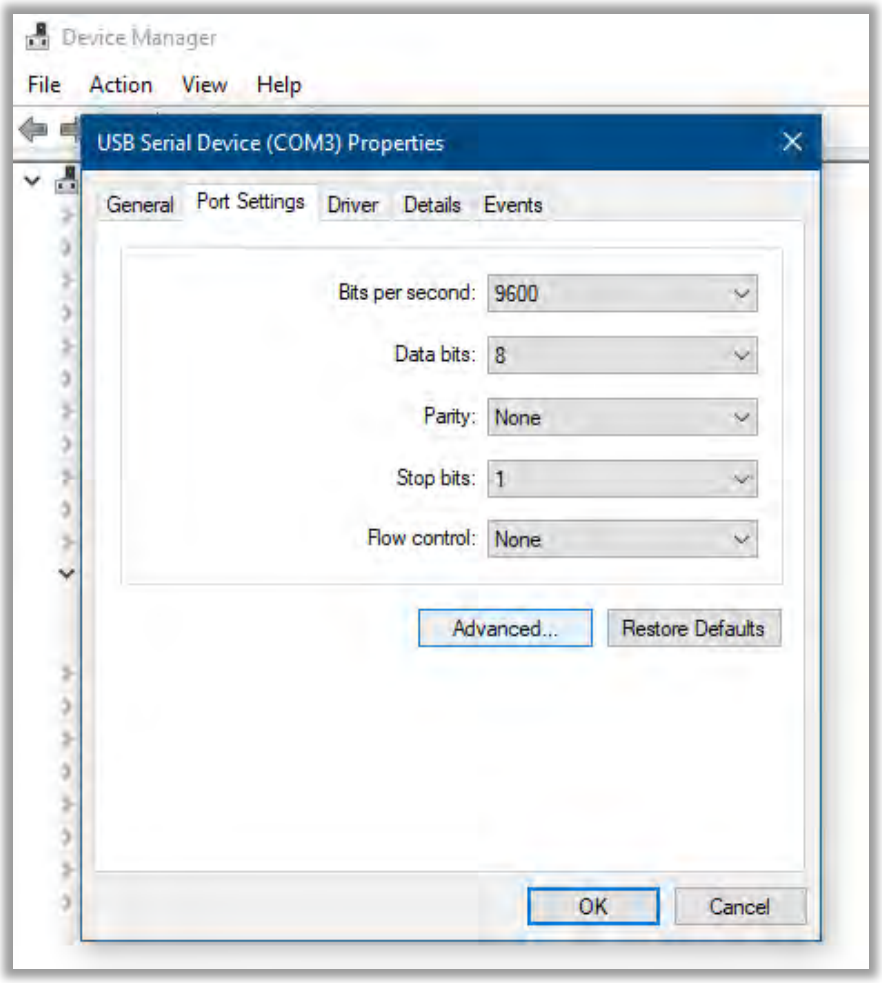
Right-click on the windows flag on the bottom left corner and select Device Manager.

Expand the “Ports (COM & LPT)” line by clicking on the >.

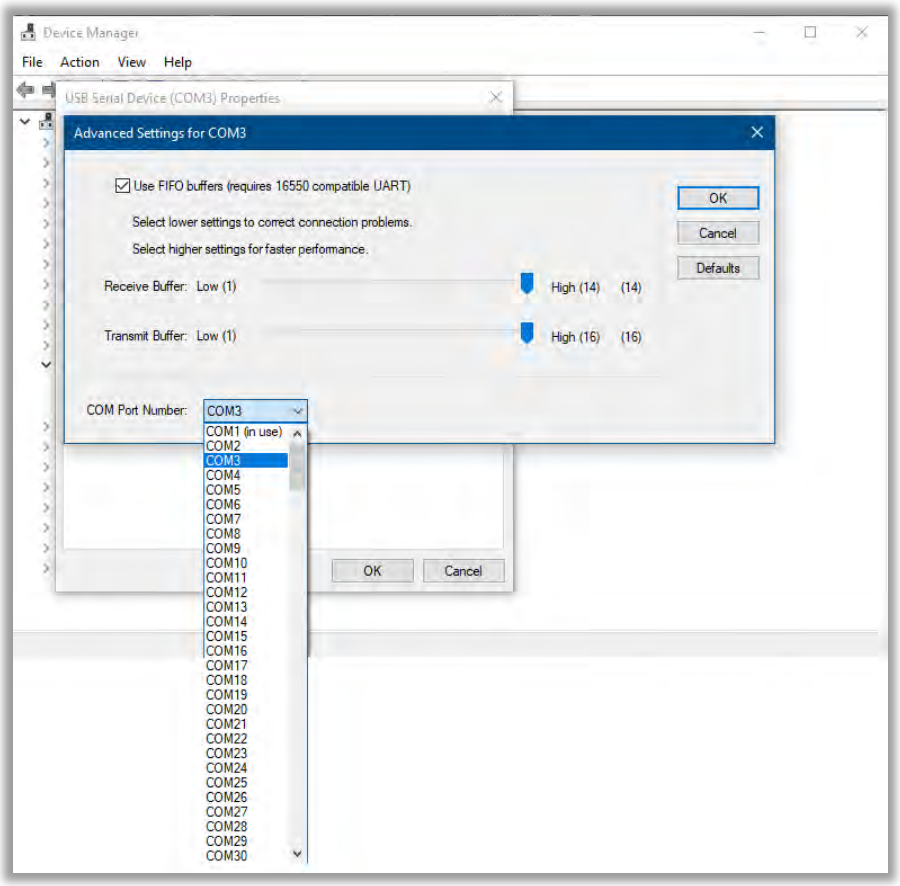


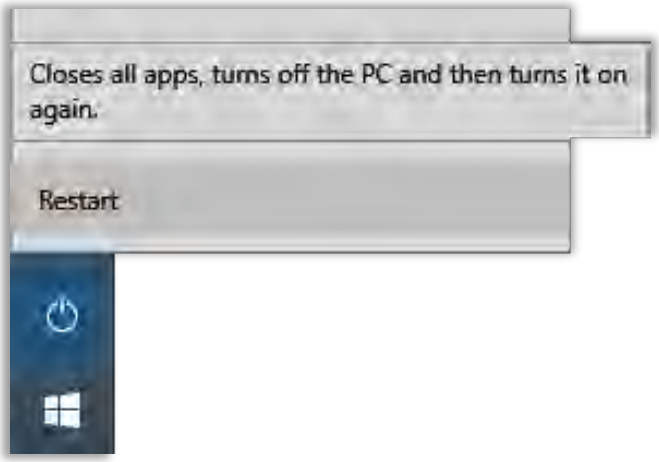
Verify that the “USB Serial Device” is set between COM2 to COM9.

If it's outside this range, double-click on it to open its properties.
Select the "Port Settings" Tab.
Click on "Advanced…"



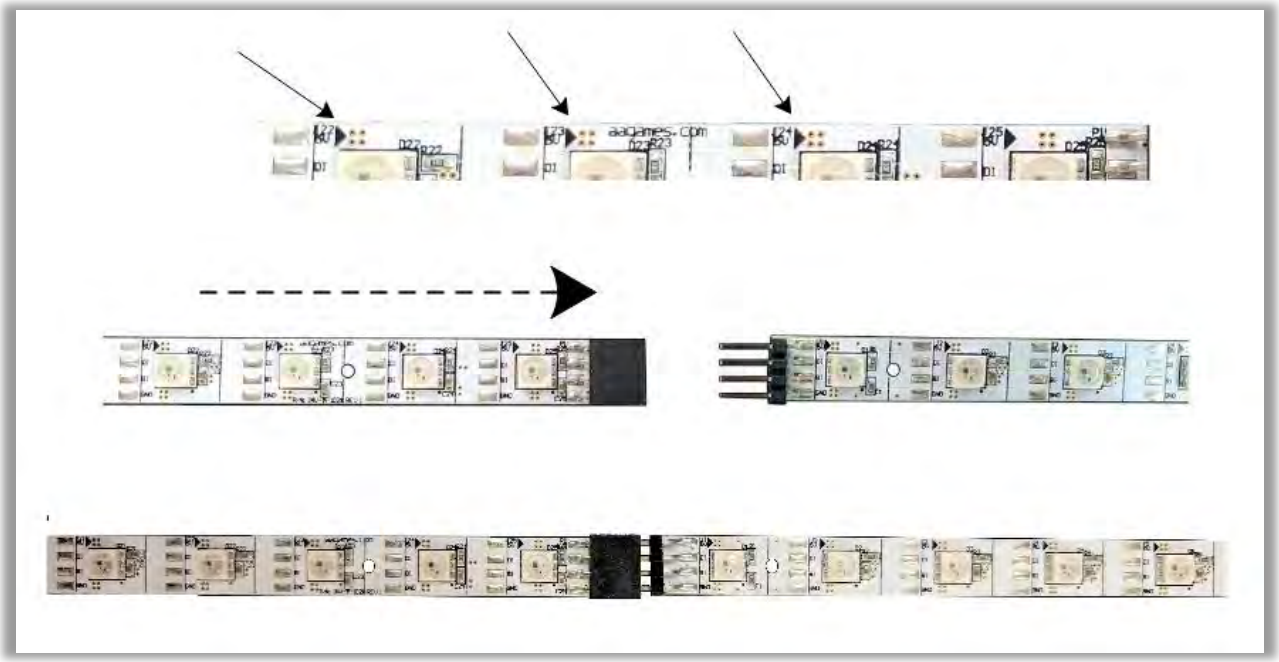
Click on the COM Port Number scrolling menu and select COM9.
Click on OK.
Click on OK again.
Close the Device Manager window and restart Windows.





Replacing RGB LED PCBs

If you need to replace the building RGB LED PCBs, verify the connections so that the arrows point always in the same direction.



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!

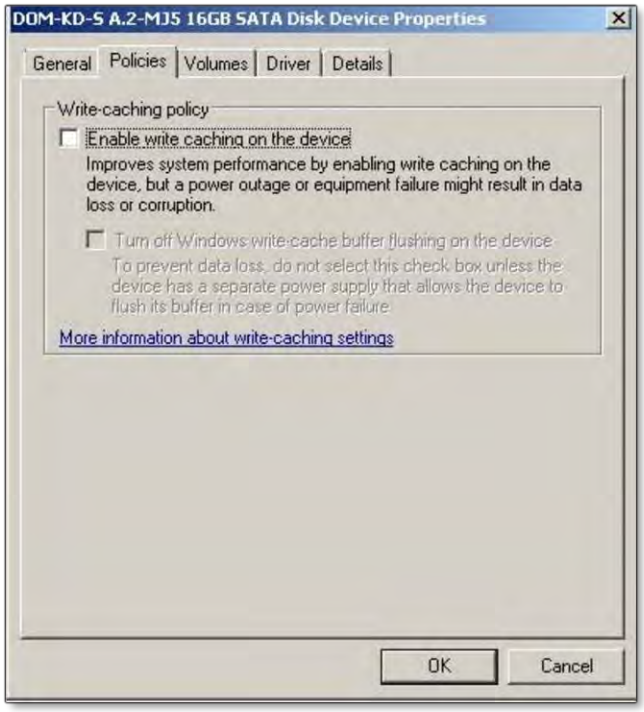
*If you do not connect your unit to the Internet, you can double-click the Disable_Network shortcut on the Windows desktop to bypass the 150seconds Internet lookup delay.

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 (Not the USB drive 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.



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 DEL on the keyboard until you see the Bios screen.

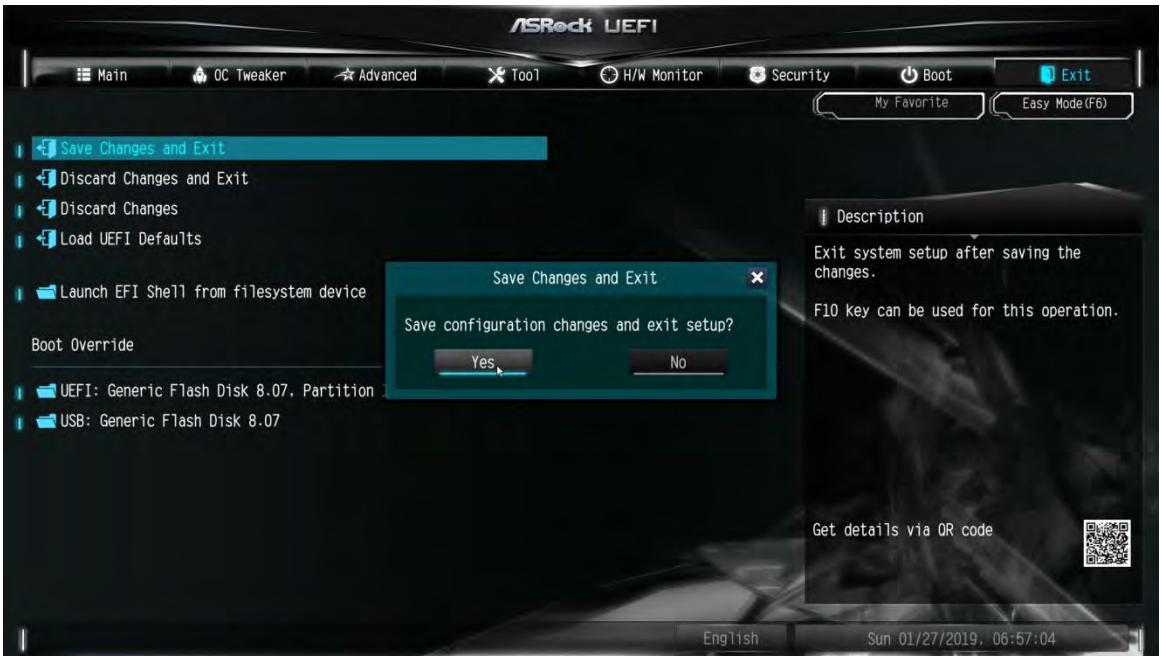
-Press on F6 or using a mouse click on advanced on the top right corner.

-Click on Advanced tab and then click on Chipset Configuration.

-Go to the bottom of that page, click/select the line Restore AC Power Loss , click on the drop box where it displays “Power Off” and select Power On.

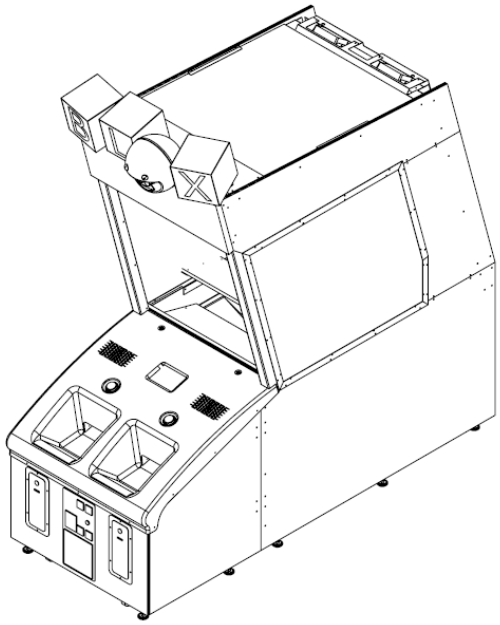
-On your keyboard press on

and then click on OK to confirm and save the settings.
Or go to the Exit tab, click save and Exit.



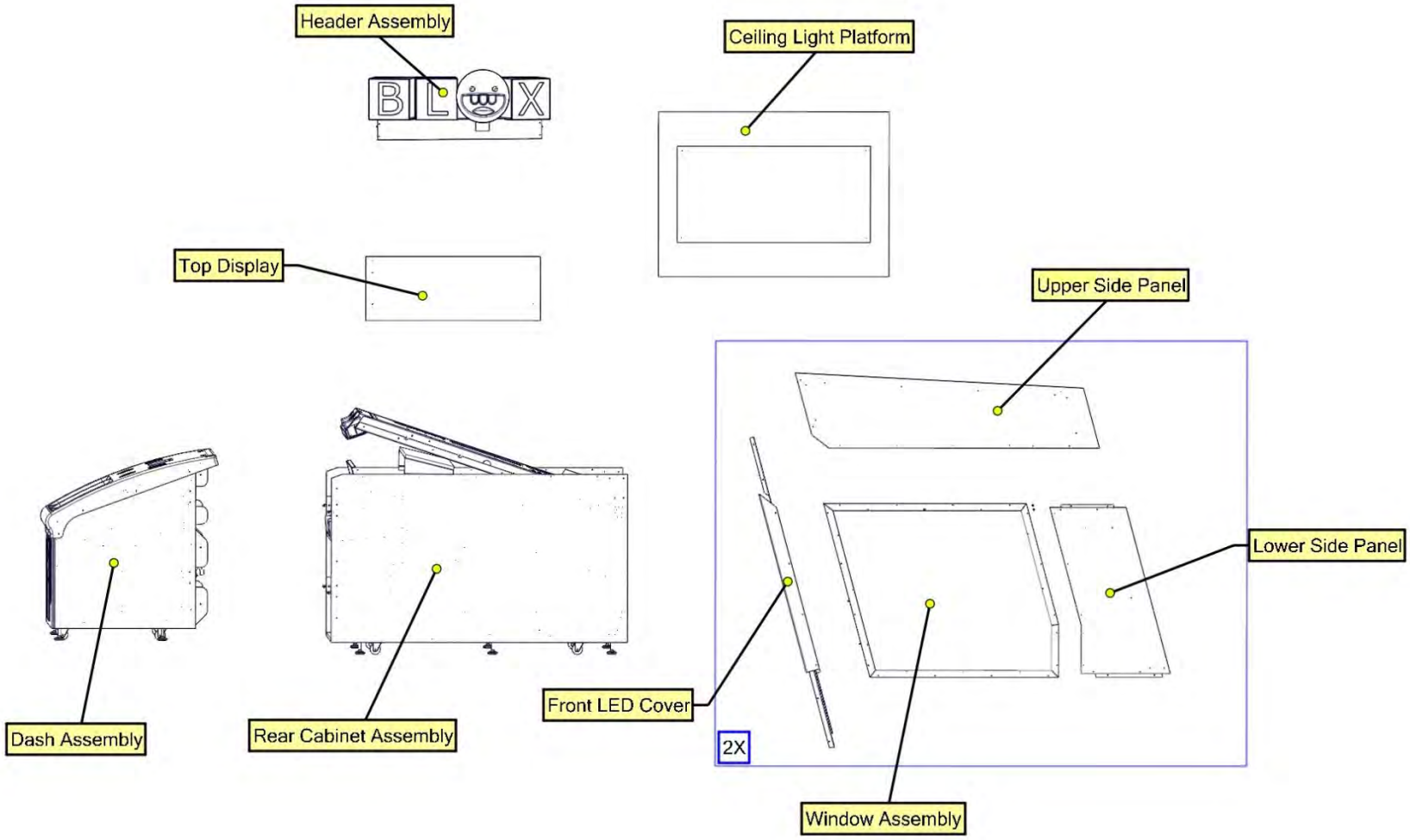
Chapter 07 - Parts

Cabinet Parts



Part Description	Part #
Dash Assembly	BLX-02-0002
Rear Cabinet Assembly	BLX-02-2000
Front LED Cover	BLX-08-1005
Window Assembly	BLX-08-1002
Lower Joint	BLX-01-1043
Screen Support	BLX-01-1005
Lower Side Panel	BLX-02-8000-01
Upper Joint	BLX-01-1042
Upper Side Panel	BLX-02-8000-02
Ceiling Light Platform	BLX-02-1010
Header Assembly	BLX-01-4000
Top Display	BLX-08-5000

Major Structural Parts



Other Cabinet Parts

Part Description	Part #
Monitor 65” with Safety Glass and Cases	RAM-10-0001
Coin Door Assembly with 2 Upper Mech Holder & Blank Bottom Door	ADR-40-3000-06
7-Digits Meter with bracket	ADR-42-08012-072
Speakers 4”	ADR-50-9986-00
Red Large Button with microswitch /LED	ADR-75-L012-600
Yellow Large Button with microswitch /LED	ADR-75-L012-155
Wheel General Duty Rubber Caster	INV-F25083
Leveling Mount	INV-62805K-39
Fan 120mm	ADR-FAN-120mm
Fan 80mm	ADR-FAN-80MM-01
Grill 120mm	ADR-GRILLE-120MM
Grille, 80mm	ADR-GRILLE-80MM
Multi-Stage Filter 6A	ADR-817-1321-ND
Male R2/R5 Concealed Butt-Joint Panel Fastening Latches, Part : R5-0074-07	INV-R5-0074-07
Female R2/R5 Concealed Butt-Joint Panel Fastening Latches, Part : R5-0079-07	INV-R5-0079-07
Door Assembly With 2 Upper Mech Holder, 1 Validator Cut Out, Blank Bottom Door	ADR-40-3000-06
Cam Lock for Panel Thickness up to 23 mm	ADR-14-2010

Computer & Electronics

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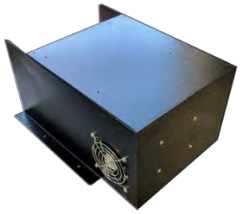
7) 

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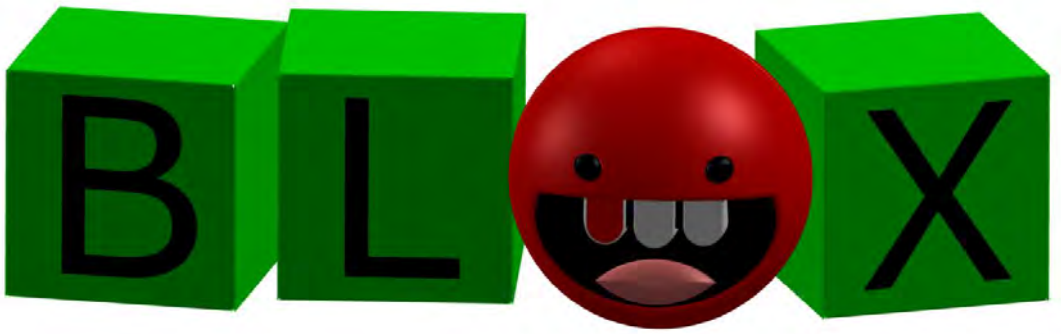
Ref	Part Description	Part Number
1	Power Bar IEC5GLM	INV-05-1242
2	I/O Board – 4 Players/Motors – Ver. 5.0	ADR-04-1003-BLX
3	2X15 Watt Class D Audio Amplifier Board	INV-14-0005
4	+12V / 5A Power Supply for Sound Amplifiers	INV-14-0006
5	+5V/300W Power Supply	SF-14-0010
	+12V/320W Power Supply	INV-05-1248
6	RGB LEDs Controller	INV-14-1030
7	PC Box For Blox Breaker	ADR-11-1018
8	7-Ports USB Hub Powered	INV-11-1021
9	Restore Usb Key Blox Breaker, 16 Go, 3.0.	ADR-11-2013-BLX
	Terminal Cover For Power Supply RSP-320-5 And RSP-320-12	ADR-TBC-09
	Yellow Dongle	TF-04-1212
	Hard Drive For Blox Breaker	INV-11-1027-BLX
	Green Terminal Block, 4 Positions, Part : ED1719-ND	ADR-ED1719-ND
	Yellow Large Round Button with Led White Lamp	ADR-75-L012-155
	Red Large Round Button with Led White Lamp	ADR-75-L012-600
	Entropy 2000 Ticket Dispenser	ADR-42-1337-00
	Kit For Motor 12V and Harness Assembly	INV-15-0005-Kit

Header & LEDs



Part Description	Part Number
Header 'Breaker' Kit, Blox Breaker	BLX-08-5000-Kit
PCB Assembly with 6x LEDs, include WS2813A, Modify For Blox Breaker	INV-14-1028-03
PCB Assembly with LEDs For Corner, include WS2813A, Crazy Tower	INV-14-1028
Orange LED Strip, 1 Meter, 6mm, Blox Breaker, Part : YGL-LB5730OC-12V	BLX-14-0001
White LEDs Cable For Cubes And Sphere, Blox Breaker, Part : RL-3528D120W08-12V	BLX-14-0002
White LEDs Cable For 'Breaker' Header, Blox Breaker, Part : RL-3528D129W08-12V	BLX-14-0003
LED Controller RGB	INV-14-1030
Front Right LED Polycarbonate Cover, Blox Breaker, Part : BLX-08-1005-R	BLX-08-1005-R

Cabling

Part Description	Part Number
Straight Barrel Power Cable, 2.1mm, 6', 18AWG	ADR-839-1163-ND
Power Cord, IEC-C14 to IEC-C7 (2-Prong) SPT-2, 18AWG, 3'	INV-PW-117-03
Molded Audio Cable, 3.5mm Male To 2x RCA Male, 6'	INV-35MM-RCAE-06
HDMI Cable, 8'	INV-HDMI-140-08K
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',TFX	INV-PW-100-08
Power Cord, Wall To Unit, 14AWG, 6'	INV-PW-105C-06
Cable Power Splitter, C14 to 2x C13, 1'	INV-PW-200B-01
Cable USB 3.1, Type C Male To A Male	INV-USB-323-10
Cable Usb 2.0 'AB', 2'	INV-USB-AB1-02BK
Cable Usb 2.0 'AB', White, 3'	INV-USB-AB1-03
Cable Usb 2.0 'AB', Black, 10', TFX	INV-USB-AB1-10BK
Barrel Power Cable, Male-Female, 4', Blox Breaker	BLX-03-0023
Main Power Cable, Blox Breaker	BLX-03-0027

Misc. Parts

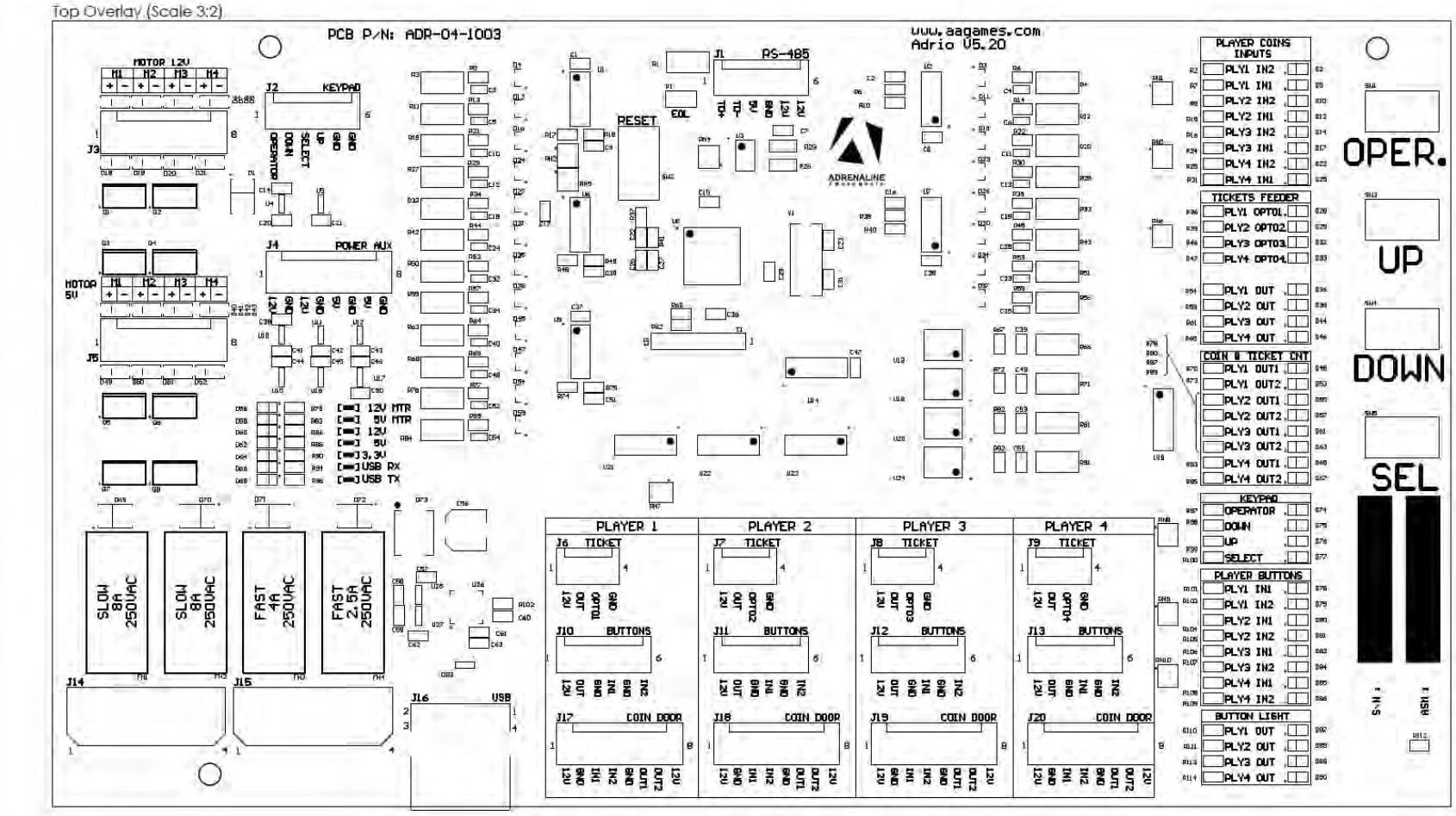
Part Description	Part Number
Power Entry EMI Filter	ADR-05-1241
Windows 10 Licence, Part : 6EU-00035	ADR-6EU-00035
Red Ball, Blox Breaker	BLX-05-0001
Yellow Ball, Blox Breaker	BLX-05-0002
Intel Depth Camera, Blox Breaker	BLX-10-0001-PROG
PCB For Step Motor Drive, Blox Breaker	BLX-04-0002
PCB For Color Sensor, Blox Breaker	BLX-04-0003
PCB For 2 Digits Display, Blox Breaker	BLX-04-0004

Wiring Harness

Part Description	Part Number
Connector For LEDs Spinner, Part : S1143E-04-ND	SF-05-0014
Barrel Connector Wire ''Y'', 2.1mm Female to 2 x 2.1mm Male, 300mm, LED Header, Fruit Ninja Part : CN-DCF-2M	TF-05-1223
Harness IO Board To Buttons	BLX-03-0001
Harness Controller RGB To LED RGB	BLX-03-0002
Harness Power Supply 5V To Fuse Holder	BLX-03-0003
Harness Power Supply 12V To Fuse Holder	BLX-03-0004
Harness Fuse Holder To Power Controller LEDs	BLX-03-0005
Harness Fuse Holder To PCB Drive	BLX-03-0006
Harness For Power Motor 12V	INV-15-0005-Mod
Harness Pc Box Power To Front Cabinet	BLX-03-0008
Harness IO Board To Motor Sensor	BLX-03-0010
Harness For Monitor Speakers	BLX-03-0011
Harness For Audio Ampli To Front Cabinet	BLX-03-0012
Harness For Front Speaker To Rear Cabinet	BLX-03-0013
Harness For PSU Power	BLX-03-0014
Harness For IO Board To Digit Display	BLX-03-0015
Harness For IO Board Power To Rear Cabinet	BLX-03-0016
Harness For Header To Fuse Holder	BLX-03-0017
Harness For Power Audio Ampli	BLX-03-0018
Harness For Fuse Holder To Orange LEDs	BLX-03-0019
Harness For Solenoid To Motor Drive	BLX-03-0020
Harness For Stepper Motor To Motor Drive	BLX-03-0021
Harness For RGB Splitter	BLX-03-0022
Harness For Coin MEC	BLX-03-0024
Harness For Operator Menu	BLX-03-0025
Harness Ground For Front Cabinet	BLX-03-0026
Harness For Color Sensor To Drive	BLX-03-0028
Harness For Ticket Dispenser, (J2)&(J6)	FT-03-4030
Harness For PC Box	INV-03-4080

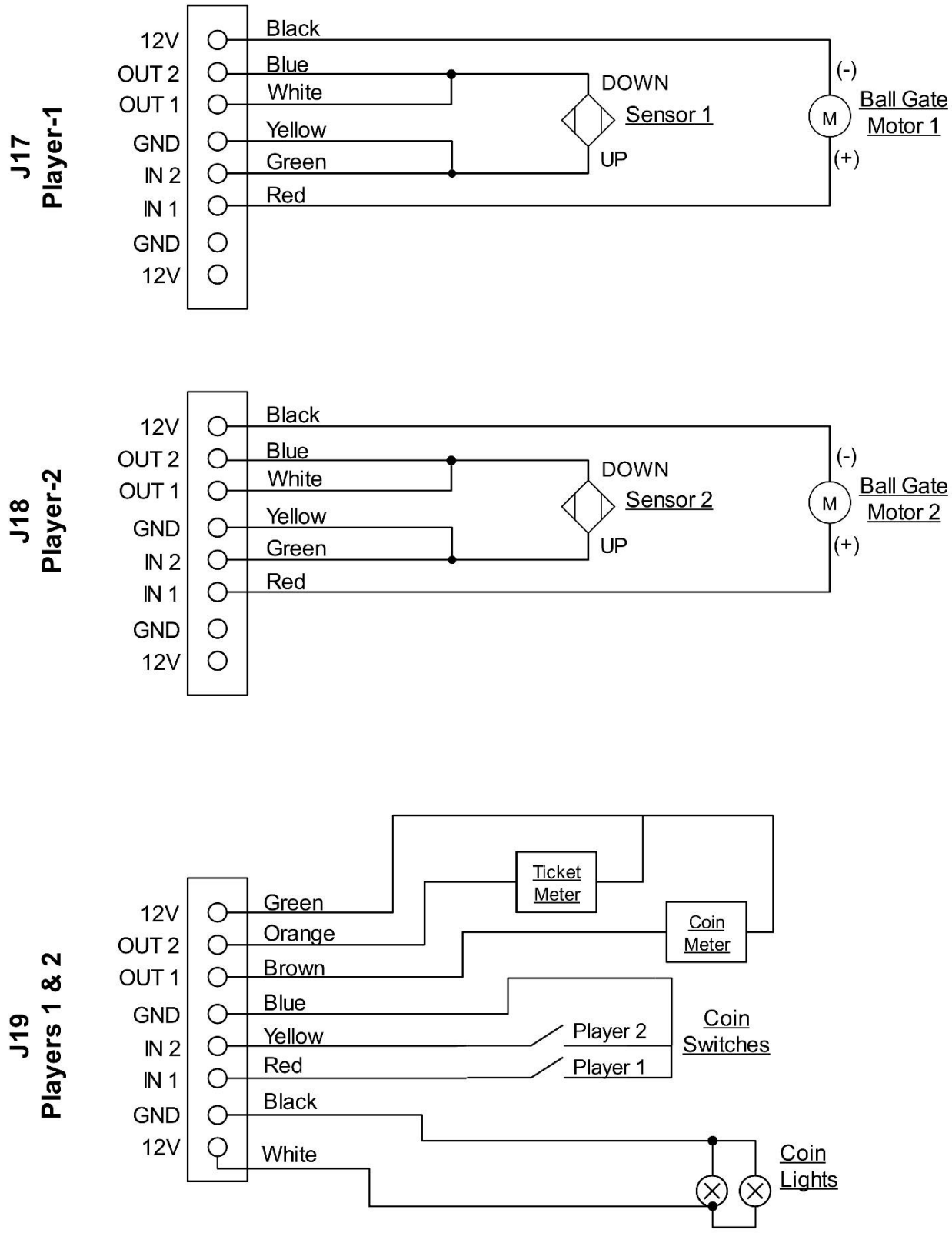
Chapter 08 – Diagrams & Schematics

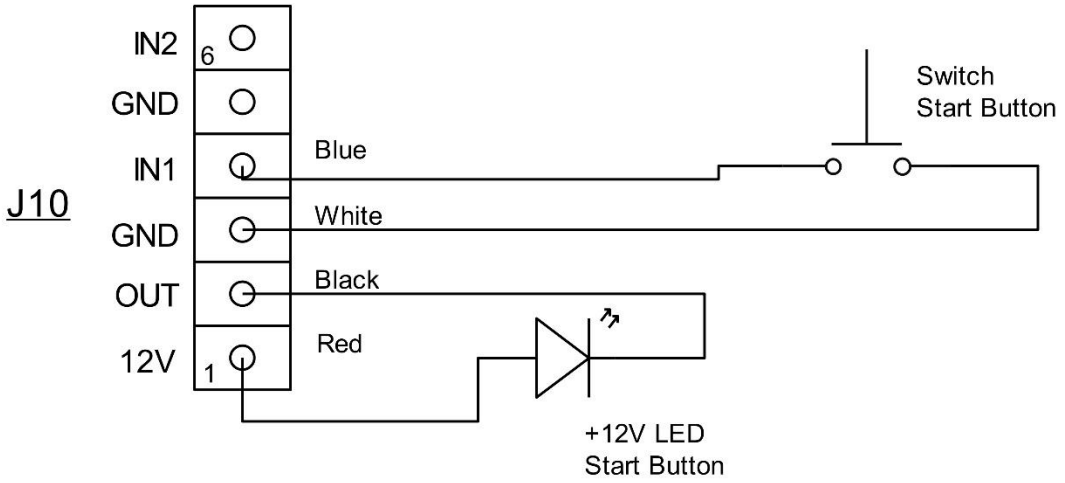
I/0 Board ADR-04-1003



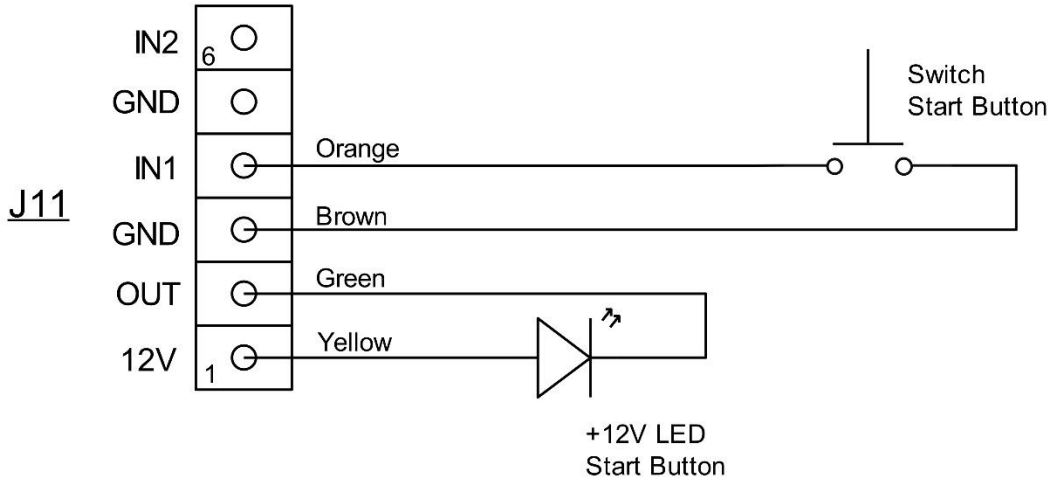
J1	J2	J3	J4
Display 1. (White) TD+ 2. (Blue) TD- 3. (Red) 5V 4. (Black) GND 5. (Yellow) 12V 6. Not connected	Keypad 1. (Red) Operator 2. Not Connected 3. Not Connected 4. Not Connected 5. Not Connected 6. (Black) GND	No Use	No Use
J5	**J6**	**J7**	**J8**
No Use	Ticket Dispenser Player 1 1. (Red) +12V 2. (Blue) OUT 3. (Green) OPTO1 4. (Brown) GND	Ticket Dispenser Player 2 1. (White) +12V 2. (Yellow) OUT 3. (Orange) OPTO1 4. (Black) GND	No Use
J9	**J10**	**J11**	**J12**
No Use	Player 1- Buttons 1. (Red) +12V 2. (Black) OUT 3. (White) GND 4. (Blue) IN1 5. Not Connected 6. Not Connected	Player 2- Buttons 1. (Yellow) +12V 2. (Green) OUT 3. (Brown) GND 4. (Orange) IN1 5. Not Connected 6. Not Connected	No Use
J13	**J14**	**J15**	**J16**
No Use	No Use	5V/12V Input DC 1. (White) +12V 1. (Green) GND 2. (Black) GND 3. (Red) +5V	USB To Computer
J17	**J18**	**J19**	**J20**
Coin Door Player-1 1. (Red) +12V 2. (Green) GND 3. (Yellow) IN1 4. (White) IN2 5. (Blue) GND 6. (Black) OUT1 7. Not Connected 8. Not Connected	Coin Door Player-2 1. (Red) +12V 2. (Green) GND 3. (Yellow) IN1 4. (White) IN2 5. (Blue) GND 6. (Black) OUT1 7. Not Connected 8. Not Connected	Coin Door Player-3 1. (White) +12V 2. (Black) GND 3. (Red) IN1 4. (Yellow) IN2 5. (Blue) GND 6. (Brown) OUT1 7. (Orange) OUT2 8. (Green) +12V	No Use

I/O Board – Detailed Wiring



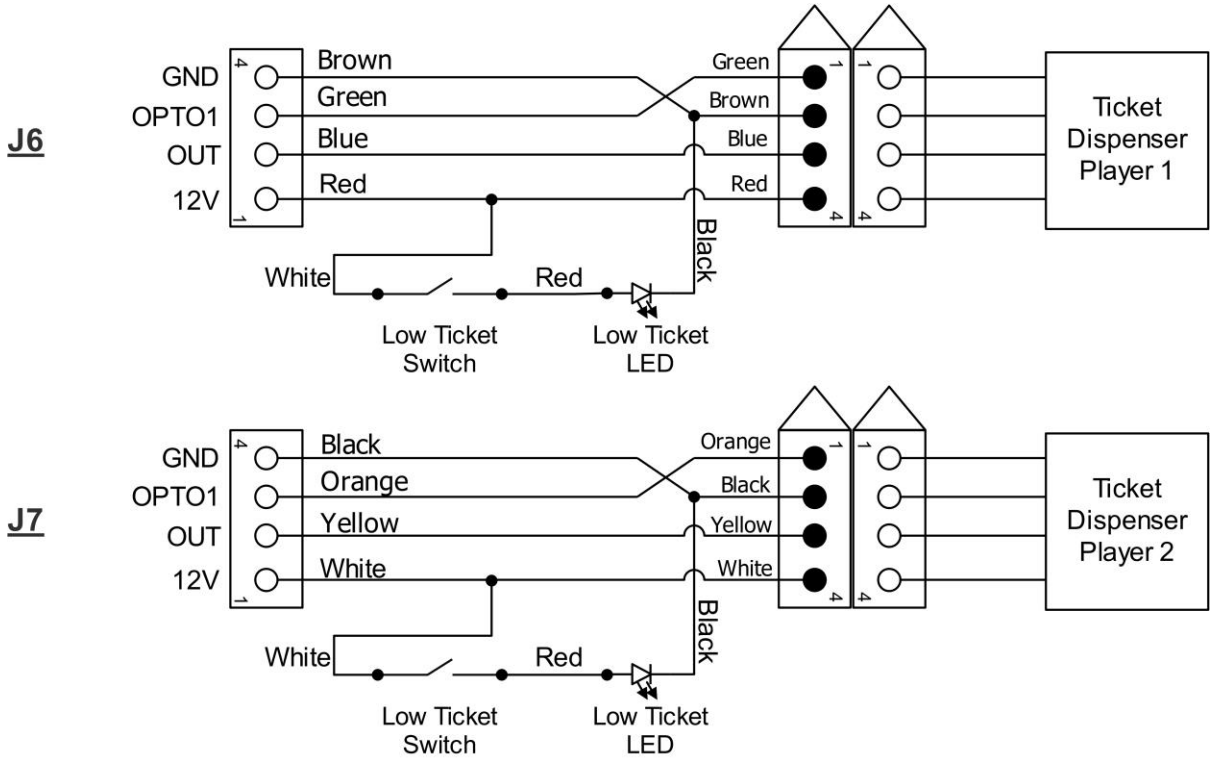


Player 1

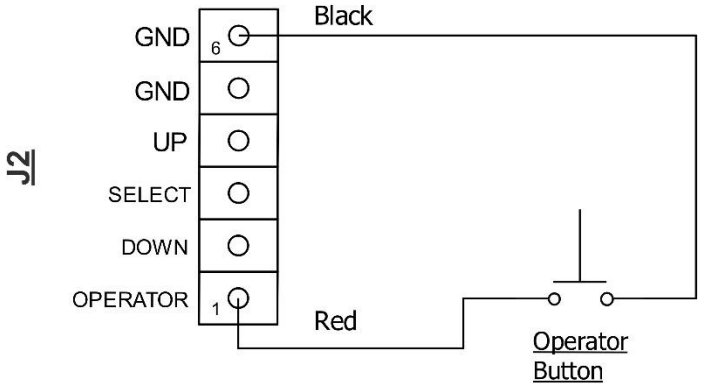


Player 2

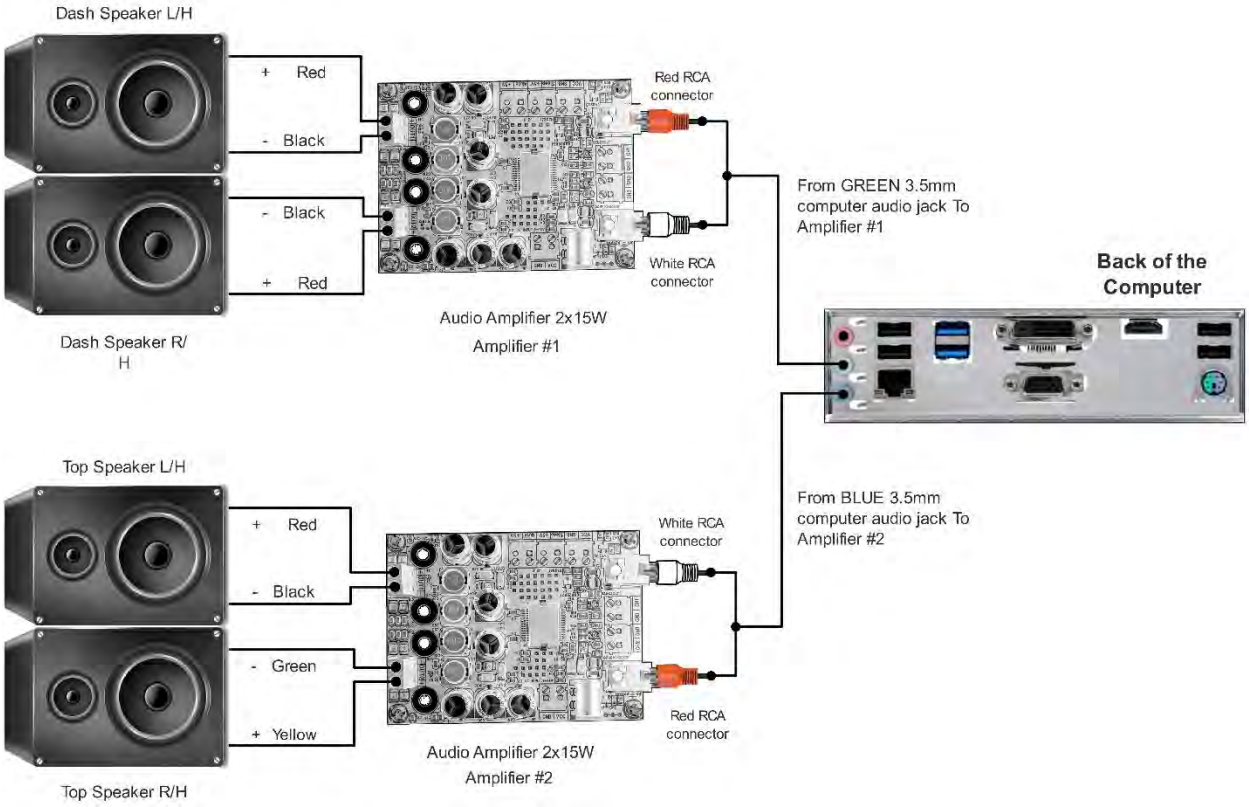
Tickets Wiring

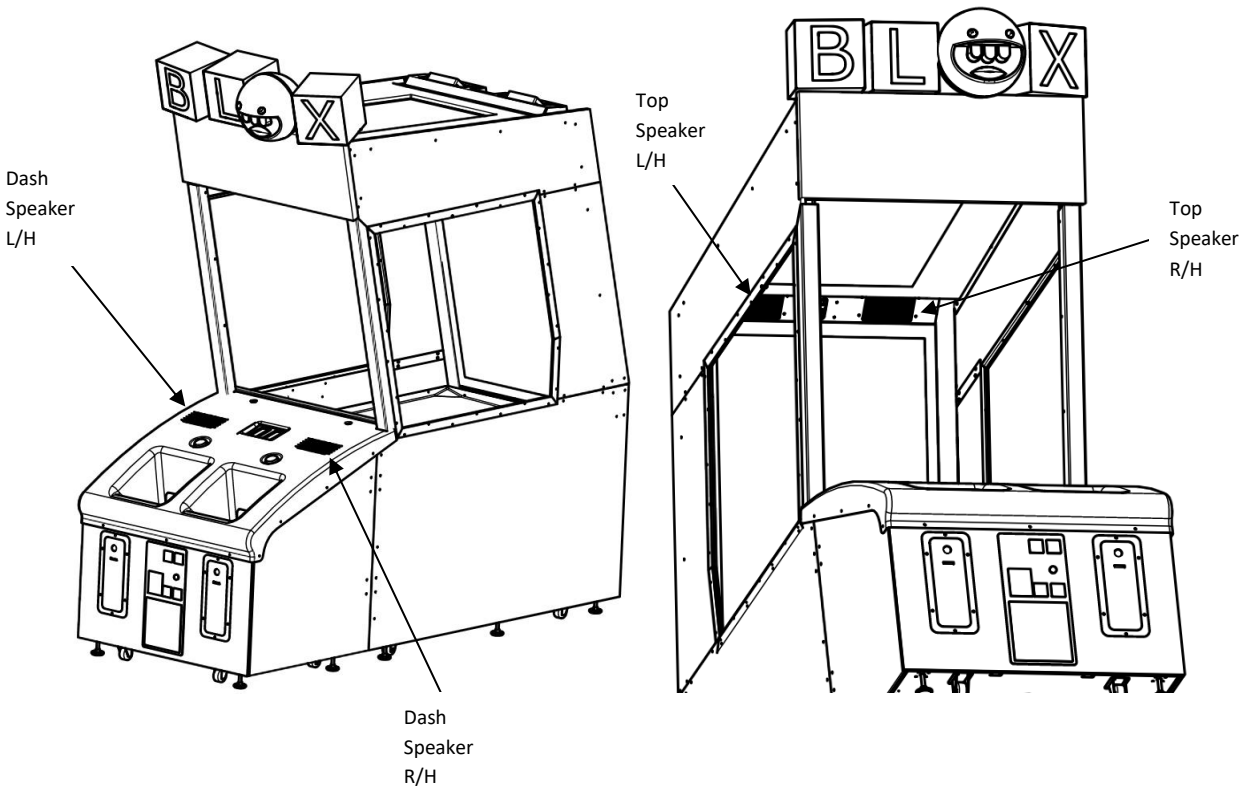


Operator Menu Button Wiring

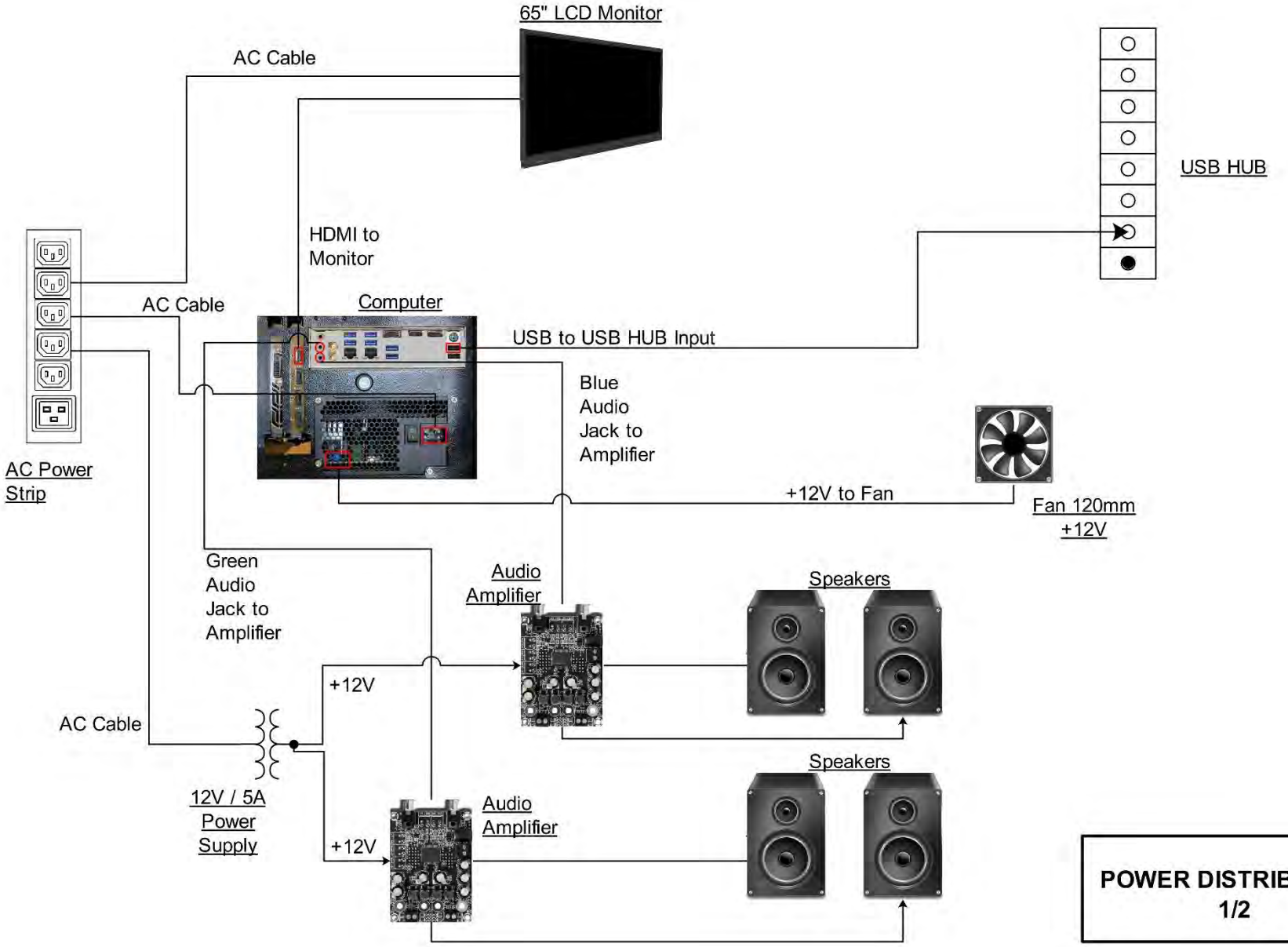


Speakers Wiring Colors





Power Distribution Schematics



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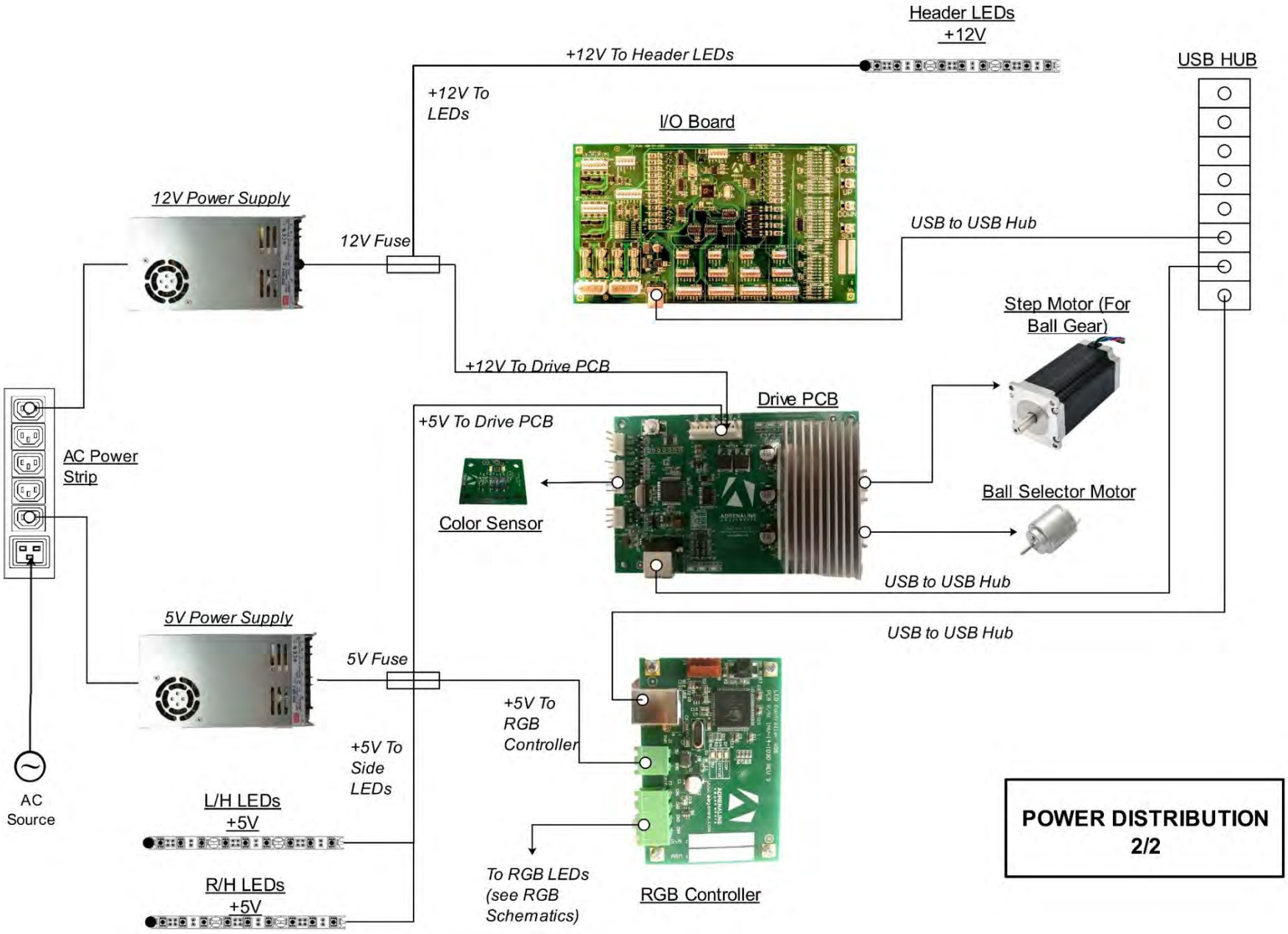
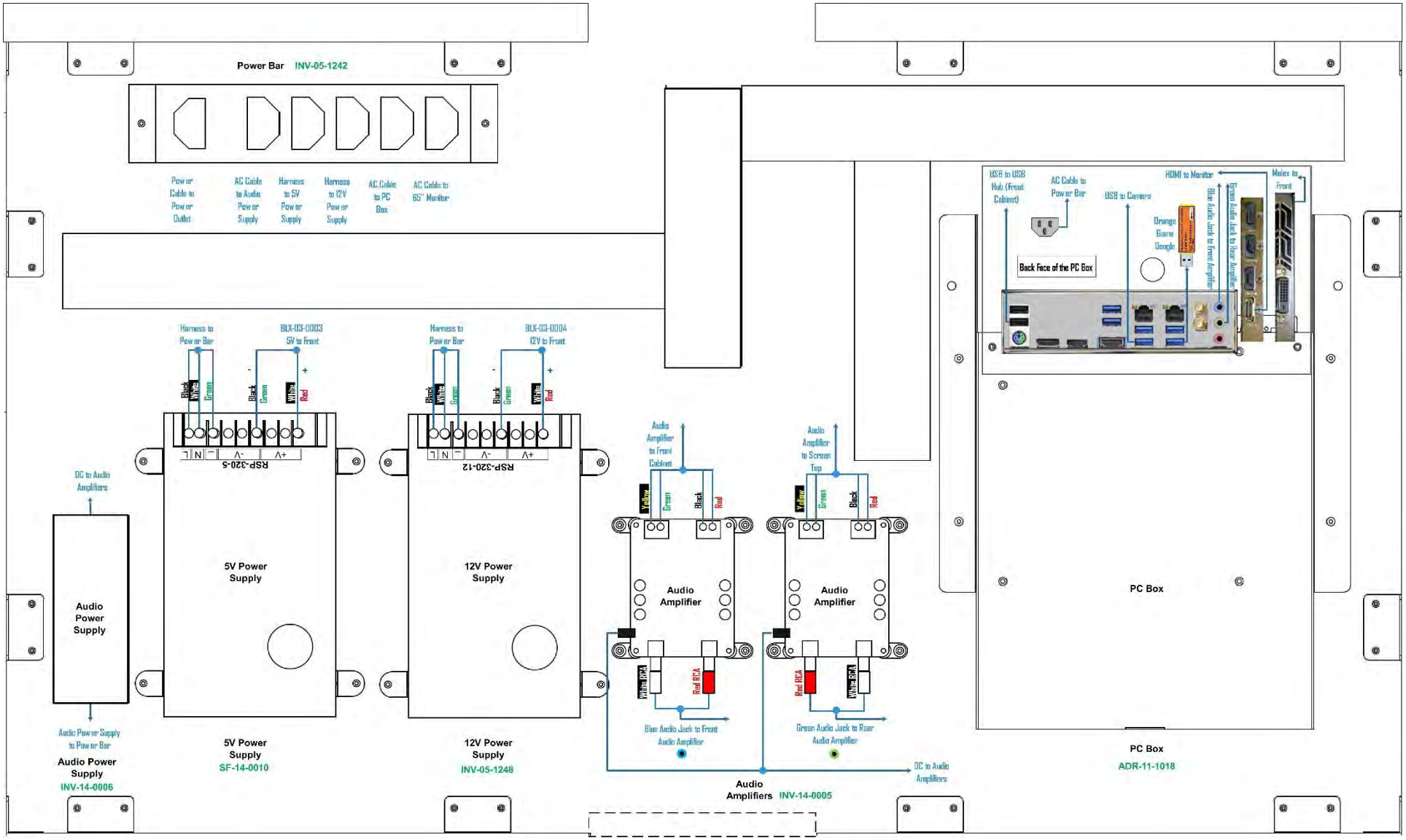

Header LEDs
+12V
+12V To Header LEDs
USB HUB
+12V To
LEDs
I/O Board
12V Power Supply
12V Fuse
USB to USB Hub
Step Motor (For
Ball Gear)
+12V To Drive PCB
Drive PCB
+5V To Drive PCB
AC Power
Strip
Color Sensor
Ball Selector Motor
USB to USB Hub
5V Power Supply
USB to USB Hub
5V Fuse
+5V To
RGB
Controller
+5V To
Side
LEDs
AC
Source
L/H LEDs
+5V
R/H LEDs
+5V
To RGB LEDs
(see RGB
Schematics)
RGB Controller
POWER DISTRIBUTION
2/2

Tray Assembly Schematics



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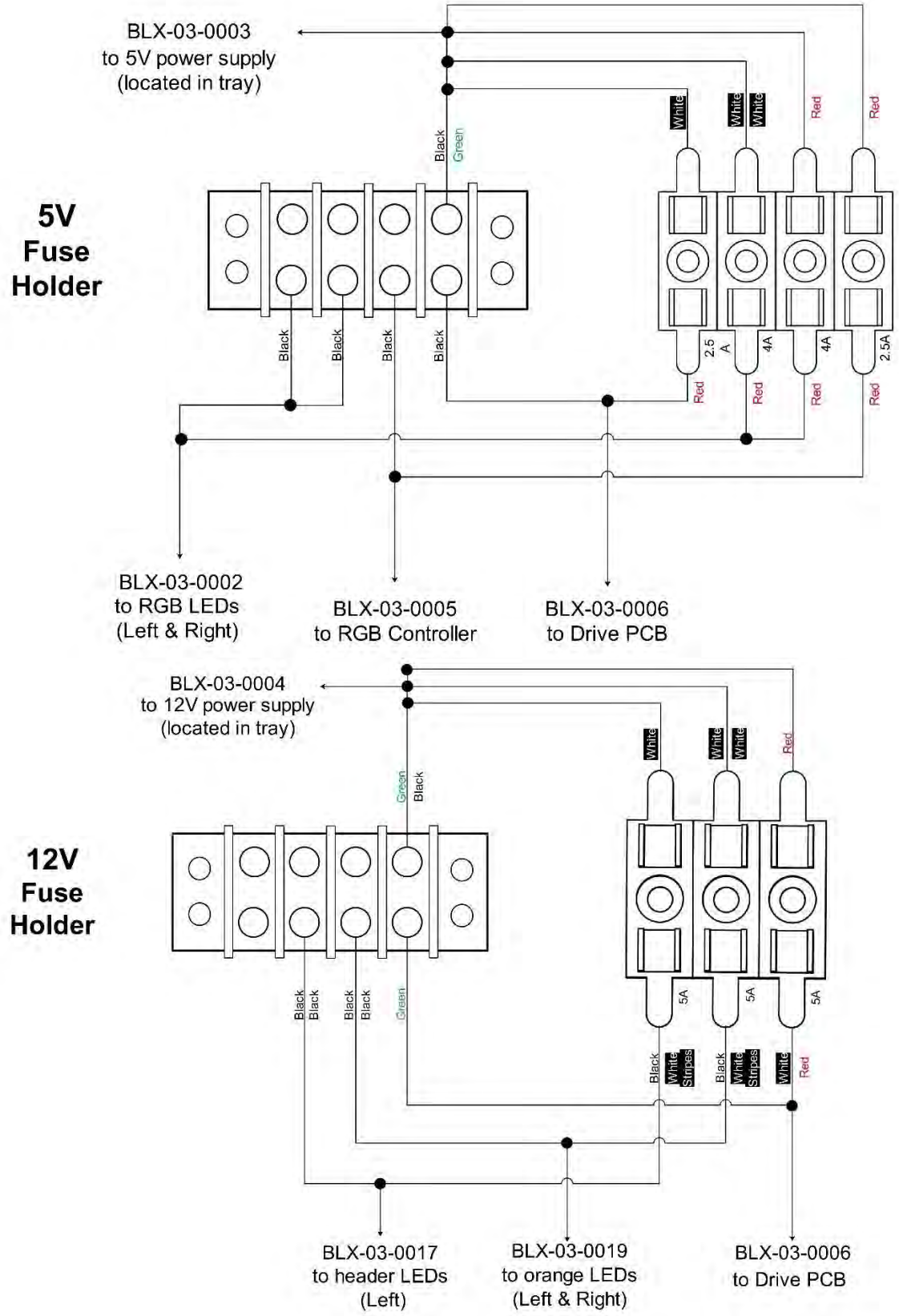
Fuse Holders Schematics



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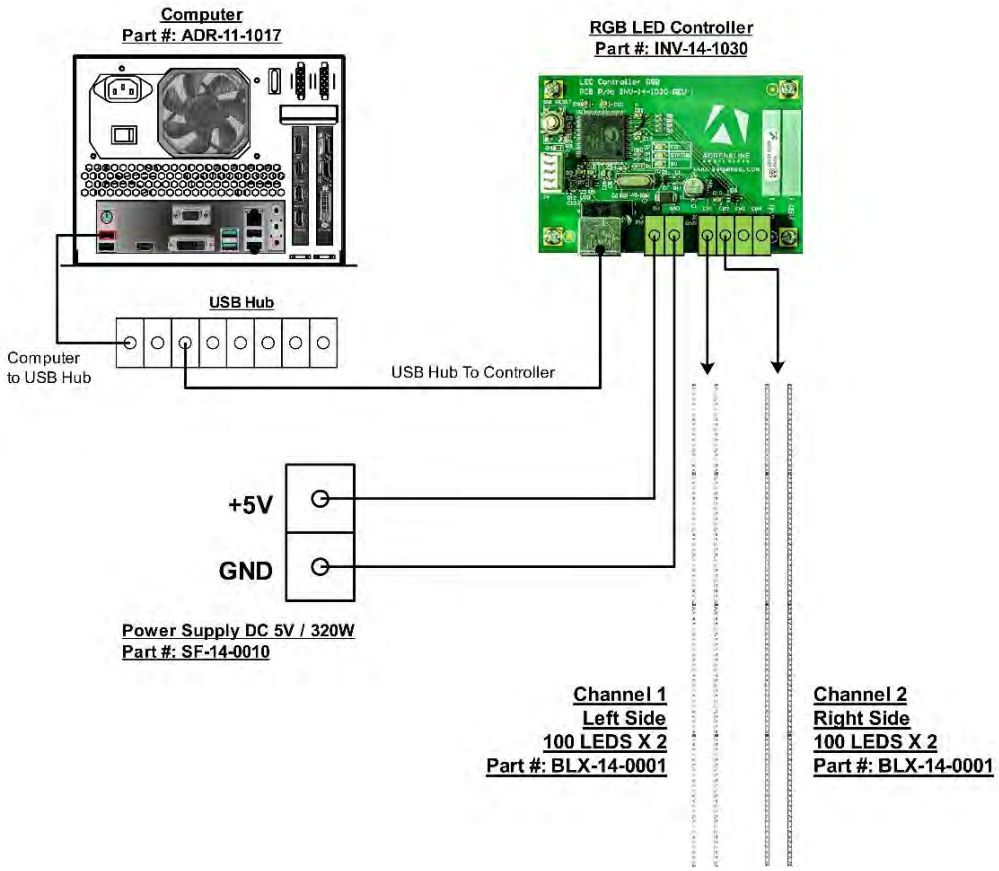
RGB LED Schematics



Each side has 2 strips of RGB PCB LED assembly
Each strip has 100 LEDs BLX-14-0001

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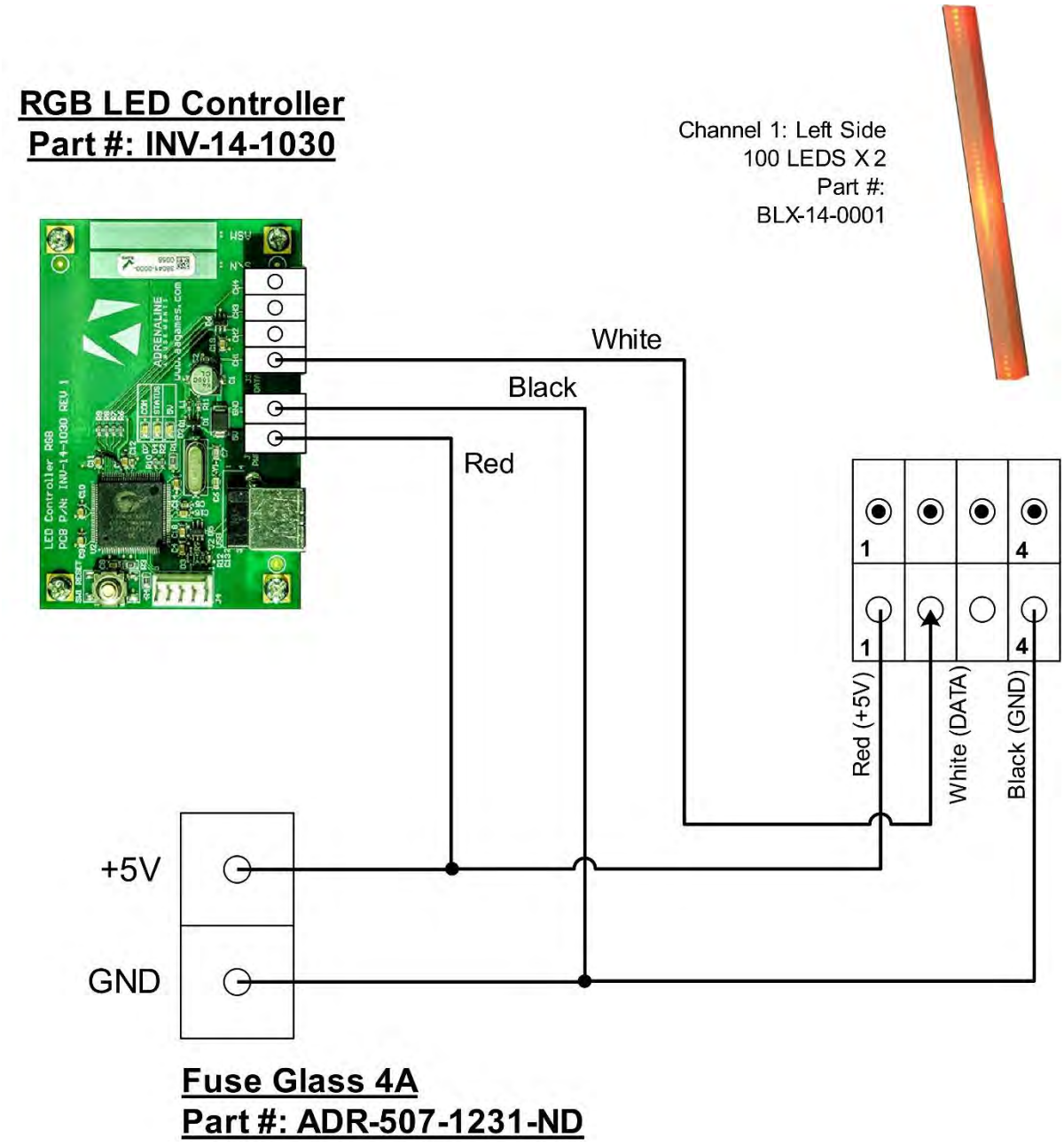
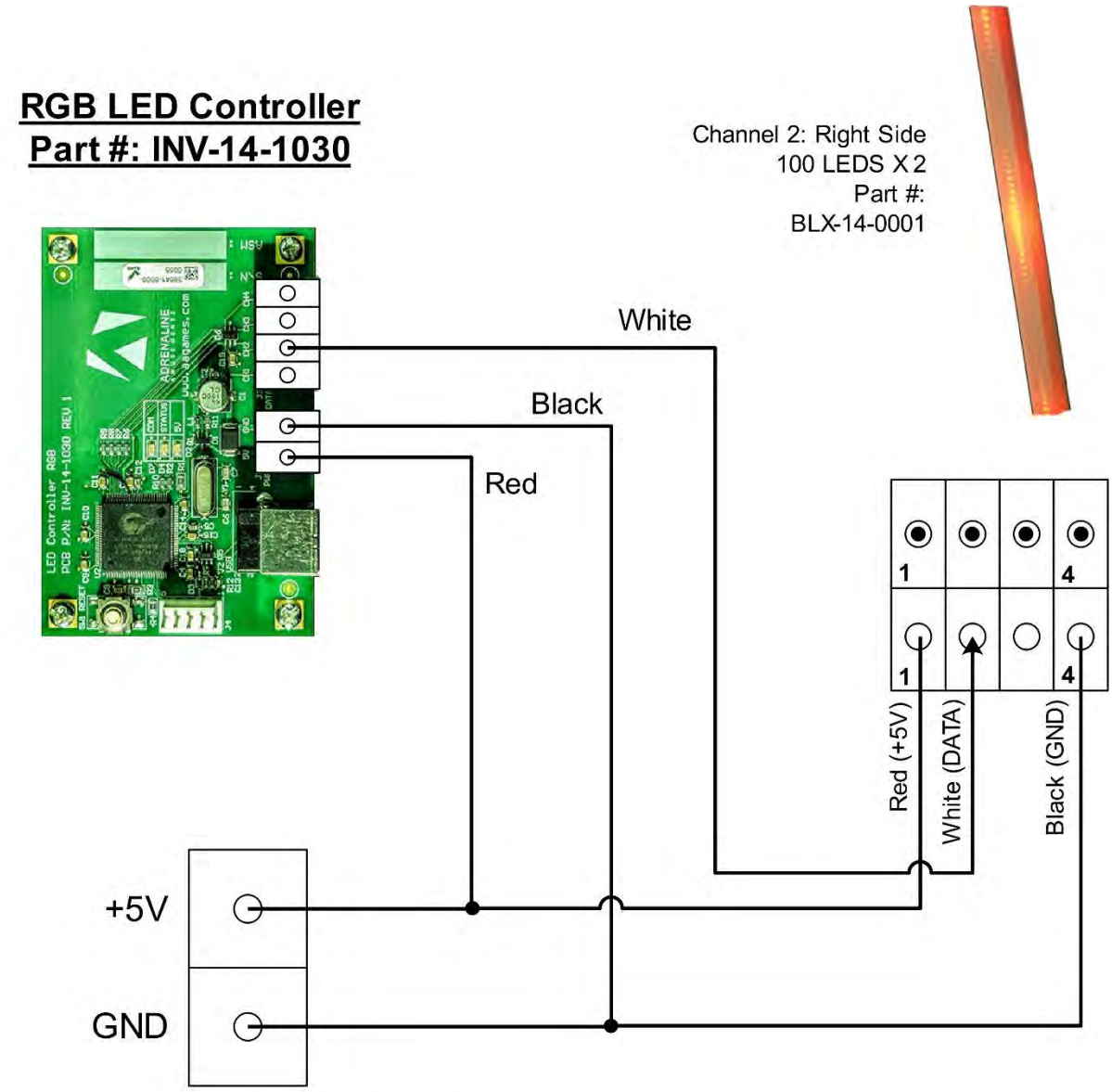
Channel 1


RGB LED Controller
Part #: INV-14-1030
Channel 1: Left Side
100 LEDS X 2
Part #:
BLX-14-0001
White
Black
Red
1
4
1
4
Red (+5V)
White (DATA)
Black (GND)
+5V
GND
Fuse Glass 4A
Part #: ADR-507-1231-ND

Channel 2



Fuse Glass 4A
Part #: ADR-507-1231-ND

Chapter 09 – Software Recovery

If your unit's 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 ***Blue*** 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 to 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 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 validate 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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