Bluetooth USB Dongle

Installation Manual

1. Introduction

1-1. Bluetooth Technology

Bluetooth offer a revolutionary technology for wireless connection. The Bluetooth technology makes the dream come true for human's life which bring the connections wirelessly within a certain distance for our desktop / laptop with those devices which built-in Bluetooth function such as printer, fax machine, PDA or mobile phone ..... and so on.

1-2 About "Bluetooth"

Bluetooth is a standard for data transfer wirelessly between devices. For data transfer, the two Bluetooth devices must establish connection firstly.

Before the connection established, one (A) of the device has to request for connection receive (refuse) for the other device (B).

We may take A as client and B is host. Most Bluetooth devices (such as PC, PDA, NB) could be client and host in the same time, excluded mobile phone, headset or speaker with built-in Bluetooth.

Installing driver would ask the client of Bluetooth for the connection with host device. For example, with this driver we could make the linking with another PC, printer or with modem. So each host device it has to be ready to answer the request from the client.

2. Hardware installation

2-1 USB extension cable, CD-ROM, manual.

2-2 Spec.

	Bluetooth Transceiving Key Bluetooth Transceiving Module
General	
H/W Interface	USB
Bluetooth Spec.	Ver. 1.1
Compliance	
Throughput	About 723Kbps(data channels)
Operating Volt.	5V from USB interface
Operating Range	Up to 100M for open space
Regulatory Approval	FCC, CE, BQB(Bluetooth Qualified)
Temperature	Storage temp:0℃~+80℃ Operating temp:0℃~+80℃
Radio	
Spread Spectrum	Frequency Hopping Spread Spectrum(FHSS) Compliant with FCC part 15
Frequency Range RF Channels	2.4~2.4835GHz(2.4GHz ISM Band) 79-channel system for USA, Japan, and Europe (except France, 23-channel system for France)
Modulation	GFSK, BT=0.5
Output Power Class	Bluetooth Power Class 2
Output Power	+0.5dBm(Max.)
Receiver Sensitivity	Better than –80dBm with BER<0.1%
Max Input Level	-20dBm
Power Control	NO
Base Band	
Physical Links	Support ACL link
Network Capabilities	Support piconet point-to-point and point-to-multipoint connections (acatternet to be supported soon)
Link Manager	
3-slot Packets	Yes
5-slot Packets	Yes
Slot Offset	Yes
Timing Accuracy	Yes
Switch	Yes
Hold Mode	Yes
Sniff Mode	Yes
Test Mode	Yes
Part Mode	Yes

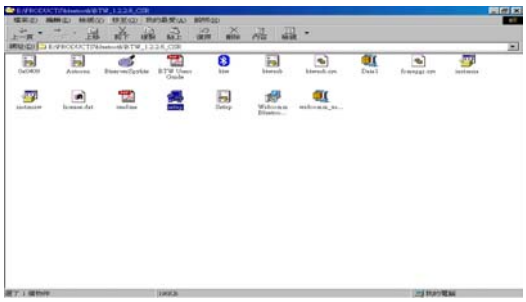
RSSI	Yes
Power Control	Yes
Authentication	Yes
Encryption	Yes
Software	
System Support	Windows 98/2000/ME/XP
Profile Support	Generic Access Profile/Service Discovery Profile/Serial Port Profile/Dial-Up Networking Profile/Fax Profile/LAN Access Profile/Generic Object Exchange Profile/File Transfer Profile/Object Push Profile/Synchronization Profile

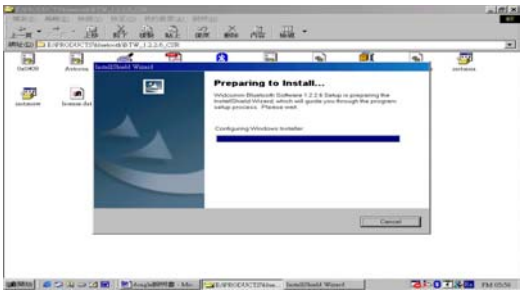
3. Software setting

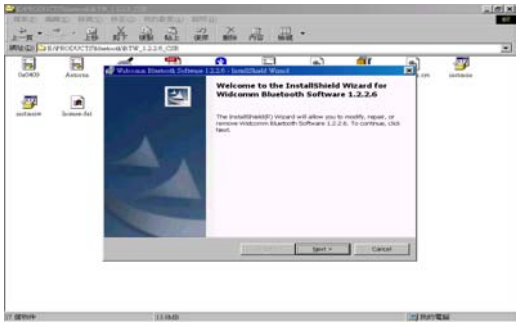
3-1 Please close all program file before installing driver.

3-2 Insert CD-ROM and setup

1. Select ST-US-BD file
2. Select setup and start the installation.





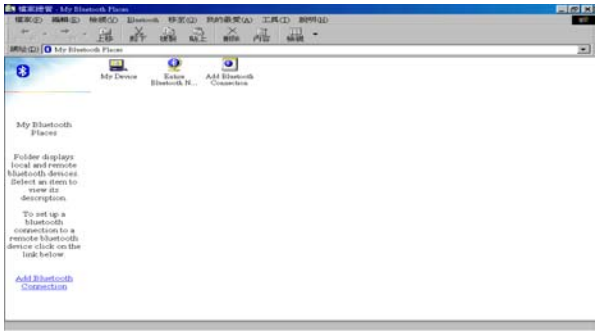


3-3 Finished installation, please reset the system

4. Application

4-1 Plug-n-play for Bluetooth function

4-2 After installing, you'll see "My Bluetooth Place" on the screen table please click this file then you'll see as shown below



4-3 **Bluetooth profile:**

Bluetooth Serial Port

Dial-up Networking

Fax

File Transfer

Information Exchange

Network Access

Information Synchronization

Email: sales@stjohn.com.tw

Website: www.stjohn.com.tw

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.

(2)This device must accept any interference received, including interference that may cause undesired operation.

15.105 Federal Communications Commission (FCC) Requirements, Part 15

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.

Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.