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Click the title of a specific chapter on the Contents to jump to it

*Reading software such as Adobe Reader is needed to support the functions above.

ZHIYUN-EN-v1.00

ZHIYUN CINEPEER CG300 COB Light

User Guide

Contents

□ 产品简介

产品简介 1

□ 产品清单

产品清单 2

□ 认识智云写趣 CG300 COB 影视灯 (以下简称 “灯体”)

认识智云写趣 CG300 COB 影视灯 (以下简称“灯体”) 3

□ 供电说明

供电说明 4

□ 附件安装

安装和拆卸灯罩 5
灯架安装 6

□ 智云写趣 CG300 COB 影视灯的使用

按键和旋钮说明 7
操作说明 8
开机模式说明 10

□ 固件升级

□ 参数说明

□ 免责声明与警告

阅读提示 15
安全操作说明 15

保修卡

质保期限说明 · 16
质保不包括 · 16
为获得智云（ZHIYUN）质保服务，请按下列步骤操作 · · · · · 16

联络卡

Brief Introduction

ZHIYUN CINEPEER CG300 COB Light is a high-power, high-illumination, portable fill light that supports brightness/color temperature adjustment functions. The light is small in size but performs excellently. It comes with an industry-standard Bowens mount, has excellent accessory compatibility, and meets the lighting needs of video recording, live interviews, still photography, and other shooting scenarios. The product has the following features:

1. Lightweight, portable, simple and easy to operate, with excellent performance
2. Easy adjustment of brightness/color temperature, suitable for a wide range of applications.
3. High color rendering performance, accurately restoring object colors.
4. Supports Bluetooth mesh networking and remote dimming through an app, improving lighting efficiency and convenience.
5. Comes with a standard Bowens mount, compatible with various modifiers.
6. 自带多种特效，轻松营造专业的灯光效果。
7. Built with DynaVort Cooling System ™ to excellently dissipate heat.
8. Comes with a bracket that can adjust directions and can be installed on a light stand.

⚠ **WARNING**

⚠ This product is not waterproof. Prevent contact with any kind of liquid with the ZHIYUN MOLUS G300. Never use the product in the rain or a humid environment.

⚠ If water accidentally enters the device when using, please stop using it immediately and contact the company or authorized maintenance personnel for maintenance, and continue to use it only when the maintenance is finished.

⚠ Do not expose this product to corrosive chemicals, inflammable and explosive materials.

⚠ Do not touch the heating part when the product is working to avoid getting burned.

⚠ Do not wrap or block the fans to avoid cooling effect damage.

⚠ Do not turn the product directly to the eyes to avoid eyesight damage.

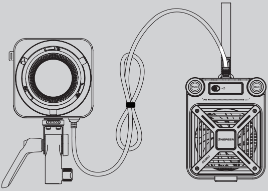
⚠ Do not expose this product to an environment above 40°C .

BE CAREFUL

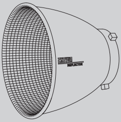
1. This product is a high-precision control device. Damage may be caused to the product if dropped or subject to external force, and this may result in malfunction.
2. Please keep your hands dry while using the product and use soft dry cloth for cleaning.
3. Keep this product out of the reach of children.
4. The included AC cable is specifically for this product and should not be used with any other devices.
5. When not using this product, please disconnect the external power supply.
6. Do not place any other items on top of this product to avoid damage to this product.
7. Protect the product from dust and sand during use.
8. Before storing this product, please make sure it is completely cooled and store it in a dry and ventilated place.
9. Do not disassemble this product on your own. In the event of malfunctions, it should be repaired by ZHIYUN or authorized maintenance personnel.

Product List

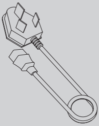
Before using this product, please check carefully that all the following items are included in the product package. In case that any item is found missing, please contact ZHIYUN or your local selling agent.


CG300
CINEPEER
MAX
MAX

ZHIYUN CINEPEER CG300 COB Light x1

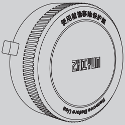

ZHIYUN
REFLECTOR

Reflector x1



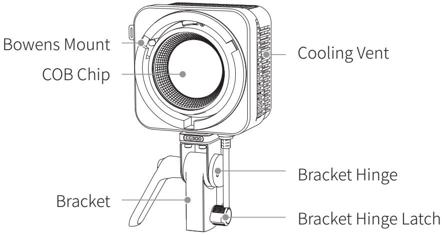
AC Power Cable x1

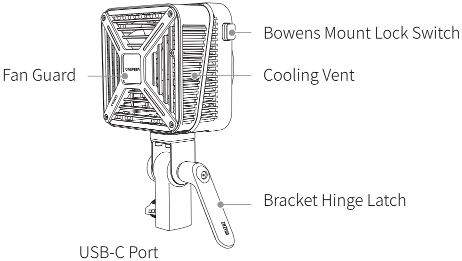
Quick Start Guide x1

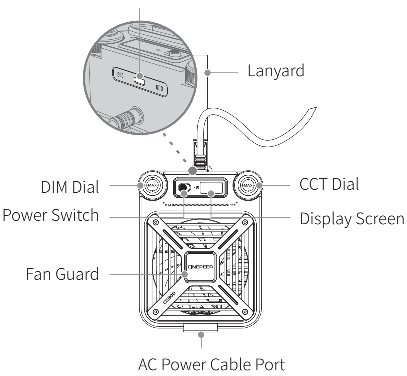

使用前请移除保护盖
ZHIYUN
Remove Before Use

COB Chip Cap x1

Get to Know ZHIYUN CINEPEER CG300

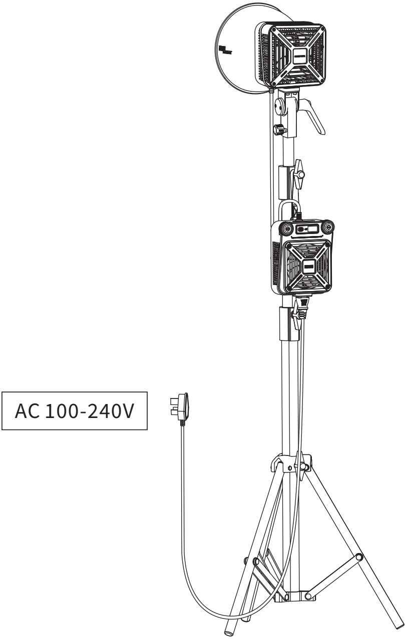

Bowens Mount
COB Chip
Cooling Vent
CG300
Bracket Hinge
Bracket
Bracket Hinge Latch


Bowens Mount Lock Switch
CINEPEER
Fan Guard
Cooling Vent
CG300
Bracket Hinge Latch
ZHIYUN


USB-C Port
Lanyard
DIM Dial
MAX
CCT Dial
MAX
DIM
CCT
Power Switch
Display Screen
CINEPEER
Fan Guard
CG300
AC Power Cable Port

Power Supply

This product does not contain batteries. To ensure normal operation, please use an AC power cable to connect the controller to a power outlet to supply power to the CG300.

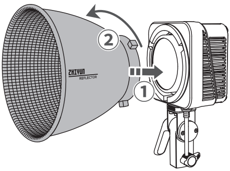


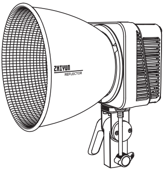
Installing/Detaching the Reflector

ZHIYUN CINEPEER CG300 is compatible with standard Bowens mount accessories,and in this case, we will use the standard reflector (Bowens mount) as an example for installation.

Installing:

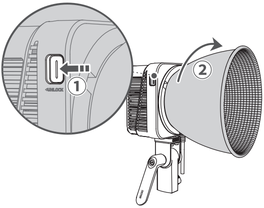
Align the mount of the standard reflector with the mount of the ZHIYUN CINEPEER CG300 , and install the standard reflector onto the light body ① . Press the standard reflector slightly into the mount of the light body, and rotate the standard reflector counterclockwise until it is locked in place and cannot be rotated ② , which means the installation is completed.

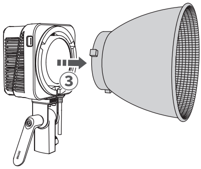




Detaching:

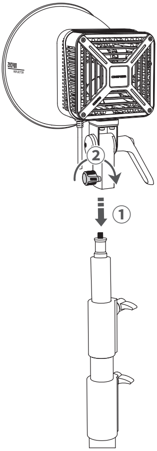
Hold down the lock switch of the Bowens mount and do not release ① . Rotate the standard reflector clockwise ② , and then remove the standard reflector from the light body ③ to complete the disassembly.

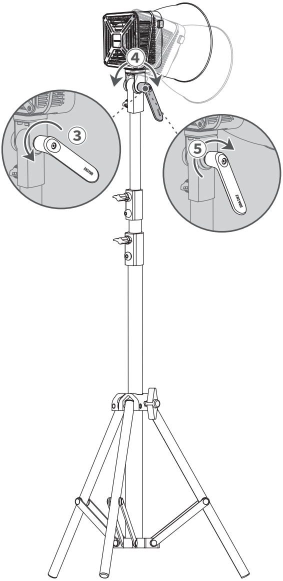




Installing a Light Stand

Align the end of the bracket with the 1/4 screw at the top of the light stand ① . Then, install the CG300 onto the light stand and tighten the bracket latch ② . Loosen the bracket hinge latch ③ and adjust the angle of the light body as you wish ④ . Finally, tighten the bracket hinge latch ⑤ .





Light stand is not provided in the product package.

⚠ Staring at the glowing chip of the CINEPEER CG300 during operation is strictly prohibited.

⚠ The protection level of the CINEPEER CG300 outer case is IP20.

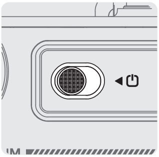
① Please remove the COB chip cap before using ZHIYUN CINEPEER CG300 To remove the cap, you can refer to the steps for removing the standard reflector.

② During the use of the CINEPEER CG300 , when the temperature rises to a certain degree, the fan will automatically turn on to achieve the purpose of heat dissipation for the light.

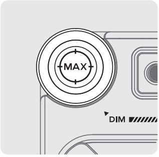
③ When the temperature is too high, the high-temperature protection mechanism of CINEPEER CG300 will be activated to ensure the safe use of the light.

④ If the high-temperature protection mechanism is triggered, ZHIYUN CINEPEER CG300 will automatically turn off. Once the temperature decreases, the light will automatically turn on again. During this period, please do not place the light on a wooden table or any other flammable surface.

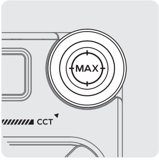
Buttons and Dials



Power Button:
Toggle to the left/right: Power on/off



DIM Dial:
Single press: Quickly adjust the parameter
Confirm (MENU interface)
Turn: Adjust the parameter
Triple press: Reset Bluetooth
Long press: Enter/exit the menu



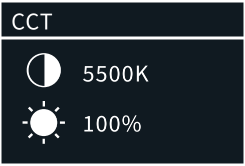
CCT Dial:
Single press: Quickly adjust the parameter
(CCT mode)
Turn: Adjust the parameter (CCT mode)
Switch options (FX mode/MENU mode)
Long press: Enter/Exit FX mode

DIM Dial+CCT Dial:
Press at the same time: Turn on/off MAX mode

Operation Instruction

1. CCT Mode Settings

In the CCT mode interface, single press or turn the DIM dial to adjust the brightness. Single press or turn the CCT dial to adjust the color temperature.
Brightness adjustment range: 0-100%;
Color temperature adjustment range：2700K-6500K;



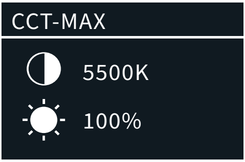
CCT

◐ 5500K

☀ 100%

2. MAX Mode Settings

In the CCT mode interface, long press DIM dial and CCT dial at the same time to turn on the MAX mode. Single press or turn the DIM dial to adjust the brightness under the MAX mode. Single press or turn the CCT dial to adjust the color temperature under the MAX mode.
Brightness adjustment range: 0-100%;
Color temperature adjustment range: 2700K-6500K;



CCT-MAX

◐ 5500K

☀ 100%

① Under MAX mode, the default brightness is 100% and the color temperature is 4300K.

② In order to provide a better user experience, when the MAX mode is used at temperatures exceeding 30° C, CINEPEER CG300 will automatically disable the MAX mode and return to the CCT mode once the temperature has risen to a certain level.

3. FX Mode Settings

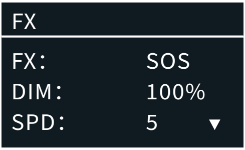
Long press the CCT dial to enter FX mode. Turn the CCT dial to switch between brightness/speed/color temperature options. Single press or turn the DIM dial to adjust the chosen option.

Lighting effect types: SOS, Paparazzi, Fire, Faulty Bulb, TV, Lightning, Explosion, Welding, Flashlight, CCT Flash, CCT Pulse, CCT Loop, Fireworks.

Brightness adjustment range: 0-100%;

Speed adjustment range: 1-5;

Color temperature adjustment range：2700K-6500K;


FX

FX: SOS

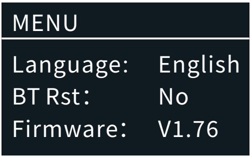
DIM: 100%

SPD: 5 ▼

The parameter values in a single light effect are only effective for that light effect.

4. MENU Settings

Long press the DIM dial to enter the MENU interface. Turn the CCT dial to switch between language/Bluetooth reset options. Turn the DIM dial to adjust the chosen option. Single press the DIM dial to confirm.


MENU

Language: English

BT Rst: No

Firmware: V1.76

Under the "MENU" option, you can also check the firmware version information for the ZHIYUN CINEPEER CG300 .

Power-on Setting

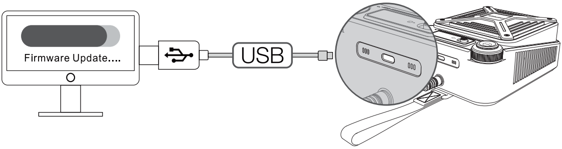
Normal mode: Before connecting the CINEPEER CG300 to an AC power source, the power switch should be on the left side. After connecting to power, toggle the power switch to the right side to turn on the light.
Live mode: Before connecting the CINEPEER CG300 to an AC power source, the power switch should be on the right side. The light will turn on automatically after connecting to power.

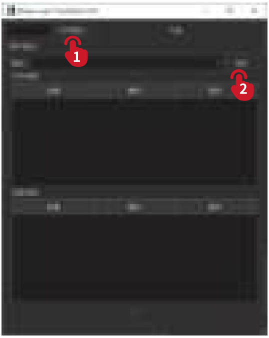
Firmware Upgrade

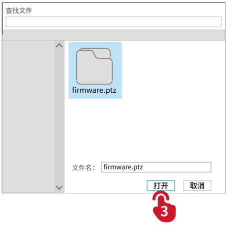
You can use “Zhiyun Led Tools” or “ZY Vega” to perform the ZHIYUN CINEPEER CG300 firmware upgrade.

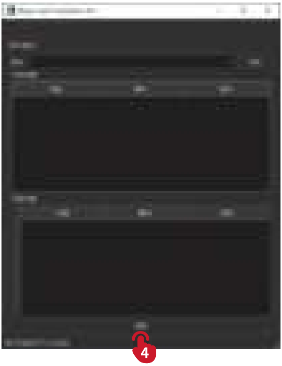
Method 1:

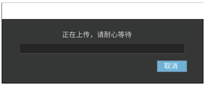
1. Visit the official website of ZHIYUN (www.zhiyun-tech.com), go to the ZHIYUN CINEPEER CG300 product page, click "Download", find the Zhiyun Led Tools and the firmware and download.
2. Unzip the firmware for the files with the ".ptz" file extension.
3. Connect the USB-C port of ZHIYUN CINEPEER CG300 to the USB port of the computer with the USB Type-C cable.
4. Open "Zhiyun Led Tools", click "Open", and click "Firmware Upgrade". Click "Browse" under "Path" to select the latest firmware downloaded (with the ".ptz" file extension), and click "Upgrade" at the bottom to upgrade firmware. ZHIYUN CINEPEER CG300 will automatically turn off when the upgrade is finished.










正在上传，请耐心等待

Method 2:
The firmware of the ZHIYUN CINEPEER CG300 can be upgraded using the "ZY Vega" app. For more detailed instructions, please visit the ZHIYUN official website at www.zhiyun-tech.com and watch the related video tutorials for the ZHIYUN CINEPEER CG300 .

① When using Method 1 for the upgrade, please wait until the screen displays that the upgrade is finished, then you can plug out the USB Type-C cable.

② Before upgrading the firmware, please ensure that the ZHIYUN CINEPEER CG300 has more than 50% power remaining. You can not exit the app interface or access in the background during the upgrading process. Pay attention to the prompts on the app.

Product Model：PLG109

Max. Input Power	500W	
Max. Output Power	450W	
Color Temperature Range	2700K-6500K	
Brightness Adjustment Range	0-100%	
CRI/TLCI	CRI ⩾ 95 TLCI ⩾ 96	
TM-30 Rf (on average)	94	
TM-30 Rg (on average)	101	
CQS	⩾ 94	
Power Supply Standard	100-240V AC 50-60Hz 6.5-4A	
Illuminance (CCT mode, maximum power, without reflector)	15500(lux)	Lab Data1
Illuminance (CCT mode, maximum power, with reflector)	61000(lux)	Lab Data2
Illuminance (MAX mode, maximum power, without reflector)	20300(lux)	Lab Data3
Illuminance (MAX mode, maximum power, with reflector)	81100(lux)	Lab Data4
Operation Temperature	-10°C -40°C	
Control Method	Device Control / App Bluetooth Control	
Light Size (with bracket)	146*86*240mm	
Controller Size	128*73*170mm	

Product Net Weight (without standard reflector)	2.478kg

Lab Data 1 : The data is collected in the following conditions: No reflectors, 25°C temperature, indoor illuminance lower than 0.1lux, test distance 1m, and the color temperature is set at 5500K with 100% brightness. The illuminance is 15500lux. The actual illuminance varies under different conditions.

Lab Data 2 : The data is collected in the following conditions: Installed reflectors, 25°C temperature, indoor illuminance lower than 0.1lux, test distance 1m, and the color temperature is set at 5500K with 100% brightness. The illuminance is 61000lux. The actual illuminance varies under different conditions.

Lab Data 3 : The data is collected in the following conditions: No reflectors, 25°C temperature, indoor illuminance lower than 0.1lux, test distance 1m, and the color temperature is set at 4300K with 100% brightness. The illuminance is 20300lux. The actual illuminance varies under different conditions.

Lab Data 4 : The data is collected in the following conditions: Installed reflectors, 25°C temperature, indoor illuminance lower than 0.1lux, test distance 1m, and the color temperature is set at 4300K with 100% brightness. The illuminance is 81100lux. The actual illuminance varies under different conditions.

Any data mentioned in this user guide is the result of internal testing at ZHIYUN Lab. Under different objective conditions, there may be varying degrees of error in the data. Please refer to actual experience with the device.

Disclaimer and Warnings

Thank you for purchasing this product. The information contains herein affects your safety, legitimate rights and obligation. Please read this instruction carefully to ensure proper configuration before use. Failure to read and follow this instruction and warnings herein may result in serious injury to you or bystanders, or damage to your device or property. Guilin Zhishen Information Technology Co., Ltd (hereinafter referred to as "ZHIYUN") reserves all rights for final explanation of this instruction and other documents related to this product. The information is subject to update without notice. Please visit www.zhiyun-tech.com to obtain the latest product information.

By using this product, you hereby signify that you have read this document carefully and that you understand and agree to abide by the terms and conditions herein. You agree that you are solely responsible for your own conduct while using this product, and for any consequences thereof. You agree to use this product only for purposes that are proper and in accordance with all terms, precautions, practices, policies and guidelines ZHIYUN has made and may make available.

ZHIYUN accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. Users shall observe safe and lawful practices including, but not limited to, those set forth herein.

ZHIYUN ™ is the trademark of Guilin Zhishen Information Technology Co., Ltd and its affiliates. All product names or trademarks referred to herein are trademarks or registered trademarks of their respective holders.

Reading Tips

Legends： 💡 Hints and Tips ⚠ Important

Safe Operation Instructions

Read the ENTIRE User Guide to become familiar with the features of this product before operating. Failure to operate the product correctly can result in damage to the product or personal property and cause serious injury. This is a sophisticated product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision.
DO NOT use with incompatible components or in any way otherwise as mentioned or instructed in the product documents provided by ZHIYUN. The safety guidelines herein contain instructions for safety, operation and maintenance. It is essential to read and follow all of the instructions and warnings in the User Guide, prior to assembly, setup or use, in order to operate the product correctly and avoid damage or serious injury.

Warranty Period

1. Customers are entitled to replacement or free repair service in case of quality deficits found in the product within 15 days upon receipt of the product.
2. Customers are entitled to free repair service from ZHIYUN for any product proven defective in material or workmanship that results in product failure during normal consumer usage and conditions within the valid warranty period, which is 12 months counting from the date of selling. However, warranty period varies by product component and country of purchase. Please contact our after-sales service team on ZHIYUN official website or your place of purchase for detailed warranty information.

Warranty Exclusions

1. Products subjected to unauthorized repair, misuse, collision, neglect, mishandling, soaking, accident, and unauthorized alteration.
2. Products subjected to improper use or whose labels or security tags have been torn off or altered.
3. Products whose warranty has expired.
4. Products damaged due to force majeure, such as fire, flood, lightning, etc.

Warranty Claim Procedure

1. If failure or any problem occurs to your product after purchase, please contact a local agent for assistance, or you can always contact ZHIYUN's customer service through email at info@zhiyun-tech.com or website at www.zhiyun-tech.com.
2. Your local agent or ZHIYUN's customer service will guide you through the whole service procedure regarding any product issue or problem you have encountered. ZHIYUN reserves the right to reexamine damaged or returned products.

Customer Information			
Customer Name:		Phone Number:	
Address:			
Sales Information			
Sales date:		Product Serial Number:	
Distributor Name:			
Distributor’ s Contact Number:			
First Maintenance Record			
Service Date:		Repairman Signature:	
Cause of Problem:			
Service Result:	☐ Solved	☐ Unsolved	☐ Refunded/Replaced

Contact Card

Website

Weibo

Vimeo

Google+

Facebook
(Zhiyun Support)

Facebook
(Zhiyun Tech)

Youku

Youtube

Wechat

Instagram

Contact Card

Tel: +86 400 900 6868
USA Hotline: +1 808-319-6137,9:00-18:00 GMT-7,Mon-Fri
Europe Hotline: +49 (0) 61018132180,10:00-17:00 GMT+1,Mon-Fri
Web: www.zhiyun-tech.com
E-mail: info@zhiyun-tech.com
Address: 09 Huangtong Road, Tieshan Industrial Zone, Qixing District, Guilin, 541004, Guangxi, China

Certificate of Quality

This product is confirmed to meet quality standards and permitted for sale after strict inspection.

QC Inspector: ______________

QC PASS 检02

For full product information, please visit ZHIYUN's official website: Content on www.zhiyun-tech.com is subject to update without notice.
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All product names or brands referred to hereunder may be trademarks or registered trademarks of their respective holders.
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ZHIYUN-TECH.COM

FCC Caution.

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.

Any 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

ISED Statement

English: This device complies with Industry Canada license- 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.
The digital apparatus complies with Canadian CAN ICES- 3 (B)/NMB- 3 (B).
French: Le présentappareilestconforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L' exploitationestautorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareildoit accepter tout brouillageradi oélectriquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement. l'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).
This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l' exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

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

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé.
Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.