



## Robonova Bluetooth Module

check inside

- bluetooth module
- CD
- usb cable
- manual
- antenna

PC minimum requirement

- operating system : windows Xp or 2000
- cpu : pentium 3, 500Mhz
- System Memory(RAM) : 256 MB
- Hard Disk : 40MB free space
- USB Connector

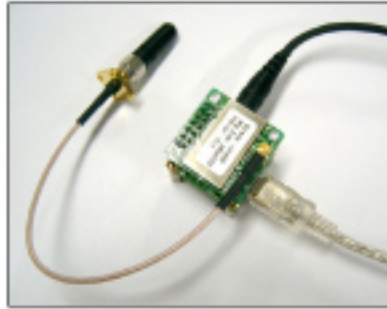
Bluetooth Module specification

- Description :  
Board-type wireless serial adapter with MMCX antenna connector
- Power Class : Class1
- RF Range : Up to 100m
- Power Connector : Header 2.54m
- Power supply : 3.3V
- Serial Interface : UART
- Applicable Antenna :  
Stub Antenna,  
Dipole Antenna,  
Patch Antenna,
- Bluetooth Qualified : Fully
- Type Approved : FCC, CE
- Dimensions (H x W x D) : 27x27x14 mm
- Includes Stub Antenna, Antenna Cable (15cm)
- Default bandwidth : 4800 bps

Submodule Specification

- Dimensions (H x W) : 26 x 27 mm
- Serial I/F Cable Connector
- USB Power Cable Connector

### 1. Module Connection



Antenna



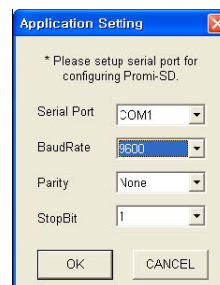
robonova serial interface cable  
- not included -



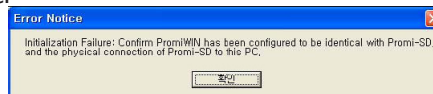
rmini USB cable

### 2. Modul configuration

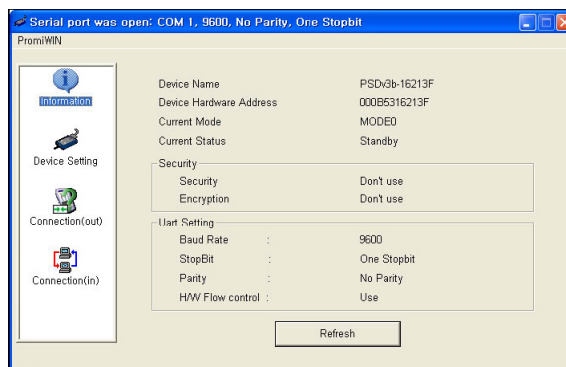
- please install Promi-ESD\_Setup(En).exe on your PC
- run PromiWin
- set the baudrate and port.



- Default is on 4800 bps. If this setting does not match, then you will see this error message.

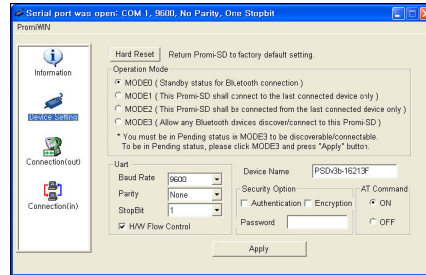


- check the connection status.

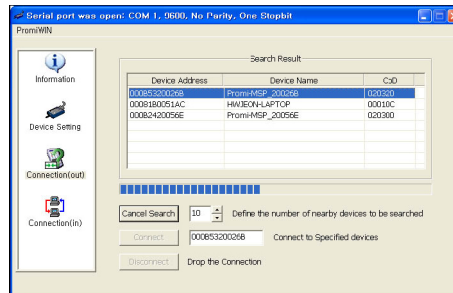


## Robonova Bluetooth Module

- device setting from mode 0 to 3.

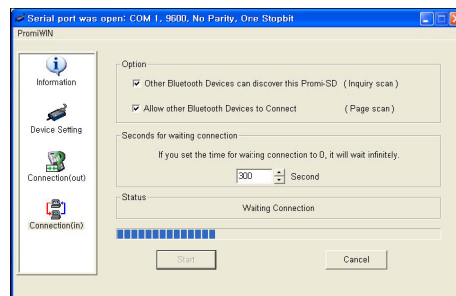


- search other bluetooth devices from connection(out).



Click Search button to search nearby Bluetooth devices.

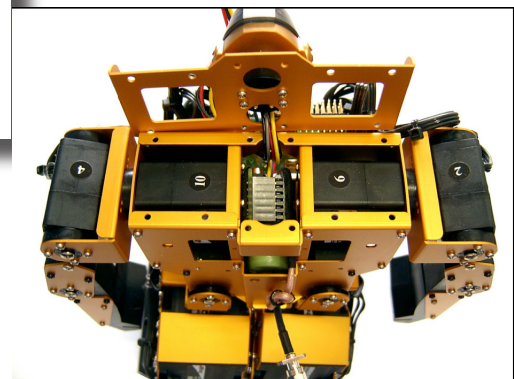
- check the incoming connection



- Please check the Promi-ESD-Usermanual\_V2.0.pdf on CD for detailed information.

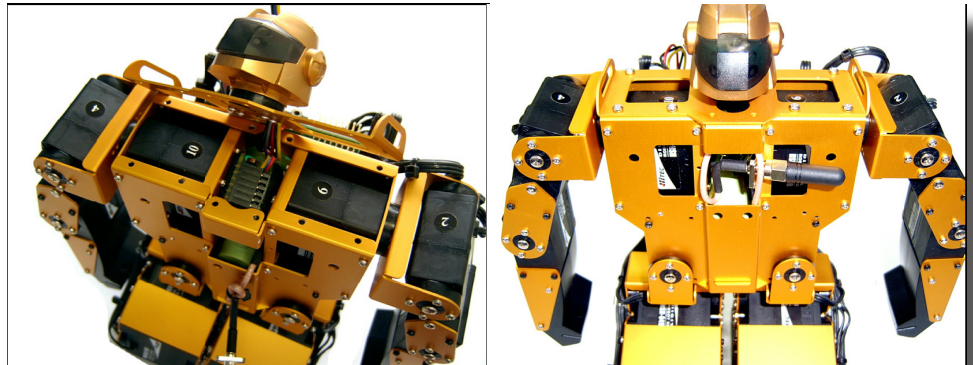
### 3. Assembly example.

- unscrew the head and shoulder part.



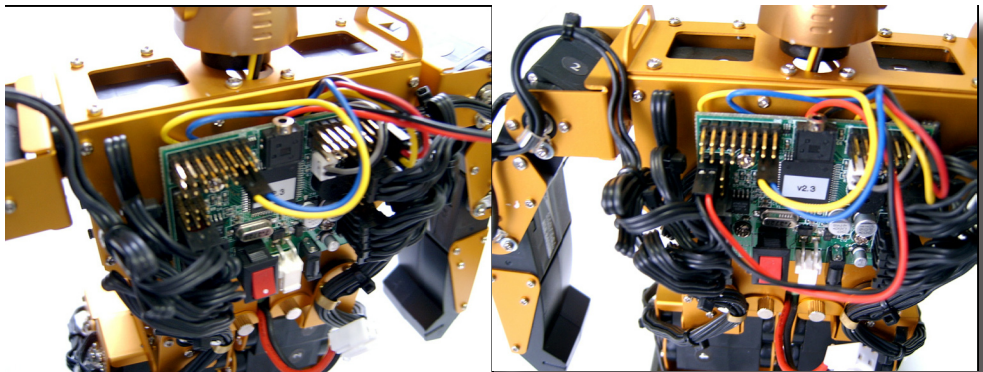
## Robonova Bluetooth Module

- insert Bluetooth module and put the antenna on the position



- now connect the wire to robot controller.

**WARNING**  
 red wire is for 5V power supply.  
 please connect !only! on 5V power pin.

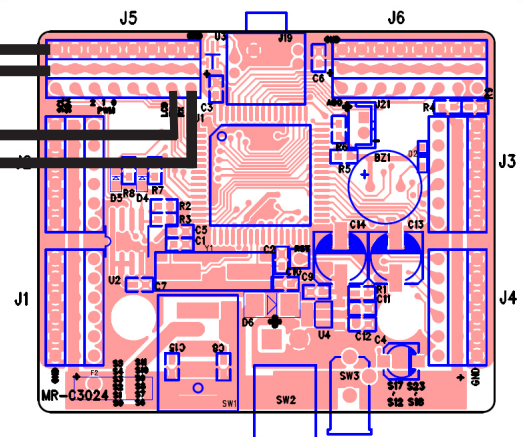


- connect the wire and pins, as described.

**WARNING**  
 red wire is for 5V power supply.  
 please connect !only! on 5V power pin.

2.3 or earlier version robonova controller  
 can have different ETX/ERX allocation.  
 Please check your controller version and  
 contact our support.

Bluetooth  
 Module 3024(v2.5)  
 black GND  
 red 5V  
 yellow ERX  
 blue ETX



- Use Robobasic ETX and ERX commands.  
 For Detail, please refer robobasic manual.

ERX 4800,A, INIT1  
 ETX 4800