Bluetooth Adapter User's Guide

Features

- Fully qualified Bluetooth® version 2.1 module, supports version 2.1 + EDR.
- Backwards-compatible with Bluetooth version 2.0,1.2, and 1.1.
- Low power consumption. .
- UART SPP data connection interface.
- RS-232 communication interface.
- Sustained SPP data rates: 19200bps and 38400bps.
- Support for 802.11 Co-Existence.
- Size: 64mm x 26mm x 20mm.
- Environmentally friendly, RoHS compliant.

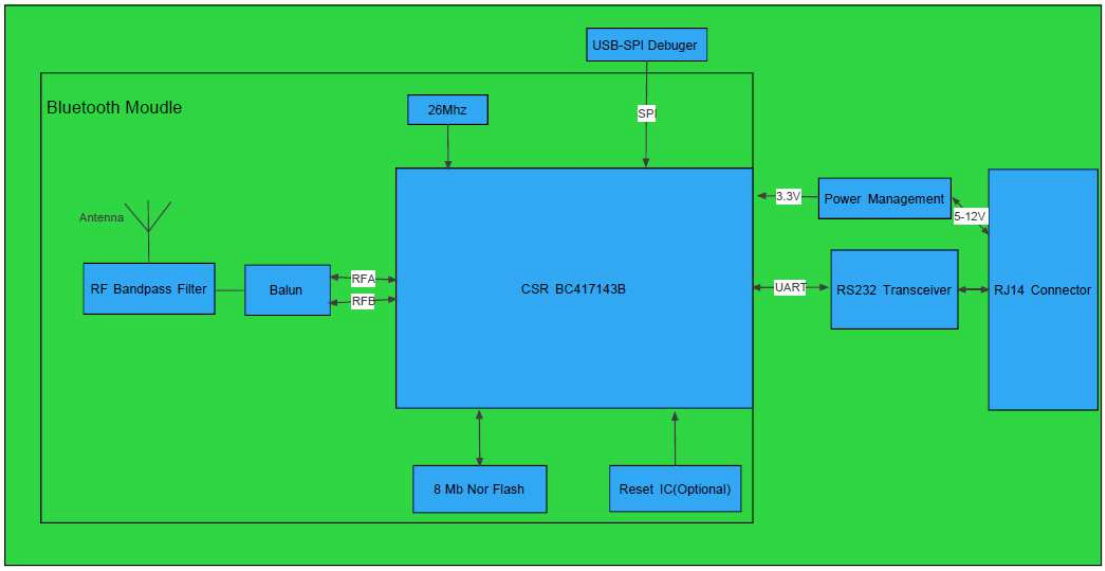
Applications

- Cable replacement
- Measurement and monitoring systems
- Industrial sensors and controls

Description

The Stanley bluetooth adapter is designed to meet the Stanley Automatic-door application. The Stanley Automatic-door can accquire wireless capability when using this bluetooth adapter, it make configuring the door easier and more convenient by a mobile phone or notebook with bluetooth over the air. Also, we can use a mobile device with bluetooth to configure the bluetooth adapter over-the-air RF,so it is ideal to be used to cable replacement. Simpler hardware connection,4-pin RJ14 hardware communication interface, a 4P cross-over telephone wire needed only. Two LEDs show the bluetooth adapter (BTA) work state and power status.

Block Diagram



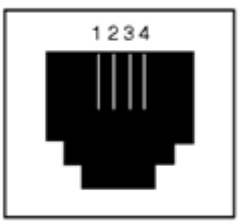
Electrical Characteristics

Absolute Maximum Ratings:		
Parameter	**Min**	**Max**
Supply Voltage(DC)	3.8V	13V
Supply Current		100mA
Carrier Frequency	2402Mhz	2480Mhz
Storage Temperature	-40 ℃	+80 ℃
Storage Relative Humidity		90%

Recommended Operating Condition:		
Parameter	**Min**	**Max**
Supply Voltage(DC)	5V	12V
Operating Temperature Range	-20 ℃	+75 ℃

Communication Connector

RJ14



Pin	Name	Description
1	GND	Ground
2	TX	RS-232 driver output
3	RX	RS-232 recevier input
4	PWR	5-12V Supply power

BTA COM PORT SETTINGS

Setting	Value
Baud rate	19200 or 38400 bps
Data rate	8 bits
Parity	None
Stop bits	1
Flow control	None

LED Status

The adapter has two LEDs to show its work state. The one is red, the other is blue. the red LED will be solid on when the supply power is good. The blue LED indicates the BTA different work mode at different blink rate. Blue LED status show as below:

Mode	Blue LED Blink Rate
Inquiring/Idle	1HZ
Connecting	5HZ
Connected	Solid on

FCC STATEMENT:

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.

Warning: 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

- English: "
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device."

- French:"
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareil s radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil nedoit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

Industry Canada Statement:
This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: 1) this device may not cause interference and 2) this device must accept any interference, including interference that may cause undesired operation of the device.
IC Radiation Exposure Statement: This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

Avis d'Industrie Canada
Cet appareil est conforme à la norme CNR-210 des règlements d'Industrie Canada. Son fonctionnement est sujet aux deux conditions suivantes:
1) Cet appareil ne doit pas provoquer d'interférences et
2) Cet appareil doit accepter toutes les interférences, y compris celles pouvant entraîner son dysfonctionnement.
Avis d'Industrie Canada sur l'exposition aux Rayonnements: Cet appareil est conforme aux limites d'exposition aux rayonnements d'Industrie Canada pour un environnement non contrôlé.

Precaución para los usuarios:

Los cambios y las modificaciones no aprobadas expresamente por la parte responsable del cumplimiento podrían invalidar la autoridad del usuario a utilizar este equipo.

Nota: Este equipo ha sido probado y es compatible con los límites de un dispositivo digital de Clase B, según el párrafo 15 del Reglamento de FCC. Dichos límites han sido definidos con el fin de proporcionar una protección razonable contra interferencias perjudiciales en una instalación residencial. Este equipo genera, utiliza y puede irradiar energía en radiofrecuencia y, si no se instala y utiliza de acuerdo con las instrucciones, podría provocar interferencias perjudiciales en la recepción de ondas de radio o televisión, lo cual puede determinarse apagando y encendiendo el equipo. Animamos al usuario a intentar corregir las interferencias llevando a cabo una o más de las siguientes medidas:

- Reorientar o colocar la antena receptora en otro lugar.
- Aumentar la separación entre el equipo y el receptor.
- Conectar el equipo a un enchufe perteneciente a un circuito distinto al que pertenece el enchufe al que está conectado el receptor.
- Consulte a su proveedor o a un técnico experimentado en radio /TV para más información.