Operation description:

The BC04-191 is a general purpose Bluetooth module incorporating ceramic antenna designed to be incorporated into an end product. The BC04-191 Bluetooth Module is a Class 2 Bluetooth module using BlueCore4-External chipset from Cambridge Silicon Radio, a leading Bluetooth chipset supplier. It provides a fully compliant Bluetooth system for data and voice communications. Interfaces with a host via UART (USB optional). The module and device firmware is fully compliant with the Bluetooth specification V2.0.

The module (BC04-191) is powered 3.3V from the OEM board.
It has 79 channels and hopping in normal use.
Specifications：

Item	Specification
Carrier Frequency	2400MHz to 2483.5MHz
Modulation	GFSK, 1Mbps, 0.5BT Gaussian
Channel Intervals	1MHz
Number of Channels	79
Frequency Hopping	1600hops/sec, 1MHz channel space
Receive Sensitivity	-82 dBm typ. @0.1% BER
Transmission Power	+4dBm max.
Output Interface	Full speed UART,
Power Supply	3.3V ±10%
Operating Temperature Range	-20°C to 85°C
Storage Temperature Range	-40°C to 85°C
Dimensions	30mm X 17mm X 3.15 mm
Antenna	Ceramic

- Default UART Baud Rate: 9600 baud
- Number of Bits: 8
- Stop bit: One
- Parity: None
- H/W Flow Control: Disable
- PIN: 1111
- Device Name: ZBA-SPP
- Mode: Slave
- Sleep Mode: Deep sleep when ever possible.
- Partner pairing is dropped at power off or un-pairing by master.

Please see the users manual for more detail information.