

Smart Decision System **Transmitter Manual**

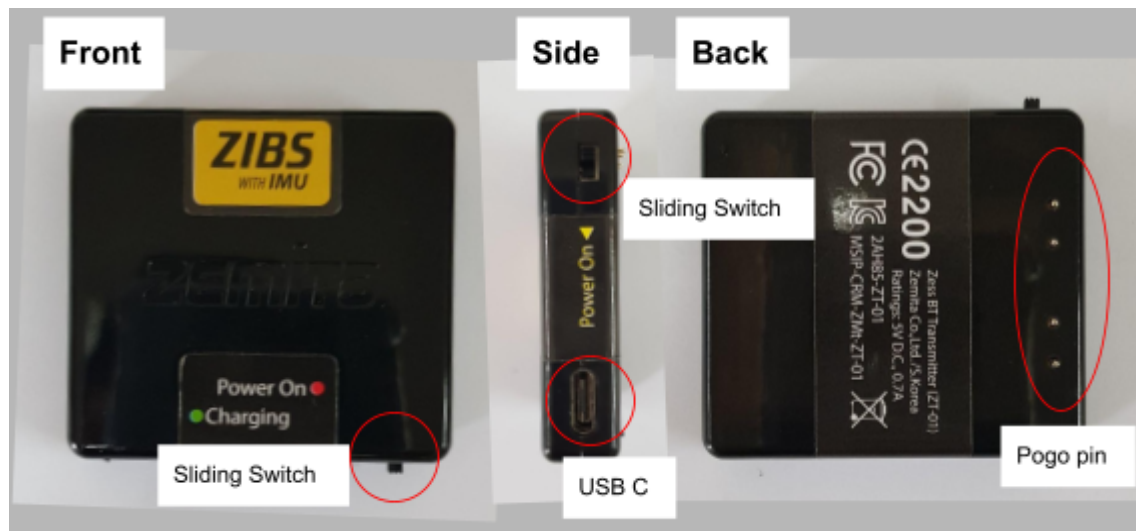
2022. 06

ZEMITA Co., Ltd.

1. Components

- Transmitter 1 ea
- Manual 1 ea

2. Transmitter



*Communication method

- Bluetooth 5.0

*Sensing method

- Inertial sensor
- RFID Reader

*Power supply

- ON/OFF switch (sliding method)
- USB C Type Charging
- Battery built in (600mAh)

*External terminal

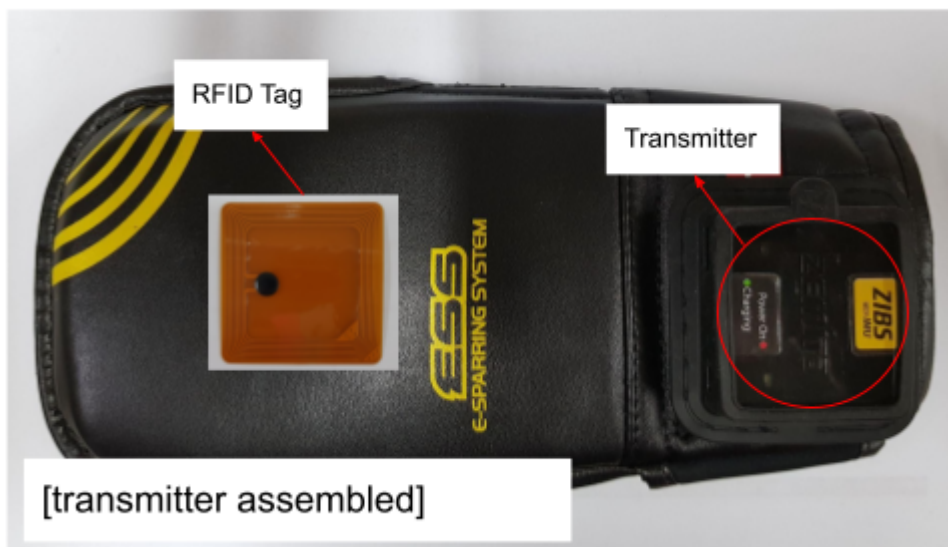
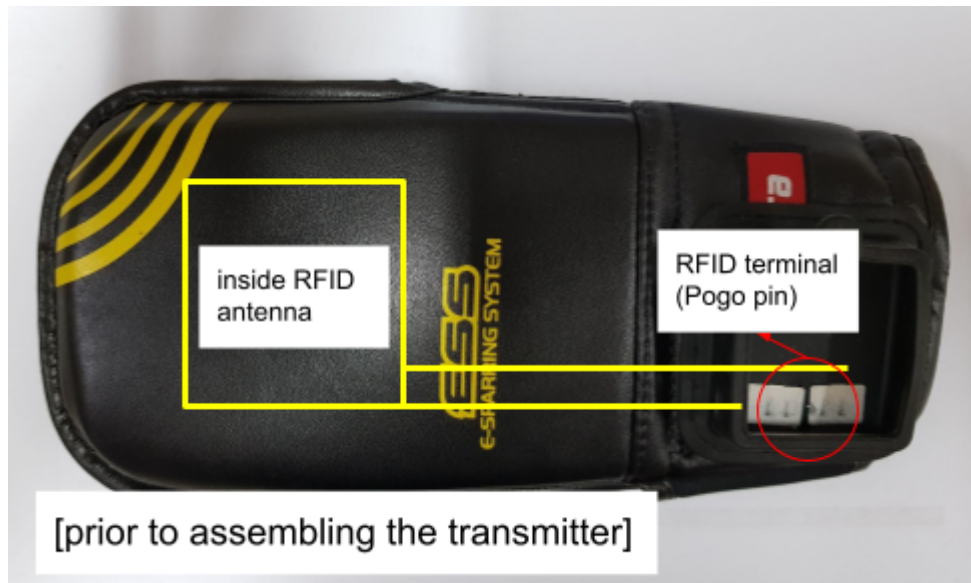
- Pogo pin (external RFID antenna connector)

*Principles of operation

- The transmitter reads the RFID tag attached to the scoring position through the hitting product with the built-in RFID antenna.
- At the moment of RFID Tag reads, it calculates the strike strength value with the inertial sensor embedded in the transmitter.
- The calculated strike strength value is transmitted to the app through Bluetooth communication and displayed.

3. How to use & works

The transmitter is attachable to a variety of hitting products. (Hand guards in the following image are sold separately)



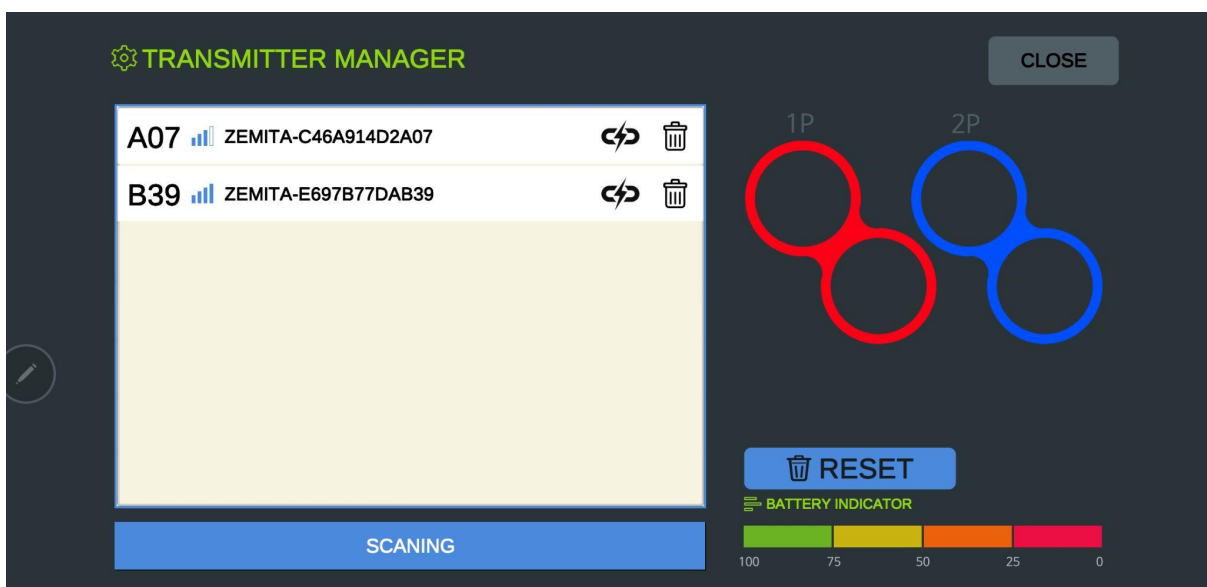
- 1) Insert the transmitter into the rubber cover of the martial arts unit with a built-in RFID terminal. (Removable from various martial arts devices with built-in RFID antennas)
- 2) Move the 'sliding switch' of the transmitter to ON.
- 3) If the transmitter's Bluetooth LED blinks, run the 'Fighting App' and proceed with the Bluetooth communication connection.
- 4) When the transmitter recognizes the RFID tag in the scoring area through the RFID antenna of the martial arts device, it transmits the hit value to the 'Fighting App' via Bluetooth communication. (Communicating with RFID antennas via the transmitter's pogo pins)
- 5) The 'Fighting App' displays the received strike values in various forms.

4. How to use The 'Fighting App'

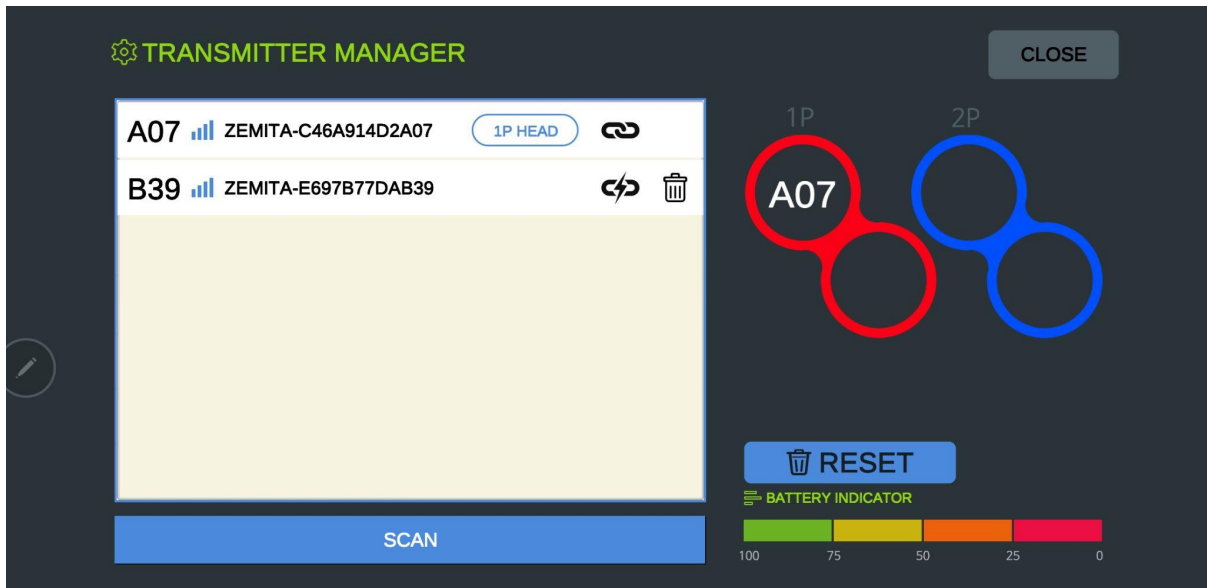


- 1) After installing 'Fighting App' on your Android phone, run 'Fighting App'.
- 2) Press 'Bluetooth Transmitter Manager'.

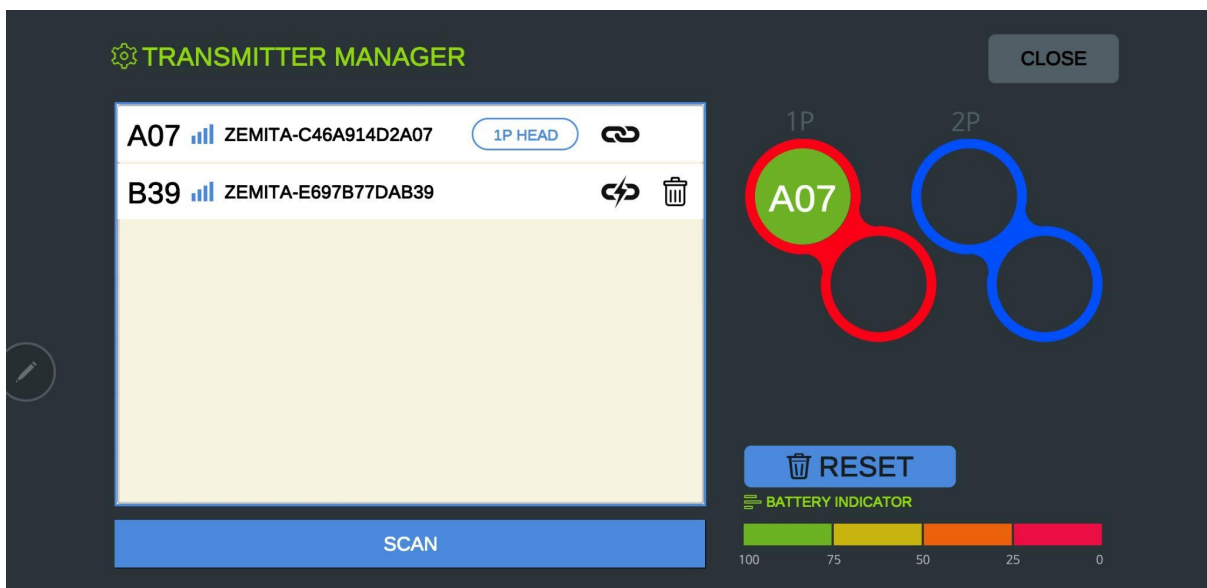
[How to use Bluetooth Transmitter Manager]



- 1) After turning on the sliding switch of the transmitter, press 'Search' in the 'Bluetooth Transmitter Manager' to display the unique values of the transmitter in the list.

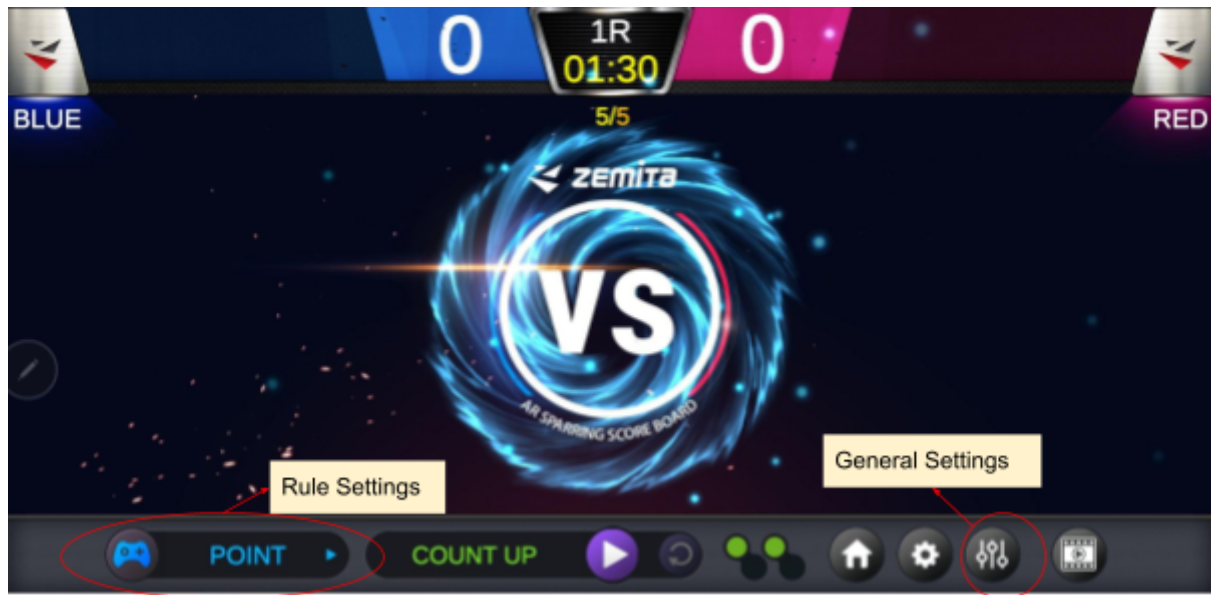


- 2) Click 'Lightning mark' on the Serial number displayed in the list and click on the right Red & Blue circle, the Serial number value is displayed in the Red & Blue right circle, and the Serial number in the list is changed to 'Link mark'..

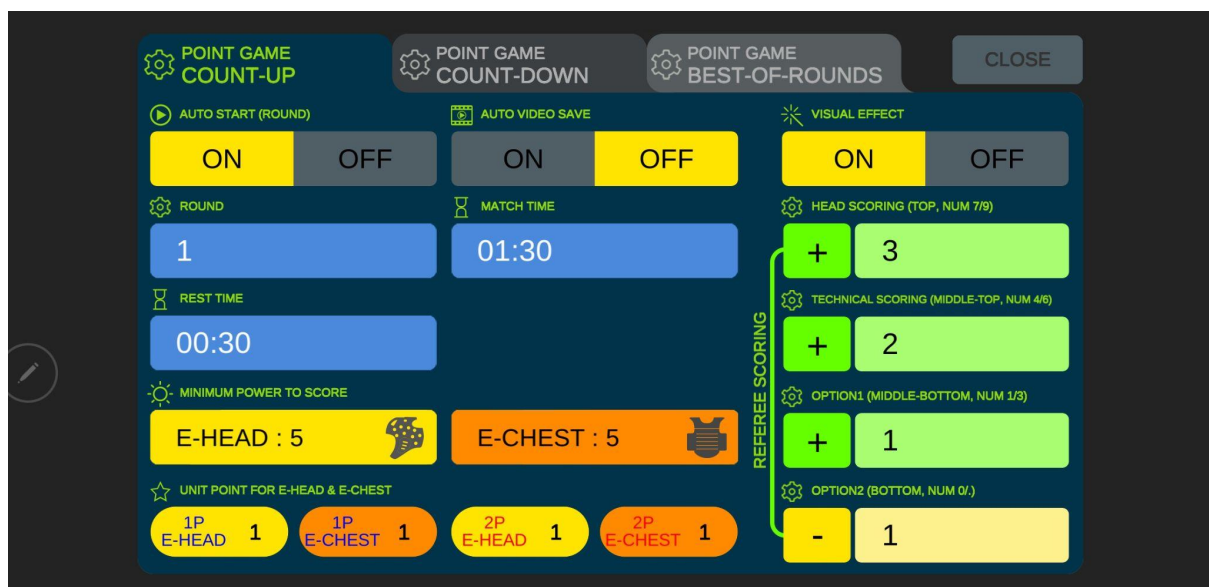


- 3) When the final connection is complete, the inner color of the right Red & Blue circle changes to the color of the transmitter battery remaining. Press 'Close' to go to the main screen.

[How to operate a martial arts app]



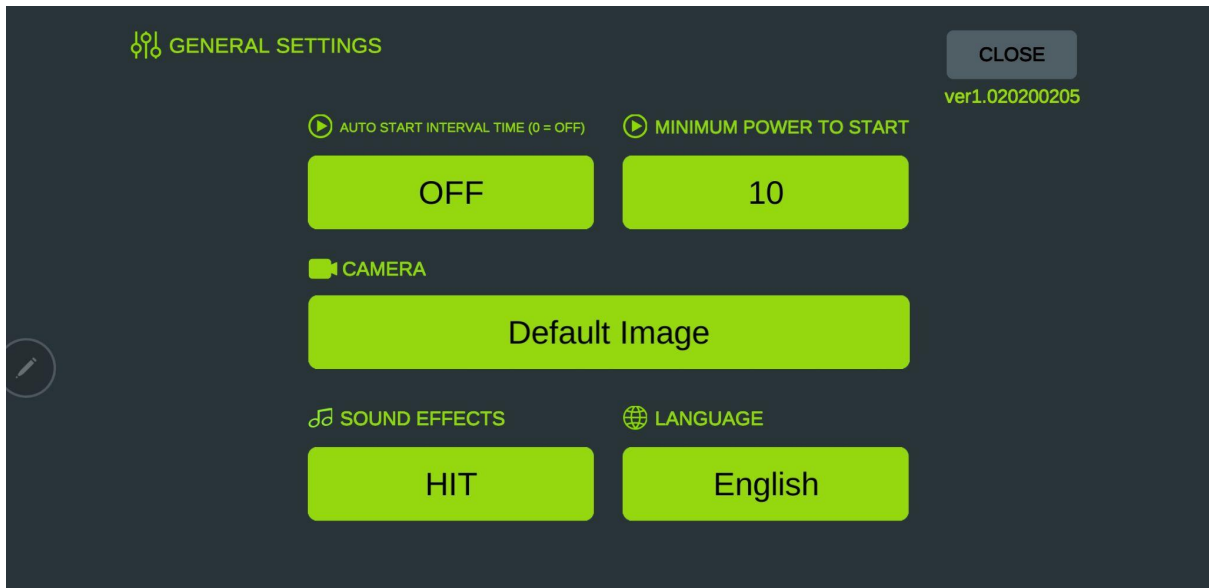
1) Press 'Point Game' on the main screen.



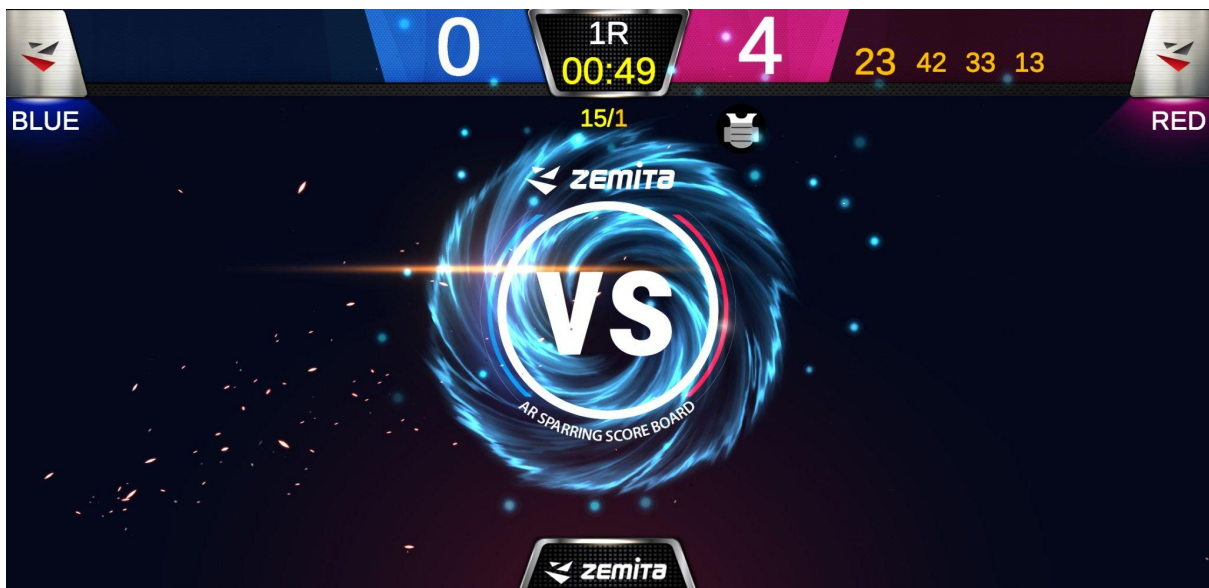
2) Available to set various rules by clicking 'Rule Settings' at the bottom.

*Recommended Test Settings

- Free video recording: OFF
- Round time: 10:00
- E-HEAD: 1
- E-CHEST: 1



- 3) Press 'General Settings' at the bottom right and select 'Default Image' from 'Camera'.



- 4) Press the 'Start' button and hit the RFID Tag with the martial arts device and the batting strength and score is displayed.

The revised User Manual does not contain the FCC required warning statements.

a. Rule Part 15.19(a)(3): 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.

b. Rule Part 15.21: The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that 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

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