Operation Manual

1. Installation

1.1 System Requirements

Determine that your PC, notebook, tablet, „Handheld" or similar is <u>on the hardware side</u> already *Bluetooth*-enabled. In this connection this keyboard is then compatible to all systems supporting the *Bluetooth HID*-profile correctly.

1.2 Preliminaries

Ensure that the accompanying *Bluetooth* driver software, which belongs to your used *Bluetooth* component (integrated *Bluetooth* module respectively external *Bluetooth* dongle receiver) is or was installed correctly on your PC. Please refer to the manual of the accompanying *Bluetooth* component manufacturer.

For already embedded *Bluetooth* module

- If you computer (PC, notebook, tablet, „*handheld*" or similar) was provided by manufacturer with an integrated *Bluetooth* module, please use the included and preloaded *Bluetooth* driver software. You do not need to install other *Bluetooth* driver software.

For later installed, external *Bluetooth* dongle receiver

- If your PC is running *Windows XP (*SP2*) a*nd *Vista* and the IC of your *Bluetooth* dongle receiver is from manufacturer **CSR**, please use the included and preloaded ***Microsoft Bluetooth driver software.***
  You do not need to install other *Bluetooth* driver software. If you do not like to use the **Microsoft** *Bluetooth driver software for any reason, you can install optionally Bluetooth* driver software **Toshiba** or **BlueSoleil** (from software manufacturer *IVT*).

- If your PC is running *Windows 98 (SE), ME or 2000* and the IC of your *Bluetooth* dongle receiver is from manufacturer **CSR**, please first install the *Bluetooth* driver software **Toshiba** or **BlueSoleil** (*IVT*).

- If your PC is running *Windows 98 (SE), ME, 2000, XP (SP2)* and *Vista* and the IC of your *Bluetooth* dongle receiver is from manufacturer **ISSC** *(Integrated System Solution Corp.)*, please first install the *Bluetooth* driver software **BlueSoleil** (*IVT*).

- If your PC is running *Windows 98 (SE), ME, 2000, XP (SP2)* and *Vista* and the IC of your *Bluetooth* dongle receiver is from manufacturer **Broadcomm**, please first install the *Bluetooth* driver software **WIDCOMM**.

Advice: Most of Bluetooth keyboards can not operate under BIOS or DOS environment due to the Bluetooth dongle operated in the HCI (Host Controller Interface) mode only. A dual-mode (HCI and HID – Human Interface Device) Bluetooth USB dongle enables the Bluetooth keyboard to operate in BIOS and DOS environment.
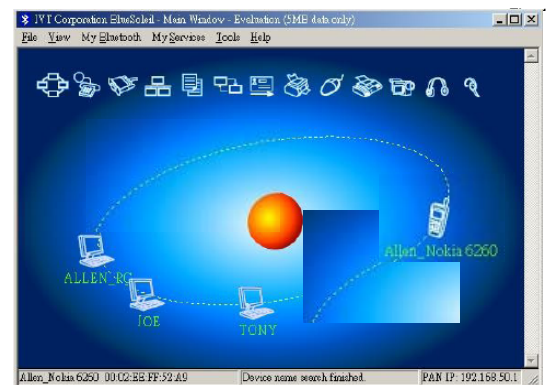
1.3 Installation of keyboard

Ensure for the further procedure that the used *Bluetooth* driver software (as described under 1.2) was installed correctly on your PC.

1.3.1 Keyboard installation under *Bluetooth* driver software *BlueSoleil*

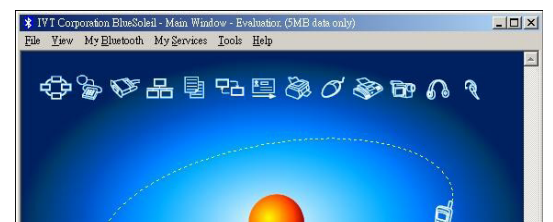- Left-click the *Bluetooth* icon in the system tray area of PC.

- Now opens the menu window of **BlueSoleil** software.

- After opening the menu turn the sliding switch back side of the keyboard to **ON** position and afterwards press 1× the **Pairing** button.
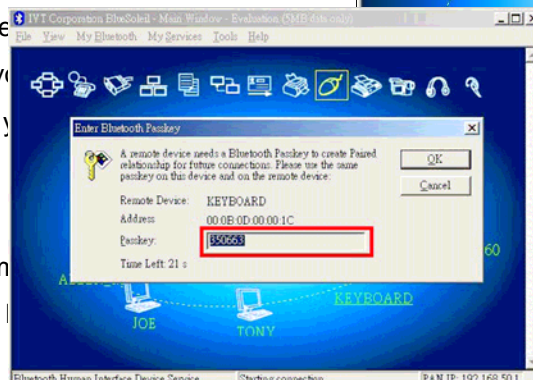
- On the front side of the keyboard the **Pairing**-LED should flash rapidly indicating the *pairing* mode.
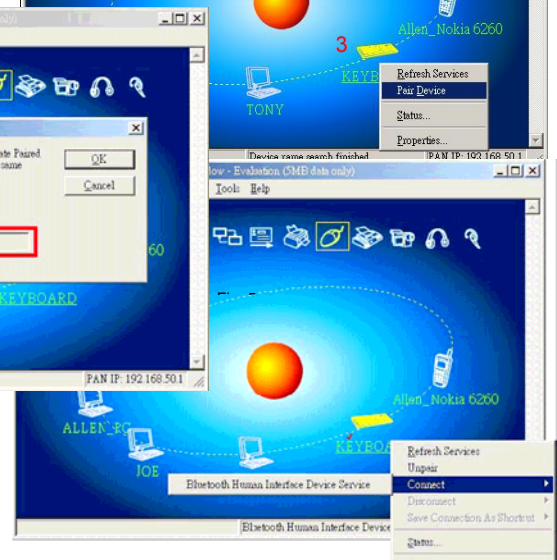
- Click now in the menu window on the globe for searching all discoverable *Bluetooth* devices around your PC. When your keyboard is identified, please double-click on the keyboard icon with the left mouse key. After that click right on the keyboard icon and choose **Pair Device**.

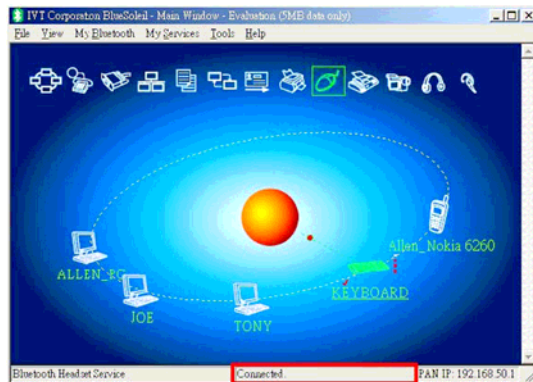- You'll be prompted with a nume pairing between your PC and y exactly the same password on y and confirm with **OK**.

- You will find a red tick in systen Please click the keyboard icon mouse, and tap

Connect → *Bluetooth* Human Interface Device Service

Then you should be able to find a message **Connected** in status bar. Now you can use this *Bluetooth* keyboard to input the data into your computer.

Advise:

Once the pairing procedure has been carried out successfully, the computer respectively the Bluetooth keyboard can be turned on and off without repeating the pairing procedure. They will connect automatically again.

1.3.2 Keyboard installation under *Bluetooth* driver software *WIDCOMM*

Instructions below are based on *WIDCOMM* software version 1.4.2 running on *Windows XP*.

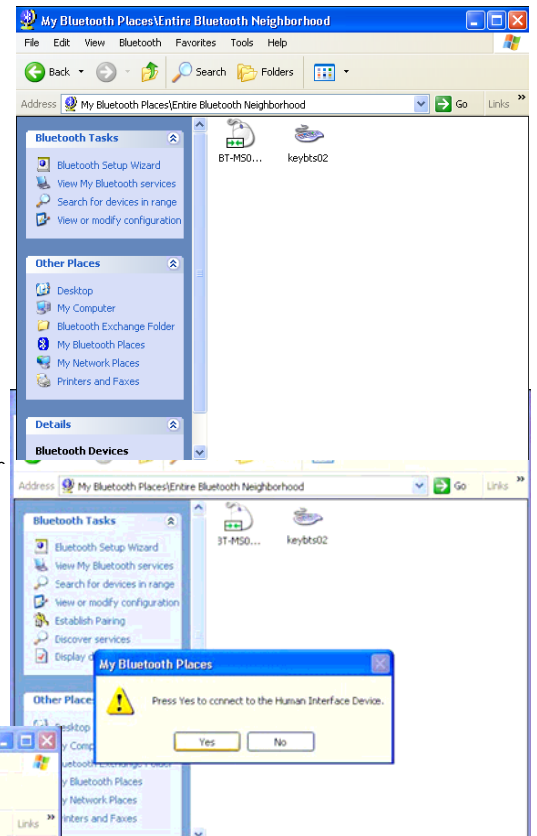Follow the instructions which come with your particular *Bluetooth* adapter (*dongle*).

- Left-click the *Bluetooth* icon in the system tray of PC.

- Opens a menu window of *WIDCOMM* software.

- After opening the menu turn the sliding switch back side of keyboard to *ON* position and afterwards press 1× the *Pairing* button.

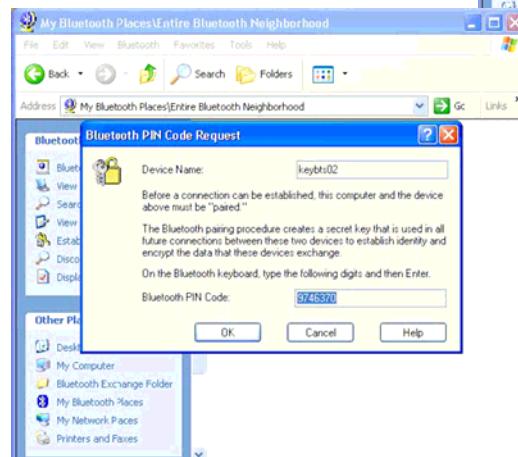- On the front side of keyboard the *Pairing*-LED should flash rapidly indicating the *Pairing* mode.

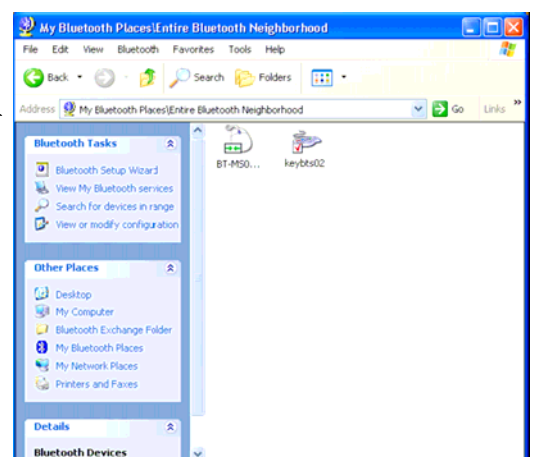- ![icon] in the menu window on *Search for devices in range* task. Then, a keyboard icon will appear in the window.

- Double click the *Bluetooth* keyboard icon, and click *YES* to connect to the Human Interface Device.

- You'll be prompted with a *PIN* code for pairing between your PC and your keyboard. Please enter exactly the same *PIN* code on your *Bluetooth* keyboard and confirm with *OK*.
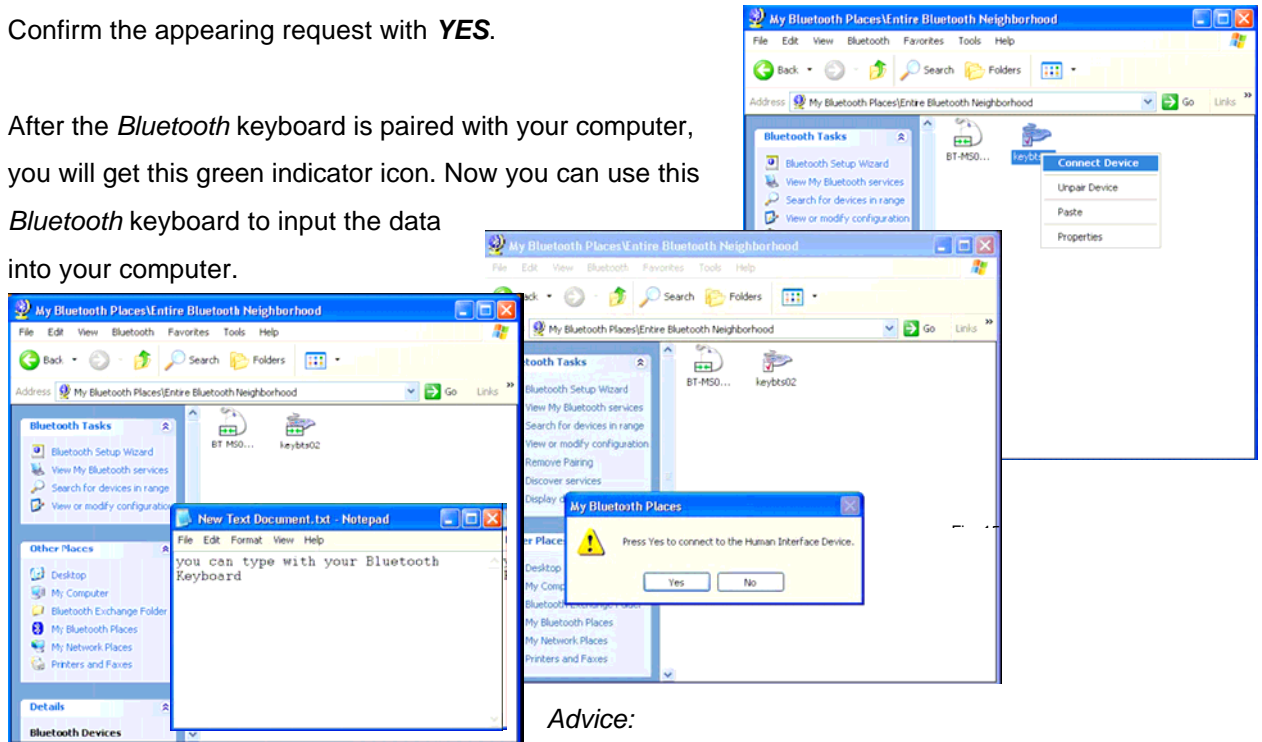
- After input appears a red tick near the keyboard icon.

- Right click the icon to choose *Connect Device.*

- Confirm the appearing request with **YES**.

- After the *Bluetooth* keyboard is paired with your computer, you will get this green indicator icon. Now you can use this *Bluetooth* keyboard to input the data into your computer.

Advice:

Once the pairing procedure has been carried out successfully, the computer respectively the Bluetooth keyboard can be turned on and off without repeating the pairing procedure. They will connect automatically again.

2. How to use the keyboard

After successful launch enjoy now during the operation a free and independent choice of location up to approx. 10 m distance to the PC. More or less range can be caused by metallic dividing walls, other computer cases, monitors, *ZIP* drives, loudspeakers, switching power supplies etc., but also by different loading capacity of the batteries. The status LEDs on the front side of your *Bluetooth* keyboard inform you about the current operating condition.

2.1 Meaning of status LEDs

- ***Pairing*-LED**

  It is used to indicate the *Bluetooth* keyboard is in *pairing* mode (searching a *Bluetooth* receiver). When the *pairing* button is pressed, the LED flashes till a receiver has been found or the relevant computer stops pairing in advance.

- ***Reconnecting*-LED**

  It is used to indicate that the *Bluetooth* keyboard is reconnecting to the already founded receiver after waking up or power up via the accordant authority (registered password or *PIN*).

- **Battery Low**-LED

  It is used to indicate that the battery is below 2.4 Volts. It keeps on until new battery is installed or the battery is total used up. It is flashing only while the keyboard is <u>not</u> in sleep mode.

2.2 Operating modes of the *Bluetooth* keyboard

- **Sleep**-Mode

  After 15 minutes of no keyboard input, the *Bluetooth* keyboard will automatically enter into sleep mode to preserve battery power.

- **Wake up**-Mode

  To wake the *Bluetooth* keyboard up, press any key of the keypad (<u>not</u> the L and R button of *touchpad* or the *touchpad* itself!).

- **Reconnect**-Mode

  After reactivation the keyboard reconnects automatically with the *Bluetooth* dongle. Depending on environmental conditions for the radio transmission it takes less than a second or up to several minutes to reconnect. In the meantime, the *Reconnection*-LED is blinking (cp. for that 2.1).

- **Warning:**

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.