



BTBee Pro Wireless Program Tutorials

BTBee Pro is a serial port Bluetooth module which can be compatible with the products with XBee sockets, designed for transparent wireless serial connection setup. It can be directly plugged on Arduino XBee Shield or Arduino Sensor Shield, and communicate with all boards of Arduino series or upload a program. Besides, it can upload a program into Gboard and Iboard as well.



Installation

Step 1.

Plug the BTBee Pro on IBoard, and select "Upload" by toggle switch. Then power up the main board. As shown in figure 1.





Figure 1

Open Bluetooth device and add a device. As shown in figure 2.



Figure 2

Step 3

After finding a Bluetooth device, you should choose "Enter the device's pairing code". The default PIN code is "1234". As shown in figure 3 and figure 4.



Add a device	
Select a pairing option	
 Create a pairing code for me The device has a keypad. 	
Enter the device's pairing code The device comes with a pairing code. Check for one on the device or in the device manual.	
Pair without using a code This type of device, such as a mouse, does not require a secure connection.	
Next	Cancel

Figure 3

Enter the pairing code for the device	
This will verify that you are connecting to the correct device.	
1234	
The code is either displayed on your device or in the information that came with the device.	PTPag Dra
	DI DEE PIO
What if I can't find the device pairing code?	
mach rear enna ere dence paring coder	

Figure 4

Open Bluetooth device and choose the device. Click the right button of the mouse and select "properties". As shown in figure 5.



00- 8 «	Devices and Print Bluetooth Devices	
Add a device Devices (1)	Add a printer Remove device	E • 0
BTBee Pro	Create shortcut Troubleshoot Remove device Properties	
В	TBee Pro Category: Other	

Figure 5

Select "hardware" lable in "properties". Check the serial port of the Bluetooth device. As shown in figure 6.

3 BTBee Pro Properties	8
General Hardware Services Bluetooth	
BTBee Pro	
Device Functions:	
Name Type	
I Bluetooth 链接上的标准串行 (COM73) Ports (COM	
Device Function Summary	
Manufacturer: Microsoft	
Location: on Bluetooth Device (RFCOMM Protocol TDI)	
Device status: This device is working property. Properties	
OK Cancel Ap	ply

Figure 6

Step 6

Download the newest Arduino IDE.

http://arduino.cc/en/Main/SoftwareDue

Replace the rxtxserial.dll under the Arduino directory with one that we

iteadstudio.com



provide (download). As shown in figure 7.

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	cygiconv-2.dll	09/11/2012 11:58	Application extens	947 KB		
	🚳 cygwin1.dll	09/11/2012 11:58	Application extens	1,829 KB		
	🚳 libusb0.dll	09/11/2012 11:58	Application extens	43 KB		
	revisions.txt	09/11/2012 11:58	Text Document	33 KB		
	🚳 ndxSerial.dll	09/11/2012 17:30	Application extens	97 KB		
Applicat	ial.dll Date modified: 09/11/2012 17:30 tion extension Size: 96.0 KB	Date created: 13	/11/2012 10:48			

Figure 7

Step 7

Open Arduino IDE. Select "Tools->Board->Arduino Duemilanove w/Atmega328". As shown in figure 8.



Figure 8

And Select "Tools->Serial Port->COMX (the serial port of the bluetooth)". As shown in figure 9.



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Sketch_nov29a	Auto Format Archive Sketch Fix Encoding & Reload Serial Monitor	Ctrl+T Ctrl+Shift+M	2
	Board Processor	•	
	Serial Port	•	COM1
	Programmer	•	COM72
	Burn Bootloader	L	COM73
4			Þ
e.			

Figure 9

Open your program on Arduino IDE, and press the "upload" button to upload it to IBoard. As shown in figure 10.



Figure 10