



nacon



REVOLUTION UNLIMITED

P R O C O N T R O L L E R

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NACON™. “REVOLUTION UNLIMITED Pro Controller” is a product distributed by Nacon.

Complies with
IMDA Standards
DB102988

BB4462 SLEH-00552
PS4 Revolution Unlimited Pro Controller
Input/Entrée DC 5V == 500mA
BIGBEN 396, Rue de la Voieverte CR72
FR-91140 FRETIN CS 90414-00114 LESQUIN Cedex-France
Fabricato in Cina / Made in China



Thank you for purchasing the NACON REVOLUTION Unlimited Pro Controller

This product has been designed to enhance your video gaming experience. Please keep this instruction manual for future reference.

Warranty

This product, bearing the NACON trademark, is guaranteed by the manufacturer for a period of 2 years from the date of purchase, and will, during this period be replaced with the same or a similar model, at our option, free of charge, if there is a defect due to faulty material, or workmanship.

For any warranty request or claim, please keep your proof of purchase for the duration of the warranty. Without this document, we will not be able to process your request. The original packaging must be kept for all distance purchases (mail order & Internet).

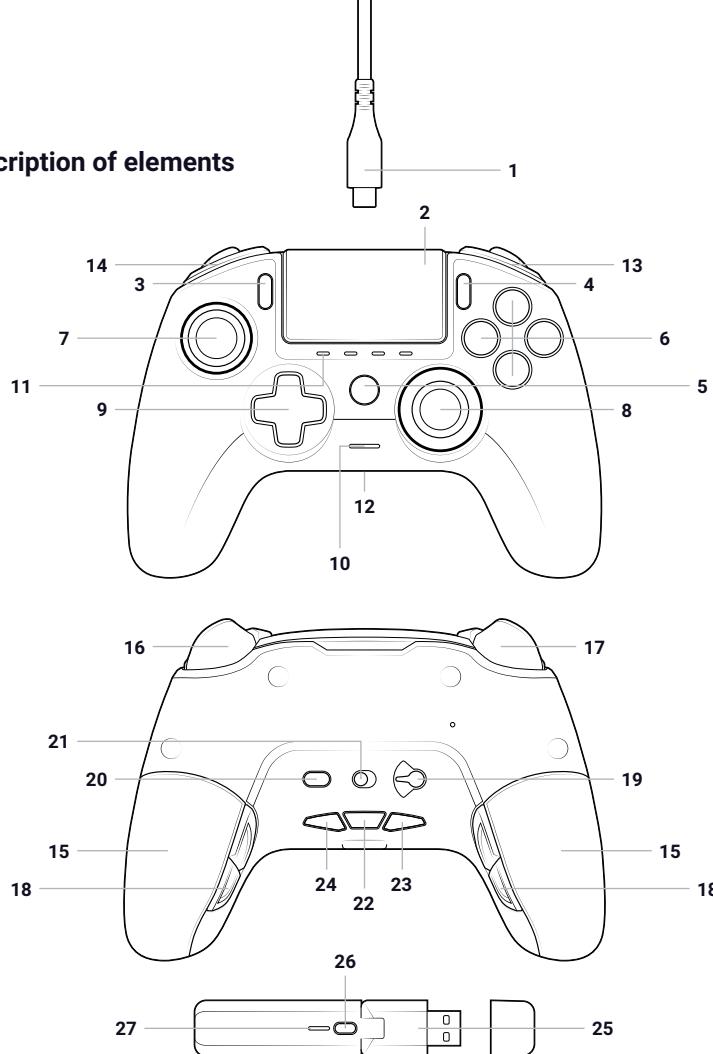
This guarantee does not cover defects arising from accidental damage, misuse or wear and tear. This guarantee does not cover the loss of the parts (dongle / cable / stick heads / stick shafts / weights / storage case). This does not affect your statutory rights.

To access the declaration of conformity, please visit:
www.nacongaming.com/support/

Content

- 1 x REVOLUTION Unlimited Pro Controller
- 1 x 3m connection cable
- 1 x instruction manual
- 2 x 10g weights
- 2 x 14g weights
- 2 x 16g weights
- 1 x USB Bluetooth® receiver
- 2 x extra convex stick heads
- 1 x set of metal shafts (30°)
- 1 x set of metal shafts (38°)
- 1 x set of metal shafts (46°) - already fitted on the controller
- 1 x storage case
- 1 x cleaning cloth

1 Description of elements



1/ 3m Braided cable with USB-A to USB-C connector	11/ 4x Profile LEDs / Microphone, Mute and Battery level indicator	20/ Profile selection button
2/ Touch pad	12/ Headset connector (3.5mm jack)	21/ Communication Mode
3/ SHARE button	13/ R1 Shoulder button	1. Wired
4/ OPTIONS button	14/ L1 Shoulder button	2. Wireless
5/ PS button	15/ 2x Weight compartments	22/ Microphone mute button/ Battery level (hold)
6/ Action buttons	16/ R2 Analogue trigger	23/ Volume DOWN
7/ Left stick with L3 button and 46° of amplitude	17/ L2 Analogue trigger	24/ Volume UP
8/ Right stick with R3 button and 46° of amplitude	18/ Rear shortcut buttons S1/S2/S3/S4	25/ USB Plug & Play Wireless receiver
9/ Directional pad	19/ Mode selection:	26/ Sync button
10/ LED player status indicator	1. PS4™ Normal mode	27/ Sync LED
	2. PS4™ Advanced Mode	
	3. PC Advanced Mode*	

Features

The REVOLUTION Unlimited Pro controller can be used in wired and wireless modes (see section 1).

This controller has 3 x modes:

Mode 1 = PS4™ Normal Mode (see section 2).

Mode 2 = PS4™ Advanced Mode (see section 3).

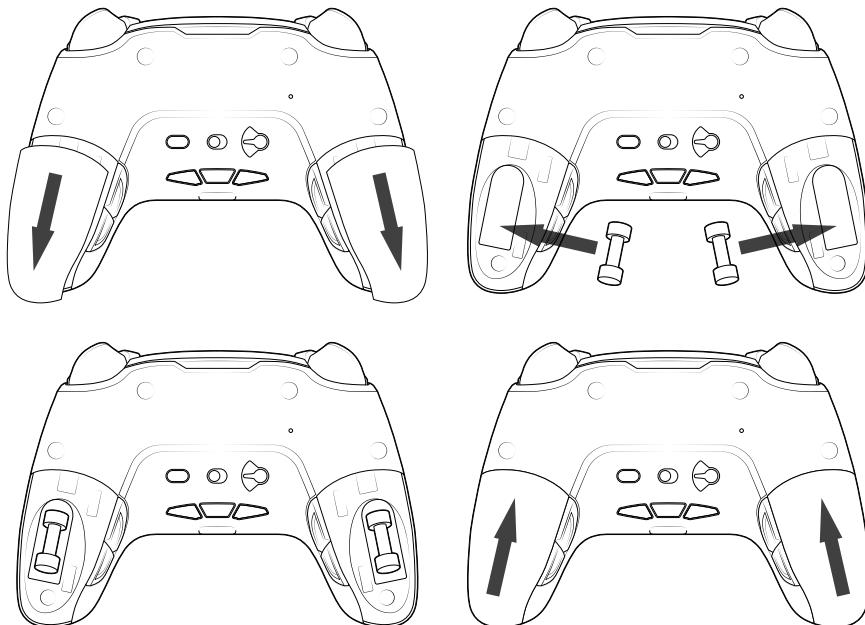
Mode 3 = PC Advanced Mode* (see section 4).

Built-in 1300mAh Li-Polymer rechargeable battery.

Weight management

To modify the weight of your controller you need to:

1. Carefully slide down the weight compartment to open it.
2. Insert the weight as desired.
3. Carefully slide up the weight compartment to close it.



1/ How to use the REVOLUTION Unlimited Pro Controller

You have the choice to use the controller in wired mode (via the cable provided), or wirelessly via the USB Bluetooth® receiver.

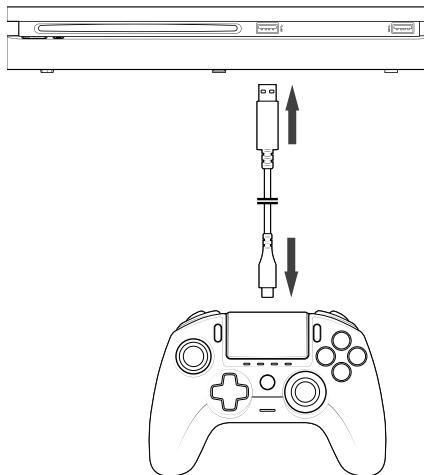
Note: do not touch the sticks or triggers when you connect your controller to any PS4™ system.

a. Wired communication

Ensure that the wired mode is selected on the 'Communication Mode' switch, located on the underside of the controller ('wired' mode is on the left and 'wireless' mode on the right):

- Connect the cable to the back of the controller and ensure it is securely fastened.
- Plug the cable connector into a free USB port on your PS4™ system, ensuring that you do not touch the sticks or triggers.
- Press the PS button. The LED player status indicator will light up. Please note the player status indicator can react to in-game action, if supported by the software.
- You are now ready to play.
- The controller will power off as soon as it is disconnected from the cable or PS4™ system.

Note: in the wired mode, the communication of the controller is only made through the USB cable.



NOTES:

- The 'Mode Selection' switch on the back determines if the controller is working in PS4™ Normal Mode (Position 1) or PS4™ Advanced Mode (Position 2).
- The PC Advanced Mode (Position 3) allows to switch your controller into the X-Input Mode for PC* use.

b. Wireless communication

Ensure that the wireless communication mode is selected and follow these steps:

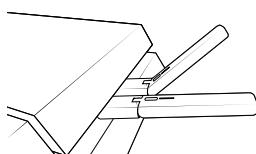
- Connect the USB Bluetooth® receiver into a free USB port on PS4™ system.
- The receiver LED will flash to show that it is searching for a controller.
- Press the PS button on your controller. The LED player status indicator will light up. Please note the player status indicator can react to in-game action, if supported by the software.
- The receiver LED will stop flashing when connected to the controller and will display the same colour as the LED player status indicator on the controller.
- You are now ready to play.

I Multi player mode

When playing with 2 controllers there can be some interference between them.

If you experience some problems, during your gaming session, we recommend you to check these different points:

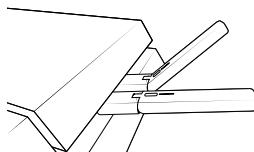
- Ensure that you are at least 60 cm apart from the next player.
- Ensure than you are not too far away from your wireless receiver. We recommend you to be at less than 5 meters for your multi player session.
- Ensure than the antenna of each wireless receiver is angled in a different direction.



Note: In rare situations the signal can affect, or be affected by, other wireless devices such as WiFi routers, WiFi repeaters or other Bluetooth products.

NOTES:

- If the controller is not connecting, to the USB Bluetooth® receiver, you may have to synchronise the controller to the receiver. The process is:
 - ensure that the controller is OFF or turn it OFF,
 - press and hold 'Share' + 'PS' buttons, on your controller, until the LED player status indicator starts to flash,
 - press the SYNC button on the USB Bluetooth® receiver (the sync LED will flash).
- If you are connecting a 2nd controller, to a free USB socket, then connect 1x controller and 1x USB Bluetooth® receiver first followed by the 2nd.
- To switch off your controller, press and hold the 'PS' button, for 6 seconds, until the controller powers OFF.
- When switching from Wireless mode to Wired mode you will see the on-screen message: 'Controller was disconnected'. Press the 'PS' button to re-connect.
- If, during gameplay, you experience any latency or deactivation then please adjust your USB receivers in the way shown below:



- The 'Mode Selection' switch on the back determines if the controller is working in PS4™ Normal Mode (Position 1) or PS4™ Advanced Mode (Position 2).
- The PC Advanced Mode (Position 3) allows you to switch your controller into the X-Input Mode for PC* use.

c. How to charge your controller

Your controller will charge the internal battery, in the following ways:

- 1/ When connected to the PS4™ system as a wired controller
- 2/ When being used as a wireless controller and the cable is connected to the PS4™ system. In this option the internal battery will 'trickle' charge as the battery is still being used to power the controller;
- 3/ When connected to the PS4™ system, with the cable, as a wired or wireless controller but the controller is in 'Sleep' mode or 'Powered' off.

To check the battery level, in any mode simply press and hold the 'Mic mute' button on the underside of the controller (for more than 1 second). The profile LEDs will then light up, as described above. You can now release the mic mute button.

*PC Advanced Mode not tested nor endorsed by Sony Interactive Entertainment Europe.

The profile LEDs will show you the battery level as below :

- 75% < Battery level ≤ 100%: 4 profile LEDs are ON
- 50% < Battery level ≤ 75%: 3 profile LEDs are ON (1st, 2nd and 3rd LEDs)
- 25% < Battery level ≤ 50%: 2 profile LEDs are ON (1st and 2nd LEDs)
- 10% < Battery level ≤ 25%: 1 profile LED is ON (1st LED)
- Battery level ≤ 10%: selected profile LED is flashing permanently

To preserve battery life please Power Off your controller after use. To do this press the 'PS' button until the Player LED turns off. To wake up the controller press the 'PS' button.

To preserve battery integrity, we recommend that you always re-charge when the LED is RED or is flashing RED.

Note: ensure that your USB ports, of your PS4™ system, are still activated even when the system is in sleep mode. This way you can charge the controller.

d. How to use the headset controls of your controller?

On the underside of your controller you have 3x buttons that will function when a headset is connected to the controller:

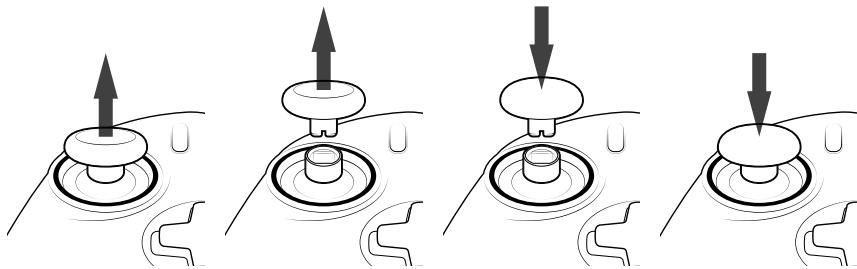
- Volume UP: increase the sound volume of your headset.
- MUTE: Press to switch on the microphone mute. The profile LEDs will turn Red to show that the Mute is activated. Press the Mute button again to switch off the Mute feature.
- Volume DOWN: decrease the sound volume of your headset.

e. How to change the Joystick heads?

You have the possibility to change your joystick head and choose a concave or a convex shape. Take care when removing and replacing the joystick heads. Do not use too much force or they could become damaged.

To change the joystick head, you must:

- Remove the joystick head by **pulling on it gently**;
- Select your desired joystick head;
- Check the underside of the joystick head and match the shape with the shape in the top of the shaft. Press gently until you feel the joystick head 'click' in to position.

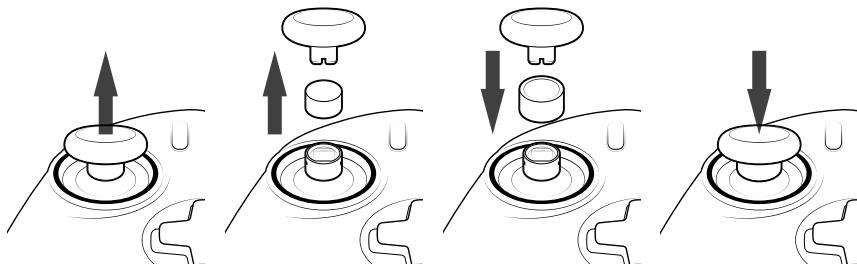


Now you are able to use your controller with the new joystick head.

f. How to change the joystick shaft?

Changing the shaft on your left or right joystick allows you to get a more reactive or precise response on certain games. To change the joystick shaft, you must:

- Remove the joystick head by **pulling on it gently**;
- Remove the joystick shaft by pulling it;
- Put the desired joystick shaft in place;
- Fit the underside of the joystick head and match the shape with the shape in the top of the shaft. Press gently until you feel the joystick head 'click' in to position.



2/ Mode 1: PS4™ Normal mode

PS4™ Normal mode is selected by moving the 'Mode' switch to position 1.

| In this mode the controller supports the following features:

- Motion sensors
- Touch pad
- Dual vibrations
- 3.5mm headset jack
- PS, SHARE and OPTIONS buttons
- L1 and R1 shoulder buttons
- L2 and R2 analogue triggers
- Left stick with L3 button
- Right stick with R3 button
- 8-way directional pad
- Action buttons
- Shortcut buttons

| Shortcut buttons

You can remap any button (excluding PS, SHARE, OPTIONS and touch pad buttons) to the shortcut buttons as follows:

- Press and hold the Profile button for 3 seconds. The Blue halo around the right stick will pulse
- Press on the shortcut button you want to assign. The corresponding LED will turn ON. LED1 for S1 / LED2 for S2 / LED3 for S3 / LED4 for S4
- Then press on the button that you want to assign to the Shortcut button. The LED will flash 3 times to confirm the mapping is successful
- Press and hold the Profile button for 3 seconds to confirm and quit the remapping function

NOTE: The REVOLUTION Unlimited Pro Controller does not feature a built-in speaker or light bar.

3/ Mode 2: PS4™ Advanced Mode (via PC/Mac companion app)

PS4™ Advanced mode is selected by moving the 'Mode' switch to the position 2.

In this mode, in addition to supporting all the PS4™ Normal Mode features you can also personalise your settings. To do so you will need to download, and install, the PC / Mac companion app, which is compatible with Windows®7/8/10, macOS X 10.11 (El Capitan), macOS 10.12 (Sierra), macOS 10.13 (High Sierra) and macOS 10.14 (Mojave) operating systems. It can be downloaded at the following link: uk.nacongaming.com

Once you have downloaded the companion app and launched it, follow the onscreen instructions for the installation (registration required to download the software).

I After installing the PC / Mac companion app you will be able to do the following:

- Adjust the settings of the left and right sticks
- Reverse Y-axis of the sticks
- Select 4 or 8 way movement of the directional pad
- Re-map all buttons (excluding PS, SHARE, OPTIONS and touch pad buttons)
- Map buttons to the 4 x shortcut buttons
- Create and load up to 4 x custom profiles onto your controller, then switch between them during game play
- Adjust the dead-band on the L2 and R2 triggers
- Independently adjust the vibration intensity on the left and right-hand grips
- Adjust the backlight around the right stick



4/ Mode 3: PC Advanced Mode* (via PC/Mac companion app)

PC Advanced Mode is selected by moving the 'Mode' switch to position 3.

In this mode you can use your controller to play PC games. To do so you will need to download, and install, the PC / Mac companion app, which is compatible with Windows®7/8/10, macOS X 10.11 (El Capitan), macOS 10.12 (Sierra), macOS 10.13 (High Sierra) and macOS 10.14 (Mojave) operating systems. It can be downloaded at the following link: uk.nacongaming.com

Once you have downloaded the companion app and launched it, follow the onscreen instructions for the installation (registration required to download the software).

I After installing the PC / Mac companion app you will be able to do the following:

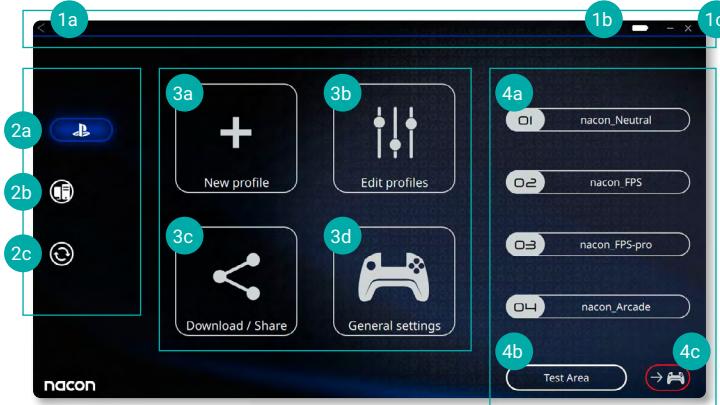
- Adjust the settings of the left and right sticks
- Reverse Y-axis of the sticks
- Re-map all buttons (excluding PS, SHARE, OPTIONS and touch pad buttons)
- Map buttons to the 4x shortcut buttons
- Select 4 or 8 way movement of the directional pad
- Create and load up to 4 x custom profiles onto your controller, then switch between them during game play
- Adjust the dead-band on the L2 and R2 triggers
- Independently adjust the vibration intensity on the left and right hand grips
- Adjust the backlight around the right stick



*PC Advanced Mode not tested nor endorsed by Sony Interactive Entertainment Europe.

5/ PC / MAC companion app*

To access all the features of the 'Advanced mode' you will require the PC / Mac companion app*.



The main screen of the companion app will allow you to switch between the different settings.

1. Menu bar

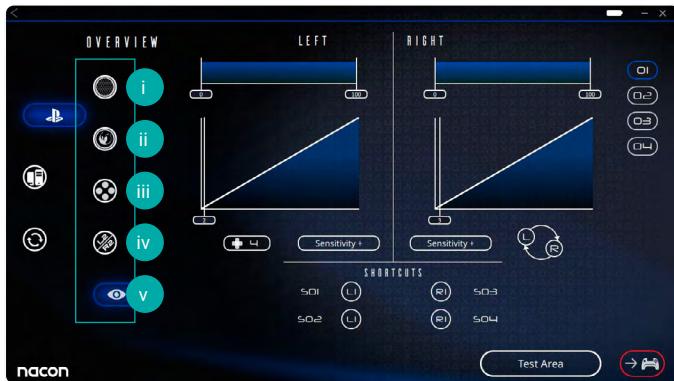
- a. Return to the main menu
- b. Battery level indication
- c. Minimise or close the companion app

2. Settings mode

- a. PS4™ Advanced Mode: modify the profiles for the PS4™ Advanced Mode
- b. PC Mode: modify the profiles for the PC Advanced Mode
- c. Firmware, software and dongle updates: advises if a new firmware or software update is available

3. Functions

- a. New profile: create a new profile and to select its position in the controller
- b. Edit profiles: modify the setups of your controller
 - i. **Left stick:** change the response curve and the dead zone of the left stick, possibility to reverse the Y-axis
 - ii. **Right stick:** change the response curve and the dead zone of the right stick, possibility to reverse the Y-axis
 - iii. **Mapping:** define the mapping button of your controller and select 4 or 8 way movement of the directional pad
 - iv. **Trigger:** define the reactivity of the L2 and R2 triggers
 - v. **Overview:** show an overview of the selected profile



- c. **Download / Share:** download NACON profiles or access to the community website
- d. **General settings:** modify the vibration level and the light effect around the right stick

4. Controller profiles

- a. **Profiles:** Displays the name of the profile stored in the controller for the current mode. You have the possibility to modify them directly or to download another profile stored on your computer
- b. **Test Area:** displays a screen to test the settings of the profile selected on the controller
- c. **Activate profiles:** send the charged profiles to the controller

I NOTE: The controller comes with 4x pre-loaded custom profiles to suit a range of games:

1. Neutral (sticks like Normal Mode, L1/R1 & L2/R2 mapped to back buttons)
2. FPS (right stick more responsive)
3. FPS Pro (right stick highly responsive)
4. Arcade (immediate stick response)

Recycling



This product should not be disposed of in normal household rubbish. Please take it to a nominated collection point.
Recycling is important and will help to protect our environment from reduced landfill waste. EU and Turkey only.

⎓ direct current

Information on the emission power of the product:

- a. Frequency range - (2402~2480) GHz
- b. EIRP -> controller 8.23dBm, dongle 8.89dBm

Important Safeguards & Precautions

- 1/ This controller is for indoor use only. Never expose to direct sunlight or wet weather conditions.
- 2/ Do not expose the controller to splashing, dripping, rain or moisture. Do not immerse in liquid.
- 3/ Do not expose to dust, high humidity, high temperatures or mechanical shock.
- 4/ Do not use if the equipment is damaged.
- 5/ For external cleaning, use a soft, clean, damp cloth only. Use of detergents may damage the finish and leak inside.
- 6/ Never carry the product by its cable.
- 7/ This device is not designed to be used by anyone (including children) with impaired physical, sensory or mental capacity, or by anyone without appropriate experience or knowledge unless they have received prior guidance or instructions related to the use of this device from someone who is responsible for their safety. Do not leave the REVOLUTION Unlimited Pro Controller unattended, keep this device out of the reach of children.

Ergonomics

Holding your hand in the same position for a long period of time can lead to aching and pain. If this occurs repeatedly please consult your doctor. As a preventive measure, we recommend that you take a 15-minute break every hour.

Technical Helpline Information

Email: support@nacongaming.com

Website: uk.nacongaming.com

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Statement for Class B digital device as below

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 dongle.
- Connect the equipment into an outlet on a circuit different from that to which the dongle is connected.
- Consult the dealer or an experienced radio / TV technician for help.

This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must be installed and operated to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter. Installers must ensure that 20cm separation distance will be maintained between the device (excluding its handset) and users.

IC Radiation Exposure Statement

This equipment complies with Canada radiation exposure limits set forth for uncontrolled environments.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device..

This equipment complies with Canada radiation exposure limits set forth for uncontrolled environments. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



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