

FEB/FEC(E-TTL only)

1. FEB (Flash Exposure Bracketing)

- Support 1/3-stop increments to set FEB within ± 3 .



- The sequence of FEB is fixed at $0 \rightarrow - \rightarrow +$, even the FEB sequence of the custom setting in flash is different, the shoot sequence remains to $0 \rightarrow - \rightarrow +$ either.
- FEB function will be automatically cancelled after three shots are taken.
- Even the E-TTL flash does not support FEB can also realize this function.

2. FEC (Flash Exposure Compensation)

- Support 1/3-stop increments to set FEC within ± 3 . The FEC button of the camera can also be used.



Setting value will be show on the flash screen when half-pressing the shutter button. Till FEB and FEC of the flash are set to 0, settings could be changed by remote control of camera menu , and you can also set each of the flash FEB and FEC via its control panel, compensation value shall be superposed according to flash setting plus camera menu setting, for example, the camera menu is set to -3, and the flash is set to +3, then exposure compensation shall be 0.

Zoom (Flash Coverage)

- **Zoom supports automatic/manual setting.**

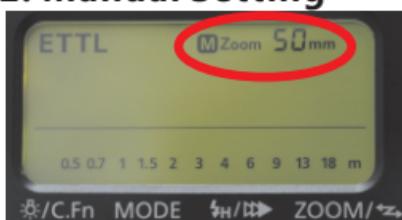
1. With automatic setting, focal length of the flash may change with lens focal length.
2. With manual setting, focal length of the flash supports manual setting within 24-105MM.



1. Automatic Setting



2. Manual Setting



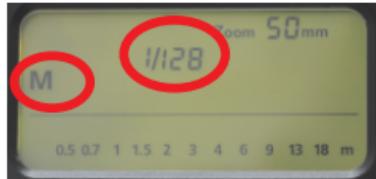
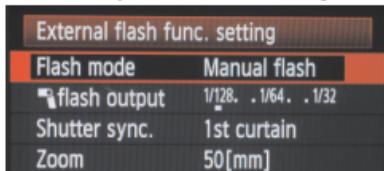
3. Zoom Lock

- Hold down the [CH SET] button of the receiver for seconds until channel indicator keeps lighting (same to set the mix control mode for the transmitter, p.21), enable the zoom lock function for the receiver, then the flash on the receiver will not be controlled by the camera menu, adjust flash zoom settings with flash control panel (automatic or manual), that means each flash can be set with a different focal. Hold down the [CH SET] for seconds again to cancel.

Manual Flash/ Multi Flash

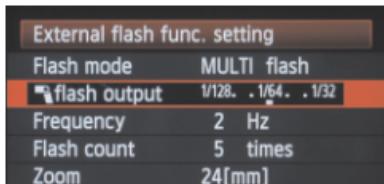
1. Manual Flash: Manually set flash output (1/128~1/1 power 1/3-stop increments)

- Select flash mode as Manual Flash Mode, setting flash output, shutter sync, zoom etc.



2. Multi Flash (Stroboscopic flash)

- Select flash mode as Multi Flash, setting via the camera menu.

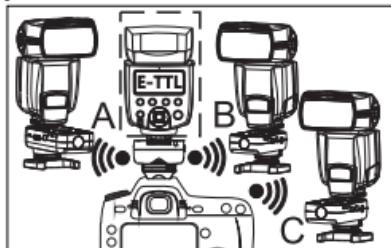
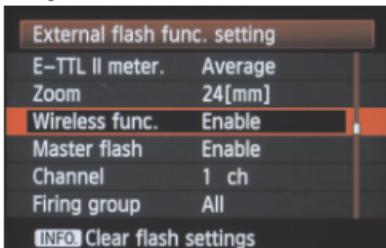


Items	Parameter
Flash Output	Manual (Max1/4)
Frequency	1-199hz
Flash count	1-100times
Zoom	Auto/Manual (24-105mm)

- The three parameters of flash output, frequency, and flash count may restrain each other, setting details may be referred to user manual of flash manufacturer. Factual output shall be subject to the flash's screen display.

Wireless Function*

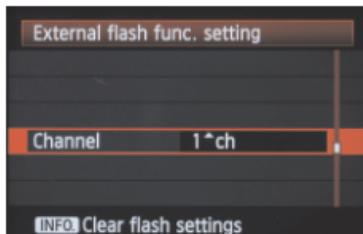
- By setting the wireless flash function menu, in a different flash mode or firing group, remotely set A / B / C, three groups of flash ratio or flash output.



- Enabled the wireless function via flash control menu.
- Master Flash: Option for a flash which installed on the transmitter(on-top flash), select enable for firing or disable. On-top flash exposure setting as well as group A.
 - The on-top flash just like a flash installed in receiver, which supports E-TTL, manual flash, multi flash mode and can cooperate with other off-camera flash using. It supports the function of AF assist beam emitter(p.24), disabled the wireless function can also be used the on-top flash.
 - The zoom of the on-top flash will not be controlled by the camera menu, adjust zoom settings with flash control panel (auto or manual), that means you can make the zoom setting of the on-top flash different from other off-camera flash, such as auto set for the on-top flash(via control panel), manual set for the off-camera flashes(via camera menu).
- * Enable the wireless flash function, 2nd curtain sync function will be unable to use.
- * For 5D MarkIII, 650D and other new models, selecting the optical transmission menu instead of wireless function.
- * YN622C is corresponding to optical pulse transmission wireless function.

Wireless Function

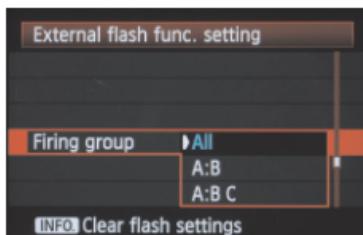
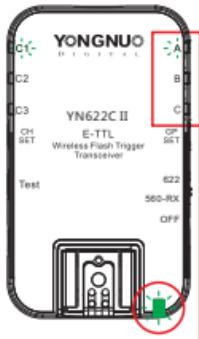
3. Channel Setting via Wireless Function



Set channel (CH1-CH4 only) of the transmitter via wireless function setting, the changed shall cover the original setting. CH1-CH7 may also be set by directly pressing [CH SET] at the transmitter(p.8).

4. Firing Group Setting via Wireless Function

Sets firing group of the transmitter via wireless function setting, in transmitting communications, state indicator and group indicator both blinking green, the following table shows that each group indicator stands for different firing group available.

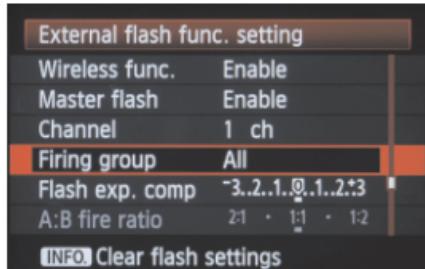


Group Indicator	Firing Group
Indicator A blinks	ALL (A+B+C)
Indicator B blinks	(A:B)
Indicator C blinks	A:BC or A:B:C
Indicator goes out	ALL (A+B+C)

- ※ When disabled the wireless function via the camera menu, in transmitting communications, group indicator will go out, firing group consists of all (A+B+C), all groups of flashes using the same setting.

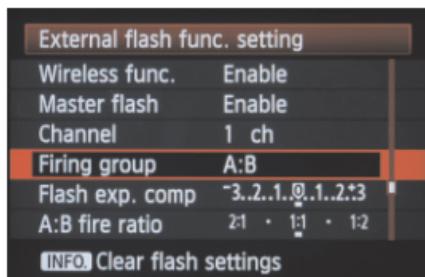
Flash Ratio with E-TTL II

- Flash fire ratio and FEC of the A, B, C three firing groups can be set under E-TTL II flash mode.



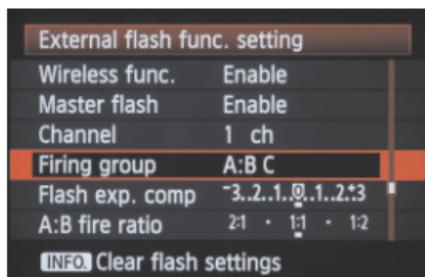
1.All (A+B+C)

Ratio off, A/B/C three flashes automatically fire with same output, flash exposure compensation (FEC) can be set.



2.A:B

Set fire ratio (8:1-1:8, 1/2-stop increments) and flash exposure compensation for flashes of Group A and B, Group C does not fire.

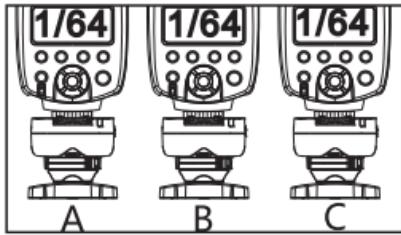
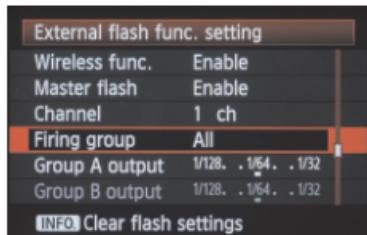


3.A:BC

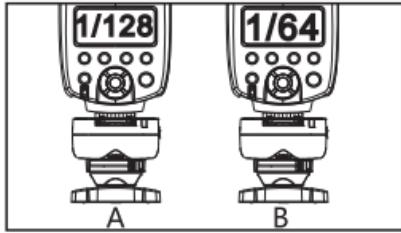
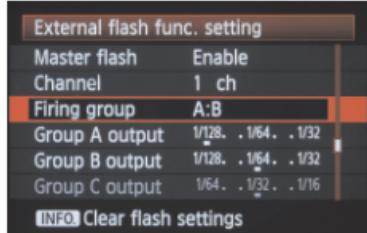
Set fire ratio and FEC for flashes of Group A and B, FEC of Group C can be set solely (Group C flash may be overexposure to the subject, suitable for use as a backlight).

Manual/Multi Flash Output

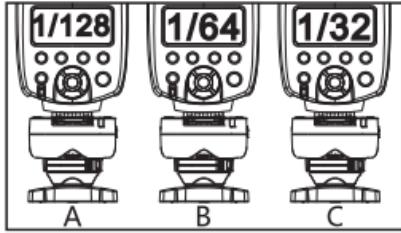
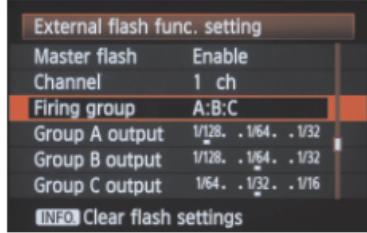
- Flash output for each group A/B/C can be separately set under Manual/Multi flash mode.



1. All (A+B+C)-The three groups of flashes shall be set with the same output.



2. A: B-Group A and B shall be separately set, Group C flash will not fire.



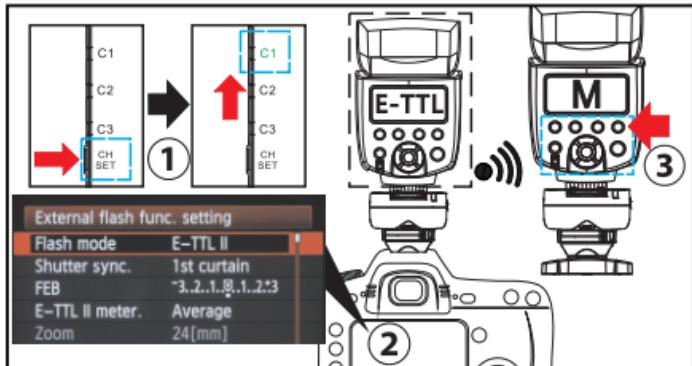
3. A: B: C-Group A, B, C shall be separately set.

※Flash output under menu root is same to Group A.

Mix Control Mode

- Set the flash on each receiver in different flash modes as Manual/E-TTL/Multi for mix control, the settings of the flash is prior , channel indicator of the transmitter will keep lighting when enabled this control mode. Supports type A/B cameras using.

1. Hold down the [CH SET] button for several seconds of the transmitter until the channel indicator blinks for 3 times and then keep lighting, enable the mix control mode.
2. Flash mode of the transmitter will be fixed at E-TTL and the zoom setting is disabled.
3. Set the parameters of each flashes via it own control panel.



In the mix control mode, set items via the flash it supports: Flash mode (output), FEB, FEC, Zoom etc.

- Set the shutter sync via camera menu and the flash set is invalid (Type B camera defaults to hi-speed sync).
- ※ Disable the mix control mode by hold down [CH SET] button again then it will return to remote control mode (the channel indicator goes out in standby state).(p.11)

Flash Triggering of B/C Type Camera

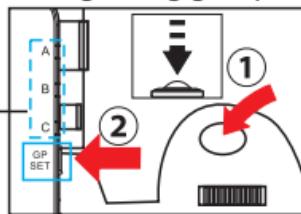
Type B Cameras:

- There is no flash control menu of such type of cameras that some of function will be restricted. Enable the mix control mode of the transmitter before using(P.21).

1. Setting of transmitting groups (set in the transmitter when it in transmitting status):

Half press the camera's shutter button then status indicator blinks green. Press [GP SET] to set transmitting firing groups.

Group Indicator	Firing Group
Indicator A blinks	ALL (A+B+C)
Indicator B blinks	(A:B)
Indicator C blinks	ALL (A+B+C)



2. Setting of flash mode (via the flash control panel):

- Automatic (ETTL) mode supports automatic flash, supports the settings of FEC and FEB, it defaults to hi-speed sync.
- Manual (M) mode, manually set the flash output. It defaults to hi-speed sync.
- Multi mode, set according to the flash.

Type C Cameras: Manually set the Flash Output

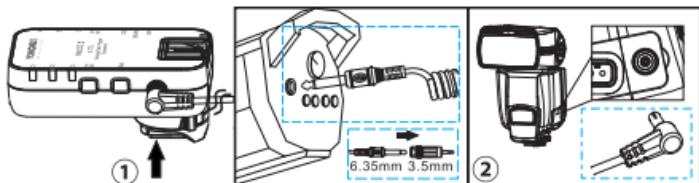
1. Transmitting group set (via the transmitter):

Set according to testing group of transmitter (p.9).

2. Flash mode set (via the flash control panel):

Set the manual(M) flash output via the control panel of the flash, and trigger with transmitter's main flash contact(single contact). Do not support hi-speed sync or other TTL functions.(Max speed sync is 1/250s or less)

PC Port Triggering (Support Super Sync *)



Caution! Do not connect to the PC port any flash requiring trigger voltage more than 300V, or the transceiver may be damaged.



- Purchase corresponding PC flash sync cord according to the different ports of the flashes needs .

1. Use an end of PC sync cord with nut to connect to the receiver.
2. The other end of the PC sync cord connects to strobe flashes or other flashes which supporting PC port.
3. Set the camera's shutter sync as 1st curtain or 2nd curtain.
4. Adjust shooting parameters and shoot.

*** Super sync: Use the non-high speed sync flash to realize higher sync speed, this function is more applicable to strobe flashes whose flash duration is longer. (PC port output only)**

1. Connect the receiver to flash via PC port and it may needs setting at manual full-power flash output (1/1).
2. Use manual exposure or shutter-priority mode, set the shutter sync as hi-speed sync, the maximum shutter sync speeds can reach to 1/8000s. Take photos and check whether the photos are synchronous , it may see gradations or variations in the photos, results depend on the camera and flash.

- ※ The PC port is for output using only.
- ※ Flashes on the hot shoe and connecting to the PC port can be used at the same time.
- ※ For type C camera, the max PC sync speed is 1/250s or less.

References

AF Assist Beam Emitter

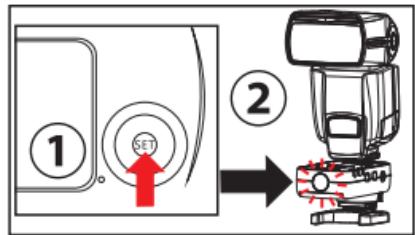
- When using AF under low-light, the built-in AF-assist beam emitter of the transmitter will be emitted automatically to make it easier to autofocus, and the flash on the transmitter which support AF assist beam emitter function can also be emitted at the same time.



- ※ It needs using single autofocus for the lens.
- ※ It needs enabled the AF assist beam function of camera (flash) by custom functions setting. Can also disable this function by custom functions setting(C.Fn8).
- ※ Both the receiver and the off-camera flash on the receiver will not be emitted.

Feedback Function of the AF Assist Beam Emitter

- When the off-camera setting which is consistent with the camera' s menu, the AF assist beam emitter of the receiver will blink twice to show that the change is successfully.

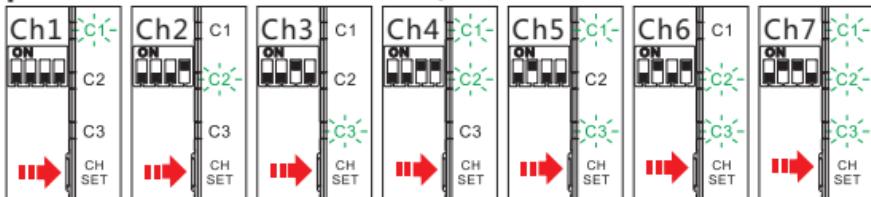


- ※ Only when the flash which supports assist beam emitter function is set in the receiver and the assist beam emitter is available, can this function be used.
- ※ Install the receiver on the camera and set the assist beam firing as disable via external flash custom function setting camera menu to disable this function(sets will be saved).
- ※ If parameter which the flash doesn' t support had been set (such as hi-speed sync), this function will be abnormal.

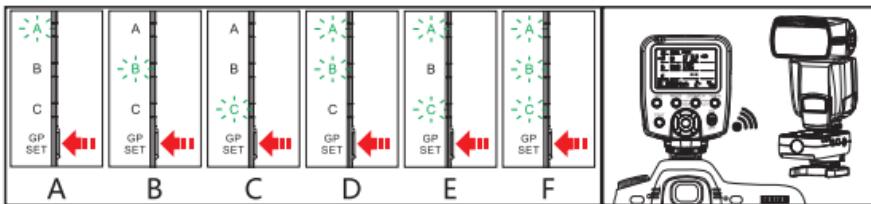
Reference-About 560-RX

The YN622C II supports receiving the triggering signal YN560-TX (RF603 communication mode), when using the compatible flash, it can wireless control the flash mode, flash output and zoom of each group; meanwhile supports the triggering signal (the flash set to M mode) of the RF603(II)、RF605(RF603 communication mode). Supports grouping function of the YN560-TX, RF605.

- 1. Set to the 560-RX mode through the power switch.**
- 2. Set the same channel as the transmitter (Shortly press the [CH SET] button).**



- 3. Set the receiving group (press the [GP SET] button).**



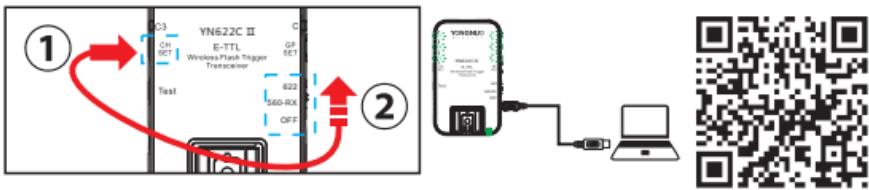
- 4. Shoot and trigger the flash.**

- When the power switch set to "560-TX", it is recommended only use the YN560-TX/RF603/RF605 as transmitter, the YN622C II as receiver. If it is used as transmitter in this communication mode, it will transmit as "622" communication mode.

References

Firmware Update

1. Log in the YONGNUO official website:
<http://www.hkyongnuo.com/e-detailed.php?ID=364>
to download the firmware update software and the latest firmware.
2. Power off, use Micro-USB(do not include) cable connect to PC.
3. Press the <CH SET> button and set the power on, all the indicator bright(green).
4. Complete the firmware upgrade operation according to the prompt of software.



Factory Reset



- 1) Hold down the buttons [CH SET] plus [GP SET] at the same time.
- 2) The state indicators will blink for 3 times in red-green alternately then turn to keep lighting (red).
- 3) Release all the buttons then reset the factory set.

About Automatic Saving Function

The transceiver will automatically save the sets such as channel, receiving group, AF assist beam. In the TTL set, some parameters will not be saved, such as the set of fire ratio etc.

Troubleshooting

1. Fail to power on or automatic shutdown:

- The battery is loaded inversely or exhausted; the status indicator light will blink(red) separately when the battery is going to be exhausted, and it will power off automatically in case of being over discharged.

▲ Install the battery according to the correct direction, ensure the battery is full and restart the power (refer to page 8).

2.The flash doesn't fire:

- Ensure the power of all are full, the connection among the transceiver, camera and the flash is reliable; whether the indicator is set in the same channels and controllable groups. Flashes recycle process, entering in the state of overheating protection, the flash enters into sleep status etc. may makes the flash doesn't fire. Ensure the flash is in ready state, use the [Test] button test the flash before using.
- Check the power switch of the receiver to see if it set to correct communication mode. Such as the receiver set to "560-RX" mode, it will not receive the signal of "622".

3. Fail to enable the 2nd curtain sync:

- That's because the restriction of camera menu.
- ▲ It shall set the wireless function disabled if needs using the 2nd curtain sync.

4. Can't access into the external flash function menu or the menu is displayed abnormally:

- The transmitter is not installed right , the contacts of the hot shoe is stained or the power of the battery is exhausted.
- ▲ Reinstall the transmitter and clean the contacts ,replace the batteries.

5.The channel indicator bright all along, unable to change the flash mode and zoom of camera menu.

- It is because enable the "mix control mode" .
- ▲ Please long press the "CH SET" button to exit the mix control mode or restore to factory settings.

Troubleshooting

6. **The assist beam emitter doesn't work:** Refer to page 24.
7. **The on-top flash doesn't fire:** Enabled the master flash via the wireless function setting.
8. **Can't set the flash zoom via camera menu:** When the mix control mode has been set in the transmitter (p.21) or zoom locking has been set in the receiver (p.15), zoom can't be set via camera menu. Zoom setting of the on-top flash needs to be set separately(p.17).
9. **Fail to set channel 5, 6, 7 via camera menu:** This is caused by the camera restriction and it can only set the channel 1-4 in via camera menu, while other channels can be set via channel button.
10. **ETTL underexposure or overexposure:** Suggest enable wireless flash function when using ETTL flash mode, and adjust the position of the flash, use FEC/FEL function, check flash' s effective range. It may overexposure when ETTL and manual flash are used at the same time, now the manual flash suits to be used as a backlight.
10. **Information of aperture, distance are not displayed on the flash when half pressing the shutter:** Set compatible flash mode/shutter sync with the flash on the transmitter.
11. **No effect of the flash exposure bracketing calculation on receiver:** Set the flash mode which is compatible with the flash.
 - ❖ **It is suggested using the following procedures to deal with when other trouble occur during the using:**
 - 1). Restart all the equipments.
 - 2). Replace the batteries of the transceivers.
 - 3). Reset the factory set of the transceivers/camera/flash.
 - 4). Install the hot-shoe flash on the camera directly and clear the custom function of external flash then install it on transceiver again.

Specifications

System type: Digital FSK 2.4GHz wireless transceiver

Distance: 100M

Channel: 14

Flash mode: E-TTL(II), Manual flash, Multi flash

Sync mode: 1st curtain, 2nd curtain, Hi-speed sync

Groups: A/B/C 3Groups(622);A/B/C/D/E/F 6Groups (560-RX)

Max Sync speed: 1/8000s*

Input: Hot-shoe(TTL,main contact)

Output: Hot-shoe, PC port

Firmware upgrade terminal: Micro USB

Applicable battery: AAX2 (support 1.2 V rechargeable battery)

Stand-by time: 60h

Dimensions: 91.5X53.5X43mm

Net Weight:89g

*About the Max Sync Speed

It needs the camera and flash both support hi-speed sync, and the max sync speed is 1/8000s or 1/4000s.

When using the hot shoe flash which doesn't support hi-speed sync, the max sync speed is 1/250s or lower. Sync speed of part of cameras and flashes may be lower.

※ All of the specification parameters are base on test conditions of our company. All registered trademarks are the property of their respective owners in this user manual. Specifications subject to change without notice.

**Updated version of the user manual can be got from
www.hkyongnuo.com**

FCC ID: 2ACYPYN622CII

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.

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.