Product specification

Products name said：Bluetooth gamepad for PS4

Product model： A214E4E

Page number： Eight pages

Version of this ： V1.0

Product modification record

Orders to record

1. Introduction to the

A214E is a DualShock 4 bluetooth handle case applied to the PS4 ,with the new motion sensing technology and three-axis gyroscopes.And they can detect accelerators the dynamic information of Roll（tilt）、Pitch（Pitch）、Yaw（Turn around）Omni-directional .In addition to catch the sense of the tilt angle of the gamepad accurately, it can also capture the acceleration of three-dimensional space X, Y, Z and 3 axis the information of acceleration ，and send all the information to the game system quickly.By using DualShock 4 , the player can completely use this new G-Tilt technology to implement the special operations in game.DualShock 4 also added new features including.a double-point capacitive touch pad that can be pressed.DualShock 4 is also the first to support Windows PCS. A214E has several output connection ports.The 3.5mm TRRS stereo socket connects the headset to the microphone,and it allows the user to receive and transmit audio simultaneously.The controller also has one Micro-USB connection port, one extended connection port, and one single channel speaker. The controller can be charged through the mirco-usb or exclusive rechargeable seat.

A214E is also loaded with colorful light bars. Different colors can be used to represent different players and show some important messages (e.g., the reduced of the HP of character, etc.)。 In addition, the light bar can interact with the PlayStation Camera for judging the motion and distance of the controller.

2、The characteristics of

The standard buttons ：PS, Share, Option, ↑, ↓, ←, →, ╳, ○,□, △,L1,L2,L3, R1,R2,R3 ,VRL,VRR,RESET.

Support any software version of the PS4 host.

Bluetooth 2.1+EDR and host link.

Over 10M connection range

Equipped with 3D acceleration sensor and gyroscope sensor function,and all composes to the six-axis sensor function.

Equipped with RGB LED color channel instructions.

The restored is the same with the original.

Supported USB lithium battery charging.

Supported EXT expansion interface charging.

Supported 3.5mm TRRS stereo socket for connecting headphones and microphones.

Equipped wit speaker independent output.

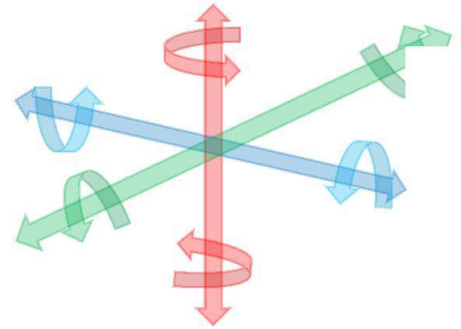Supported dual-point capacitive inductive touch panel.

Two motors vibration.

PS4 function (same with the original function, you can work on the PC, Windows10 and Android5.0 or above)

Wide operating voltage range, low sleep current.

This program supports PC USB online upgrade product program to support the latest upgrade system of PS4 host. There is no problem that the product cannot be used due to the host upgrade system.

This program supports PC online upgrade by USB for avoiding the problem of no working after the PS4 host update

3、Product features

3.1 PS4 platform function

3.1.1 The six-axis sensor would be shown in the below.

3.1.2 S i x a x i s s e n s o r b a s i c d e s c r i p t i o n：

X axis: the acceleration motion of the X-axis (X+/X- direction motion) is: left, right, right, left; The game that embodies the function has "NBA07 basketball"

Y-axis: the acceleration of the Y-axis (Y+/Y-direction motion), the action is: forward, backward, and forward; The games that embody the function has NBA07 basketball.

Z axis: the acceleration motion of Z axis (Z+/Z-direction motion), the action is: up, down, down and up; The game that embodies the function has "NBA07 basketball"

Roll axis (left and right oblique) : the center axis of the Y-axis is inclined, and the action is: horizontal to left, horizontal to right; There are "BLAZING ANG" aircraft, "TONY HAWK's skateboard", "GENJI shenwei" and "RIDGE RACER".

Pitch axis (forward and backward) : rotation before and after the center axis of the X axis, the action is: horizontal to forward, horizontal and backward. The games that reflect the function are "BLAZING ANG", "TONYHAWK's skateboard" and "GENJI shenwei".

Yaw axis: (left and right rotation) : rotate the axis around the Z axis, and the movement is: horizontal to left rotation, horizontal to right rotation. The games that reflect the function are "NBA07 basketball" and "TONY HAWK's skateboard".

3.2 The handle is Standard-PS4 working mode:

3.2.1 All function can be used on PS4 in any game, including basic digital and analog buttons, six axis sensor and LED color display function,and it also support the vibration function specific in some game at the same time; On Windows 10 PC, there will be a virtual 6 axis 14 key + visual helmet, which will not be able to perform any operation at this time. 6 axis 16KEY 1POV is the default interface in Windows 10 system:

3.3 Sensor calibration

In the PCBA test, the SENSOR calibration has been completed automatically, and the subsequent production does not need to be checked again.

3.4 color LED instruction.

Gamepad would go to sleep state without the connection of PS4 after 30s of the search pattern; Gamepad would go to sleep state without any handle is to sleep, about 10 minutes in the attachment condition without any action after 10min in connection state; When it's in sleeping, pressing PS to wake up the handle. When it is powered off, it will be displayed by breathing lamp and the color are random. After fully charged the lights will be extinguished.

3.5 bluetooth online mode:

3.5.1 when the gamepad connects to the PS4 hostis in the first time or it has been connected with other hosts, it is necessary to connect with the PS4 host first by a USB cable. During the communication process, the program automatically performs the pair code, and then the wireless communication can be carried out to using bluetooth.

When connecting to USB, press the PS button. If the LED light is on in one color,just in connection state. Different gamepads connect one host would show in different colors.

3.5.2 In general, PS4 host only supports 7 bluetooth devices, and the total number of both bluetooth and wired controllers are 7.

3.6 Standard PS4 corresponding to PC key.

PS4 and PC key comparison table.

PS4	□	X	O	△	L1	R1	L2	R2	SHARE	OPTION	L3	R3	PS	T-PAD
PC	1	2	3	4	5	6	7	8	9	10	11	12	13	14

4. Electrical parameters
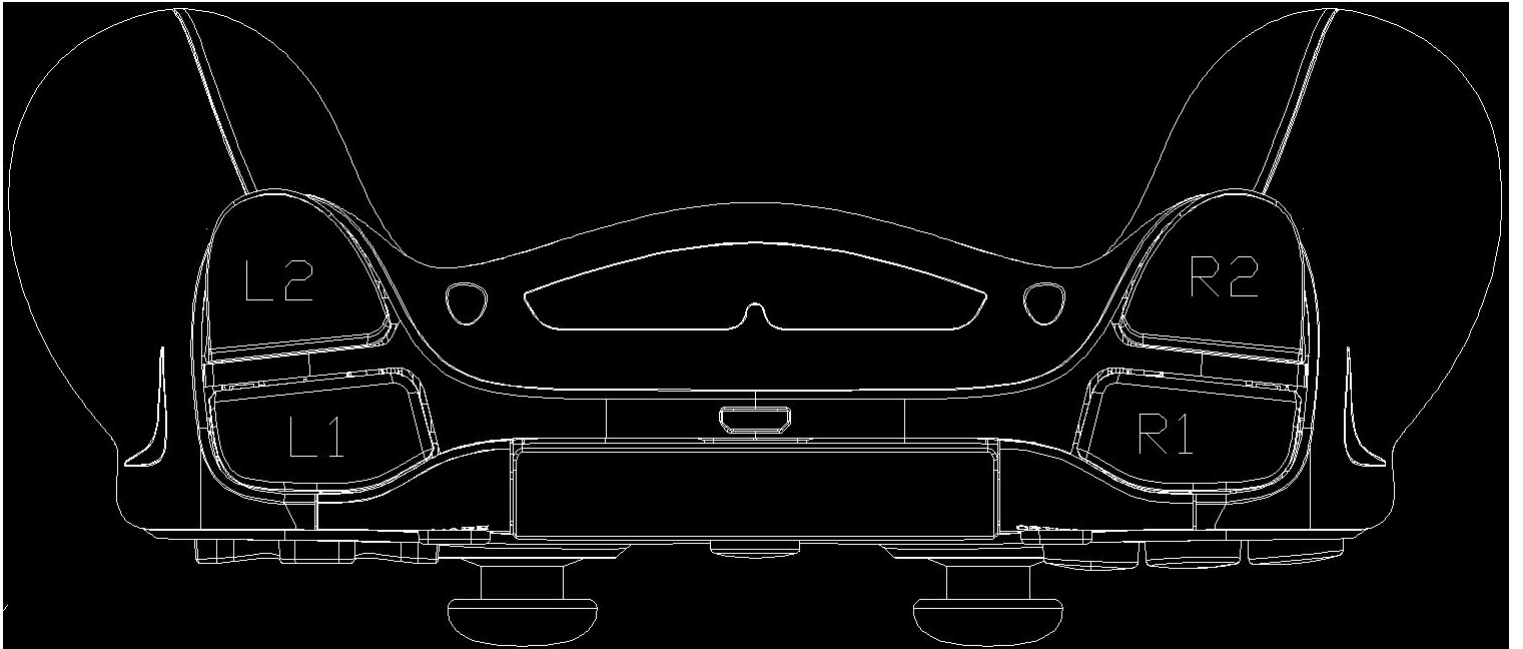
1) A214E electrical parameters.

(all voltage reference GND, environmental temperature is 25)

parameter	symbol	A piece of	The minimum value	Typical values	The maximum	unit
Working voltage	Vo	The whole machine	3.6		4.5	V
Working current	lo	The whole machine		150		mA
Sleep current	Isp	The whole machine		15		uA
The motor current	im	The size of the			100	mA

2) A214E limit rating.

(all voltage reference GND, environmental temperature is 25)

And the number	Operator	rating	unit
The input voltage	USB_V IN	5	V
Input current	USB_V IN	1000	mA
Operating temperature range	T J	0-40	℃
Storage temperature	T STG	-20-85	℃

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
    Reorient or relocate the receiving antenna.
    Increase the separation between the equipment and receiver.
    Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
    Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.