GODOX设计文件图注			
项目类型	☐彩盒 ☐彩卡 ☐白盒 ☐贴纸 ☑说明书 ☐内托 ☐胶盒 ☐吸塑 ☐其他:		
项目名称	高速影室闪光灯QT600IIIM		
产品料号	705-QT63M0-00	版本	A
展开尺寸(mm)		成品尺寸(mm)	100*140MM
尺寸公差	**±2mm**		
材质	105g铜版纸		
工艺说明	**骑马钉**		
备注/色值			
设计师	Jin	校对	水宁

705-QT63M0-00

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Made in China

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PiXAPRO®

STORMIII400
STORMIII600
STORMIII1200

Instruction Manual

Foreword

Thank you for purchasing a PIXAPRO product.
Thanks for choosing STORM III series high-speed flash. It has wide-range applicability, not only perfect for all kinds of studio and workshop photography, but also good at capturing fast-changing actions in a chain of pictures in high-speed continuous shooting, e.g. action photography, stage photography, sports photography, scientific photography, etc. In addition, in fashion or portrait photography, photographers can capture a series of fast-changing facial expressions and amazing moves, and clearly freeze each fleetingly perfect instant into eternal beauty. Among the benefits you'll enjoy:

- Ultra-speedy charging, 0.01-0.9s recycling time
- Achieving 1/8000s high-speed sync
- Up to 10 shots in one second under high-speed continuous shooting
- Exact output control on LCD panel from 1/256 to 1/1
- 40W LED modeling lamp supports stepless brightness adjustment
- Outstanding output stability, less than 2% shifts when under the same output
- High color stability, ranging within ±200k (stable mode) between flashes over the entire power range
- Built-in ONE System (2.4GHz transmission)
- S1/S2 Receiver Mode
- Delay function
- Mask function
- High qualified LCD panel

⚠ Warning

Please read the following warnings in their entirety before using this product.
Keep these safety instructions where users can read them for ready reference.

⚠ Do not disassemble or modify. Should the product break down, send the defective back to the authorized service center for inspection and maintenance.
⚠ Keep dry. Do not handle with wet hands, immerse in water, or expose to rain.
⚠ Keep out of reach of children.
⚠ Please put the device in a ventilation environment and keep the parts of lighting and heat dissipation holes are unobstructed. Do not use in flammable environment.
⚠ As this product adopts make and break device, please keep it easy to be used.
⚠ No touching the heating parts of this product.
⚠ Please turn off the power and wear insulated gloves before installing and connecting accessories. When replacing the tube or modeling lamp, please make sure that the tube is cool and wear insulated gloves to prevent burns.
⚠ Do not flash directly towards naked eyes (especially those of babies), otherwise it may lead to visual impairment.
⚠ Disconnect from the power supply when it will not be used for an extended period.

Caution

⚠ After 30 continuous flashes at full power, the flash should be cooled down for about 3 minutes. Overheating will occur if it is used continuously without cooling down.
⚠ Do not keep using the modeling lamp for a long time; otherwise flammable accessories attaching to flash head, e.g. softbox will get burnt. A 10-minute time is recommended in this case. After 10 minutes, cool it down for 1 minute.
⚠ When using a snoot, do not keep the modeling lamp on for a long time or fire too frequently (not over six times for one minute). Overheating will result in damages for strobe housing and/or studio light.
⚠ Avoid sudden impacts as this can damage the flash tube and/or modeling lamp.

Conventions used in this Manual

- This manual is based on the assumption that both the camera and camera flash's power switches are powered on.
- Reference page numbers are indicated by "p.**".
- The following alert symbols are used in this manual:

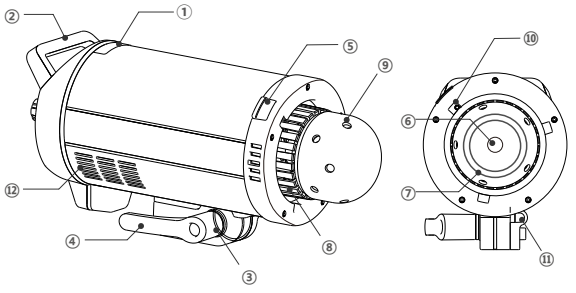
  ⚠ The Caution symbol indicates a warning to prevent shooting problem.

  The Note symbol gives supplemental information.

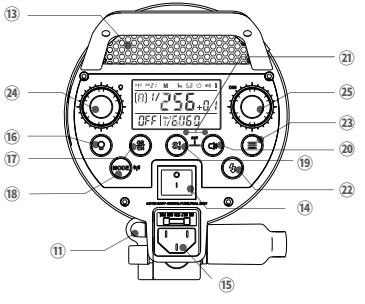
Contents

Name of Parts

Body:



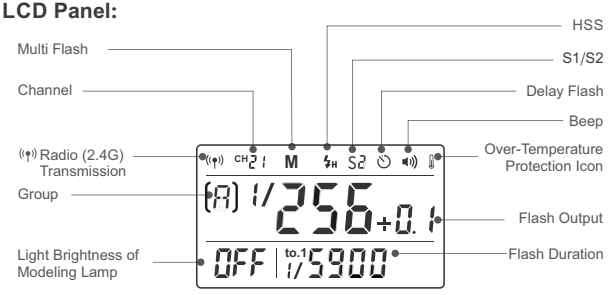
① Light Sensor
② Handle
③ Bracket
④ Direction Adjusting Handle
⑤ Lampshade Button
⑥ LED Modeling Lamp
⑦ Light Tube
⑧ Ventilation
⑨ Glass Lampshade
⑩ Bowen Mount
⑪ Umbrellas Input
⑫ Fan Air Inlet
⑬ Fan Air Outlet



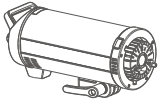
⑭ Power Switch
⑮ Power Socket
⑯ Modeling Button
⑰ GR/CH Button
⑱ MODE/Wireless Button
⑲ S1/S2 Button
⑳ Beep Button
㉑ RST(S1/S2+Beep) Combined Button
㉒ Flash Button
㉓ Menu Button
㉔ Modeling Adjustment Button
㉕ DIM Select Dial

Name of Parts

LCD Panel:



Accessories



Light Body*1

Light Cover*1

Glass Protection Cover *1

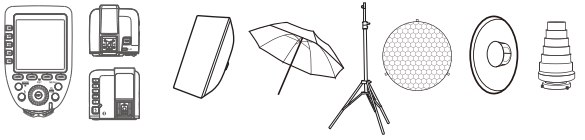
Instruction Manual *1

Power Cord *1

Lamp Tube *1

Separately Sold Accessories

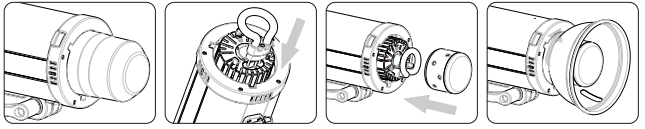
The product can be used in combination with the following accessories sold separately, so as to achieve best photography effects: flash triggers and camera flashes with 2.4GHz wireless TX functions,Power Inverter, Softbox, Photographic Umbrella, Light Stand, Barndoor, Beauty Dish, Snoot, etc.



Operations

Flash Preparation

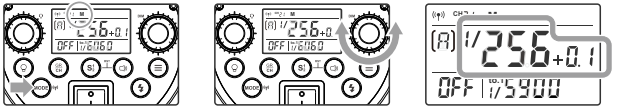
1. Take down the lamp cover, install the light tube and put on the glass protection cover.



2. Attach the flash unit on an appropriate light stand. Adjust the mounting bracket for a good angle and make sure it's tightened and fixed. Use the direction adjusting handle to adjust the flash on a desired direction. Umbrella input is for different photo umbrellas to put in.

M: Manual Flash

The flash output is adjustable from 1/1 full power to 1/256th power in 1/10 stop increments. To obtain a correct flash exposure, use a hand-held flash meter to determine the required flash output.

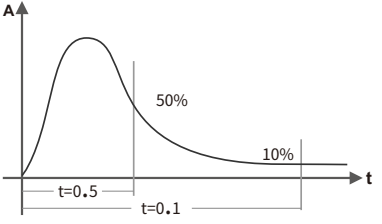


1 Press <**MODE**> button so that <**M**> is displayed.

2 Turn the DIM Select Dial to choose a desired flash output amount.

Display Flash Duration

Flash duration refers to the length of time that from flash's firing to reach the half peak at maximum. The half peak at maximum is usually expressed as t=0.5. In order to provide the photographer with more concrete data, this product adopts t=0.1. The difference between t=0.5 and t=0.1 is shown in the following picture.



● Flash duration will only be displayed in the M mode.

M: Manual Flash

Stable Color Temperature Mode and High-Speed Flash (speed) Mode

Stable Color Temperature Mode or High-Speed Flash (speed) Mode can be chosen in the C.Fn-F1 setting. These two modes are effective in M/Multi mode and ineffective in high-speed sync mode.

Stable Color Temperature Mode default: color temperature ranges within ±200K, which is a good choice for the photographers who pursues stable color temperature.

High-Speed Flash (speed) Mode: the max flash duration is up to t0.1=1/28984, which is perfect for capturing the fast-changing actions. As the color temperature is a little higher in this mode, please set the camera's white balance parameter to the proportional color temperature amount (see the chart below) or AWB (Auto White Balance).

M: Manual Flash

STORM600 III M		
Test Environment	Darkroom	
Color Temperature Test	Equipment	SEKONIC C-800
	Testing Method	Trigger beyond 1 meters and average the amount of 3 tests.
Flash Duration (t0.1)	IGBT control the time of turning on the flash	

Stable Color Temperature Mode

Parameter / Level	Color Temperature CCT(K)	Flash Duration t0.1(S)
1/256	5734	1/6010
1/256+0.3	5760	1/5560
1/256+0.7	5745	1/5420
1/128	5729	1/5170
1/128+0.3	5718	1/4940
1/128+0.7	5686	1/4830
1/64	5619	1/4680
1/64+0.3	5635	1/4400
1/64+0.7	5657	1/3970
1/32	5630	1/3700
1/32+0.3	5639	1/3530
1/32+0.7	5608	1/3110
1/16	5620	1/2940
1/16+0.3	5647	1/2760
1/16+0.7	5657	1/2360
1/8	5677	1/2090
1/8+0.3	5674	1/1920
1/8+0.7	5610	1/1670
1/4	5568	1/1400
1/4+0.3	5566	1/1250
1/4+0.7	5656	1/1060
1/2	5646	1/900
1/2+0.3	5681	1/770
1/2+0.7	5649	1/590
1/1	5549	1/530

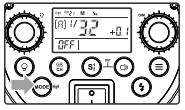
High-Speed Flash (speed) Mode

Parameter / Level	Color Temperature CCT(K)	Flash Duration t0.1(S)
1/256	8378	1/26100
1/256+0.3	8471	1/25800
1/256+0.7	8024	1/24700
1/128	9335	1/24100
1/128+0.3	9108	1/23400
1/128+0.7	9010	1/19300
1/64	8535	1/16500
1/64+0.3	8205	1/13900
1/64+0.7	7698	1/12700
1/32	7367	1/11400
1/32+0.3	7151	1/10300
1/32+0.7	6856	1/9500
1/16	6579	1/8700
1/16+0.3	6440	1/7800
1/16+0.7	6216	1/6700
1/8	6126	1/5700
1/8+0.3	6072	1/5000
1/8+0.7	5954	1/4100
1/4	5907	1/3500
1/4+0.3	5867	1/3000
1/4+0.7	5837	1/2200
1/2	5844	1/1600
1/2+0.3	5738	1/1200
1/2+0.7	5636	1/690
1/1	5539	1/530

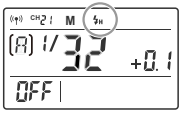
High-Speed Sync

In this mode, you can set the flash output from 1/1 full power to 1/32nd power in 1/10 stop increments.

High Speed Sync enables the flash to synchronize with all camera shutter speeds. This is convenient when you want to use aperture priority for fill-flash portraits.



1 Press the <**MODE**> Button so that < ϟH > is displayed.



2 Turne th DIM Select Dial to set the flash output power.

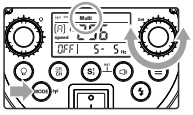
3 Please use the transmitter of ST-III series (optional).

- With high-speed sync, the faster the shutter speed, the shorter the effective flash range.
- Multi flash mode cannot be set in high-speed sync mode.
- With high-speed sync, the color temperature is lower (decrease around 700K) because of tube's characteristics. Please set the camera to AWB (Auto White Balance).

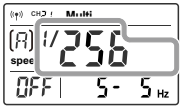
Multi: Stroboscopic Flash

In this mode, you can set the flash output from 1/4th power to 1/256th power in 1 stop increments. With stroboscopic flash, a rapid series of flashes is fired. It can be used to capture a multiple images of a moving subject in a single photograph. You can set the firing frequency (number of flashes per sec. expressed as Hz), the number of flashes, and the flash output.

Multi: Stroboscopic Flash



1 Press <**MODE**> button so that <**Multi**> is displayed.



2 Turn the DIM Select Dial to choose a desired flash output.

3 Set the flash frequency and flash times.

- Press DIM Select Dial to select the flash times. Turn the DIM Select Dial to set the number.
- Press DIM Select Dial to select the flash frequency. Turn the DIM Select Dial to set the number.

Calculating the Shutter Speed

During stroboscopic flash, the shutter remains open until the firing stops. Use the formula below to calculate the shutter speed and set it with the camera.

Number of Flashes / Flash Frequency = Shutter Speed

For example, if the number of flashes is 10 and the firing frequency is 5 Hz, the shutter speed should be at least 2 seconds.

- Stroboscopic flash is most effective with a highly reflective subject against a dark background.
- Using a tripod and a remote control is recommended.
- A flash output of 1/1 and 1/2 cannot be set for stroboscopic flash.
- If the number of flashes is displayed as "--", the firing will continue until the shutter closes is exhausted. The number of flashes will be limited as shown by the following table.

Multi: Stroboscopic Flash

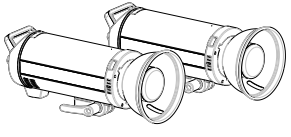
Maximum Stroboscopic Flashes:

Flash Output \ Hz	1	2	3	4	5	6-7	8-9	10	11	12-14	15-19	20-30
1/4	7	6	5	4	4	3	3	2	2	2	2	2
1/8	7	6	5	4	4	3	3	2	2	2	2	2
1/16	14	14	12	10	8	6	5	4	4	4	4	4
1/32	30	30	30	20	20	20	10	8	8	8	8	8
1/64	60	60	60	50	50	40	30	20	20	20	18	16
1/128	99	99	90	80	80	70	60	50	40	40	35	30
1/256	99	99	90	80	80	70	60	50	40	40	35	30

Wireless Flash Shooting: Radio (2.4G) Transmission

STORM III adopts built-in 2.4GHz wireless ONE System, which is perfectly compatible with other products of our company.

Nikon cameras (using ST-III-N, Li-io580 III N, etc.) and Canon cameras (using ST-III-C, Li-io580 III , etc.) can enjoy one or more STORM III together.

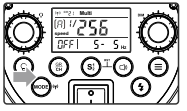


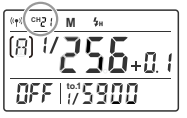
*As a receiver unit, STORM III can be controlled by the transmitter unit e.g. HyBRID 360 TTL-C, HyBRID 360 TTL-N, Li-ion580II TTL series, Li-ion580III Series, GIO1 series, ST-IV series, ST-III series, ST-III+ series etc.

Wireless Flash Shooting: Radio (2.4G Transmission

Wireless Settings

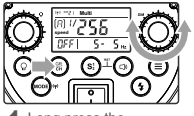
Press <(( ))> Wireless Button so that <(( ))> is displayed, entering the 2.4GHz wireless status now.



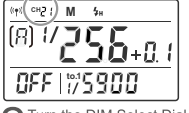


Setting the Communication Channel

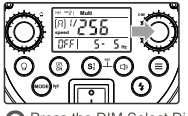
If there are other wireless flash systems nearby, you can change the channel IDs to prevent signal interference. The channel IDs of the transmitter unit and the receiver unit(s) must be set to the same.



1 Long press the <**GR/CH**> Button for 2 seconds until the channel IDs is blinking.

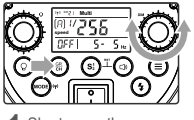


2 Turn the DIM Select Dial to choose the channel from 1 to 32.



3 Press the DIM Select Dial to confirm.

Setting the Communication Group



1 Short press the <**GR/CH**> Button for 2 seconds until the group IDs is blinking.

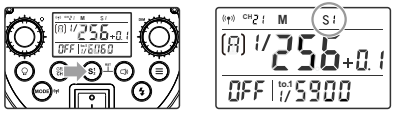
2 Turn the DIM Select Dial to choose the group from 0 to F.

3 Press the DIM Select Dial to confirm.

Receiver Model

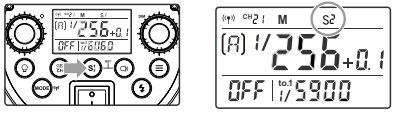
Optical S1 Secondary Unit Setting

In M manual flash mode, press <**S1/S2**> button so that this flash can function as an Optical S1 secondary flash with Optical sensor. With this function, the flash will fire synchronously when the main flash fires, the same effect as that by the use of radio triggers. This helps create multiple lighting effects.



Optical S2 Secondary Unit Setting

Press < S1/S2> button so that this flash can also function as an Optical S2 secondary flash with Optical sensor in M manual flash mode. This is useful when cameras have pre-flash function. With this function, the flash will ignore a single “preflash” from the main flash and will only fire in response to the second, actual flash from the main unit.



Modeling Lamp

STORM III has a 40W LED modeling lamp whose brightness can be steplessly adjusted.

- Short press the Modeling Lamp Button to choose the modeling lamp’s mode from OFF, Percentage and PROP.

OFF **OFF:** Modeling lamp is off.

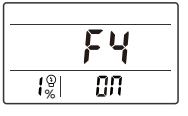
1% **Percentage:** Adjust the modeling lamp's light brightness manually from 1% to 100%.

PROP **PROP:** The modeling lamp's power changes with the flash's power. The bigger power the flash has, the brighter the modeling lamp is. Turn the Modeling Adjustment Button to choose the brightness from 1% to 100%.

Tips: Short press the Modeling Adjustment Button can quickly turn on/off the modeling lamp.

- **Choose the Modeling Lamp’s Modes**

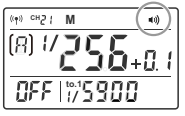
1. Short press the MENU Button until Fn menu is displayed.
2. Press the DIM Select Dial to choose F4.
3. Turn the DIM Select Dial to choose the Modes:
   ON: the modeling lamp will keep this status when triggering;
   OFF: the modeling lamp will turn off when triggering;



Short press the MENU Button to exit.

Buzz Function

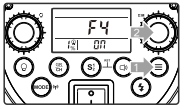
Short press the Buzz Button to turn on/off the Beeper. When the buzz indicator is displayed on the LCD panel, it means the sound reminder is turned on; if not dislayed, the sound reminder is turned off.



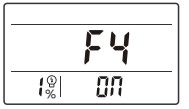
When Buzz function is turned on

1. The “**BI**” beep will be heard when it’s fully charged.
2. The “**BI**” beep will be heard when operate the buttons or select dials.

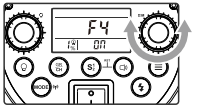
C.Fn: Setting Custom Function



1 Press the Menu Button until <**Fn**> menu is displayed.



2 Press the DIM Select Dial to choose Fn function signs.



3 Turn the DIM Select Dial to change the settings. Short press the MENU buttonto exit.

Custom Function Signs	Function	Setting No.	Settings & Description	Restrictions
F1	Choose mode flash	ON	High-Speed Flash (speed) Mode	M/Multi mode
		OFF	Stable Color Temperature	
F2	Delay flash	OFF,0.01~30S	Trigger as second curtain	M/Multi mode
F3	Mask function	OFF	Mask function is off	M mode
		N1	Mask function is on: when setting 2 times’triggering as a period, the first triggering will fire a flash.	
		N2	Mask function is on: when setting 2 times’triggering as a period, the second triggering will fire a flash.	
F4	Modeling lamp mode	ON	The modeling lamp will not change its status when triggering.	No
		OFF	The modeling lamp will turn off when triggering.	
F5	Wireless ID	OFF	OFF	wireless mode
		01-99	Choose any figure from 01 to 99	
F6	Swith between fraction and decimal	1/P	Flash ratio displays in fraction	
		P.P	Flash ratio displays in decimal	

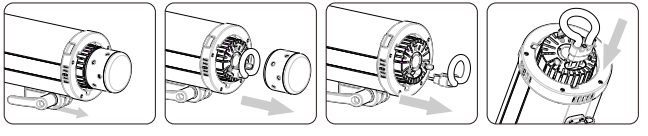
Other Applications

Memory Function

The device is equipped with memory function for the panel setting. It will help remember the panel setting 3 second after you set it. When starting up the flash next time, the panel setting will be the same as the status before powering it off.

Tube Replacement

Shut down the power and remove the power cord before replacing the flash tube and wear insulated gloves. Then, pull out the old tube gently. Hold two feet of the new tube, and target directly towards the two copper outlets, then push them slightly in. Put on the glass protection cover after the tube is correctly installed.



Declaration of Conformity:

PIXAPRO Photo Equipment Co,Ltd. hereby declares that the This item is in compliance with the essential requirements and other relevant provisions of EU Directive 2014/53/EU. They are allowed to be used in all EU member states.

Technical Data

Model		STORM400III	STORM600 III	STORM1200 III
Flash Mode		M/Multi/Hss(high-speed sync)		
Guide Number in 1/1 full power(m ISO 100,using highlight reflector)		65	76	105
Input Parameter		100-240v~50/60Hz 8.0A		
Flash Duration (t0.1)	High-Speed Flash (speed) Mode	1/670 s- 1/29600s	1/530 s- 1/26100 s	1/300 s -1/ 23400s
	Stable Color Temperature Mode	1/670 s- 1/6700 s	1/530 s- 1/6010 s	1/300 s - 1/6090 s
Color Temperature	Stable Color Temperature Mode	5600±200K		
	High-Speed Flash (speed) Mode	5400K~9500K		
	High-Speed Sync Flash (speed) Mode	4600K~5000K		
Power		400Ws	600Ws	1200Ws
Recycle Time		Approx. 0.01-0.9 s		
Output Level	M	1/1～1/256		
	Hss	1/1～1/32		
	Multi	1/4～1/256		
Multi Flash		Yes (max. flash time:99; max. flash frequency: 30)		
Sync Mode		High-speed sync (up to 1/8000s), first curtain sync, second curtain sync		
Delay Flash		0.01~30 秒		
MASK Function		√		
Fan		√		
Beeper		√		
LED Modeling Lamp		40W		
Modeling Light Color Temperature		4300K±200K		
Brightness Adjustment Range of Modeling Lamp		1%～100%		
Receiver Model		S1/S2		
Display Flash Duration		√		
Display		High qualified LCD panel		
• Radio (2.4GHz) Transmission (ONE system)				
Wireless Function		Receiver unit, ON/OFF		
Controllable Receiver units		16 groups: 0~9 ,A,B,C,D,E,F		
Transmission Range (approx.)		50m		
Channel		32:1~32		
ID		01-99		
Sync Triggering Mode		Built-in 2.4GHz wireless transmission		
Working Environment Temperature		-10℃~50℃		
Dimension		392*176*143mm	392*176*143mm	550*176*143mm
Net Weight		2.96kg	3.33kg	4.26kg

Maintenance

- Shut down the device immediately when it works abnormally and find out the reason.
- Avoid sudden impacts and the lamp should be dedusted usually.
- It's normal for lamp being warm when in use. Avoid continuous flashes when it is not necessary.
- Maintenance of all the flashes is up to our authorized maintenance department which can provide original accessories. Users can replace the flash tube and modeling lamp provided by the manufacturer.
- One year warranty period will be cancelled when any unauthorized maintenance is found.
- If the product had failures or was wetted, it can be continuously used only after it is repaired by professionals.
- Disconnect the power when doing maintenance work or cleaning.
- New changes made to the specifications or designs may not be updated in this manual.

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.

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.

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