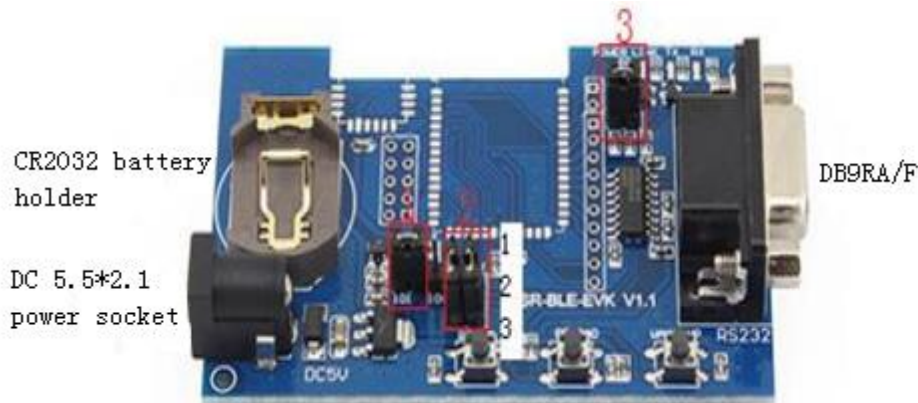# USR-BLE-EVK user manual

File Version: V1.0.0

Overview

This manual introduces the evaluation board USR-BLE-EVK for BLE series products(USR-BLE100, USR-BLE101).

1.Introduction

The dimension(length*width) of board is 80*50mm. User can power the board by DC 5V adaptor or 3V button cell(model: CR2032). When user adopts 3V button cell to power the board, user can remove short-circuiting cap from No.3 red line area to avoid power consumption by LED.

1.1.Short-circuiting cap function

In figure of **1.Introduction**, three red line areas are three parts where can connect short-circuiting cap to realize different function. Specific function as follow:

Number	Function
1	Short-circuit left part to power the USR-BLE101 and short-circuit right part to power the USR-BLE100.
2	Short-circuit 1 and 2 to enable USR-BLE100 TX/RX serial port communication; short-circuit 2 and 3 to enable USR-BLE101 TX/RX serial port communication.
3	Short-circuit to power the LED and remove short-circuiting cap to disable LED.

1.2.Interface

Type	Name	Description
External interface	DC 5.5*2.1 power socket	To plug in DC 5V adaptor.
	DB9RA/F	9-Pin serial port cable female interface.
	CR2032 battery holder	To place 3V button cell.
LED	Power	Light after powering the module.
	LINK	Light after establishing Bluetooth connection.
	TX	To indicate module serial port TX status.
	RX	To indicate module serial port RX status.

Button	nReset	Reset the module.
	nReload	Restore module to default settings.
	WAKE_UP	Wake up pin.

2.Contact Us

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4.Update History

2017-12-25   V1.0.0 established.