Retro Shooter
User Manual

Contents

1. Mainboard Picture:

1P Pedal
1P Gun Recoil
2P Gun Recoil
2P Pedal
Power LED
DC 12V
HDMI
Ethernet Port
Micro SD/TF Card

Pic 1

Pic 2

1.1 Mainboard Specification

Quad-Core ARM Cortex-A55, Neon and FPU			
Configuration	CPU	ARM Cortex-A55, Each Core Clocked At Up To 2.2Ghz	
	CPU	G52 2EE	
	RAM	2GB LPDDR4X 2133Mhz	
	Storage	8GB eMMC System Storage + 64GB Micro SD(TF) Extra	
	System	Android	
	Video Resolution	1920*1080 (1080P) / 1280*720 (720P) 1024*768 (4:3 Output for LCD)	
Interface	1*HDMI		
	1*DC 12V Input Port (2.5/5.5)		
	3*USB Input Ports For LightGun / Game Controller / Trackball / USB Storage		
	1*Ethernet port (For Firmware Update only)		
Language	English / Korean / Spanish		
Total Games	5146	**LightGun Games**	83
3D Games	57	**Vertical Games**	516
Support Wi-Fi	YES (For Firmware Update only)	**Button Custom Mapping**	YES
Game Settings	Adjust The Diffculty And Life of The Game		
Game List Setting	Edit Favorite List / Edit Game List / Edit Emulator		
Game Emulator	FBA / MAME / PS1 / PSP / Naomi / Atomis Wave / N64 / Dream Cast / FC / SFC / MD / Game Boy / Game Boy Advance / Game Boy Color / MSX / MSX2 / Atari 2600 / Atari 7800 / Lynx		
Game Category Search	3D Game / 3P&4P / Fighting / Action / Shooting / Sports / Puzzle / LightGun		
Game Quick Search	Game Name Search / Alphabet Order		
Turbo A Button	YES	**Cooling Mode**	FAN
Work Environment	Temperature 5℃-45℃/ Humidity 30%- -90%		
Size	180mm x 120mm x 35mm		
Net Weight	0.25Kg		

2.Retro Shooter Features:

- In the game menu, search by Alphabetical order (A~Z).

- In the game menu,search by game emulator.

- Easily switch between aspect ratios 16:9 and 4:3 in game play, for games that allow this feature. (Pic3)

- Add gamepad(game controller) config functions. 3 custom button mapping options that can be selected in the game. Next time you play this game the button mapping option will be automatically saved.

- In game play, aspect ration can be selected. 16:9 for LCD monitors and 4:3 for the classic game look. (Pic3)

- In the settings menu -> Game Config -> Edit Game List -> select and press the C button -> you can choose to close/open each emulator, close all console games and only keep the coin operation game.

- Support 3 kinds of resolution display, two kinds of 16:9 display (1920*1080 & 1280*720), one kind of 4:3 display(1024*768). Notice: resolution settings see below -> 3.Resolution Settings.

- Add WiFi and Ethernet port for Firmware Upgrades.

- Up to 17 kinds of game emulators.

Pic 3

3. Resolution settings:

The factory default output resolution is 1280*720, Press and hold the setting button (Pic4), turn on the power and after 2 seconds, release the Setting Button in order to switch to next resolution.

Switch order: 1280*720 -> 1024*768 -> 1920*1080.

Setting Button

Pic 4

4. Setting Menu：

In the game menu or in the game, press the setting button to enter the settings menu(Pic5)

Pic 5

4.1 Wi-Fi Config:

Choose your Wi-Fi name, enter the password to join Wi-Fi. For firmware updates only.

4.2 Button Config:

4.2.1 IO Test:

No use for Retro Shooter console.

4.2.2 Console Config:

No use for Retro Shooter console.

4.2.3 Gamepad Config:

If a gamepad (game controller) is inserted into the USB port of the console, enter the Gamepad Config, the gamepad name will be shown(Pic6).

Pic 6

Now you can custom map the buttons of the gamepad.

1) You can complete three different mappings, when you select the pause menu in the game, select the mapping for different games.(Pic7)

2) If any button on the gamepad cannot be operated, please press and hold any 3 buttons for 3 seconds to initialize the gamepad. Then please follow the prompt steps map. It can map buttons and up, down, left, right!

3) When you need to map the "Custom Mapping1", please select it, press and hold any 2 buttons for 3 seconds to start mapping it (mapping button only). The same operation can map Custom Mapping 2 and Custom Mapping 3.(Pic8)

4) Press the C button to enter the IO TEST of the gamepad.

Notice: "System default button mapping" is the basis for operating all system menus, you can still map it, but please operate with caution!

Pic 7

Pic 8

4.2.4 LightGun IO TEST:

For Retro Shooter LightGun IO test.

4.2.5 LightGun Crosshair Setting:

When the lightgun is inserted into the console for the first time, Please do a Crosshair Setting, If you have two lightguns, please operate the crosshair one by one(Pic9).

Pic 9

Press the start button of the 1P lightgun to enter the crosshair setting screen. Please use the lightgun to aim at the bullseye and pull the trigger, need to aim and shoot 4 bullseyes, center position, upper left corner, lower right corner, upper right corner(Pic10).

Crosshair Setting is completed, the screen will prompt "Crosshair Setting Saving" (Pic11).

Then you will see the crosshair, now you can move the Lightgun to move the crosshair.
2P Crosshair Setting is the same as 1P.

Pic 10

Pic 11

4.3 System Config:

4.3.1 Use Select Button to Pause:

[ON]: In the game press the "select" button of the gamepad to show the pause menu.
[OFF]: In the game, hold the "start" button of the gamepad for 3 seconds to show pause menu.

4.3.2 HD Quality Mode:

[ON]: Output game screen using graphic card software to calculate output of high quality.
[OFF]: Game output original screen.

4.3.3 Scan Line:

[ON]: Make the LCD display look like a CRT display.
[OFF]: Turn off the scan line.

4.3.4 Gamepad Setting:

This mode supports four gamepads to play games, support 4player game play.
If the game supports 4Players: one gamepad=1P, one gamepad=2P, one gamepad=3P and one gamepad=4P.

This mode supports three gamepads to play games, support 4player game play.
If the game supports 4Players: one gamepad=2P, one gamepad=3P and one gamepad=4P.

This mode supports two gamepads to play games, support 4player game play.
 If the game supports 4Players: one gamepad=3P, one gamepad=4P.

4.4 Game Config:

4.4.1 Difficult & Life Config:

In the [difficult & life config] menu(Pic12), choose the game you want to set, press A button to set the difficulty; press B button to set the life (If the game has no difficulty and life settings, press A and B buttons will not change),Press C the setting of the selected game will be applied to all games.

Pic 12

4.4.2 Edit Favorites List:

In the [Edit Favorites list] menu(Pic13), choose the game you want to set, press A button to favorite, ⭐ will appear in front of the game name, it will display on top of the game menu. Press C to Unlock all favorites.

Pic 13

4.4.3 Edit Games List:

In the [Edit Game List](Pic14), choose the game you want to set. Press A button to show and hide game, after hiding the game, 🚫 will appear in front of the hidden game; press the B button to show all games. If you want to power on the console and auto start a game, select the game, press the B button to hide all other games, every time after this turning on the power will auto run this game.

Press C into close and open game emulator & game console types ![no symbol] : all games of this type will not be shown in the Game menu.(Pic15)

Pic 14

Pic 15

4.5 Book Keeping:

No use for Retro Shooter console.

4.6 Language:

Mainboard supports three languages: English/ Spanish / Korean.

4.7 Save Setting and Exit:

Press A button will prompt to confirm save and exit, press the 1P button to go back and continue to modify the settings. Select save and the screen will display "Now Saving…", now please do not turn off the power, the mainboard will auto reboot and show the game menu.

Note: Some settings are modified, it will be saved at that time, such as language modification.

4.8 Factory Setting & Exit:

Select [Yes] will restore the factory settings.

Select [No] back to settings menu.

5.Controllers：

5.1 PS-Style Black controllers:
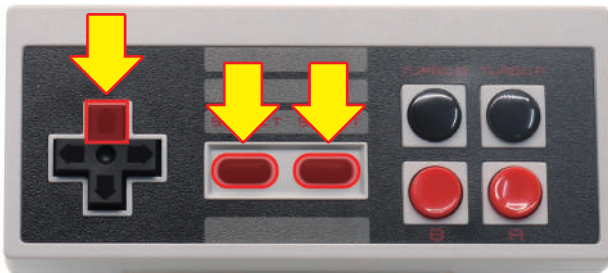
Each set of 2 black controllers comes with 1 USB receiver. (Pic16)

To turn on the controllers, insert the 1 USB receiver to the USB port of the console. Add fresh batteries to the controllers and turn on the ON/Off switch.

If the controllers lose signal/disconnect, make sure that the batteries are fresh and that there is no other Bluetooth signals in the room.

Power Switch

Pic 16

5.2 NES controllers:

Each set of NES controllers comes with 2 USB receivers (Pic17)

To turn on the controllers, insert the 2 USB receivers into the USB ports of the console. Add fresh batteries to the controllers and press the start key.

If the controller does not start, try re-matching it to its USB receiver.

1. Insert the receiver into the console, turn on the power of the mainboard.
2. Insert the batteries.
3. Press and hold these 3 keys for 3 seconds (Pic18).

Pic 17

Pic 18

5.3 Arcade Joystick:

The arcade joystick comes with 1 USB receiver. (Pic19)

To turn on the controller, connect the USB receiver to the console, add fresh batteries and turn on the red power button on the side of the controller. If the controller does not turn on, try re-matching the controller to the USB receiver:

1. Insert the USB receiver into the console, turn on the power.
2. Add the batteries to the joystick.
3. Press and hold Back+Start+H, turn on the power switch on the side of the controller and wait for 3 seconds (Pic20).

Pic 19

Power Switch

Pic 20

6.Abnormal Condition Diagnosis:

Error Description	Reason	Approach
Mainboard power led is not lit	Power adapter maybe abnormal or Console is abnormal.	Try to replace the power adapter with the same parameters or contact to the dealer.
No Signal	Please check whether the HDMI cable is connected normally signal of the LCD monitor is set correctly.	Replace the HDMI cable or LCD monitor.
No Sound	Please adjust the power amplifier or monitor sound.	Replace amplifier cable and HDMI cable.
Game Freezing	The game is not run perfectly by the emulator.	Try factory Reset
Lagging	The game is not running perfectly by the emulator.	Try factory Reset
Not able to save progress	The game does not support save progress or save error.	Try factory Reset
Game not loading	Loading error or storage device missing game files.	Try factory Reset

*(Accessories provided may vary according to the version as there may be some new changes or upgrades of it ,so it may vary without prior notice)

7.Lightgun Manual

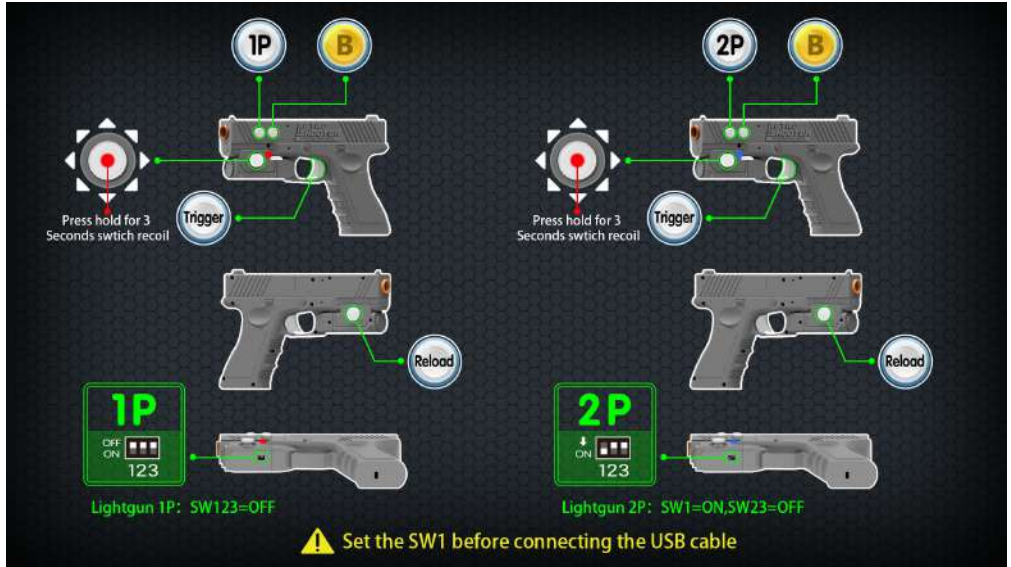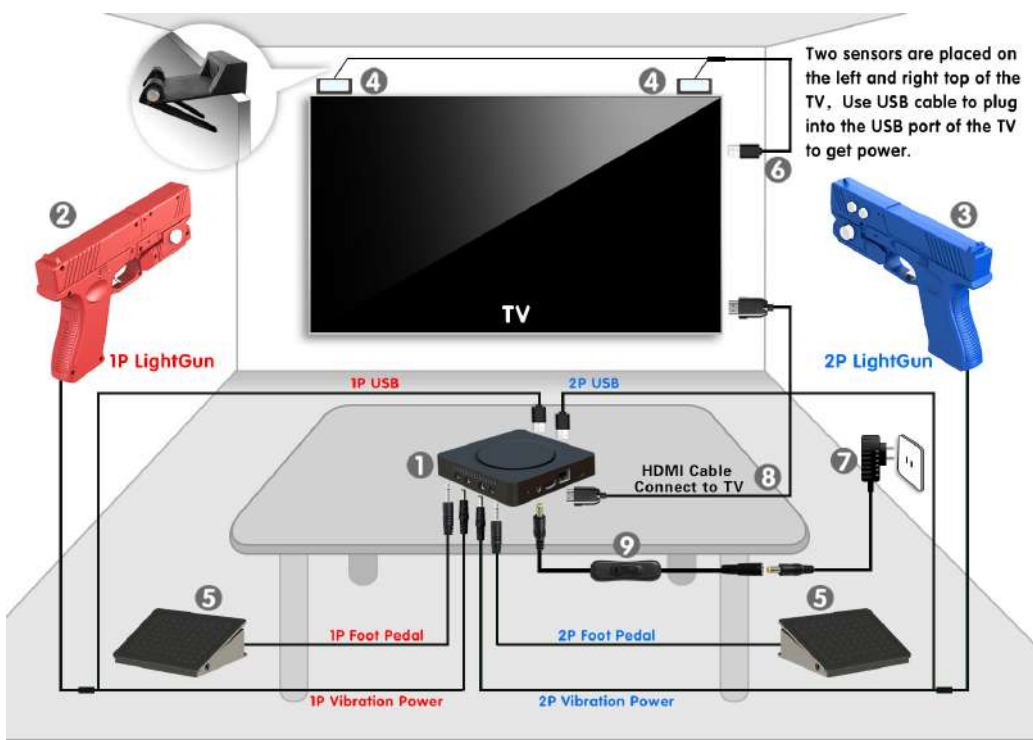|		
LightGun-Red	LightGun-Blue	USB A to Type C Cable
Pedal	Hub	Sensors
PANDORA BOX 10th Family Version	PANDORA BOX 10th Arcade Version	Retro Shooter Mainboard
12V Adapter Power 1 to 2 Cable	Console 12V Switch Cable	Hub 12V Power Cable
HDMI Cable	12V/5A Power Adapter	

8. Lightgun with PANDORA BOX Series Button Instructions:
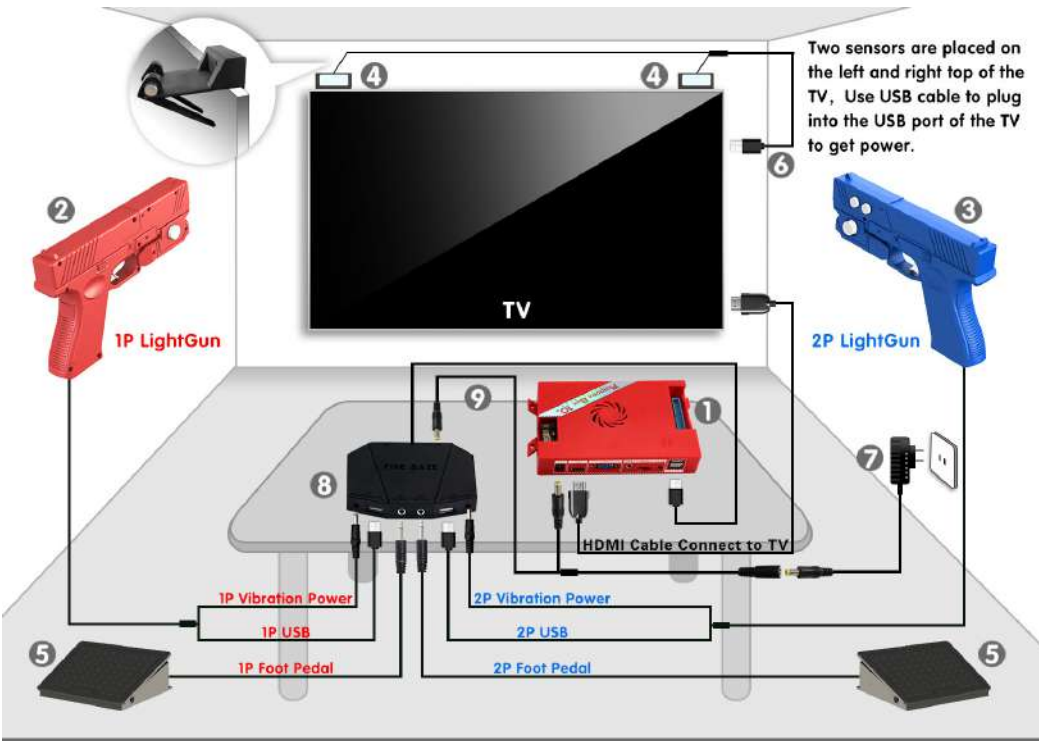

Pic 21

8.1.Connection instructions

1 **Retro Shooter with lightgun full items connection instructions:**

Two sensors are placed on the left and right top of the TV, Use USB cable to plug into the USB port of the TV to get power.

TV

2 1P LightGun
3 2P LightGun

1P USB   2P USB

1 HDMI Cable Connect to TV 8   7

5 1P Foot Pedal   2P Foot Pedal 5

1P Vibration Power   2P Vibration Power

1 Retro Shooter Mainboard
2 LightGun–Red
3 LightGun–Blue
4 Sensors × 2
5 Pedal x 2
6 USB A to Type C Cable (Provide power for sensors)
7 12V/5A Power Adapter
8 HDMI Cable
9 Console 12V Switch Cable

Pic 22

2 **PANDORA BOX 10th family version with Lightgun full items connection instructions:**

Two sensors are placed on the left and right top of the TV, Use USB cable to plug into the USB port of the TV to get power.

1P LightGun

2P LightGun

TV

HDMI Cable Connect to TV

1P Vibration Power
1P USB
1P Foot Pedal

2P Vibration Power
2P USB
2P Foot Pedal

① PANDORA BOX 10th Family Version
② LightGun-Red
③ LightGun-Blue
④ Sensors × 2
⑤ Pedal x 2
⑥ USB A to Type C Cable (Provide power for sensors)
⑦ 12V/5A Power Adapter
⑧ Hub (Extend USB port and provide recoil power)
⑨ 12V Adapter Power 1 to 2 Cable

Pic 23

# 3 PANDORA BOX 10th arcade version with lightgun full items connection instructions:

Pic 24

8.2 Attention:

1) Install the sensors, please put the sensor on the upper left and right edges of the monitor, connect the power supply cable of TYPE-A to TYPE-C to the sensor(If the lightgun is used at home,TYPE-A port is recommended to plug into the USB port of the TV).

Loosen the two feet on the bottom of the sensor, hook the front bottom lip of the sensor on the top front edge of your TV. Use the two feet on the back part of your TV to support the sensor and tighten the feet so it doesn't move. Now press the switch, you can see the green light on the front of the sensor, it is working (Pic25).

Press

Power Switch
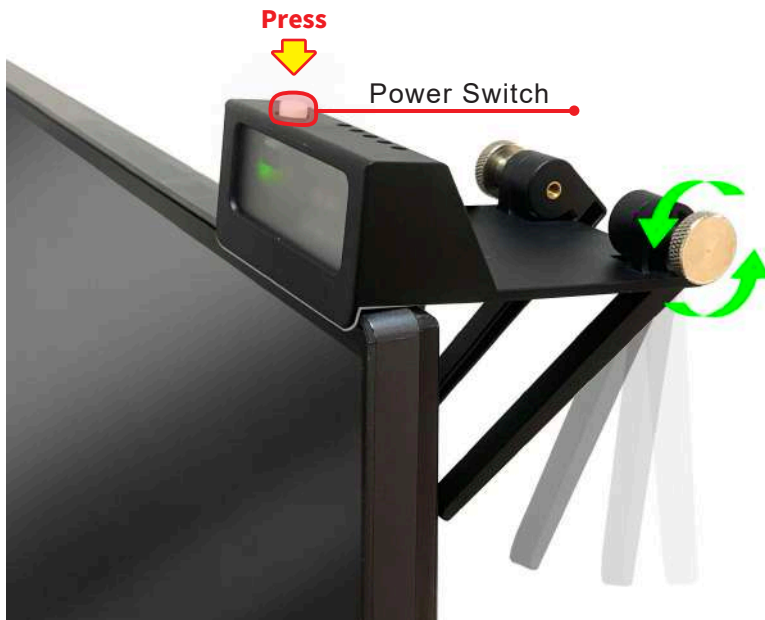
Pic 25

2) If building your own arcade cabinet, please fix the sensors on the wooden boards on the left and right edges of the monitor.

3) Lightgun recoil uses 12V power, 1pcs Lightgun requires about 1A current, 2pcs use total 2A, lightgun with mainboard uses the same power adapter together, it is recommended to use12V/5A power adapter.
Retro Shooter and family version usually use the same 12V power adapter with lightgun, so it must be a 12V/5A power adapter. The arcade uses a usb hub to provide recoil power. The 12V input of the hub can be connected to the 12V power of the supply power inside the cabinet.

4) When you have connected all the items, please enter the setting menu and calibrate the crosshair settings. Based on the centerline of the screen, Lightgun can be between 1m(3ft) and 3.5m(10ft) away from the screen, and the distance from the centerline is 1.5m(5ft).(Pic26) When you stand at a certain position and set the crosshair, please try to stay within 1 square meter of this shooting position (Pic27), if you need to change to a farther or closer position, please calibrate the crosshair again.
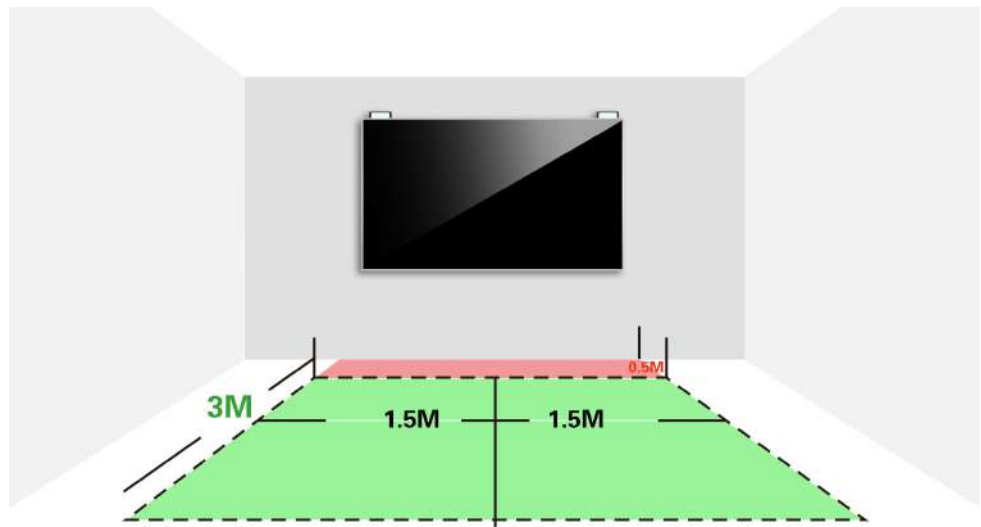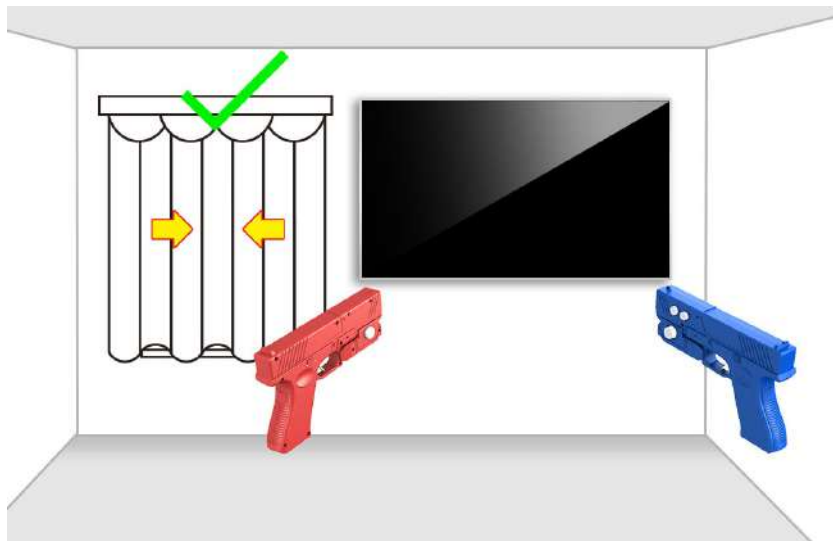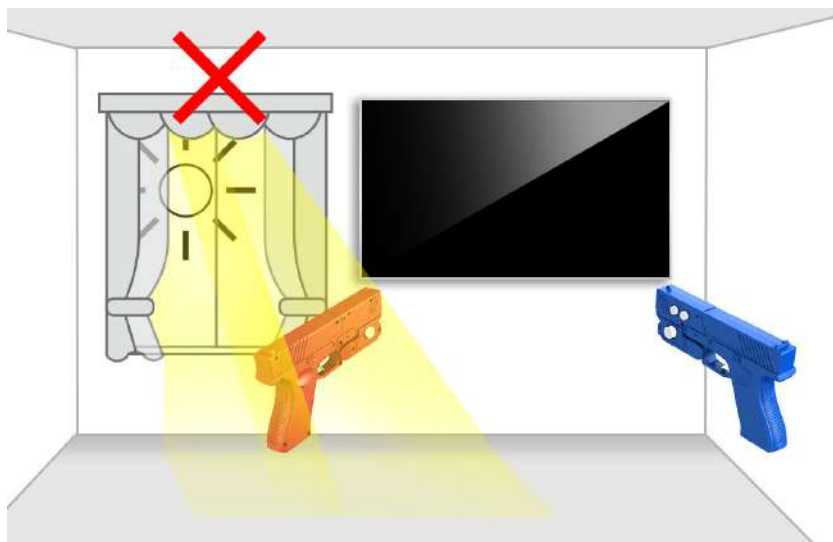
Pic 26
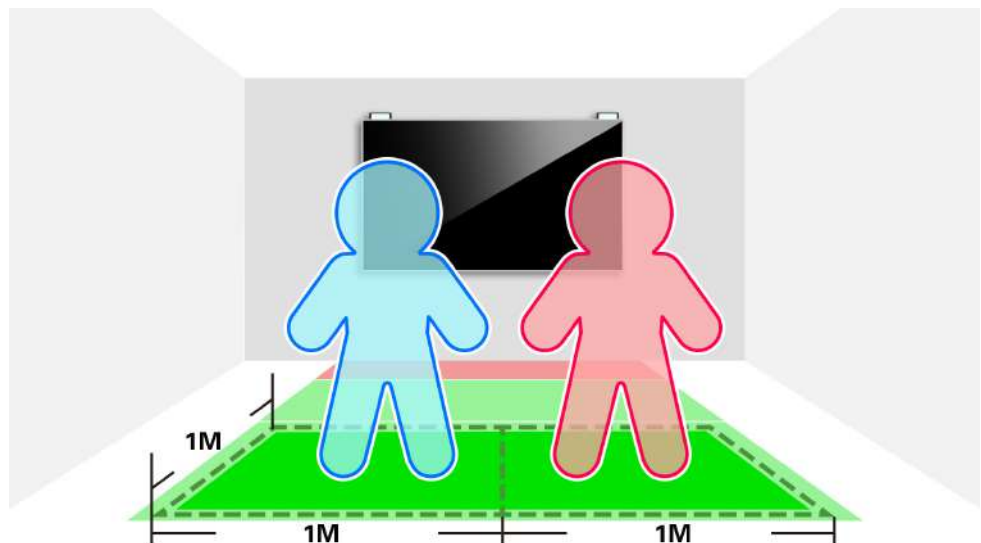
Pic 27

5）When you use the lightgun, if the monitor is against a window and the sun is shining, please close the curtains, the light outside the window will interfere with the lightgun camera and affect the shooting accuracy!（Pic28）
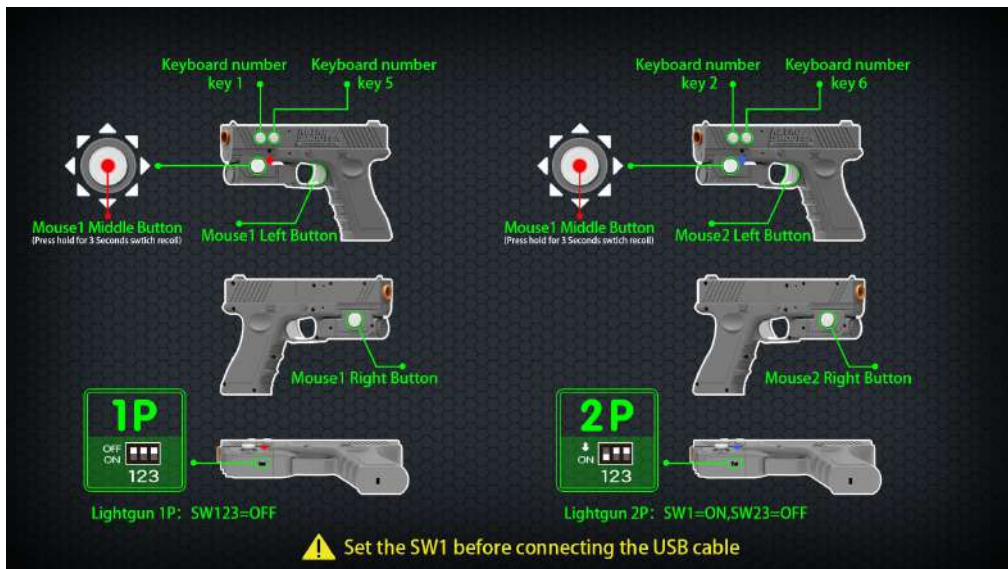

Pic 28

6) The big button on the right side of the Lightgun is the reload function, and the pedal is also the reload function. When used in Time Crisis, the reload button and the pedal are hiding functions.

7) Lightgun default settings are single fire recoil, pull the trigger once and there will be a recoil. To enable rapid/automatic recoil, press and hold the 4 way joystick middle button for 3 seconds, you can hold the trigger and have the recoil all the time.

8) To turn off recoil, press and hold the trigger before pluging in the lightgun USB cable to the port, if the lightgun is already plugged in press and hold trigger before powering on the console. To enable the recoil again, unplug the lightgun and plug it back in or power off and on the console without holding the trigger.
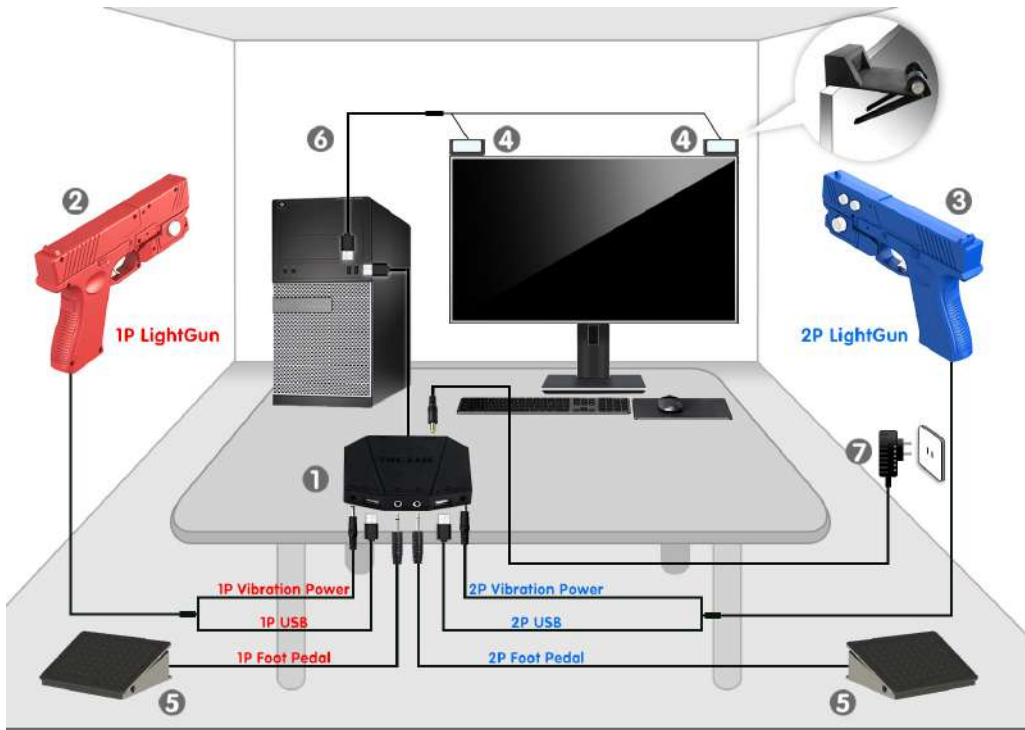https://youtu.be/mIVBkzyX1Ic

9. Lightgun with PC Button Instructions:

Pic 29

9.1 Lightgun full items with PC connection instructions:

Pic 30

9.2 Attention:

1）Lightgun is inserted into the PC USB port, it will be recognized as add a mouse and keyboard, no need to setup any software drivers.

2) It can be recognized in any emulator, in emulator, use lightgun's mouse to map lightgun's X and Y, also use lightgun's keyboard number 1 map game start, keyboard number 5 map as game insert coin...

Just for Your Health concern，We advise the game hours to be limited. Please DO NOT watch the Monitor/TV for a long time in a dark environment and take rest at different time intervals.

PANDORA BOX

Enjoy Life With Quality

3A Game Electronic
Technology