



Retro Shooter User Manual

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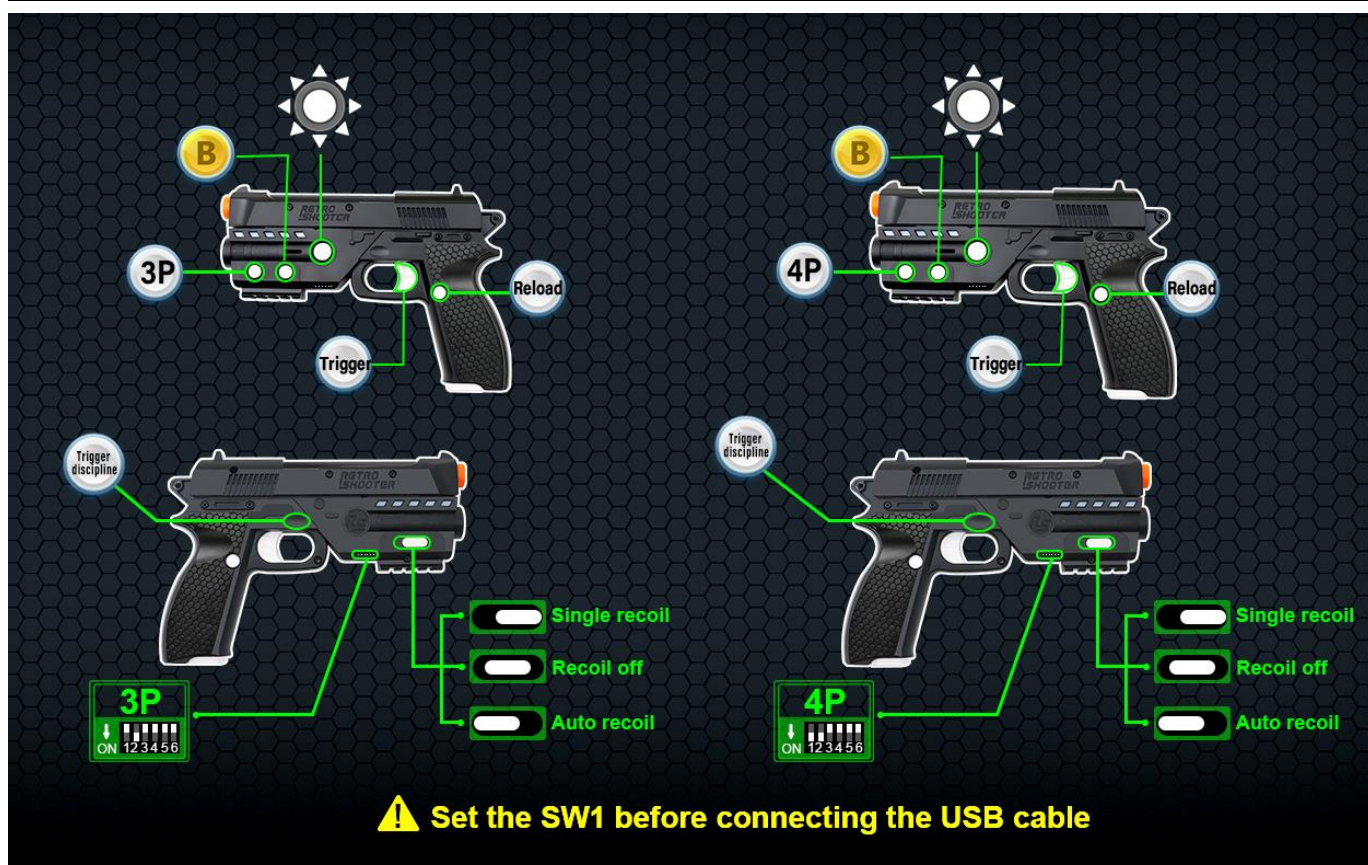
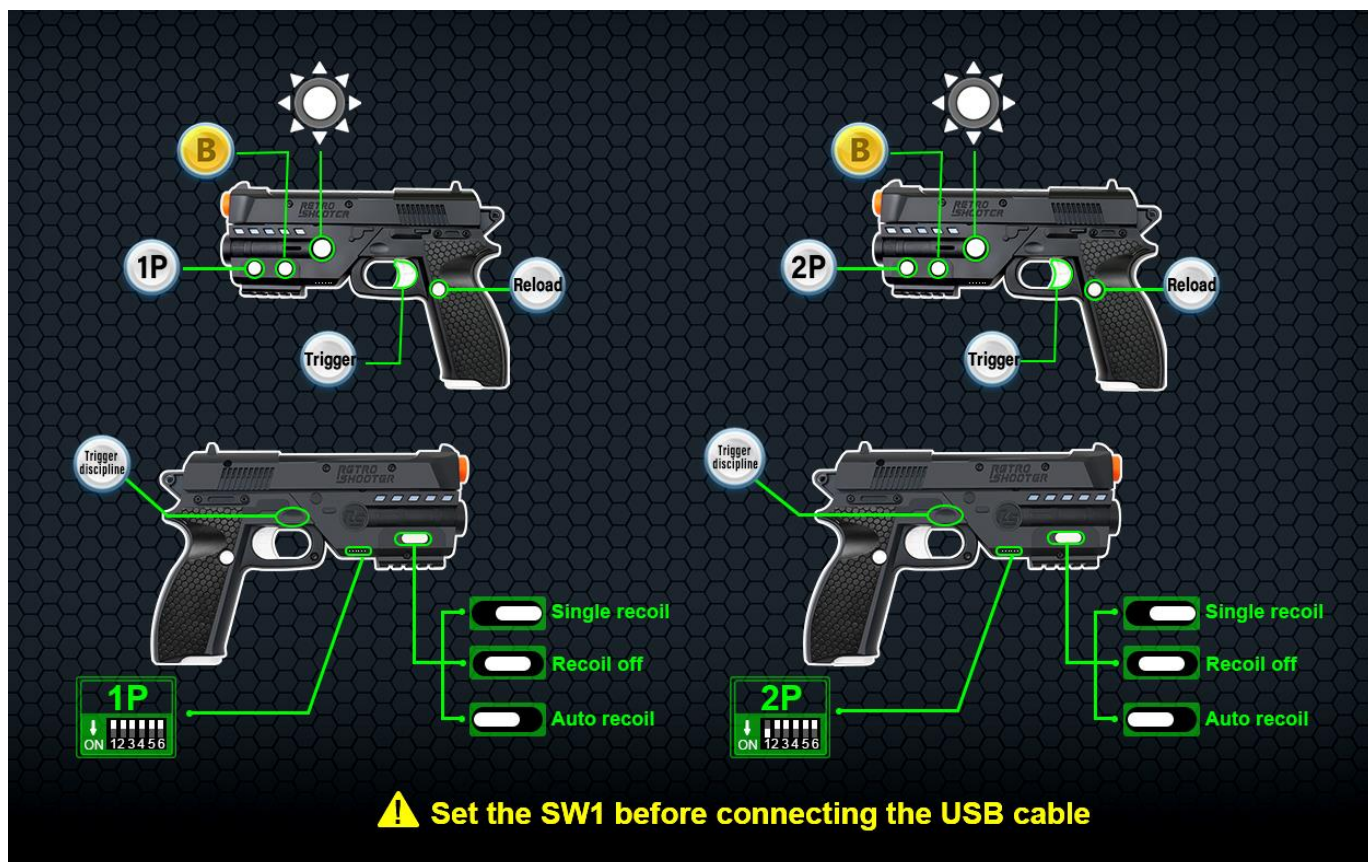
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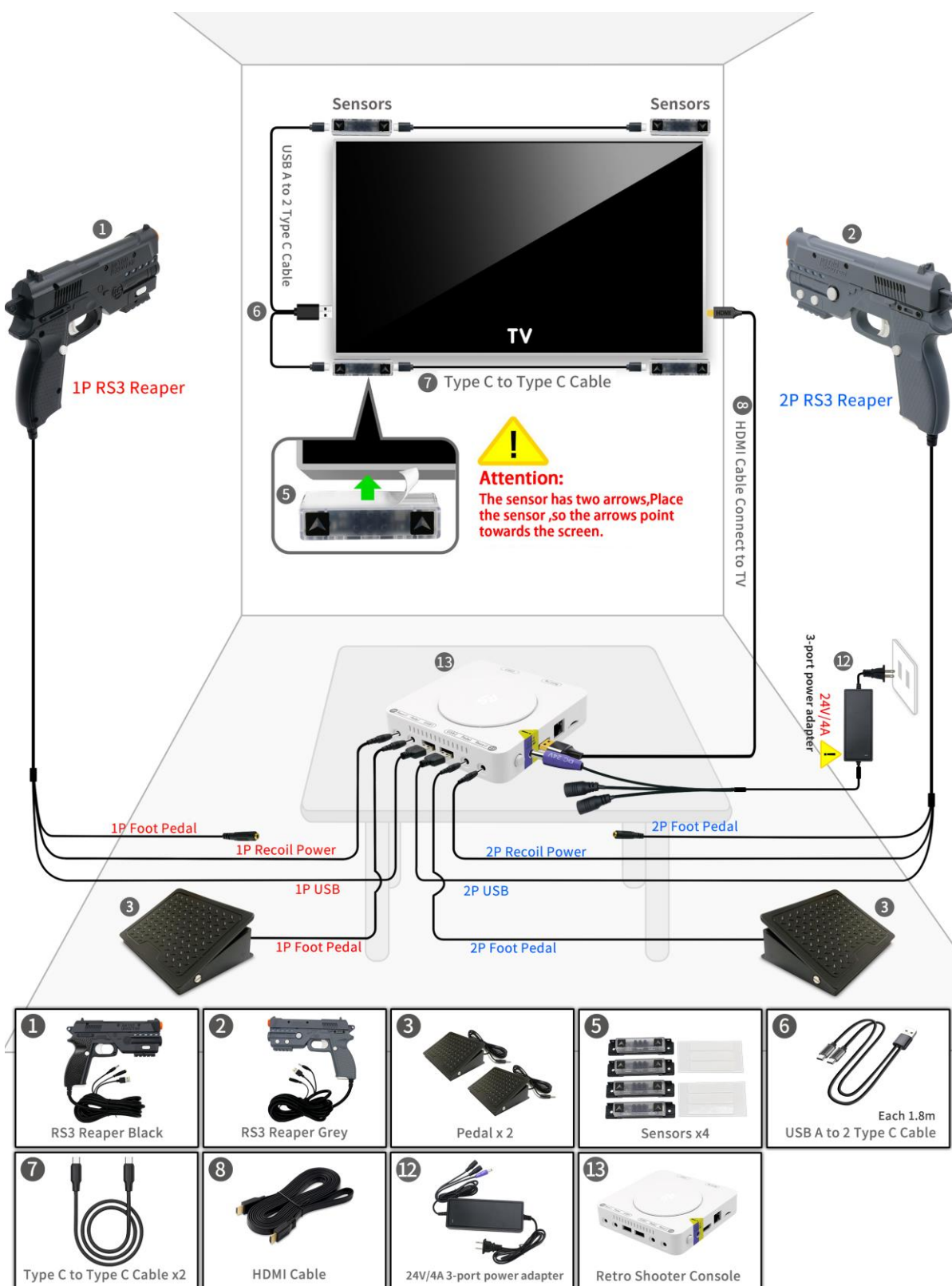
1 RS3 Reaper Specification

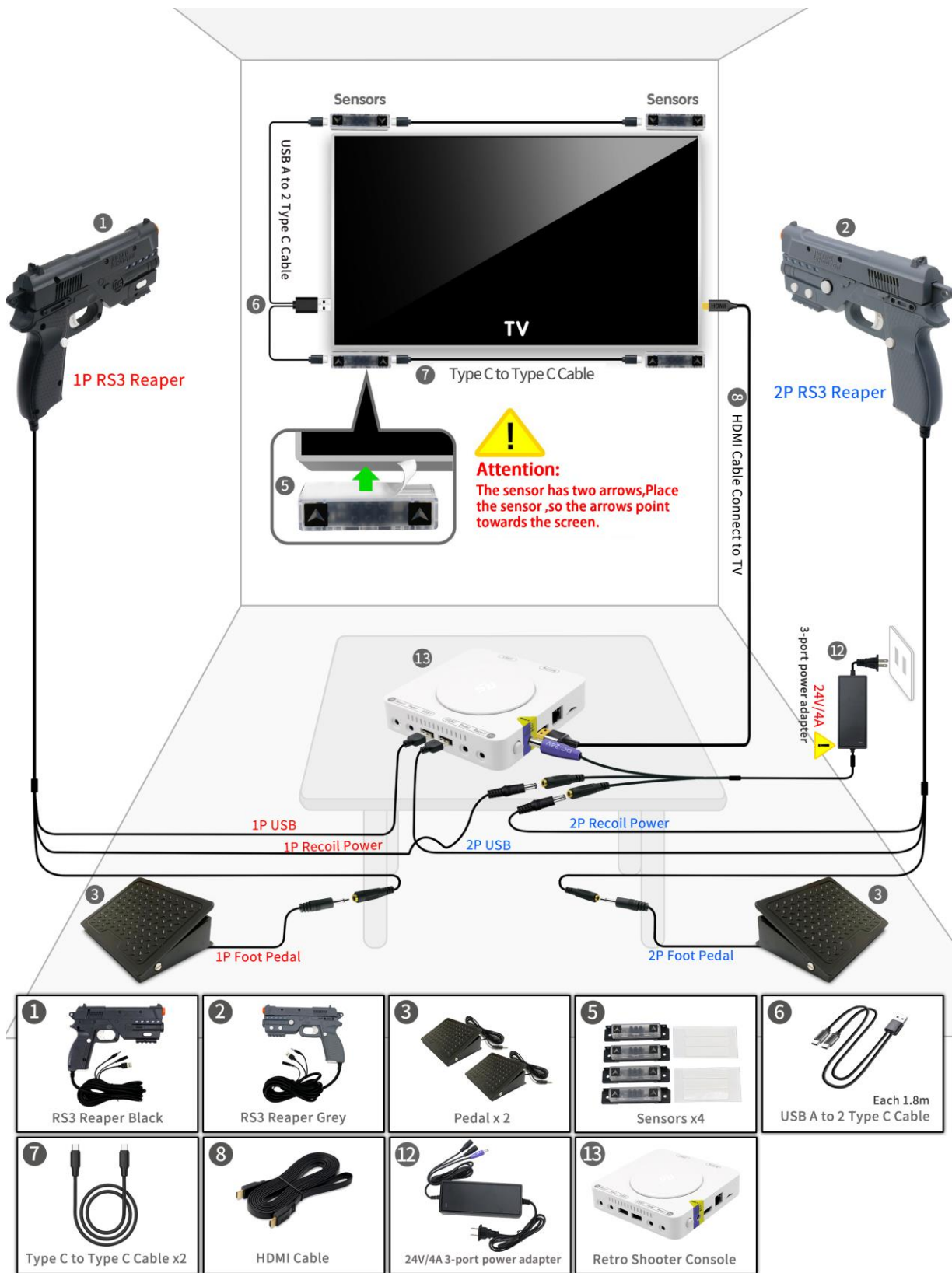
Device Type	Mouse, Keyboard, Joystick (Gamepad)
Connectors Size	3.5x 1.35mm male
Buttons	10
Voltage/current	24V/One Light Gun Max 1.5A
Light Gun Weight	0.5Kg(1.2lb)
Light Gun with Cable Weight	0.8Kg(1.8lb)
Cable Length	3.5M (11.5ft)
Size(Length, Width, Height)	24cmx 17cmx 3.6cm(9.5x6.7x1.5in)

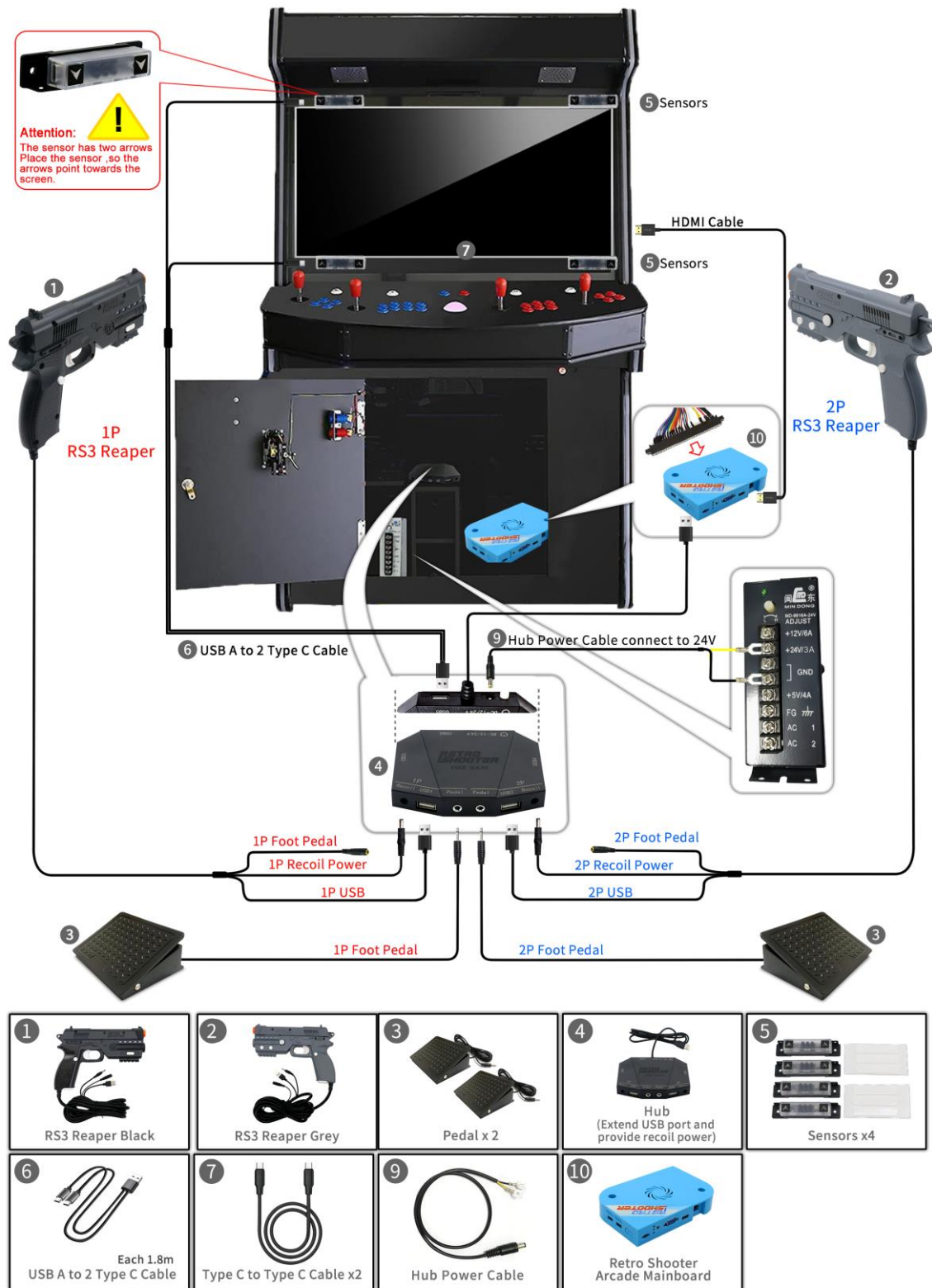
2 RS3 Reaper Full Items



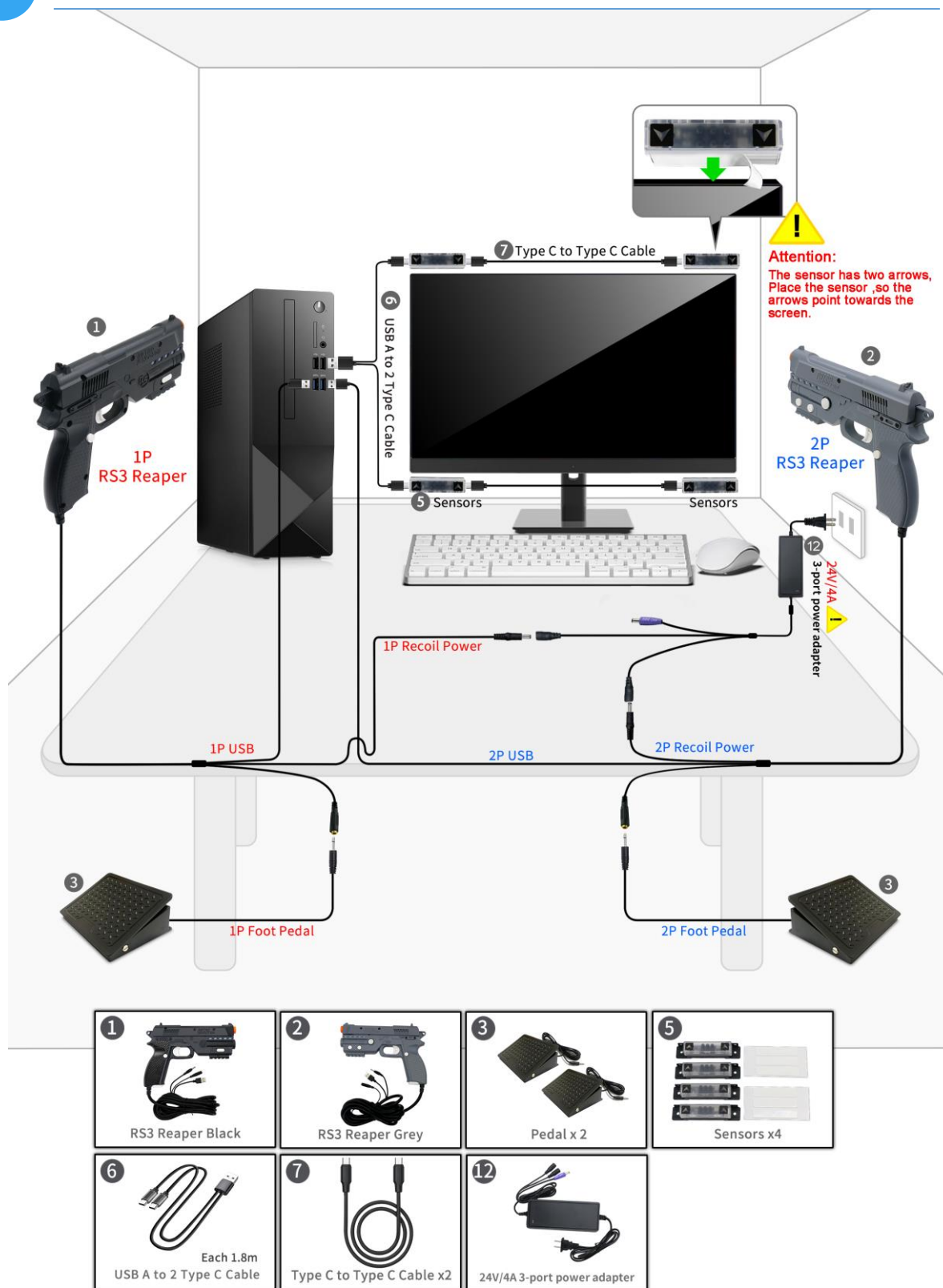












When you have connected all the items, use the PC calibration software to calibrate your light guns on your PC (Pic1)

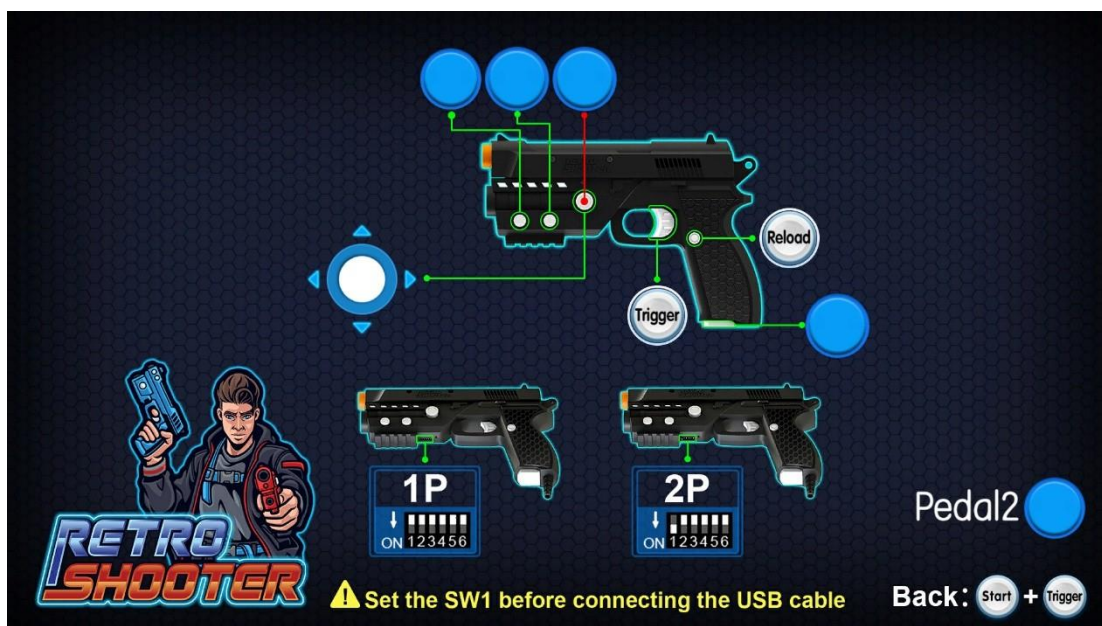


Pic1

4.1

RS3 Reaper IO TEST

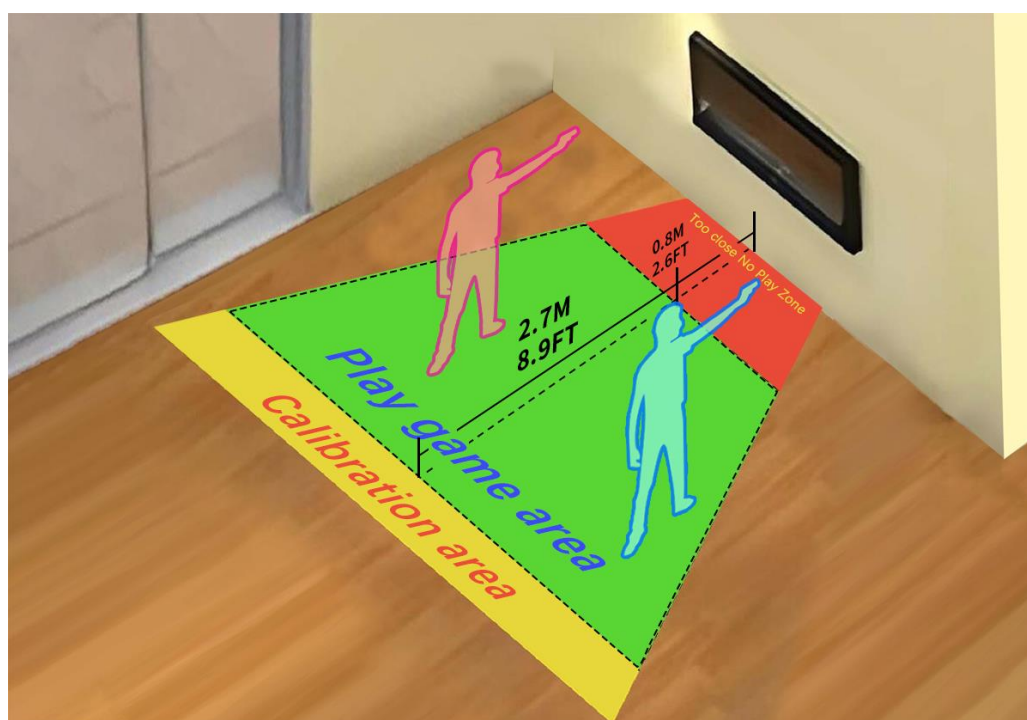
Open the crosshair setting and press the reload button to enter the IO test. The screens of The Light Gun IO test in the Retro Shooter console and the PC IO test are different. The IO test on the Retro Shooter console only matches the buttons it uses, and the IO test on the PC is for The full button. The following is the IO test displayed on the PC. (Pic2)



Pic2

If the screen is larger than 27 inches, it is recommended that you calibrate your light guns at the maximum distance from the screen (the light gun cable is about 3.5m or 10ft). Example: enter the crosshair setting screen, stand as far back as you can, calibrate your crosshairs. After calibrating the crosshairs, use the light gun to play between 1 meter (3ft) and 3.5 meter (10ft). (Pic3)

If the screen is smaller than 27 inches, it is recommended that you calibrate the crosshairs while standing at a maximum distance of 2 meters (6ft) from the screen. After calibrating the crosshairs, use the light gun to play within 0.8 meters (2.5ft) and 2 meters (6ft)



Pic3

The default setting of the light gun has completed the standard crosshair setting. It is still recommended to set the crosshair once you get it. If you have two light guns, please operate the crosshairs calibration one by one.

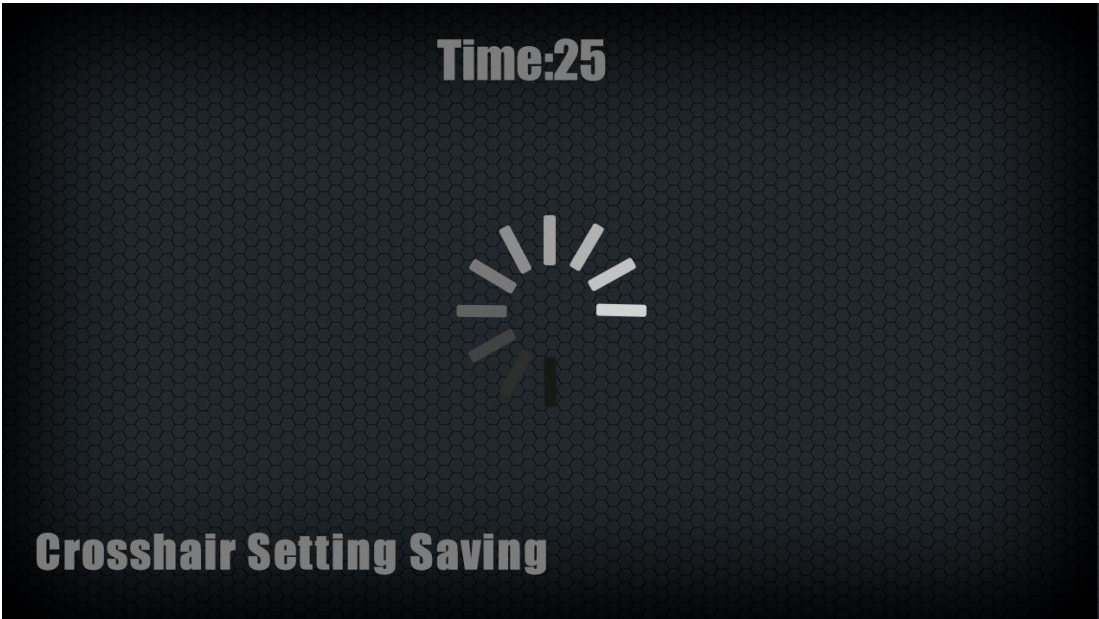
Press the 1P light gun start button to enter the 16:9 crosshair setting screen. Please use the light gun to aim at the bullseye and pull the trigger, aim and shoot 4 bullseyes, center position, upper left corner, lower right corner, upper right corner. (Pic4)

Crosshair Setting is completed, the screen will prompt "Crosshair Setting Saving" (Pic5). Then you will see the crosshair, now you can move the Light gun to move the crosshair.

2P Crosshair Setting is the same as 1P



Pic4



Pic5

5.1

RS3 Reaper DIP Switch Setting



1P



SW1=OFF, SW2=OFF, When Light gun power is on, LED1 begins to flash in blue for 5 seconds, and finally stays at 1 blue LED. 1 blue LED means Light Gun=1P



2P



SW1=ON, SW2=OFF, When Light gun power is on, LED1 & 2 begin to flash in blue for 5 seconds, and finally stay at 2 blue LED. 2 blue LED means Light Gun=2P



3P



SW1=OFF, SW2=ON, When Light gun power is on, LED1 & 2 & 3 begin to flash in blue for 5 seconds, and finally stay at 3 blue LED. 3 blue LED means Light Gun=3P



4P

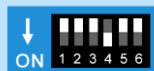


SW1=ON, SW2=ON, When Light gun power is on, LED1 & 2 & 3 & 4 begin to flash in blue for 5 seconds, and finally stay at 4 blue LED. 4 blue LED means Light Gun=4P



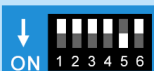
SW3=OFF, Slide recoil frequency normal

SW3=ON, Slide recoil frequency low



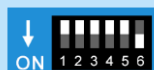
SW4=OFF, Slide recoil force normal

SW4=ON, Slide recoil force low



SW5=OFF, Press the trigger once, the slide barrel works once.
press the reload once, the rumble motor works once

SW5=ON, Stop the slide barrel, press the trigger once, the rumble motor works once



SW6=OFF, Rumble motor is on (It works with reload button/trigger or receives a com command)

SW6=ON, Rumble motor turn OFF

5.2

How to switch the reload button

The small buttons on the handle (right side and left side) and the big button at the bottom of the magazine (mouse middle button) can be set as the reload button. To set the reload button of your choice, press and hold it, then connect the USB cable of the light gun, wait 5 seconds and release the button. To switch the reload button to another button, disconnect the USB cable, press and hold the button of your choice, connect the USB cable, hold for 5 seconds and release the button. (Pic6)



Pic6

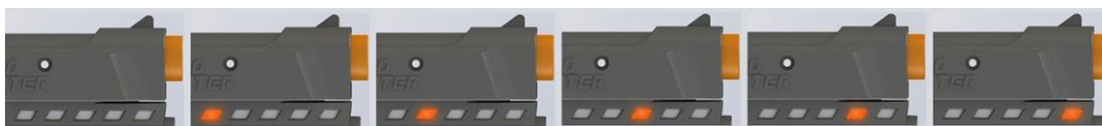
There are 5 LEDs on each side of the light gun. Press the trigger and it moves once. It has 4 display modes. The first is the default display type1. Press and hold the middle button of the joystick for 3 seconds, it will switch to the second LED display type2, do it again to change to LED display type3... and again for display type4. When you have changed the LED display type, the state will be saved, and the next time you turn on the light gun power, it will continue to use this type. To turn off the LEDs, please hold the middle button for 6 seconds!



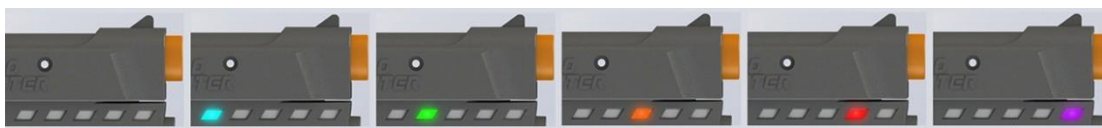
Type1



Type2



Type3



Type4

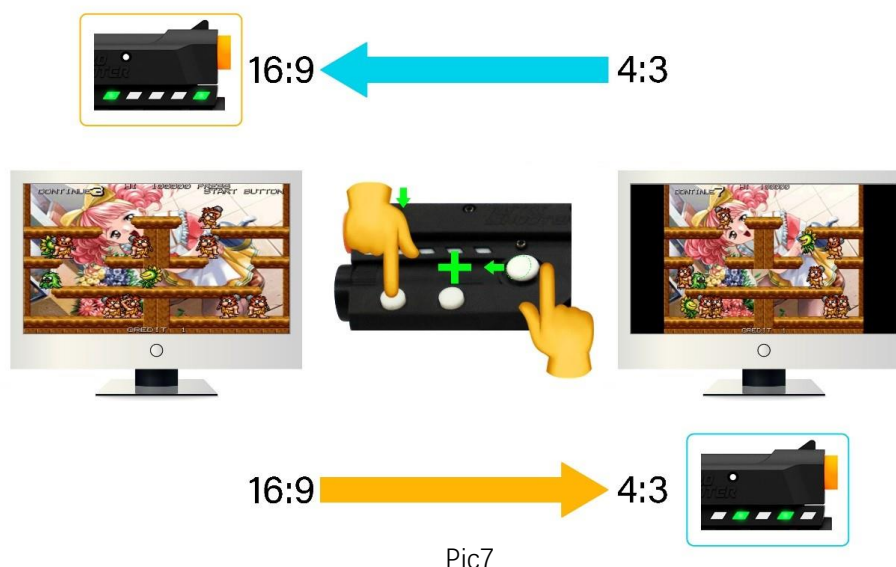
5.4

RS3 Reaper matches 4:3/16:9 screen to play games

RS3 Reaper light gun only needs to do crosshair setting on 16:9 screen, no need to do Crosshair setting on 4:3 screen.

If you want to use the light gun to play the game on a 4:3 screen, but display it on a 16:9 screen with a black background on the left and right sides, please press and hold the start button, then move the joystick to the left, wait for 3 seconds, then LED2 and LED4 will light up green, you have successfully switched the light gun to match the 4:3 screen to play games. (Pic7)

Switch back to 16:9 screen to play games, please do the same operation, then LED1 and LED5 will light up green, you have successfully switched the light gun to match the 16:9 screen to play games.



5.5

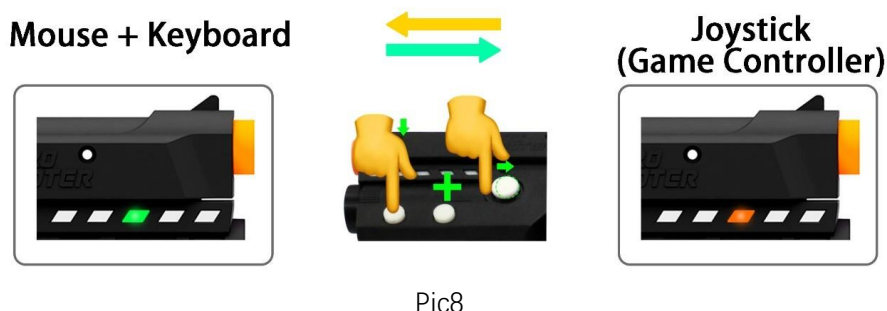
RS3 Reaper switches mouse + keyboard to joystick (Game controller)

RS3 Reaper added a joystick device. When you plug the USB cable into the PC, it will recognize three devices in the PC: mouse/keyboard/game controller, but these three devices are not input to the PC at the same time. The default is mouse + keyboard input to the PC. You need to switch it to become a game controller input to the PC.

Switching operation:

Press and hold start button, then move joystick to the right and wait for 3 seconds, then LED3 lights up yellow, the light gun successfully switches to game controller input to PC. (Pic8)

Same operation again will switch game controller back to mouse + keyboard, then LED3 lights up green



6 RS3 Reaper external control com command list

RS3 Reaper controlled by game or com commands. Send "ZS" to enter external control mode and start command control. (Before sending a command, please check the serial port com number of the light gun in the console and match the serial port com number to send the command). RS3 Reaper command list please check below!

6.1

When the game prompts to reload, the game sends a "Z0" command to the light gun, and the barrel will slide back and stay there. (Pic9) --- "Z0" in command list.

6.2

When the barrel will slide back and stay, the player makes a reload, the game sends the command "Z6", and the barrel slides back to the standard position. --- "Z6" in command list.



But if the player does not reload, or the game does not send a reload command within 10 seconds, it will auto return to the standard position. It is a protective measure to prevent the solenoid from overheating and causing solenoid damage.

6.3

RS3 Reaper has 5 LEDs on both sides. If it is controlled by game or com commands, reload once and all 5 LEDs will light up orange. When there are 4 bullets left, the front LED turns red. Red means one bullet is reduced. All 5 LEDs turn red, indicating that it needs to be reload again. --- "Z1~Z5" of command list.

6.4

Send the "ZZ" command to make the rumble motor rotate. This command can be sent when being attacked in the game. --- "ZZ" of command list.

6.5

Send the "ZW" command to set the light gun to play the game on 16:9 full screen --- "ZW" of command list.

Send the "ZN" command to make the light gun play the game on a 4:3 screen, but display it on a 16:9 screen with a black background on the left and right sides. --- "ZN" of command list.

6.6

Send the "ZJ" command to switch the light gun to become a game controller --- "ZJ" of command list.

6.7

Send "ZM" command to switch light gun to mouse + keyboard --- "ZM" of command list.

6.8

Send the 'ZA' command enables the offscreen reload function (pointing the light gun at the bottom of the screen will auto send a reload signal to the game) --- "ZA" of command list. Send the 'ZB' command disables the offscreen reload function --- "ZB" of command list.

When the light gun moves offscreen in any direction, it sends X=0, Y=0 coordinates to the game. This requires the game or software to have offscreen enabled and be able to receive these coordinates. This is a default function.

6.9

Send "ZR" exits control LED no longer matches bullets, "ZX" exits external control mode, com command no longer controls light gun, light gun returns to self-control mode.



Pic9

► Command list:

Format:115200,8,1,n

Host->gun (2 characters per command)

The physical limit of this gun is to rumble 8 to 12 times per second and wait at least 83 milliseconds after sending a command before sending the next one.

When sending the Z0 command, it is only sent after a delay of 110 milliseconds.

- 'ID' Query the gun number and return "id=1" or "id=2" or "id=3" or "id=4"
- 'ZS' Enter external control mode
- 'Z0' No bullets need to reload, (if no any command is received after 10 seconds)
- 'Z1' Slides and recoil once 1 orange LED 4 red LED
- 'Z2' Slides and recoil once 2 orange LED 3 red LED
- 'Z3' Slides and recoil once 3 orange LED 2 red LED
- 'Z4' Slides and recoil once 4 orange LED 1 red LED
- 'Z5' Slides and recoil once 5 orange LED
- 'Z6' Slide return, 5 orange LED
- 'ZZ' Rumble motor rotates once

- 'ZW' 16:9 screen mode
- 'ZN' 4:3 screen mode

- 'ZJ' Joystick mode
- 'ZM' Mouse + keyboard mode

- 'ZA' Enable offscreen reload function
- 'ZB' Disable offscreen reload function

- 'ZR' LED auto control mode
- 'ZX' Exit external control mode and enable Light gun self-control mode

7 Attention

7.1

RS3 Reaper is recognized as mouse & keyboard & joystick (Game controller) device, they do not need to setup any software drivers, plug and play.

7.2

RS3 Reaper can be recognized in any emulator, in emulator, use light gun's mouse to map light gun's X and Y, also use light gun's keyboard number 1 map game start, keyboard number 5 map as game insert coin....

7.3

The Reload button on the RS3 Reaper is the Reload function, and the pedal is also the Reload function..

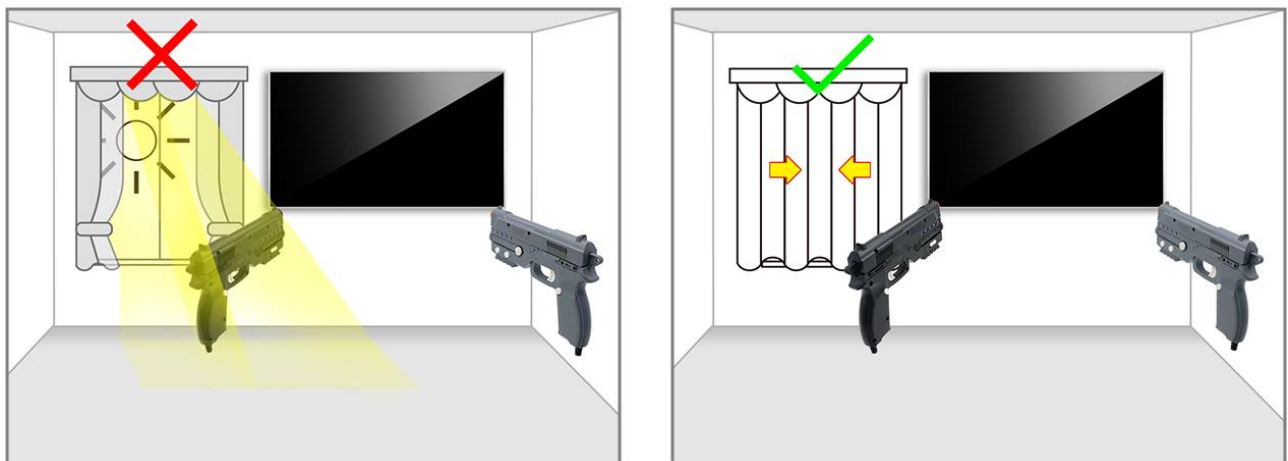
7.4

RS3 Reaper Light gun recoil use 24V power, 1pcs RS3 Reaper requires about 1.5A-2A current, 2pcs use total 3A-4A, it is recommended to use 24V/3A power adapter.

7.5

When you use a RS3 Reaper light gun, 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 light gun camera and affect the shooting accuracy! (Pic10)



Pic10