

➤ Preface

The purpose of this product specification is to provide technical information for the Bluetooth system, Product Design, manufactured and supplied by Sunitec Enterprise Co., LTD.

➤ User manual

- Bluetooth Compatible Specifications: Bluetooth 4.0
- Operating Frequency Band: 2.4GHz~2.48GHz unlicensed ISM Band
- Output Power: Class 2 Power Output, up to 10 meters
- Sensor: Advanced semiconductor oxide alcohol sensor
- Test Range: 0~190mg/100ml
- Battery Used: 120mAh (Rechargeable Lithium Polymer), 3.7V DC
- Standby time: TDB
- Adapter:DC5 V/100mA
- Charger time: about 2hours
- Weight: TBD Size: 54.5X24.9X14 mm

➤ Button Functionality

Function Key Definition	
"MFB"Button	Power ON/OFF Pairing

➤ Product appearance



➤ Pairing, Connection and disconnection

Please charge before first use

1. Power on

In shutdown mode, press "MFB" button until the red light is lit, and then releases the button.

2. Power off

In standby mode, press the "MFB" button until the red light is lit, and then releases the button.

3. Pairing

1) The BABT-01 enter paring

In shutdown mode, press and hold the button for 6 seconds, then release the button. BABT will enter pairing mode.

2) Make sure that the application installed on your mobile phone. Open the application then BABT-01 will automatically connect with your mobile phone.



4. Connection

In some cases the device could be disconnected. To restore the connection between the BABT-01 and your phone:

- 1) If the BABT-01 has been turn off: turn on the power and the connection will be restored automatically.
- 2) If the mobile phone has been switch off: turn on the mobile phone and restore the connection via the application menu.
- 3) If one of the two devices has been out of range, Back to the range of connection, the device will automatically

connect to your phone.

5.Disconnection

Sometimes you need to disconnect your phone from the BABT-01. For example, if the phone should communicate with another Bluetooth device. To disconnect the BABT-01 and your phone:

- 1).Turn off the BABT-01
- 2).Please go to the Bluetooth settings menu and Forget device.

➤ BABT-01 Operation

1. Alcohol test

1. Quickly press the “start” button on your phone application .
2. The blue LED will turn on. The blue LED stays lit that indicates the tester is in warm-up mode. The warm-up mode will last for 11secs.
3. When the blue LED flash every second after warm-up mode that indicates the tester is in testing mode. The testing mode will last for 10secs.
4. Near and below into the breath inhaler for 3~5 seconds.

2. Test result

1. If the alcohol concentration is the level: less than 0.02% BAC. The blue LED will stay lit 5 seconds and your phone will display the test result.

3. Low Voltage Protection of Battery

When the voltage of battery decreased to 3.3V, the red LED will flash 1times every 15secs, and the BABT-01 will be power off automatically when the voltage under 3.0V.

4. Charge battery

- 1、 If the battery level below 3.3V, the red LED will flash 4times/sec,then indication the battery level is low ,please charge the BABT-01.
- 2、 You can also view the battery power through mobile applications , When the battery is only a grid, please charge .
- 3、 When charging the red light will be illuminated, red light will dim after charging is completed.

➤ LED indicaton

Status		Red LED	Blue LED
Power on		OFF	Blue LED is lighted
Power off		Red LED is lighted and then flash 3 times	OFF
Pairing mode		LEDS flash in turn	
Standby Connected		OFF	Flash once every 3secs
Standby disconnect		OFF	OFF
Charging		Long bright	OFF
Charging is complete		Dim red light	OFF
Low battery		4 times/sec every 60 seconds	OFF
Warm up state			Always bright 10secs
Blow state			Flash once every sec(flash 10 seconds)
Test result	Normal (Less than 0.02% BAC)		Stays lit 5secs
	Danger (Over & equal 0.08% BAC)	Stays lit 5secs	

➤ PIO definition

PIO	Type	Function definition	Description
PIO[11]	SW1	Function button	Power on/off 、paring
AIO[0]	I	Receive sensor input	
AIO[2]	I	Detection battery level	
PIO[4]	O	Red LED	
PIO[9]	O	Output the PWM control signal	Control the sensor work
PIO[10]	O	Blue LED	
I2C_SCL	I/O	the I2C_SCL pin communicate with the AP and DSP	The AP is TAS5707(TI) and the DSP is DRD-GFS
I2C_SDA	I/O	the I2C_SDA pin communicate with the AP and DSP	

FCC INFORMATION

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.

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.

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