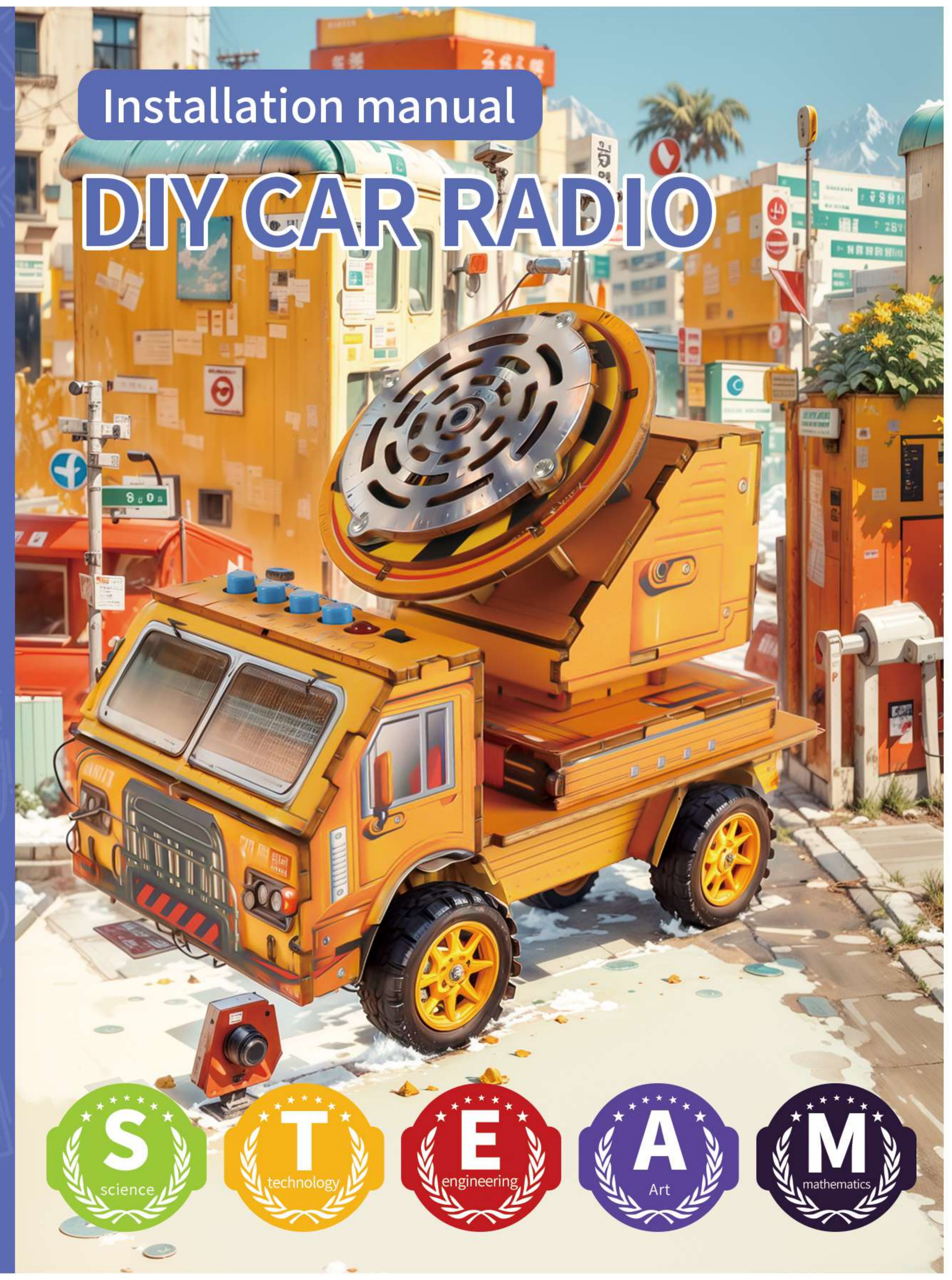
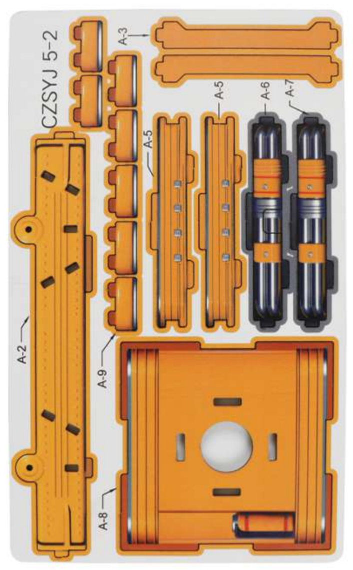
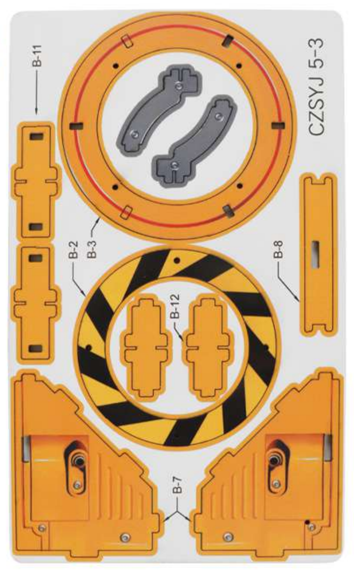
Installation manual

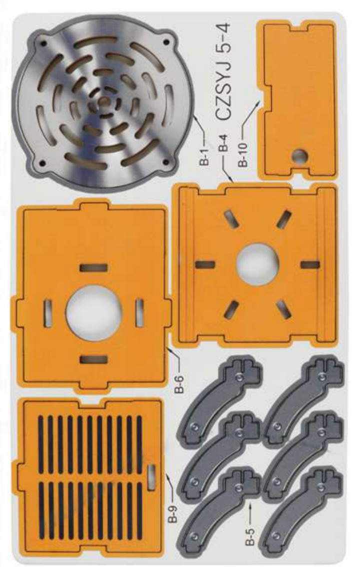
# DIY CAR RADIO

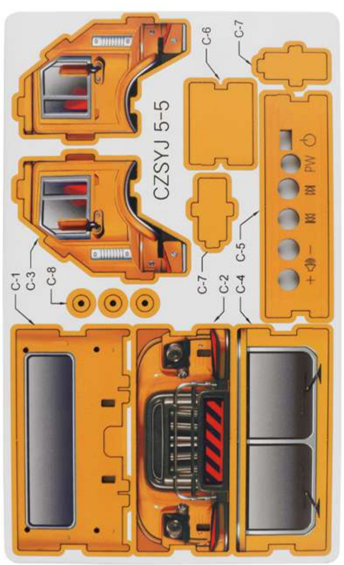



## Material details display



White latex

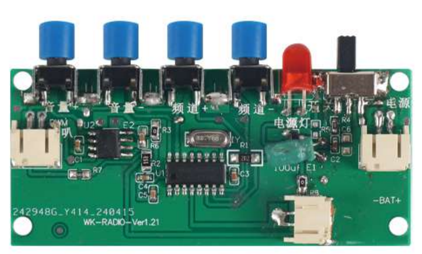
Wood chip file


Battery



## Material details display

Wheel



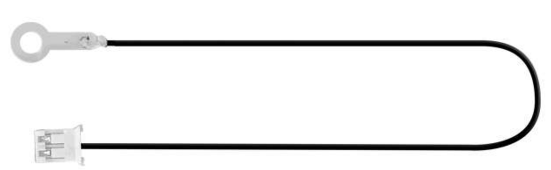
Radio circuit board

Loudspeaker

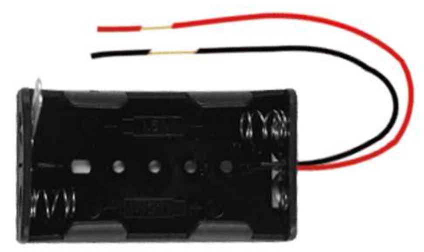
Radio antenna

Screwdriver

Iron shaft



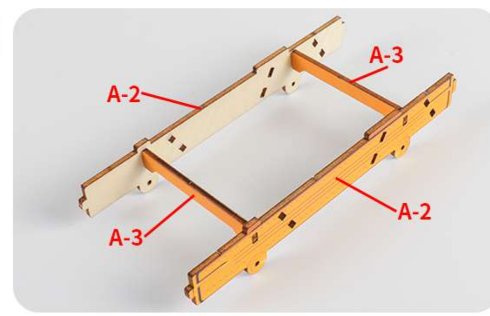
Antenna interface



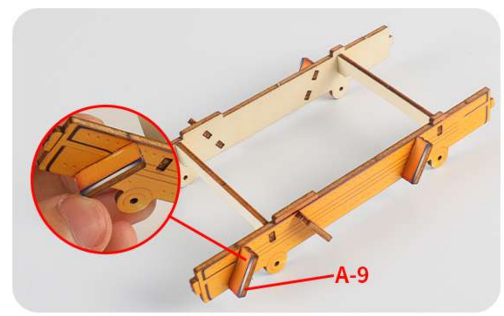
Battery box



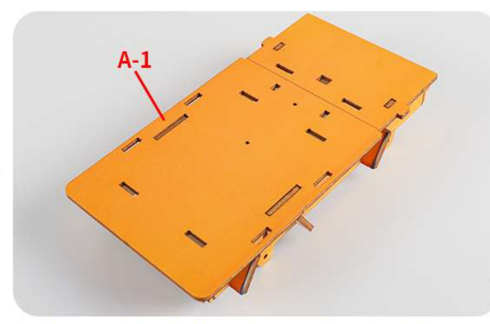
## Installation steps



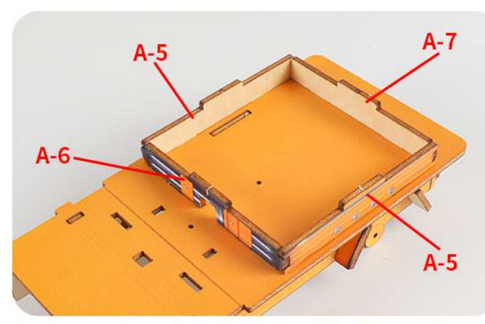

1.Assemble two pieces of A-2 and A-3 together as shown in the figure.



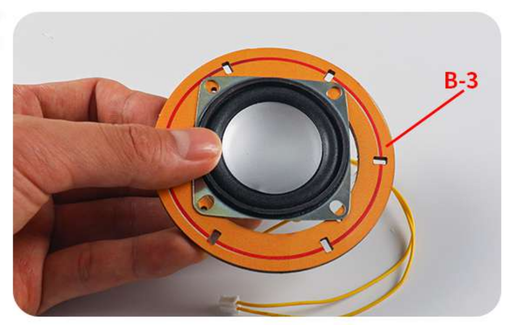

2. Install A-9 on the side of A-2, with three on each side, noting the installation orientation as shown in the figure.




3. Assemble A-1 on top, aligning the holes, and secure it in place as shown in the figure.




4. Assemble A-5, A-6, and A-7 together, then install them on the A-1 board, noting the installation direction A-6 and A-7 as shown in the figure.

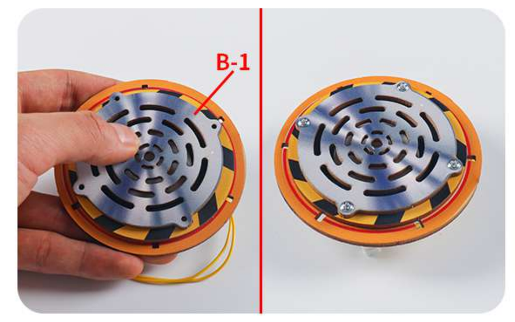



5. Thread the speaker wires through B-3, aligning the speaker holes with the screw holes on B-3 as shown in the figure.


6.Cover with B-2, aligning the screw holes as shown in the figure.

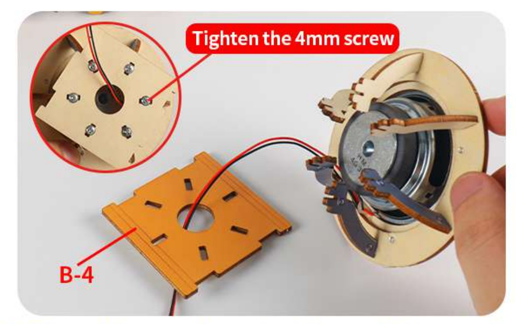


## Installation steps

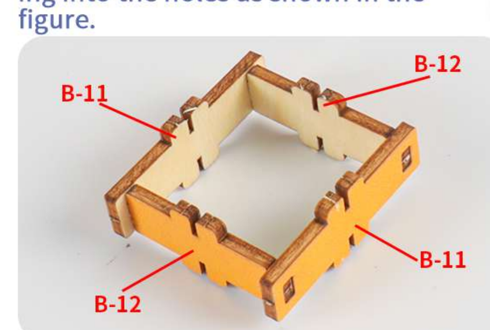



7. Install B-1 on the top, aligning the screw holes, and tighten the four 10MlM screws as shown in the figure.

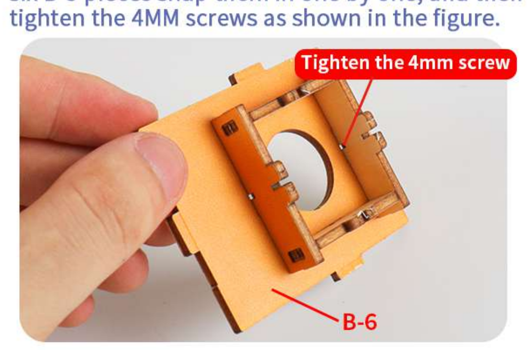

8. Install six B-5 pieces onto the B-3 board in sequence, aligning and inserting into the holes as shown in the figure.



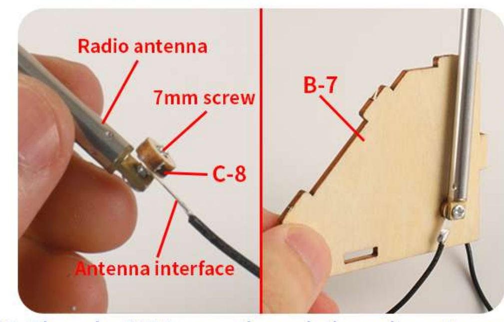

9. Thread the speaker wires through the round hole of B-4, install B-4 and the other ends of the six B-5 pieces snap them in one by one, and then tighten the 4MM screws as shown in the figure.




10. Assemble two pieces of B-11 and two pieces of B-12 together as shown in the figure.



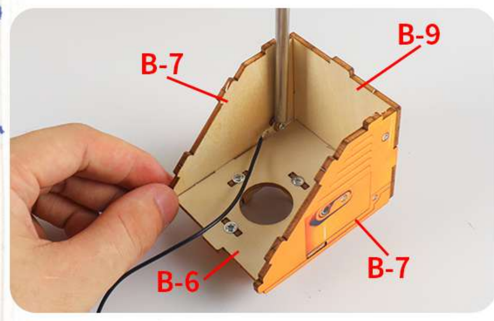

11. Install the assembled components from step 10 onto the B-6 board and tighten the 4MM screws as shown in the figure.



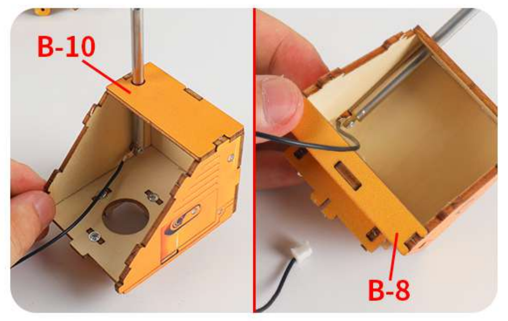

12. Thread a 7MM screw through the radio antenna, antenna port, and C-8 spacer, and install it into the hole on one of the B-7 boards, tightening the screw as shown in the figure.



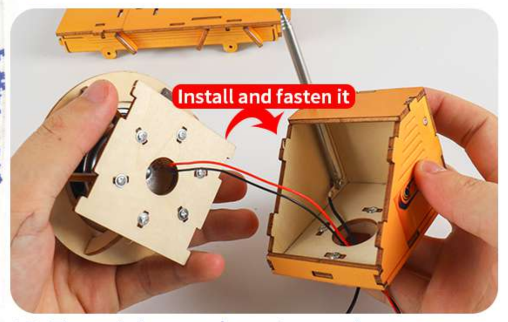
## Installation steps



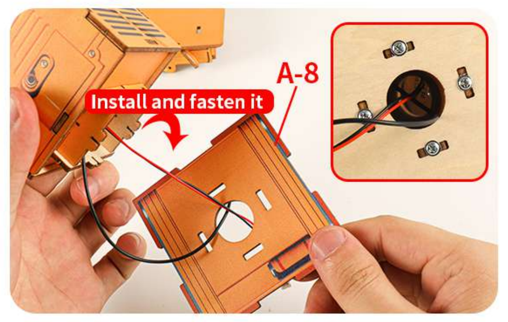

13. Assemble B-6, two pieces of B-7, and B-9 together as shown in the figure.



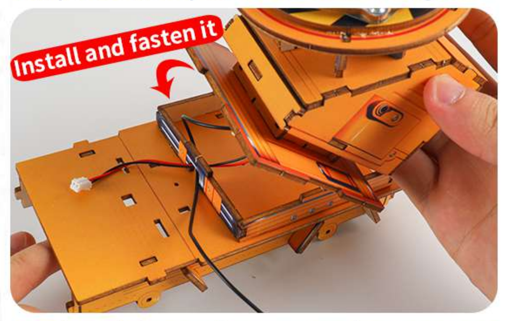

14. Install B-10 through the antenna, and install B-8 underneath as shown in the figure.



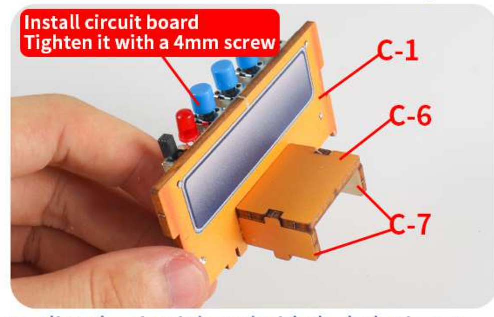

15. Thread the speaker wires and antenna connector through the holes in B-6, and install them together with the components completed in step 14 as shown in the figure.




16. Thread the speaker wires and antenna connector through the holes in A-8, align the sockets, install them,and tighten the 4MM screws at the bottom as shown in the figure.



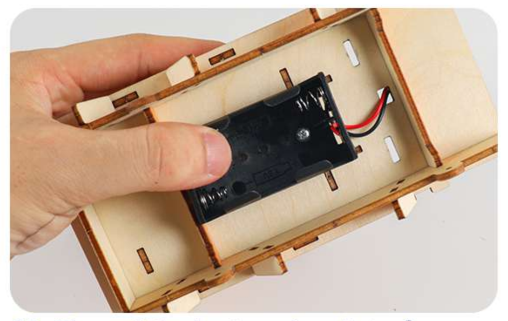

17. Thread the speaker wires and antenna connector through the holes in A-6, and install A-8 as shown in thefigure.



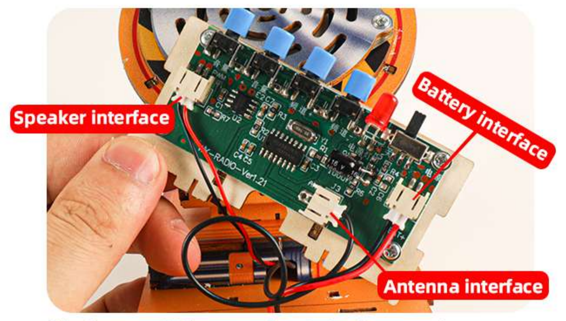

18. Align the circuit board with the holes in C-1, secure it with 4MM screws, assemble C-6 and two pieces of C-7 together, and insert C-7 into the holes of C-1 as shown in the figure.



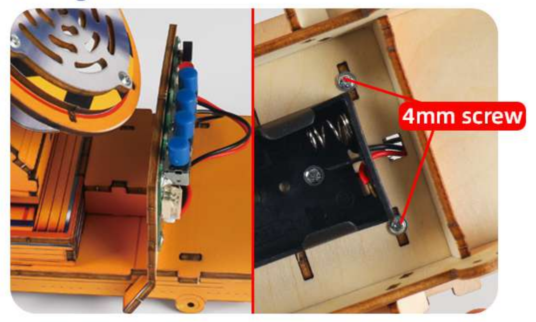
## Installation steps



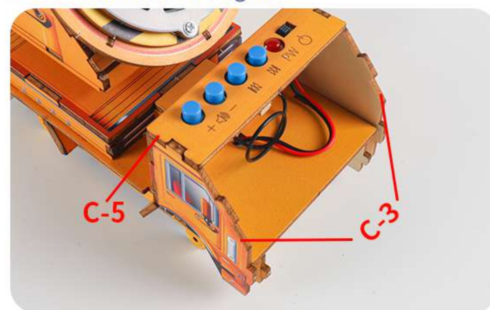
19. Thread the battery box interface through the holes from the bottom and secure it with 4MM screws as shown in the figure.




20. Connect the speaker interface, antenna interface, and battery interface to the circuit board, and then installthe circuit board on A-1 as shown in the figure.




21. Align step 20 with the holes on A-1, install it on the A-1 board, and tighten the 4MM screws as shown in the figure.




22. Install two pieces of C-3 on the left and right sides, align C-5 with the buttons on the circuit board, andinstall it as shown in the figure.


23. Install C-2 and C-4 as shown in the figure.

24. Install the wheels and battery, and the installation is complete.
Let's try it out!



## Scientific Principles

### Principles of Knowledge

The radio is an electronic device that receives radio waves and converts them into sound signals. Its basic principle is to receive radio waves through an antenna, and then process the signals through a series of electronic circuits such as amplification, demodulation, and filtering, and finally output the sound through a loudspeaker.

### Knowledge Expansion

Radio is not just an entertainment tool. It has been an important way for people to obtain information, educate themselves, and understand the world in history. With the development of technology, the functions and applications of radio are also constantly expanded. Digital radio uses digital signal processing technology to provide higher sound quality and more stable reception effect. Internet radio receives broadcast signals through the Internet, allowing users to listen to radio programs worldwide.

### Matters Needing Attention

Do not use excessive force during installation to cause damage to the parts. There are many small components, do not put them into your mouth. It is necessary to complete the experiment under the guidance of teachers or parents, and it is strictly prohibited to approach the source of fire!

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.