

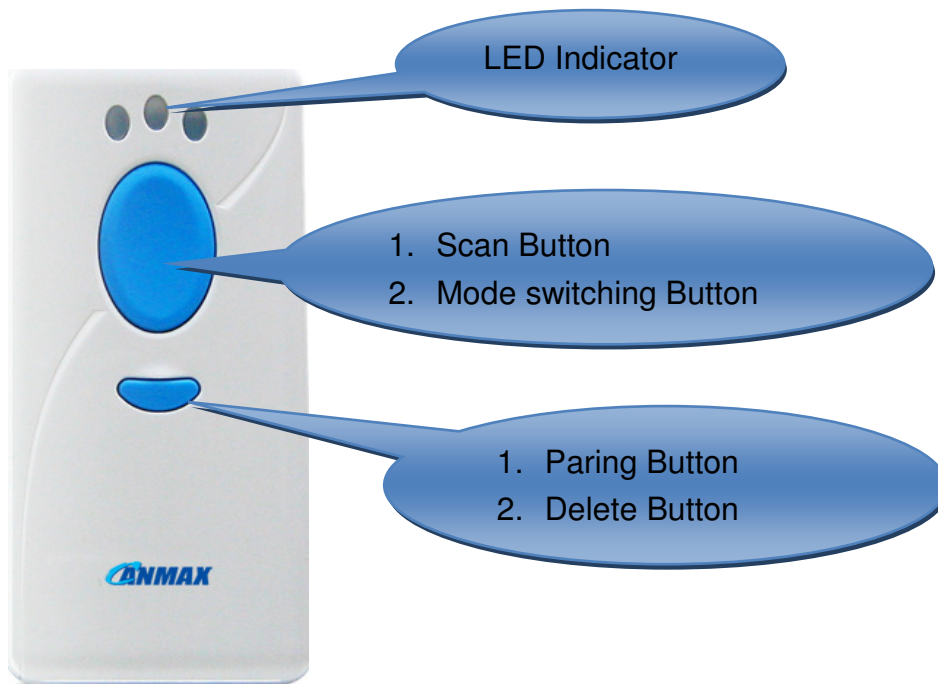
Bluetooth Connection & software Instruction Guide.



[This Instruction guide explains four different types
Bluetooth Connection]

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Scanner Operation Description



1. Scan / Mode Switching Button:

- (1) **Scan:** Press the button once, it will scan the barcode.
- (2) **Mode Switch:** When switching scanning mode, press and Hold the button, the green LED indicator will be flashing until RED indicator shown with a Beep sound.
- (3) **When scanner is in Bluetooth Mode (wake up from sleep mode):** press the delete/ paring key once, the **Orange** LED indicator will start flashing, wait for few seconds, the device will wake up from sleep mode, and re-establish Bluetooth connection automatically.

Note: When the Bluetooth connection is established, if user does not use the scanner for some period of time, the scanner will enter into sleep mode, and the Bluetooth will disconnect from the devices.**connection Sleep mode.**

2. Delete/Pairing button:

- (1) **When scanner is in memory mode**, press the delete/pairing key will trigger the LED beam, point the LED beam to the previously scanned barcode label, scanner will delete that previously scanned barcode data from the flash memory.
- (2) **When scanner is in memory mode**, Press and Hold the delete/Pairing key, the Orange LED indicator will be flashing until RED Indicator shown with a beep sound. IT will erase all the barcode data in the flash memory.
- (3) **When scanner is in Bluetooth Mode**, Press and Hold the delete/Pairing key, the **Orange** LED indicator will be flashing, wait until the **BLUE** LED indicator on and successful beep sound, release the key and it will connect to Bluetooth dongle or third party Bluetooth devices.
- (4) **When scanner is in Bluetooth Mode(wake up from sleep mode)**: press the delete/ pairing key once, the **Orange** LED indicator will start flashing, wait for few seconds, the device will wake up from sleep mode, and re-establish Bluetooth connection automatically.
- (5) **When scanner is in Bluetooth Mode (Bluetooth Disconnection)**: Press and hold the delete/ pairing key, Orange LED indicator on, wait until **Orange** LED Indicator turns flashing (approximately 3 sec.), by releasing the key will disconnect the Bluetooth connection.

Special Function: Apple Ipad OSK (Mode 4: Virtual keypad switching).
When scanner is connected with Ipad: press delete/ pairing key once, user can switch the virtual keypad (on/ off) display from Ipad word processing software.

3. LED Indicator, description from right to left:

- (1) **Power indicator (Red LED)**: when the battery is running low, pressing the scan key, the red LED will be indicated. During the recharging process, the red LED will be always on. When recharging process is completed, the red LED will be flashing slowly while cable is plugged in. During the battery recharging process, if Red LED indicator flashing rapidly, it means recharging abnormal. Please contact local distributor.

- (2) **Good read Indicator (Orange LED)**: In wireless Bluetooth and USB mode, when the barcode label is successfully read, Orange LED indicator will be shown.
- (3) **Wireless communication Indicator (Blue LED)**: When initiating Bluetooth connection, Blue LED indicator will be flashing, if the Bluetooth connection is established, the blue LED indicator will be on.

How to know if scanner is in Bluetooth Wireless Mode?

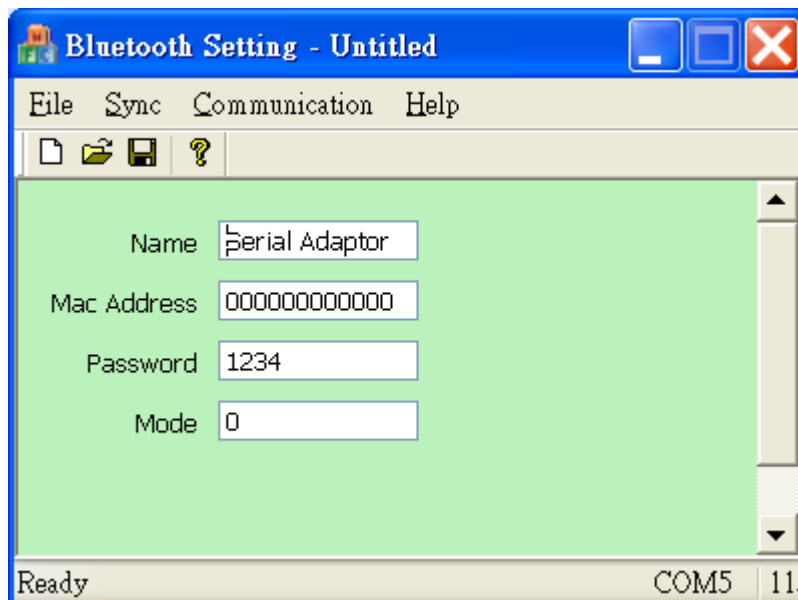
Press the Scan key, and make sure the Blue LED indicator is on or flashing, If Blue LED indicator is not showing, that means the scanner is in Memory mode. Press and Hold the Scan/Mode Switching key for few seconds, it will switch to Bluetooth Wireless mode.

How to connect the scanner with Econnect Bluetooth

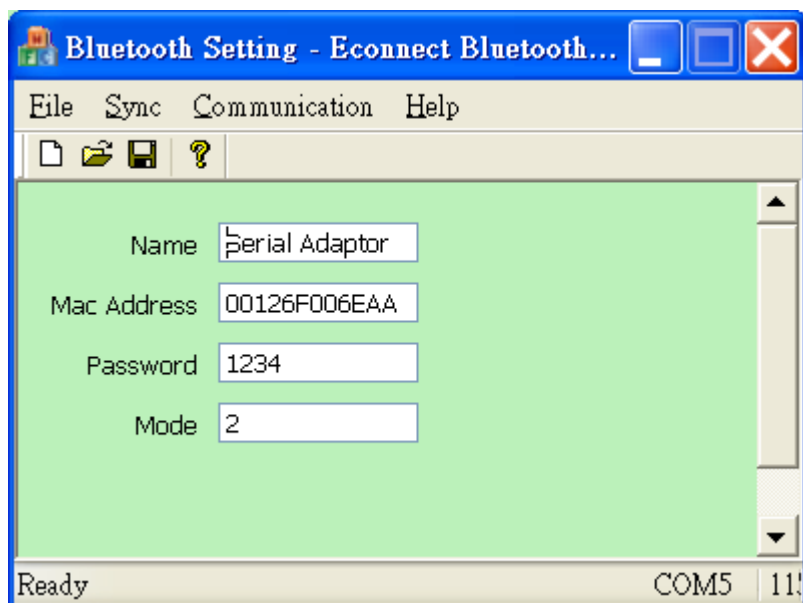
Dongle Mode

Procedure:

1. Connect scanner with PC by USB cable, and Set the scanner to ISP mode. (Please see appendix in page 30).
2. Execute “Bluetooth Setting” software. (For more Information, please refer to Bluetooth setting instruction guide).



3. configure scanner Bluetooth parameters, including Dongle Mac Address and make sure Bluetooth connection Mode is set as “2” (Econnect Bluetooth Dongle mode).



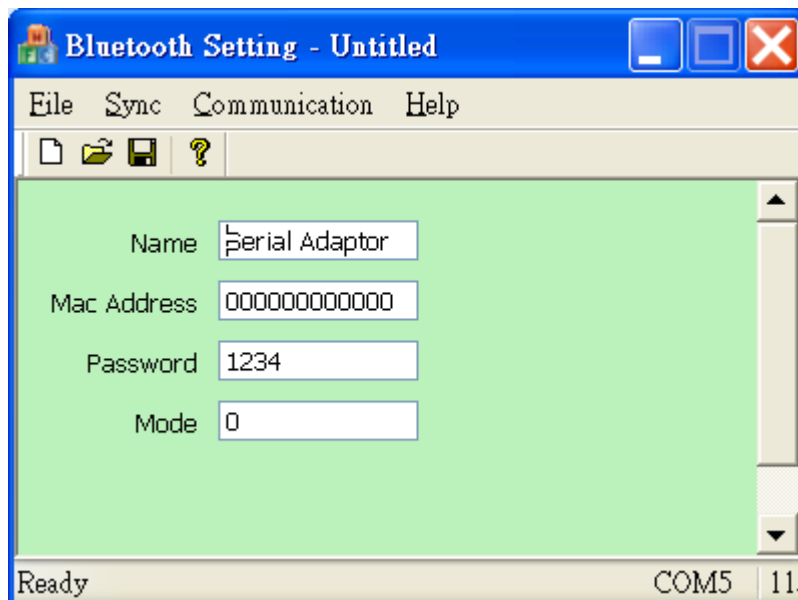
4. Download the Bluetooth parameter settings to scanner (For More information, please refer to Bluetooth setting instruction guide).
5. Disconnect the connection between Bluetooth setting software and scanner.
6. Insert USB Bluetooth Dongle to PC.
7. Make sure the scanner is in Bluetooth mode. If scanner is in memory mode, press and hold the Scan/ mode switching button for few seconds to switch to Bluetooth Mode.
8. When connecting scanner and Bluetooth Dongle, Press and hold the Pairing/delete button for few seconds to establish the Bluetooth connection. If connection successful, the Blue LED indicator will be on. If not, please check the Bluetooth parameters setting.
9. When Bluetooth Connection established, execute any word processing software, for example: Word, notepad, Excel and etc. to receive to barcode data.

How to connect the scanner with Econnect Bluetooth

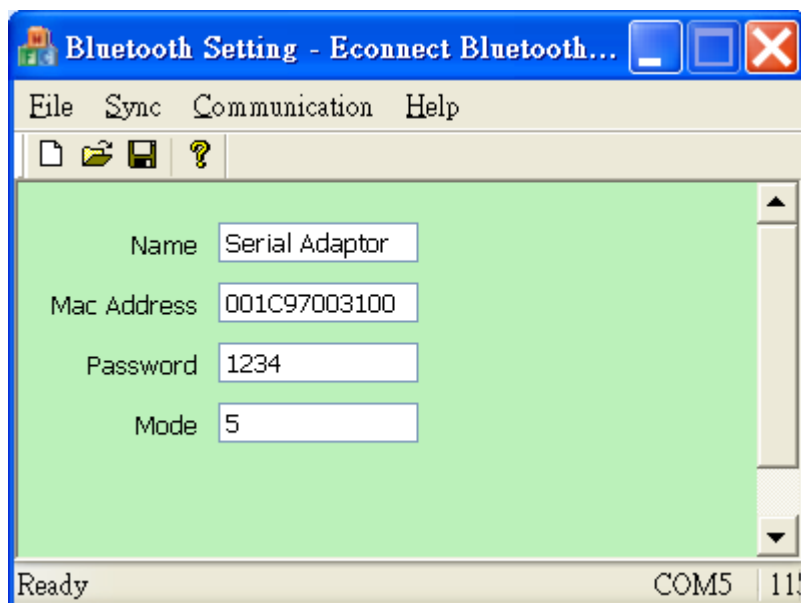
Dongle2 Mode

Procedure:

1. Connect scanner with PC by USB cable, and Set the scanner to ISP mode. (Please see appendix in page 30).
2. Execute “Bluetooth Setting” software. (For more Information, please refer to Bluetooth setting instruction guide).



3. Configure scanner Bluetooth parameters, including Dongle Mac Address and make sure Bluetooth connection Mode is set as "5" (Econnect Bluetooth Dongle2 mode).



4. Download the Bluetooth parameter settings to scanner (For More information, please refer to Bluetooth setting instruction guide).
5. Disconnect the connection between Bluetooth setting software and scanner.
6. Insert USB Bluetooth Dongle to PC.
7. Make sure the scanner is in Bluetooth mode. If scanner is in memory mode, press and hold the Scan/ mode switching button for few seconds to switch to Bluetooth Mode.
8. When connecting scanner and Bluetooth Dongle, Press and hold the Pairing/delete button for few seconds to establish the Bluetooth connection. If connection successful, the Blue LED indicator will be on. If not, please check the Bluetooth parameters setting.
9. When Bluetooth Connection established, execute any word processing software, for example: Word, notepad, Excel and etc. to receive to barcode data.

How to connect the scanner with build-in Windows Bluetooth Device in HID Keyboard Mode

1. Connect scanner with PC by USB cable, and Set the scanner to ISP mode. (Please refer to appendix in page 30).
2. Execute “common1.exe” (Instruction, please refer to Bluetooth setting instruction guide).

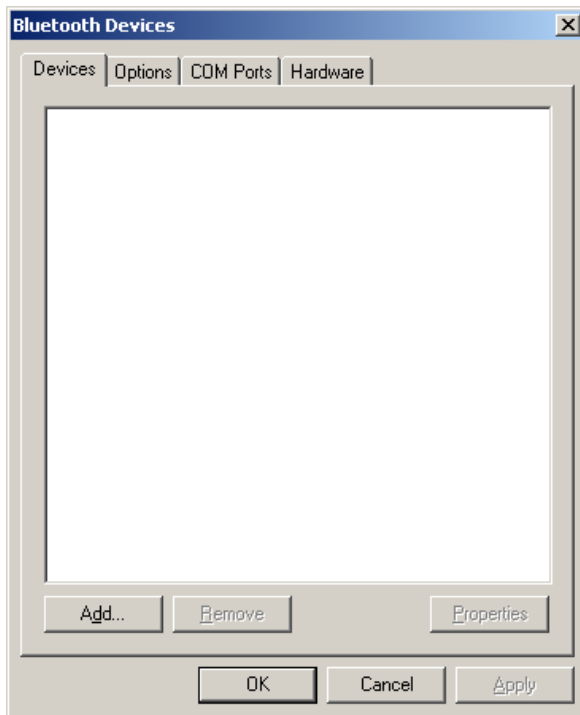


3. Configure scanner Bluetooth parameters, including Dongle Mac Address and make sure Bluetooth connection Mode is set as “3” (HID Keyboard mode).



4. Download the Bluetooth parameter settings to scanner (please refer to Bluetooth setting instruction guide).

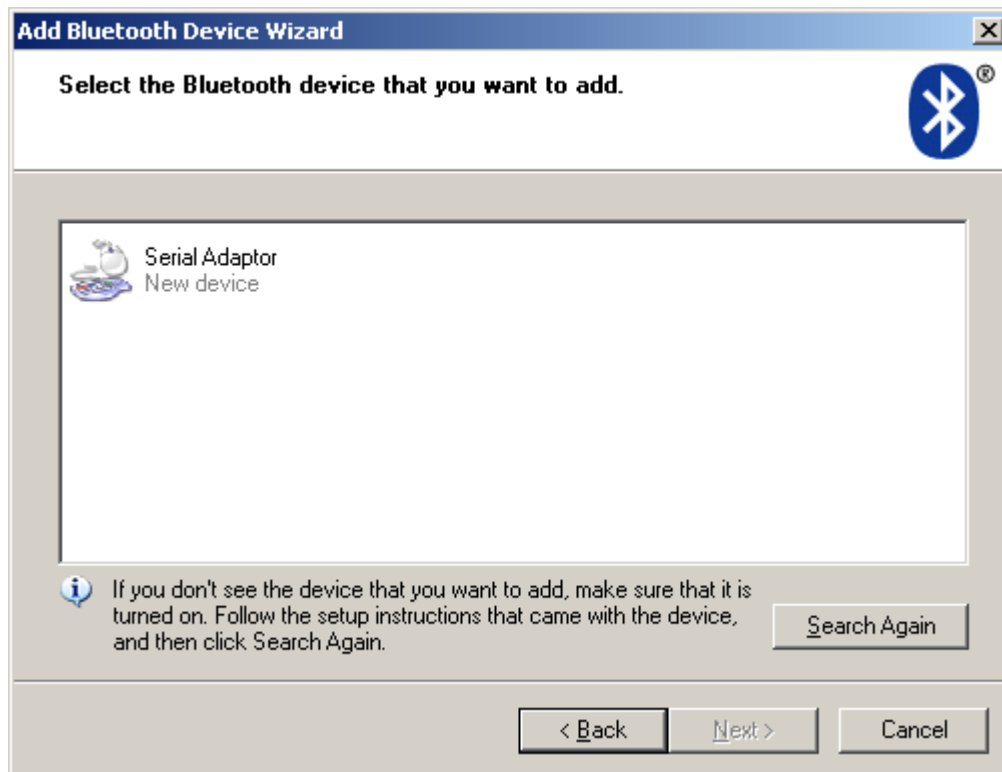
5. Disconnect the connection between Bluetooth setting software and scanner.
6. Make sure the scanner is in Bluetooth mode. If scanner is in memory mode, press and hold the Scan/ mode switching button for few seconds to switch to Bluetooth Mode.
7. Plug in the Bluetooth dongle to PC and access to build in Windows Bluetooth Devices.



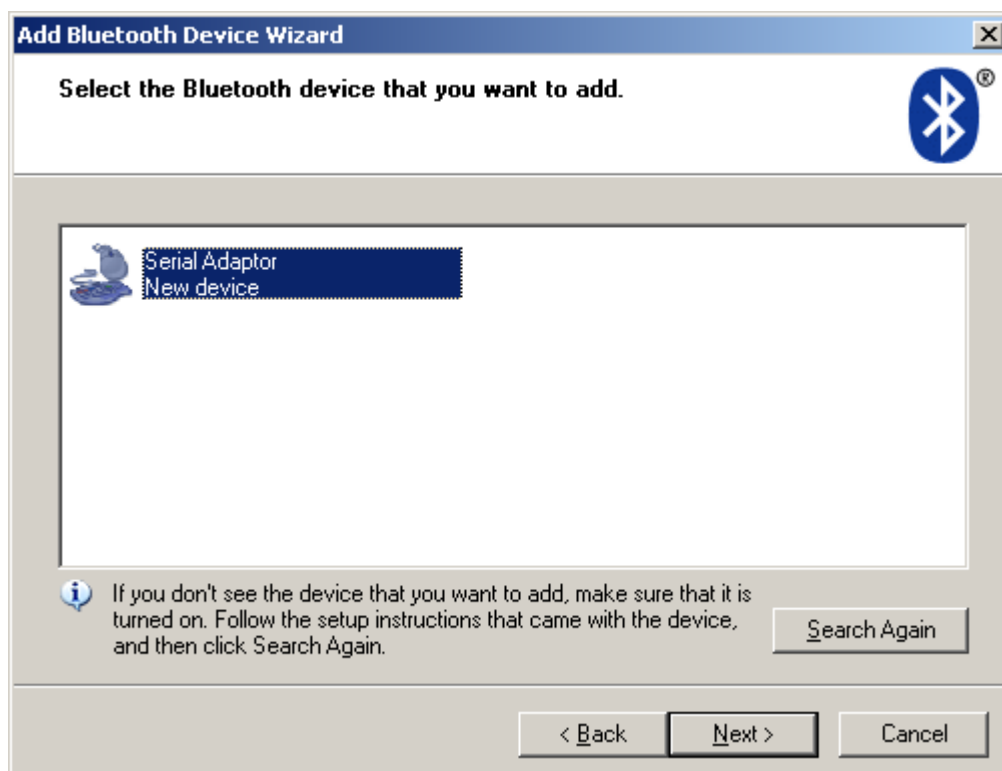
2. Select "Add" button.



From the SCANNER, press and hold the small blue pairing button for few seconds until the orange LED turns off, and Blue LED Flashing. On the “Add Bluetooth Device wizard”, and select “Next”. It will start searching for the Bluetooth devices. If searching succeeds, it will show as following screen.



Select the device for paring process.



Select “Next”, the screen will request for Passkey information.

Add Bluetooth Device Wizard

Do you need a passkey to add your device?

To answer this question, refer to the "Bluetooth" section of the documentation that came with your device. If the documentation specifies a passkey, use that one.

☒ Choose a passkey for me

☐ Use the passkey found in the documentation:

☐ Let me choose my own passkey:

☐ Don't use a passkey

You should always use a [passkey](#), unless your device does not support one. We recommend using a passkey that is 8 to 16 digits long. The longer the passkey, the more secure it will be.

< Back Next > Cancel

From the screen, select “Let me Choose my own passkey” and specify the passkey, for example: “1234”. (Note: user can specify preferable passkey)

Add Bluetooth Device Wizard

Do you need a passkey to add your device?

To answer this question, refer to the "Bluetooth" section of the documentation that came with your device. If the documentation specifies a passkey, use that one.

☐ Choose a passkey for me

☐ Use the passkey found in the documentation:

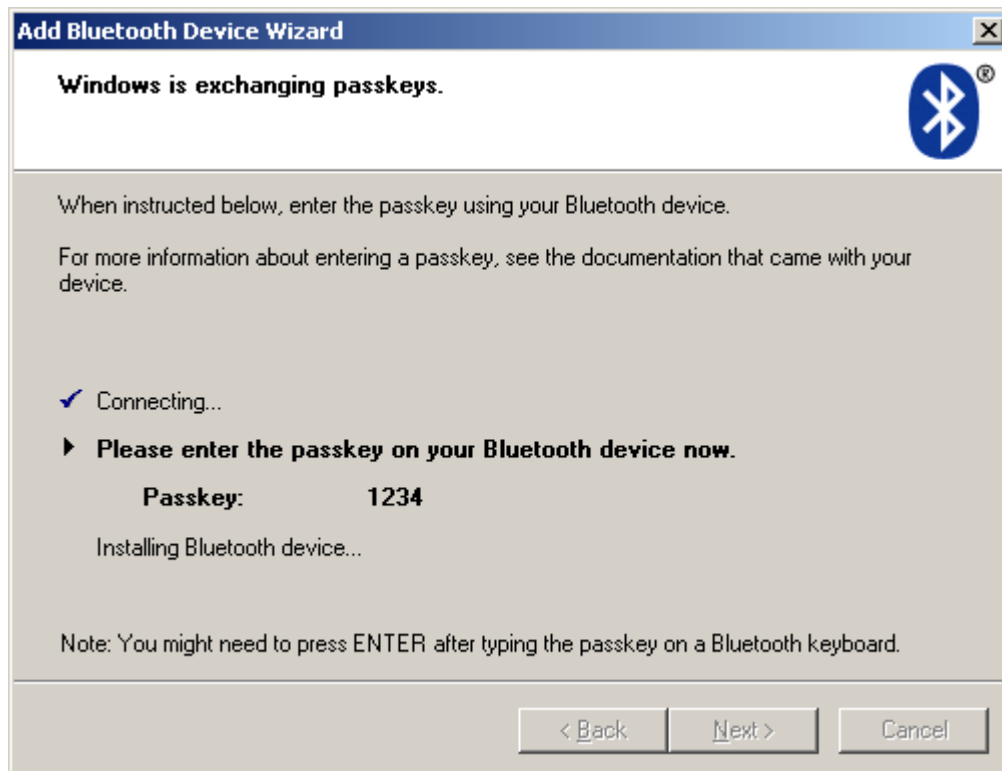
☒ Let me choose my own passkey:

☐ Don't use a passkey

You should always use a [passkey](#), unless your device does not support one. We recommend using a passkey that is 8 to 16 digits long. The longer the passkey, the more secure it will be.

< Back Next > Cancel

3. Select “Next” for passkey verification.



From the SCANNER, it will indicate the beep sound to notify the user to use the scanner to scan the passkey barcode, for example: "1234". (Please print out the appendix (page 30) and scan the barcode. "1 → 2 → 3 → 4 and SET".

If the passkey verification fails, please select "Back" to resume the previous action. (Re-entering the passkey and scanning passkey action).

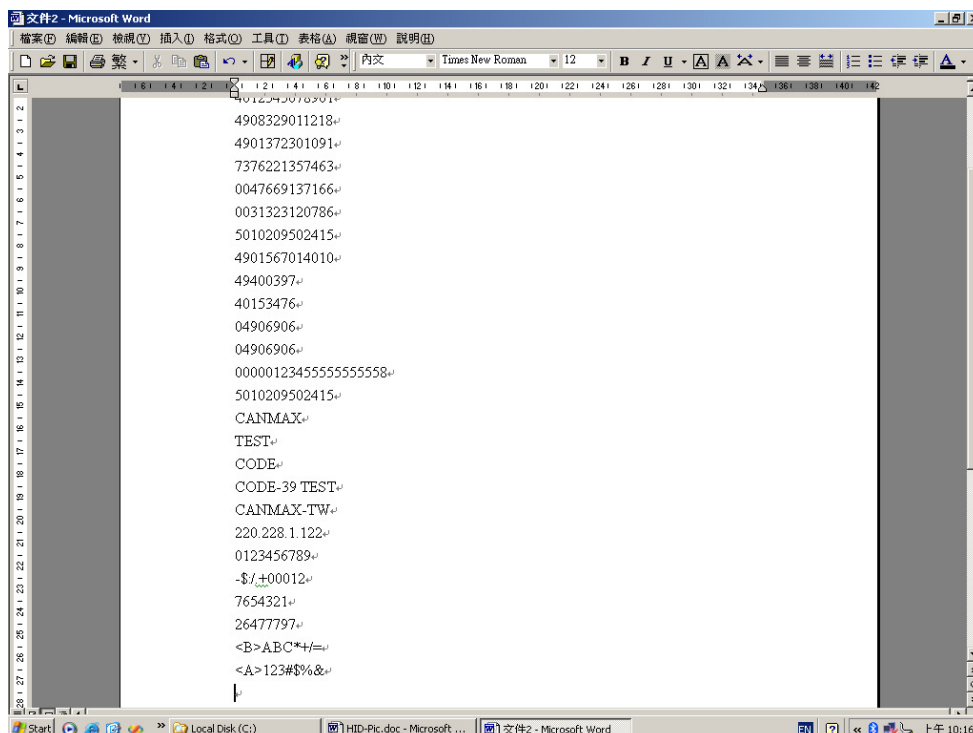


If the passkey verification succeeds, the screen will show as following.



Select “Finish” to complete the Bluetooth device wizard, when connection succeeds, the scanner BLUE LED will be ON.

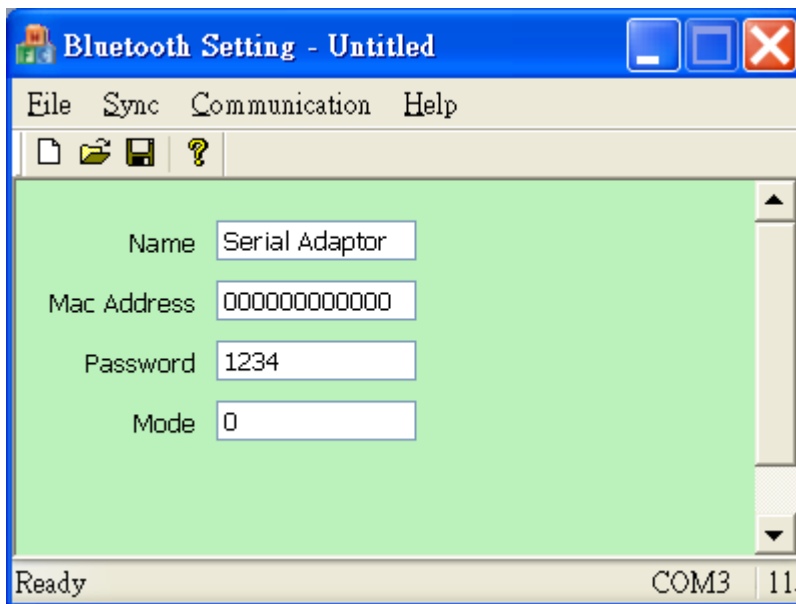
User now can access to Word or Excel word processing software to receive the barcode data by the scanner.



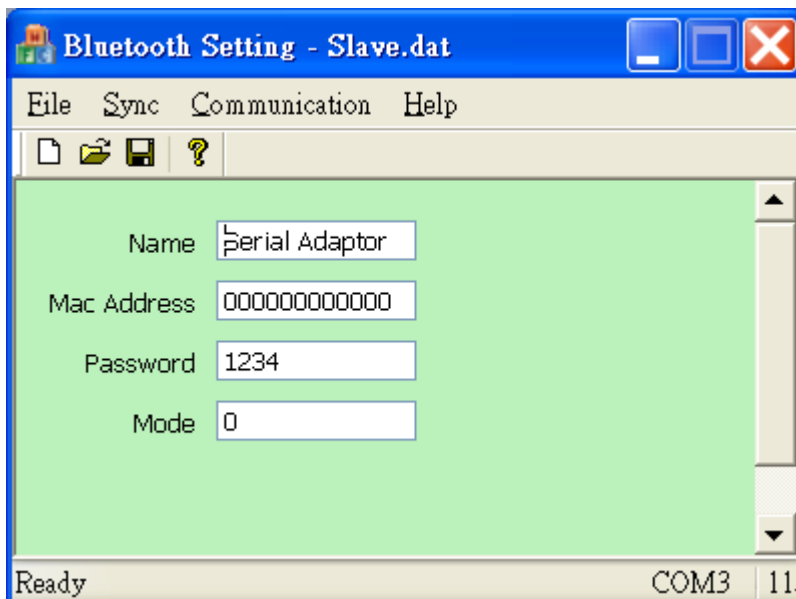
How to connect the scanner with build-in Windows Bluetooth Device in Slave Mode

Procedures:

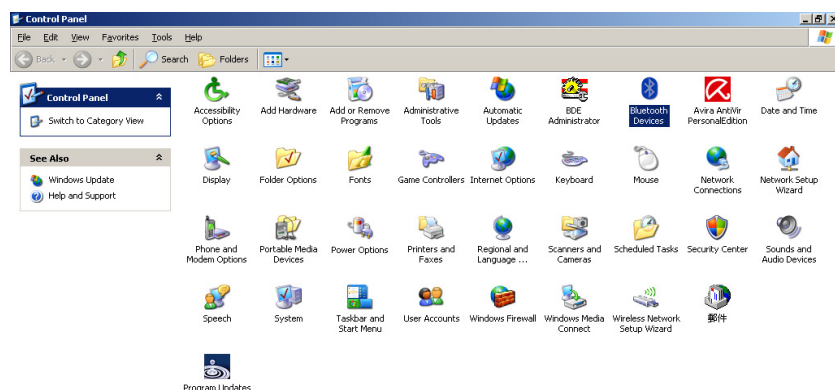
- Connect scanner with PC by USB cable, and Set the scanner to ISP mode. (Please see appendix in Page 30)
- Execute “common1.exe” (For more information, please refer to Bluetooth setting instruction guide).



- Configure the scanner Bluetooth parameters, including Dongle Mac Address and make sure Bluetooth connection Mode is set as “0” (Slave mode).



- Download the Bluetooth parameter settings to scanner (please refer to Bluetooth setting instruction guide).
- Disconnect the connection between Bluetooth setting software and scanner.
- Make sure the scanner is in Bluetooth mode. If scanner is in memory mode, press and hold the Scan/ mode switching button for few seconds to switch to Bluetooth Mode.
- Insert the Bluetooth dongle to PC, and go to Control Panel. Please refer to the screen below.



Configure and manage your Bluetooth devices.

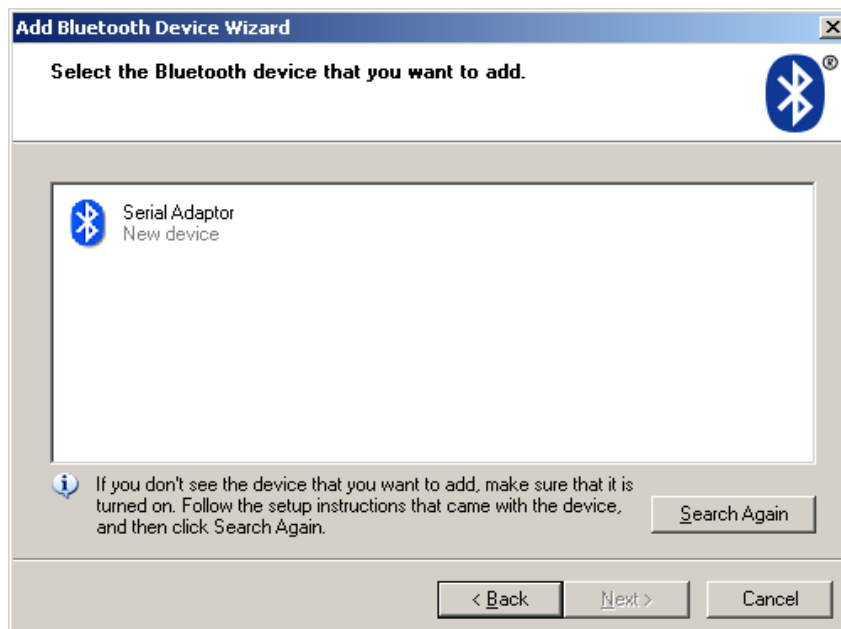
Select Bluetooth devices; please refer to the following screen.

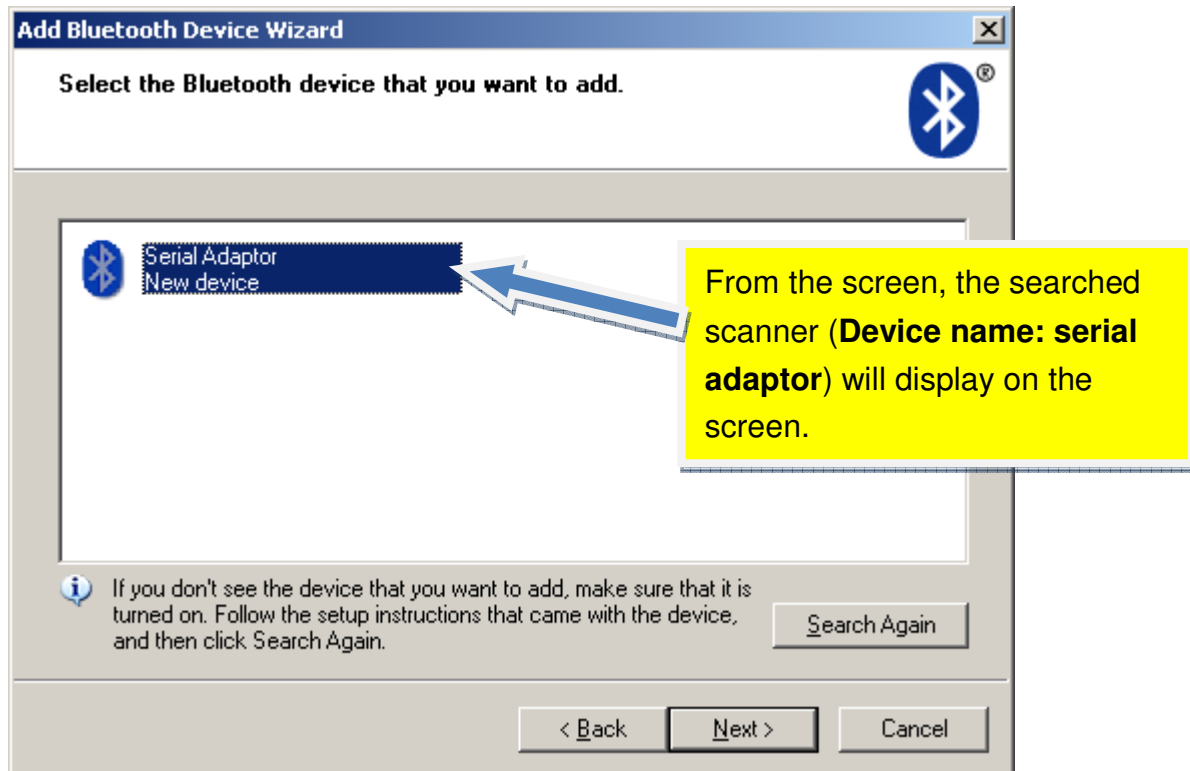


Under Devices tab, select “Add” button”.

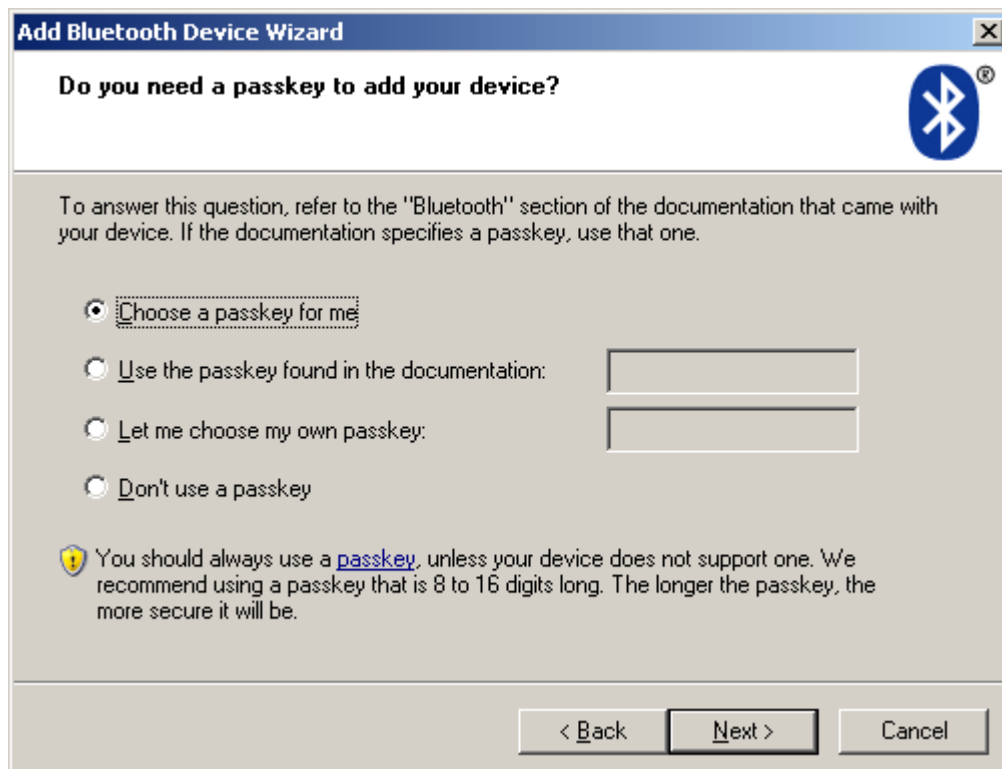


After Scanner and Bluetooth dongle are paired, select “Next”, the device wizard will start searching for Bluetooth scanner, if Bluetooth scanner found, it will appear as following:

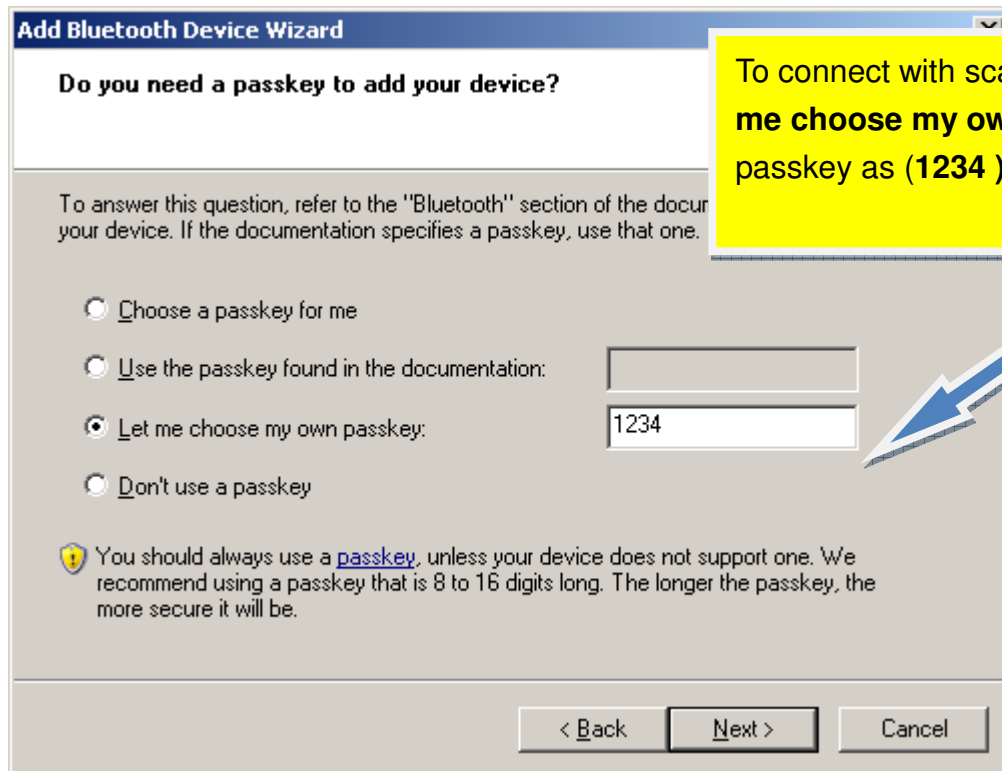




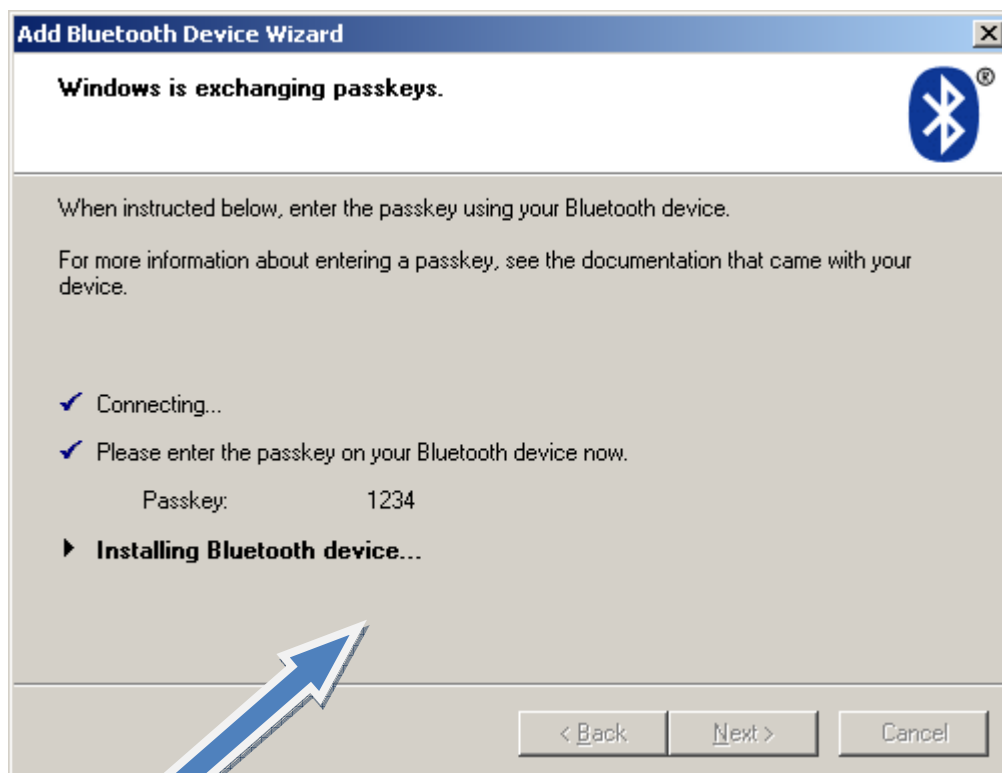
Select the scanner (Serial Adaptor). And select “Next” button.



This enables to configure the Bluetooth passkey setting.



After specified the passkey, select “Next” button.



This screen shows the Bluetooth connection status, and verifying the passkey.

When connection succeeded, the screen appears as below.



From this screen, it indicates the scanner has been added to the build-in Windows Bluetooth device, and the scanner can use two com ports to receive barcode data, for example: Outgoing COM Port (COM5), and Incoming COM port (COM6).

What is Outgoing COM port and Incoming COM port?

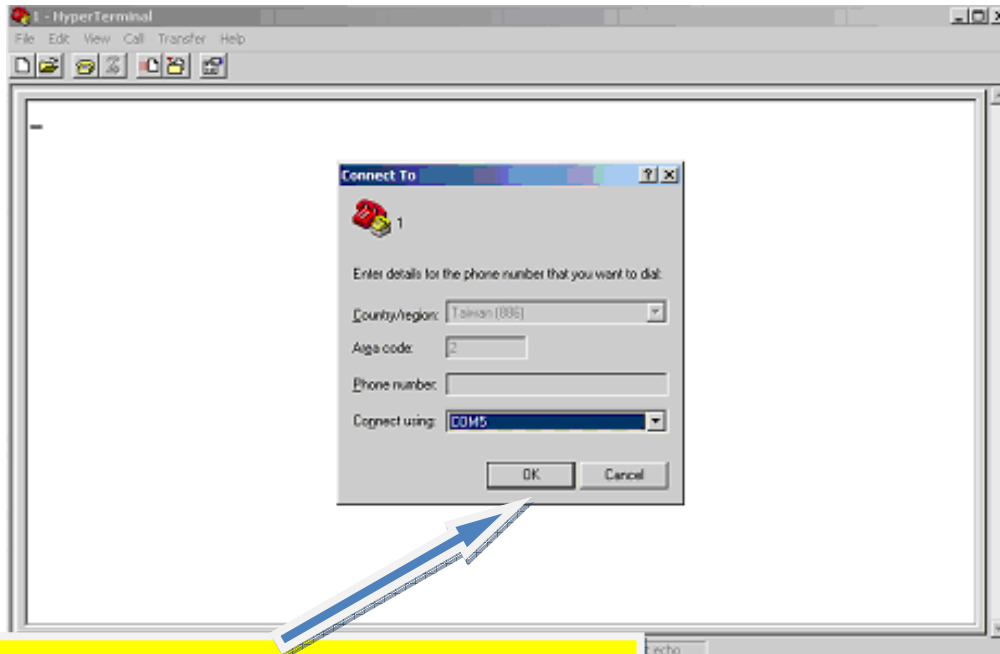
- **Outgoing COM port:** When the scanner is set as “**Slave**” mode and connected by other Bluetooth devices. Outgoing COM port must be selected.
- **Incoming COM port:** When the scanner is set as “**Master**” mode and initiates the connection to Bluetooth device. Incoming COM port must be selected.

For how to configure Master or Slave Mode, please refers to “Bluetooth setting” software instruction guide or user manual (Page21).

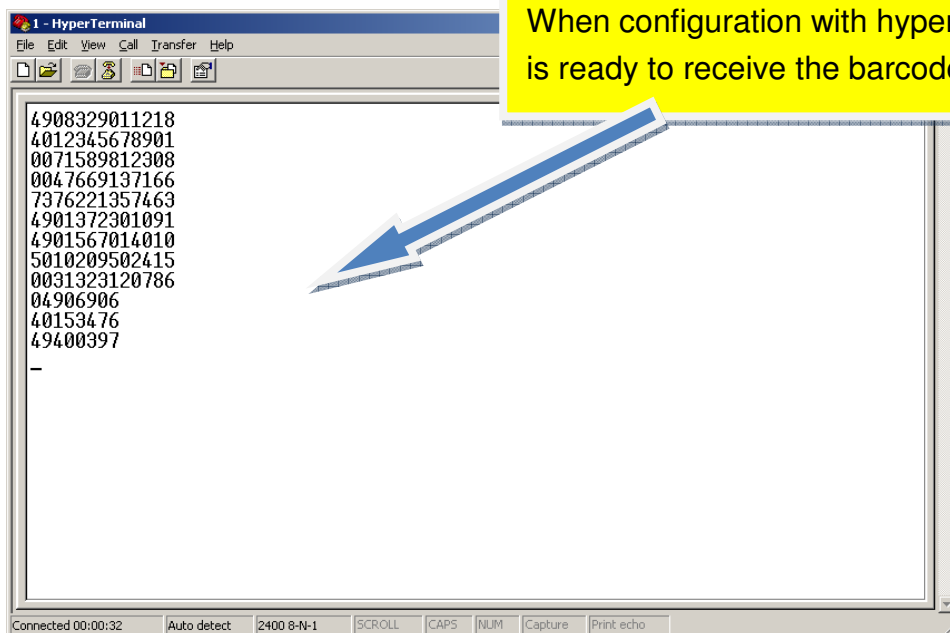
When the scanner and Bluetooth connection established, please execute “Hyper Terminal” to received barcode data.

COM port Selection in Hyper Terminal

- Execute “Hyper Terminal” and set the connection as “Outgoing COM port (COM5)”. Please refer to the screen below.



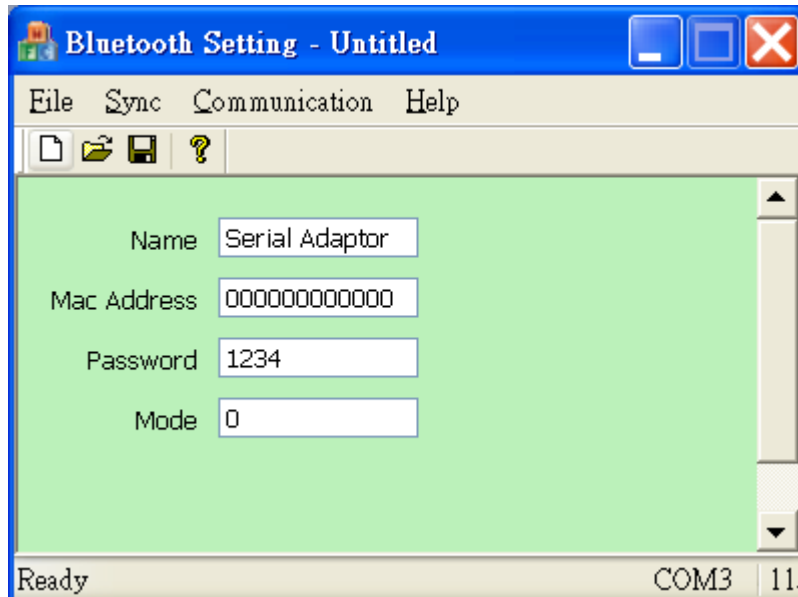
After specified the COM port, select “OK” button for connection. When the connection succeeded, it will indicate with a beep sound.



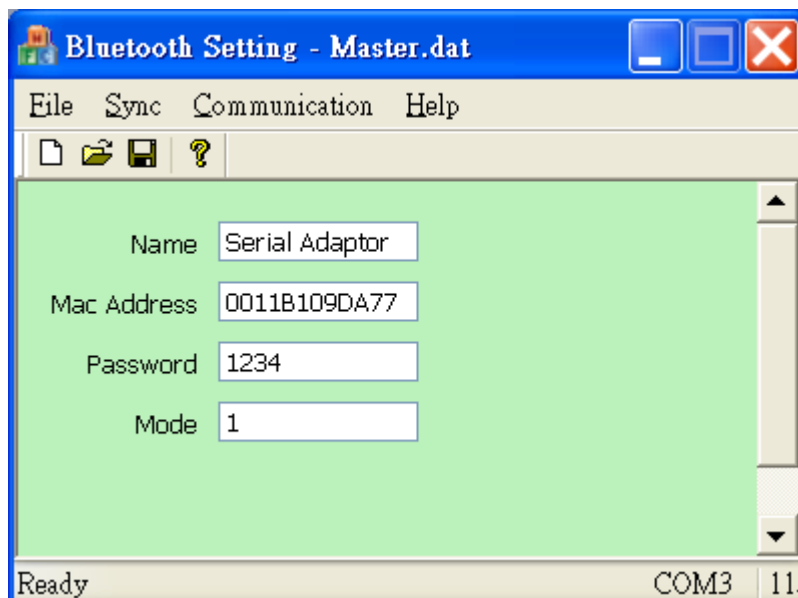
When configuration with hyper terminal succeeded, it is ready to receive the barcode data from scanner.

How to connect the scanner with build-in Windows Bluetooth Device in Master Mode

- Connect scanner with PC by USB cable, and Set the scanner to ISP mode. (Please see appendix in page 30).
- Execute “common1.exe” (For more information, please refer to Bluetooth setting instruction guide).



- Configure scanner Bluetooth parameters, including Dongle Mac Address and make sure Bluetooth connection Mode is set as “1” (Master mode).



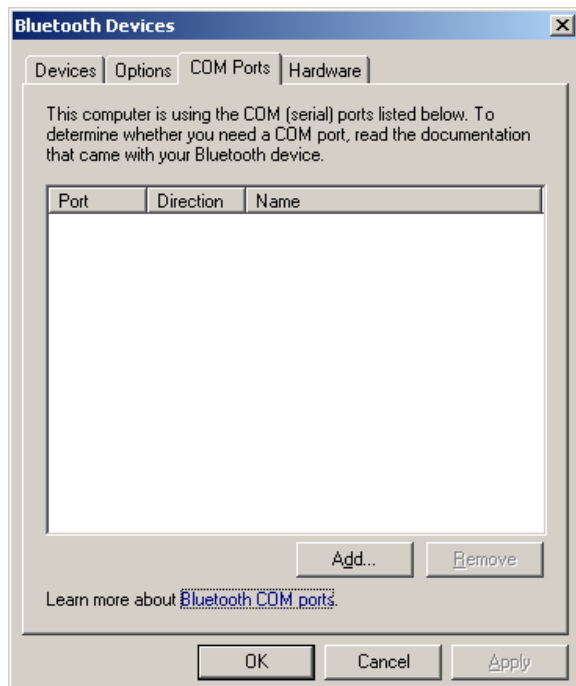
- Download the Bluetooth parameter settings to scanner (please refer to Bluetooth Setting instruction guide).
- Disconnect the connection between Bluetooth setting software and scanner.

- **Make sure the scanner is in Bluetooth mode. If scanner is in memory mode, press and hold the Scan/ mode switching button for few seconds to switch to Bluetooth Mode.**

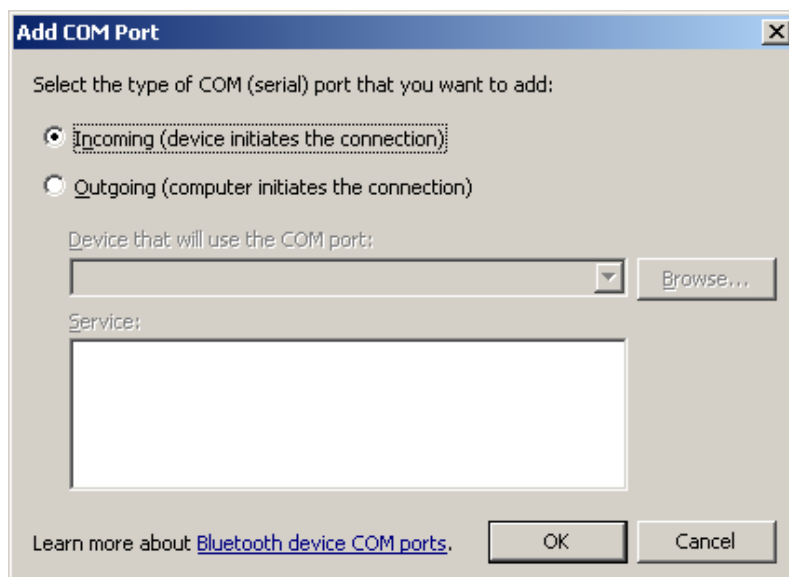
Plug in the Bluetooth dongle to PC and access to build in Windows Bluetooth Devices.



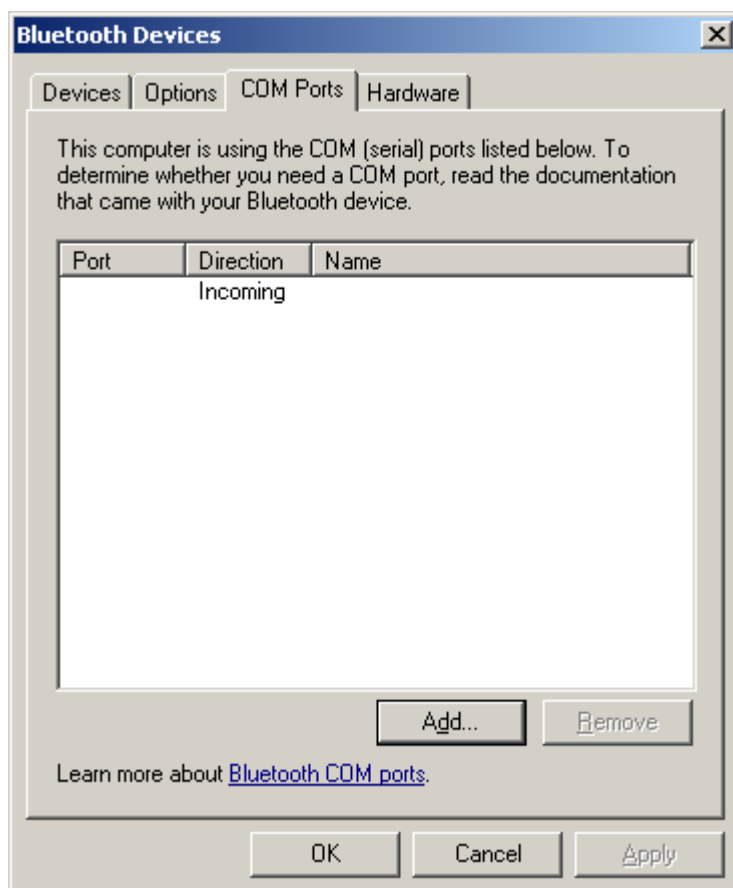
Please go to “Com Port” option.



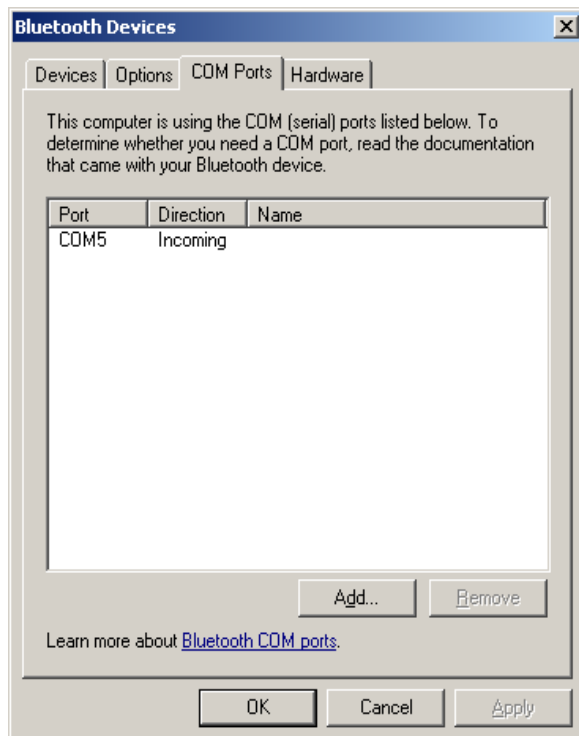
Select “Add” button”



Select “Incoming (device initiates the connection)” and “OK”

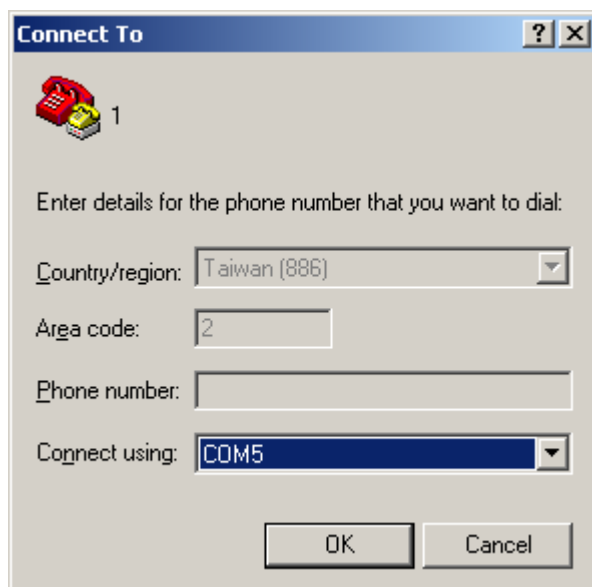


Wait for few seconds for COM port detection.

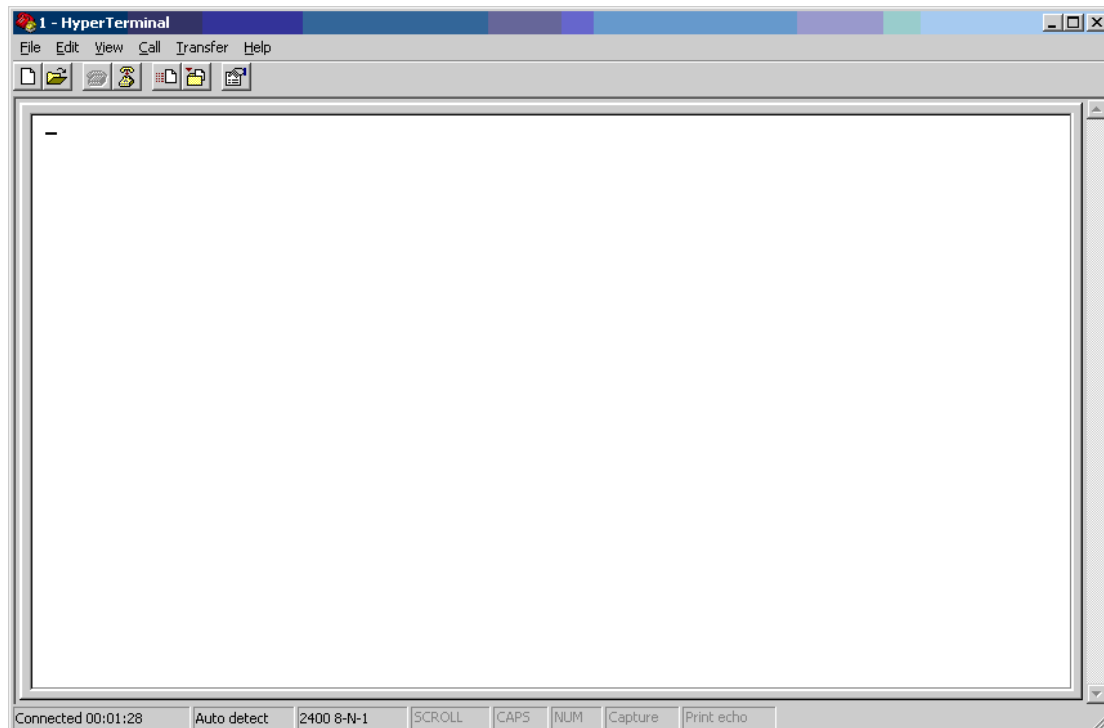


From the screen, the COM port is detected as COM5. And select “OK”

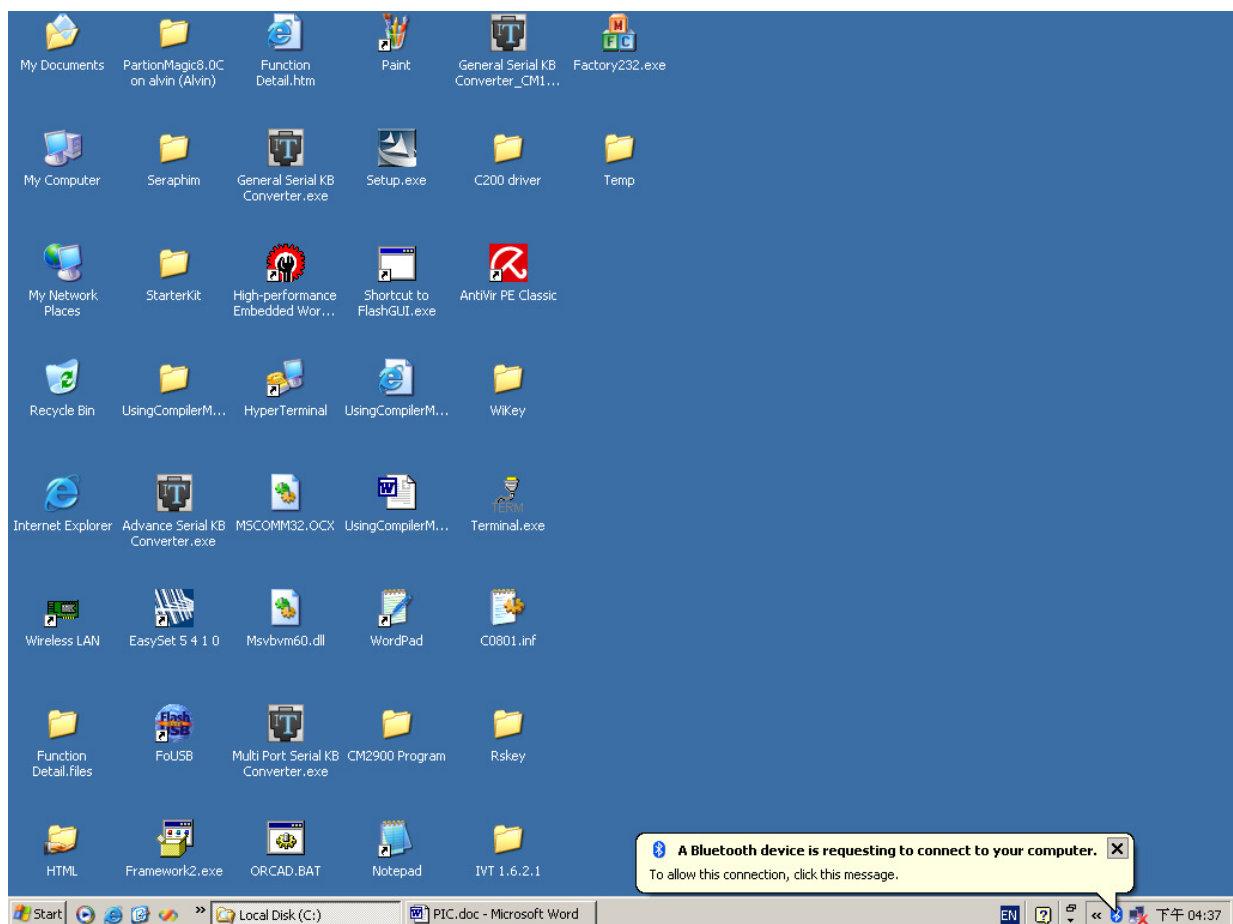
1. Please access to “Hyper Terminal”, and select the “Connection using” as COM 5 (this is the Bluetooth COM port detection).



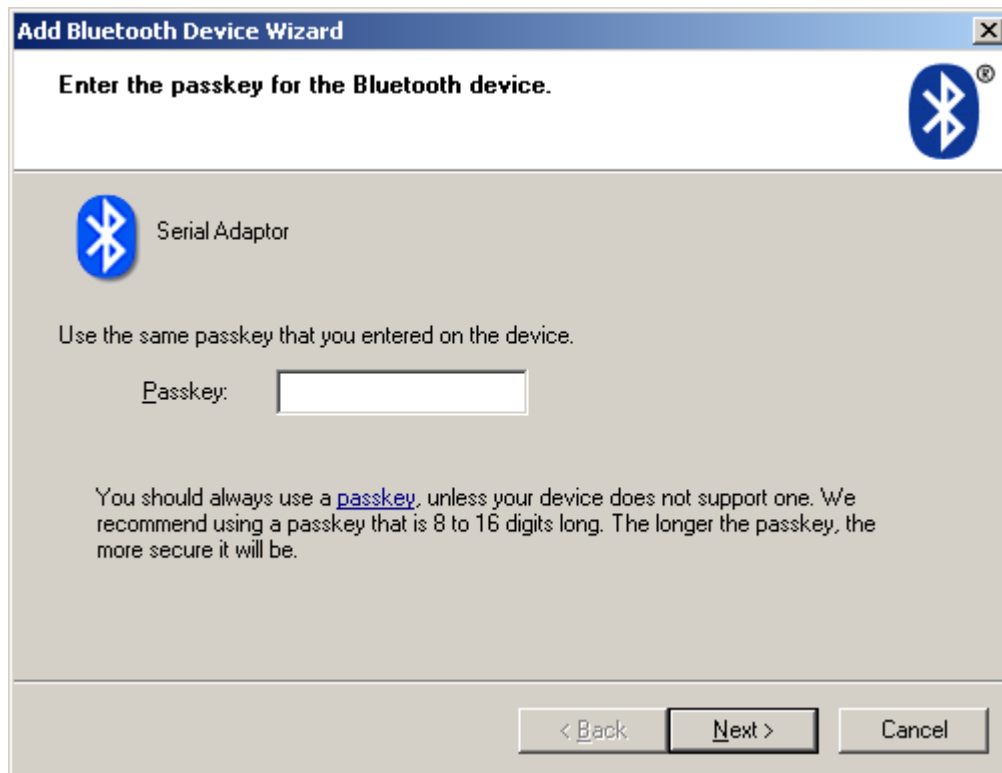
Select OK to start connection. IF connection is successful, it will show as following screen.



2. From the scanner, please press the small button for pairing process (press it for few seconds until the BLUE led flashing). And from the PC screen, you may see the following indication.





Select the Bluetooth Device Wizard from the bottom right corner.



Add Bluetooth Device Wizard

Enter the passkey for the Bluetooth device.



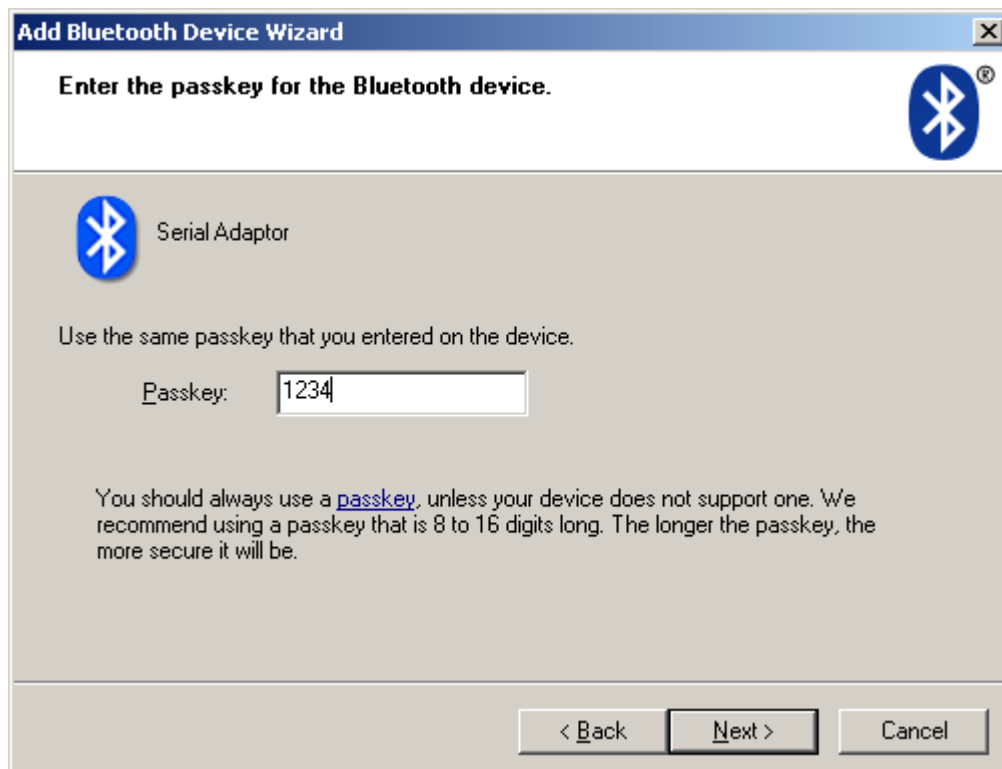
 Serial Adaptor

Use the same passkey that you entered on the device.

Passkey:


You should always use a [passkey](#), unless your device does not support one. We recommend using a passkey that is 8 to 16 digits long. The longer the passkey, the more secure it will be.


< Back Next > Cancel



Add Bluetooth Device Wizard

Enter the passkey for the Bluetooth device.



 Serial Adaptor

Use the same passkey that you entered on the device.

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You should always use a [passkey](#), unless your device does not support one. We recommend using a passkey that is 8 to 16 digits long. The longer the passkey, the more secure it will be.

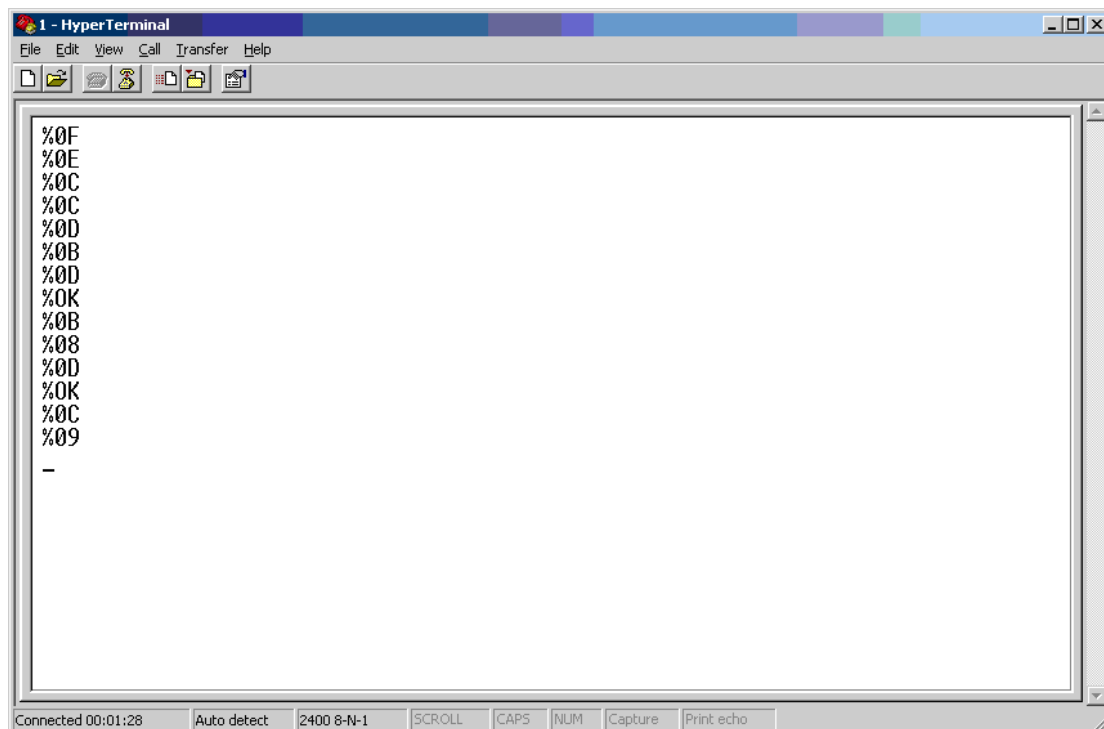
< Back Next > Cancel

Key in the passkey (**1234**), and select “Next”.









Select “Finish” to complete the Bluetooth device wizard, when connection succeeds, the scanner BLUE LED will be ON.

Now, scan the barcode, the barcode data will appear on Hyper Terminal.



Appendix 1: Setting barcodes

BT Mmodule Enter	 * / \$ % B T M *	END	 * Z E N D *
Local Name (Ascii x 16)	 * Z B T 1 *	Remote Mac Address (Hex x 12)	 * Z B T 2 *
Pin Code (Hex x 4)	 * Z B T 3 *	Mode	 * Z B T 4 *
LIST	 * Z L S T *	0	 * % 0 0 *
1	 * % 0 1 *	2	 * % 0 2 *
3	 * % 0 3 *	4	 * % 0 4 *
5	 * % 0 5 *	6	 * % 0 6 *
7	 * % 0 7 *	8	 * % 0 8 *
9	 * % 0 9 *	A	 * % 0 A *
B	 * % 0 B *	C	 * % 0 C *
D	 * % 0 D *	E	 * % 0 E *
F	 * % 0 F *	Set	 * % 0 K *

ISP mode: Please scan “ENTER and ISP barcode”

ENTER	 * / \$ % E N T *	ISP	 * Z 2 3 2 *
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