

Bluetooth Remote Module SA189AW User Manual

1. Specification:

The SA189AW independently developed by our company, is an intelligent wireless data transmission 2-Way Remote Control product. It is a 2-Way wireless transmission between the Remote Control with the Main Unit. SA189AW is a Bluetooth 4.0 module base on the Texas Instruments chip with an integrated 2.4GHz transceiver.

2. Application:

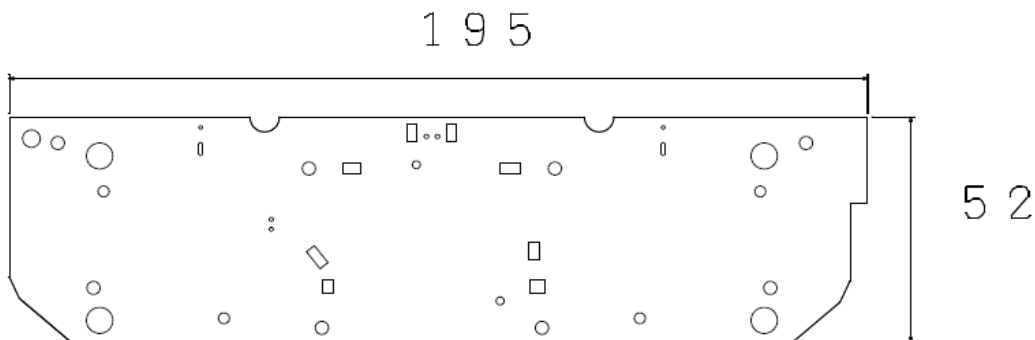
It is mainly used for data transmission between the Remote Control and Main Unit such as Sound Bar , Hi-Fi Component System and others. The module is include the keys and it can control the operation and receive the information from the main unit.

3. Features/Performance:

Type	SA189AW
Bluetooth	Bluetooth Low Energy (BLE) -compliant
Modulation Mode	GFSK
Wireless Transmission Range	10m
Frequency Range	2.402GHz - 2.480GHz
Voltage Supply	Battery 3.0V (AA x 2) , DC IN 5V (USB micro)
Operation Key	Total 21 Carbon keys
Temperature Range	0°C to 40°C (operating)
Size	195 x 52 x 1.6mm FR4 PCB

4. Module Size

unit :mm



FCC Statement

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 tuning 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 relocated 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 experienced Radio/TC technician for help.

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.

Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The transmitter module can not be located with any transmitter or antenna. The Module shall be only used with integral antenna(s) that has been originally tested and certified with this module.

End product labeling:

The final end product must be labeled in a visible area with the following :

Contains FCC ID: XXX-XXXX

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove in the user's manual of the end product which integrates this module.