

FSC-DB004 DISCOVERY LITE User Guide

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FSC-DB004 DISCOVERY LITE Front Image



FSC-DB004 DISCOVERY LITE Back Image

Switch Pin for Transparent & AT Command Mode. Default (High Level),cyclic sending 100ms low level pulse by looping,can make the switch for the two modes. VCC (DC 3.6~6V),GND (Ground Pin),TXD Module data transmit pin,RXD Module data receive pin.





1. Module & Upper Monitor Connecting Sketch (Using Serial Board for Demo)

2. APP Download (Android & iOS)



1) Android APPBTComm, please download from our <u>www.feasycom.com</u> or contact the sales man.



2) iOS APP^{BLE Assistant}, download from appstore or contact the sales man.

1. Serial board connect to the PC's USB Port, the module under the searchable and connectable status, LED Indicator light is slow shinning as the below picture showing.





2.Open Feasycom serial port tool portiexe, setting as below.

Feasycom serial port V1.0.3		100		
TX: 0/0 CRC:00000000	RX: 0/0 CRC:00000000	Hex Rx	Rx only	<i>FEA5YCOM</i> 》 飞易通
			-	Instructions Customized
Serial Port TX/RX Data	Byte/Packet: CRC32 Ver	rification		Name
				Version
				MAC
				Baud
1 Choose the right com no via	3 Serial Port Status			PIN
device management	Default Turn on.			Modify_name
				Modify_baud
				Modify_PIN
2 Transfe	er Rate		~	Developer option
COM COM3 - Baud 115200	▼ Fluid None ▼ ■Ck	ose Save	Clear	About us
		*	Send	WeChat Official Account
				■説録■
	4 Click New Line		Hex Tx	
			Timina	
		-	100 - ms	in Rasser
File		Send file	Ston send	Feasycom Technology Co.,LTD
			o op sona	www.concom

Feasycom serial port V1.0.3					- 0 X
TX: 9/1 CRC:29A3D1CD	RX: 24/1 CRC:COFAAF76	Hex Rx	Rx only	FEASYCOM	◎ 飞易通
			^	Instructions Cust	omized
TRAML-Feasycom	This area can check the m	odule basic		Feasycom	Name
	info such as name version	mac etc			Version
	nno, such as name, version	i, mae, etc			MAC
					Baud
					PIN
					Modify_name
					Modify_baud
					Modify_PIN
			Ŧ	Developer op	tion
COM COM3 Baud 115200	▼ Fluid None ▼ ■Cl	ose Save	Clear	About us	
AT+NAME		*	Send	WeChat Official A	ccount
When you c	ick the below area, the at			回機器	
command	will display in the		Hex Tx	100 A	÷
window, need	o click the New Line				
		- [100 - ms	E15:83	32
File		Send file	Stop send	Feasycom Technolog www.feasycon	gy co.,LTD n.com

Feasycom serial port V1.0.3				- • X
TX: 21/1 CRC:D9C33287	RX: 6/1 CRC:AD2F17C5	🗌 Hex Rx	Rx only	<i>FEA5YCOM</i> 测∣飞易通
			*	Instructions Customized
				Name
	Modify the module basic in	fo,if change		Version
	successfully, will return an "	OK"		MAC
				Baud
				PIN
				Feasycom123 Modify_name
				Modify_baud
				Modify_PIN
<u> </u>			T	Developer option
COM COM3 Baud 11520	0 ▼ Fluid None ▼ ■C	ose Save	Clear	About us
AT+NAME=Feasycom123		*	Send	WeChat Official Account
				国は認識国
Before sending the	AT Command, need to click "	New	Hex Tx	
Line"			Timing	
			200 👻 ms	
File		Send file	Stop send	www.feasycom.com
,				

3 Smart Phone APP connect to the module, please follow the below steps <u>(Turn on Bluetooth of Smart phone)</u>

1>Android System : Open BTComm APP, search the target Bluetooth device, click auto-connect, glide the interface can get the newest searching devices.

	Connect Successfully			
Itild Itild <td< th=""><th>e 14:14 Disconnect Hex Rx Rx:0B OP Ue</th><th>۲ا الحا Clear CRC32: 00000000</th><th>S 14:1: Disconnect Hex Rx Bx:7B 1P 999 Receive</th><th>5 े ि ता (🖾 Clear CRC32: 85557935 ed data</th></td<>	e 14:14 Disconnect Hex Rx Rx:0B OP Ue	۲ا الحا Clear CRC32: 00000000	S 14:1: Disconnect Hex Rx Bx:7B 1P 999 Receive	5 े ि ता (🖾 Clear CRC32: 85557935 ed data
	Тжов ор	CRC32: 00000000	Data input he	crc32: 0
			000	Send Button
	10 ms Timing	Send	10 ms Timing	Send
Communication Setting About	Нех Тх	File	Hex Tx	File
TX: 5/1 CRC:99F1D38D RX: 3/1	L CRC:22B53ADD	Hex Rx 🔽 Rx ont	FEASYLON Instructions Cu	Istomized Istomized Version MAC Baud PIN Modify_name Modify_baud Modify_PIN option
COM COM3 Baud 115200 Fluid	None Close	Save Clear	About	us
File	Send Butto	n Send Hex Ta New lin Timing 200 V	ms Feasycom Techno Www.feasyc	logy Co.,LTD om.com

2> IOS System: Open BLE Assistant APP, search the target Bluetooth device, click auto-connect, glide the interface can get the newest searching devices.



●●●○○中国移动 令	14:42		Feasycom serial port V1.0.3	
K Back	Feasycom	att	TX: 8/1 CRC:8258C0E9 RX: 4/1 CRC:98E3E0A3 □ Hex Rx 🔽 Rx only	<i>FEA5YCOM</i> 》 飞易通
HEX Rx	Service	Clear	1234	Instructions Customized
Rx:8b-1p		CRC32: 825BC0E9		Name
4321			Received Data	Version
Rece	ived Data			MAC
Rece				Baud
				PIN
				Modify_name
				Modify_baud
				Modify_PIN
			*	Developer option
			COM COM3 🔻 Baud 115200 💌 Fluid None 👻 🔳 Close Save Clear	About us
			4321 Send	WeChat Official Account
Tx: 4 b 1 p		CRC32: 9BE3E0A3		
1234			Transmitted data	
	ansmitted dat	a		
	anomittea dat	4 Bytes	* 200 * m	s ISBNE
10 ms Auto se	end	Send	Fiel Send file Strin send	Feasycom Technology Co.,LTD
HEX Tx Respor	nse	Send file		

P3 FAQ

- Q1: Power On Module, RX Command , no feedback :
- 1. Check the indicator Light : Flash or not
- 2. Make sure the COM NO : Correct or not
- a) Baud 115200 Baud Rate Parameter:115200
 b) Close Serial Port Close or Open
 com COM1 COM1 COM NO whether is a
- c) COM COM1 COM NO, whether is same as the device management of computer displaying
- d) RXD Pin connect to Module TXD Pin, TXD Pin connect to Module RXD Pin.
- e) New line ,whether click this button.

Q2 Check the module whether under connection status

Remarks: If the module already connected to the smart phone, the module received AT command information will be sent to the smart phone as the common data information, will not execute the AT Command.

Q3 If already follow the steps as above showing ,still can not identify the AT Command,better to make the module connect the smart phone APP,using the APP to send "12345" to the module,using the OSC to monitor the TXD of the module,whether there coming out the wave shape. Send the data to the module, using the OSC to monitor the RXD of the module, whether there coming out the wave shape,meanwhile,check the smartphone get the data or not.

Q4 Android Smart Phone why can not use the BLE:

1.Some old android smart phone not support BLE(We suggest to use our Bluetooth dual mode module)