# Blaster BT

## Cordless scanner

**Quick Guide**

# Thank you for purchasing a *Blaster BT*

**Blaster BT is a Bluetooth standard cordless scanner operating as a SLAVE device with SPP profile.**

**Once connected using the common Bluetooth first time pairing, 2 virtual serial ports will be created. Using the "OUTgoing" com port you can connect the scanner any time you need (if powered on) and receive data (read barcode) like a normal serial port.**

**In case you need to use it in keyboard wedge mode, you can install and run the free included utility named "EIA Wedge" that allow an automatic RE connect procedure and a simple data input like a barcode typed on the computer keyboard.**

**Please read carefully the procedure explained in the following pages to obtain a simple and efficient installation of your device.**

# Blaster BT

## Cordless Linear Imager

YES We Scan!

www.barcodeyes.com

Cavo sostituibile

## Specifications

### Physical Characteristics

Depth: 86 mm
Width: 60 mm
Height:160 mm
Weight: 140 g.

### Electrical

Battery: Li-Poly 4.2 V 500 mAh
Input: 5 V. DC
Power: 400 mAh max.

### Interfaces

Bluetooth SPP (and Keyboard wedge mode)

### Scanner Characteristics

Light Source: Led Diode 650 nm.
Depth of Field: 0 to 30 Cm.
Scan Rate: 200 Scan/Sec
Resolution: 4 mil
Contrast: 30% @ UPC / EAN 100%

### Symbologies

UPC/EAN/JAN, UPC/EAN/JAN Add on, Code 39
standard, Code 39 Full ASCII, Codabar, Interleaved 2/5
Code 128,Code 93, Standard 2/5, Code 11, MSI, Code 32
EAN-128, ISBN, Italian Pharma code 32

### Operational

Connector: 5,5 / 2,1 mm.
Reading Indicator: Led, buzzer

### Environmental

Operating Temp: 0° to 50°
Storage temp: -20° to 70°
Humidity: 20% to 95% RH (non condensing)

## Quality hardware for BARCODE

## - Acoustic / Optic signals meaning

Blaster use acoustic and optic signals to shows status and functions, please learn the meaning below:

- **Switching ON:**

Press the trigger till a the top Led become RED then release the trigger, you will hear a modulated sound and the Blaster will be ON

- **ON disconnected:**

When the Blaster is ON but disconnected from any other Bluetooth device, the top Led will blink "once" continuously with a 1 second period.

- **ON connected:**

When the Blaster is ON and connected with any other Bluetooth device, the top Led will blink "Twice" continuously with a 1 second period.

- **Successful scan:**

When the Blaster succesfully scan a barcode the top Led will flash once in RED and a single tone will be emitted.

- **Stand by:**

After 2 minutes of NO use, the Blaster goes in Stand by and power off the internal electronic to save battery current. Going in Stand By the Blaster will emit 2 long and very high frequency tones, the top Led will be fully OFF.

- **Battery Charging:**

Plugging a **5Volts** power supply in the bottom connector will put the blaster in charging mode. During the battery charging the top Led will be permanently RED.
Once the RED Led will switch OFF even if power connector is plugged in, this will mean that battery is fully charged.

## Bluetooth specifications:

- Device Name:  Blaster
- PIN code: 1111
- Device Role: Slave
- BT profile: SPP
- Range: Over 20 meters if used with a Class 1 dongle

## Reset Default procedure (read in sequence the following barcodes)
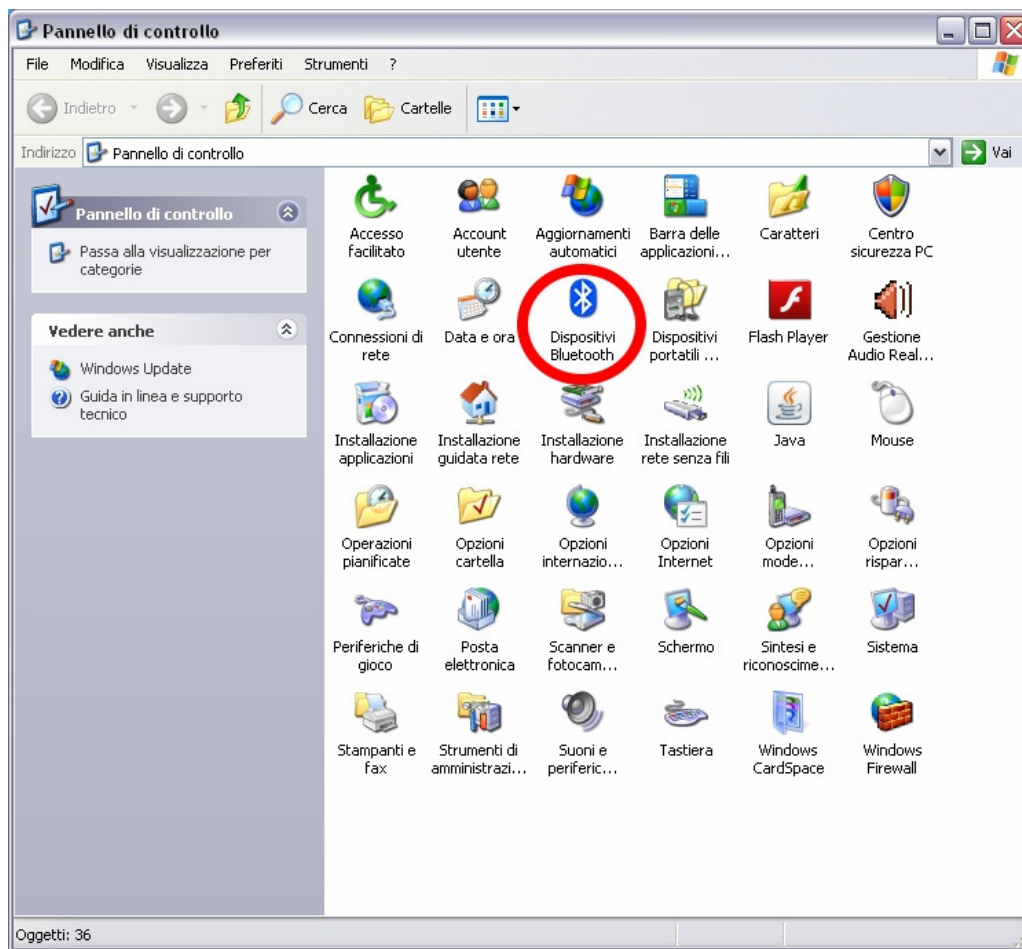


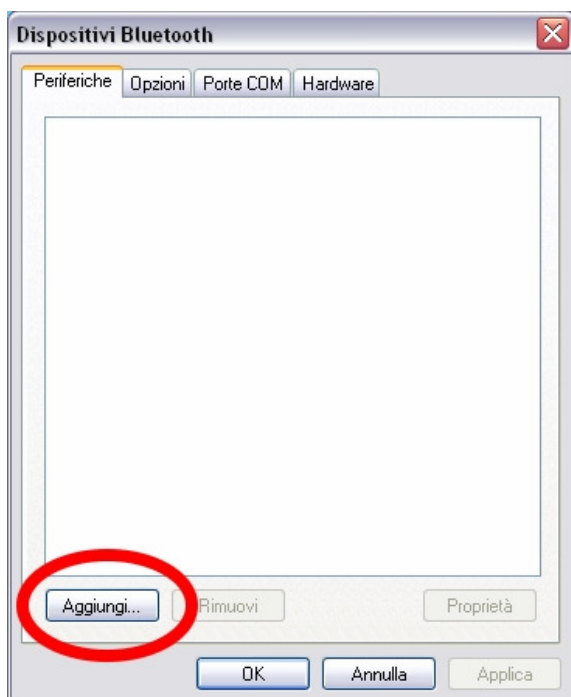**1**



**2**



**3**



**4**

## - Pairing and connecting first time:



**Locate and RUN the "Bluetooth Devices" application in the Windows control panel**
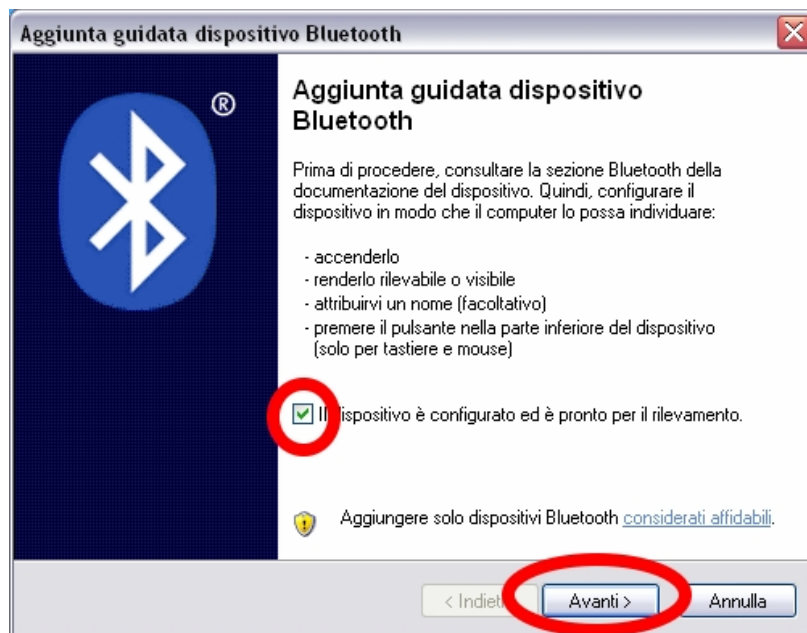


**Be sure that Blaster is ON and press the ADD button...**

**Important note:**

The present procedure shows the standard bluetooth software included in Microsoft Windows XP Seven, Vista.

In case you installed USB dongle or your device use different Bluetooh stack the procedure may be slightly different even if locally similar.
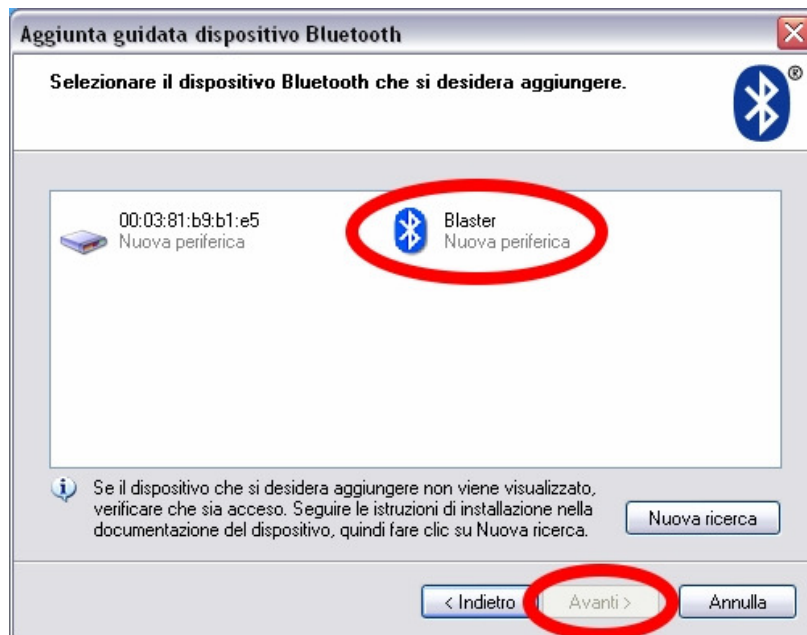
## - Pairing and connecting first time:
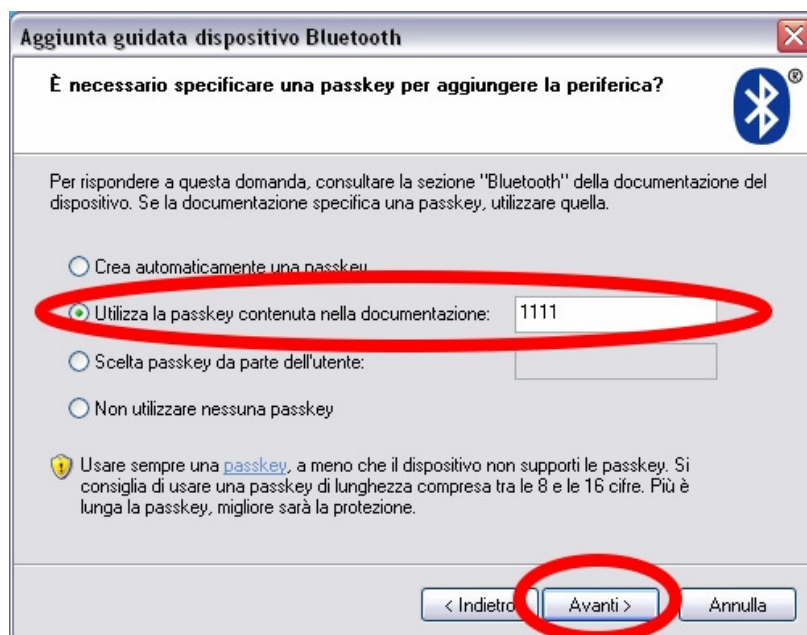


**Select device ready… and press next**



**Now wait for system discovering Bluetooth devices...**

**- Pairing and connecting first time:**



**Now you should see Blaster in the devices list… Select it… and press next**
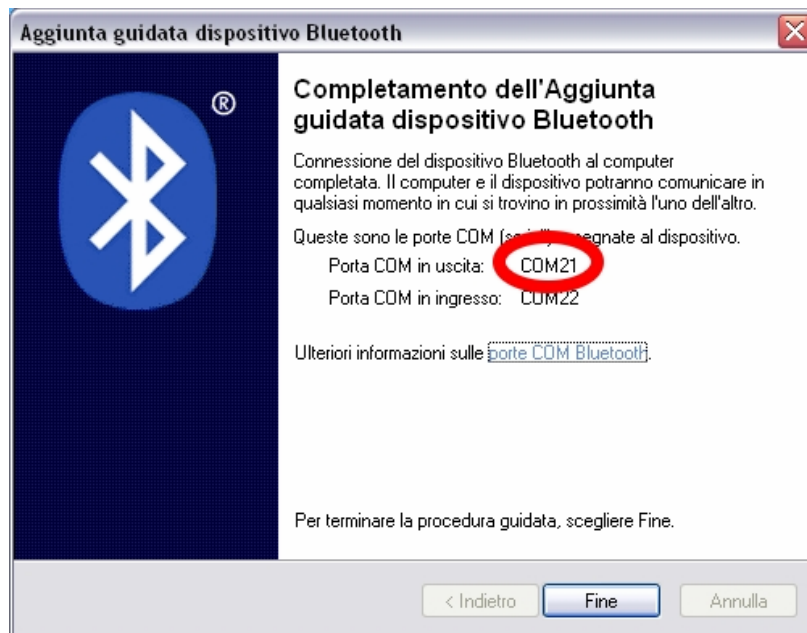


**Select to use the factory supplied Passkey and type "1111" (4 times one) then next button...**
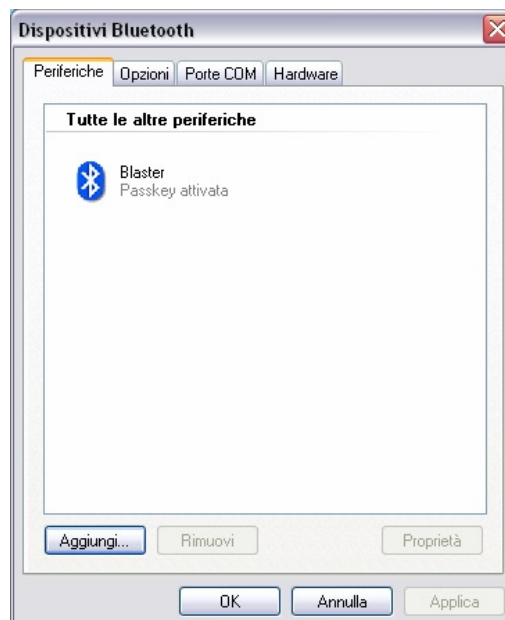
## - Pairing and connecting first time:



**System now shows that a new bluetooth device have been found and installed**



**Please note the 2 COM PORTS numbers (Input / Ouput)  that are now associated to Blaster**



**Now the first time pairing procedure is over, the Bluetooth device shows that Blaster is a trusted device.**
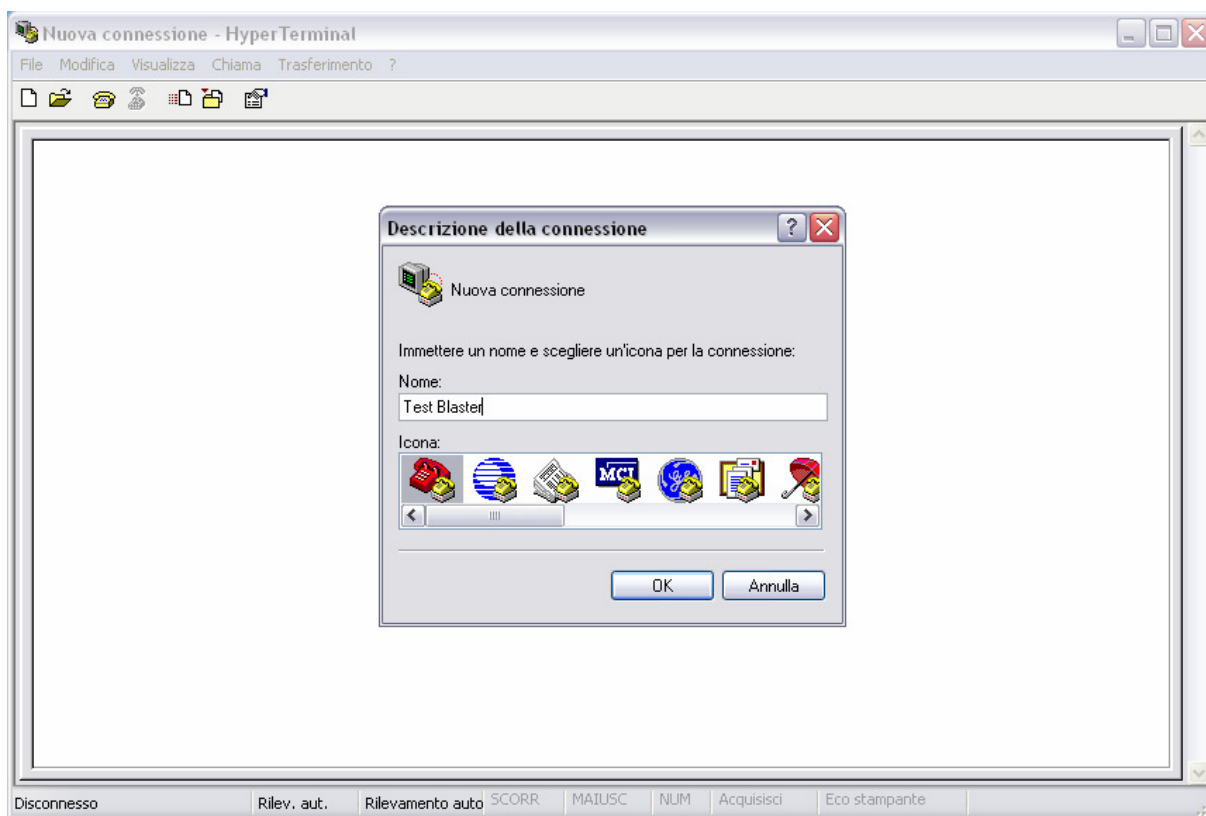
## - Communicating with Blaster:

**You have 2 different mode to receive data from Blaster: Serial communication mode (standard serial port) or Keyboard wedge.**

**Following we will show 2 examples of both modes that could be used.**

## - Serial Communication:

**To test the Blaster in serial port emulation you can locate and run Windows Hyperterminal standard installed in Windows XP in Accessories/Communication menu (or any other serial Terminal program).**
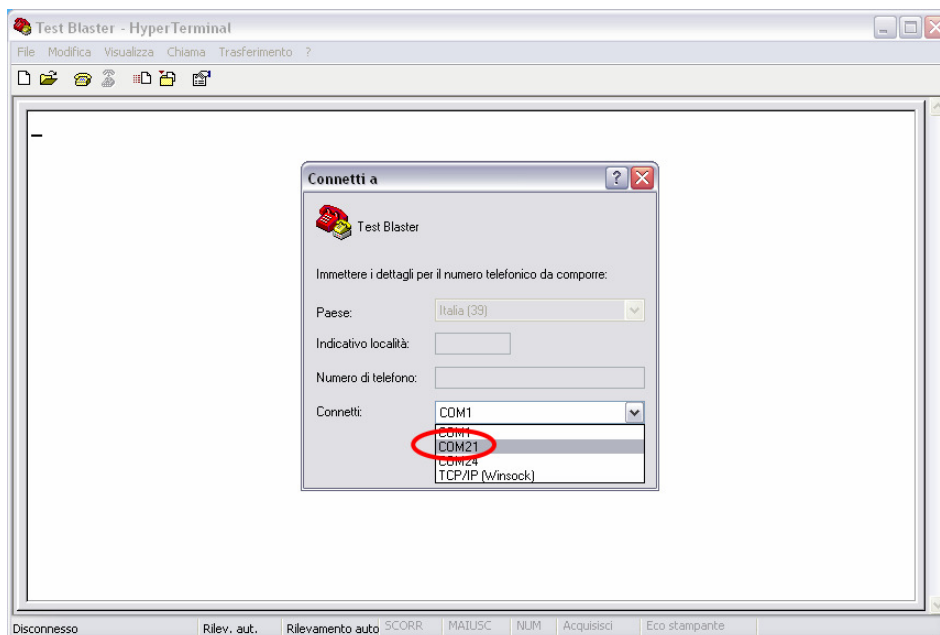


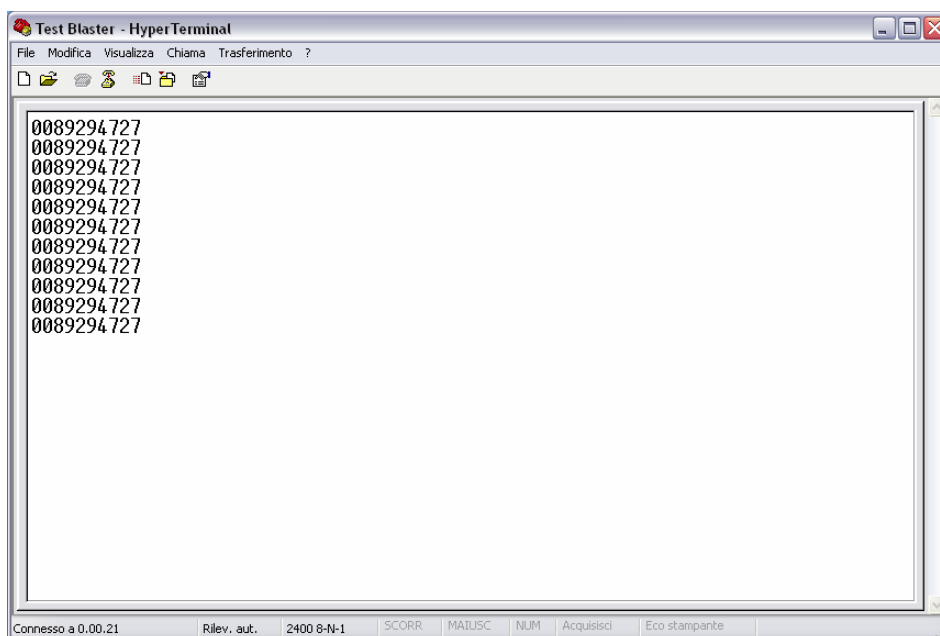<span style="color:red">**BE SURE THAT BLASTER SWITCHED ON !!**</span>

**Insert any connection name... an press OK...**

## - Communicating with Blaster:



**Select the COM PORT number that you noted when pairing procedure whas done (Important: Use the OUTgoing port number) and press**



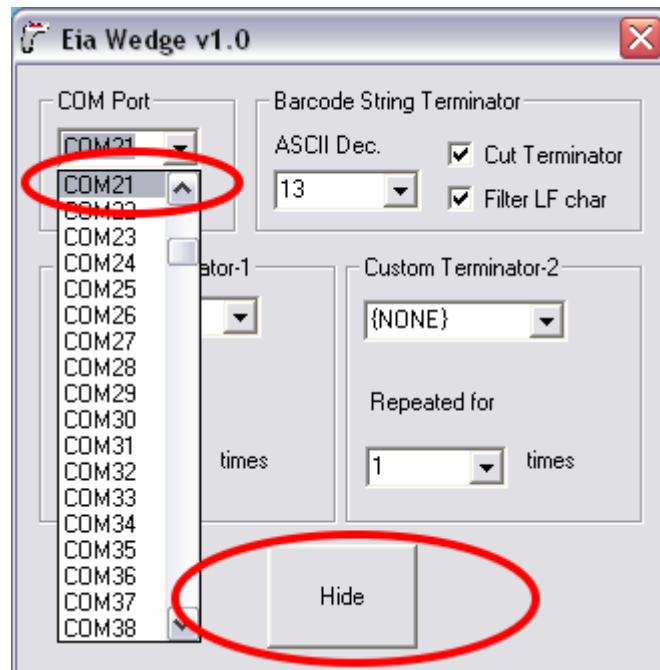**Scan barcodes… now you can see barcode shown on Hyperterminal Window**

**Important note for SERIAL use:**

Blaster is a Bluetooth SPP device with "SLAVE" role, so it wait for another device to start the connection procedure. Once the "unused" timeout expire it goes in stand by and power off the RADIO. In this case the Bluetooth connection fall, and once you will power-on again the Blaster the Receiving program should be able to close and open again the com port associated to blaster to RE-connect the scanner and restart to receive data.

## - Keyboard wedge Communication:

To test the Blaster in Keyboard emulation you can install and run the included utility named EIA Wedge. We suggest to place the the program in the Automatic StartUp of Windows so it will run automatically all thetime you will switch on the PC.



Select the COM PORT number that you noted when pairing procedure whas done (Important: Use the OUTgoing port number) and press HIDE.
The Program will goes to the Icon tray.



Important note for EIA WEDGE use:
When the correct COM PORT is selected the program EIA WEDGE may seems to be wery slow to respond to commando and button clicks.
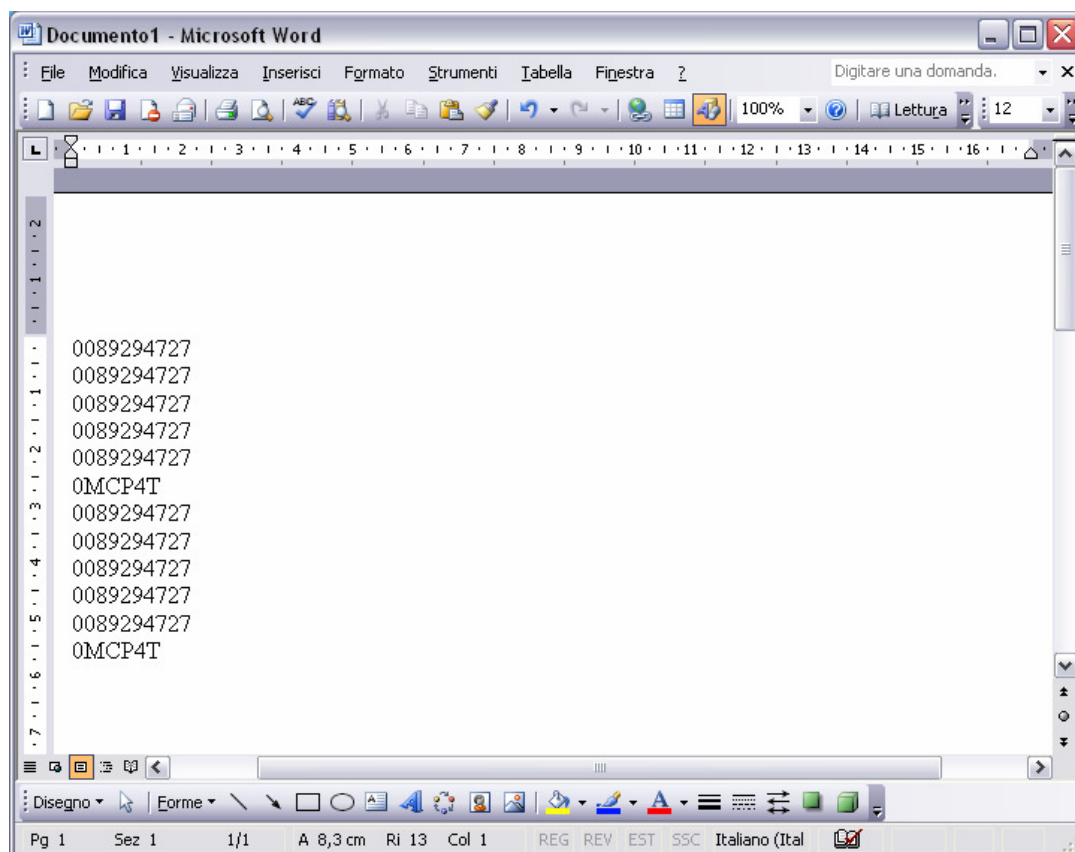This is normal, just be patient and click hide once selected the correct COM Port.

Please leave the "Barcode String terminator" section in "default values" to avoid any unpredictable problem.

## - Keyboard wedge Communication:

**After EIA Wedge is up an running it will take care to manage the Blaster and automatically REconnect after any stand by.**

**To do a simple test open WORD (or Notepad) and scan some barcode...**



**After blaster goes in stand by just press again the Trigger to wake up the scanner, wait the Connection light blinking twice and you can start to scan again...**

# Certifications :

**Support :**

**ASSISTENZA**
**199 450 250**

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