

E104-BT12 Tool Tutorial



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1. Preparation

Prepare the host computer and the module we provide as follows

名称	修改日期	类型	大小		
🗋 mesh_database.json	2021/3/17 10:39	JSON 文件	148 KB		
oob_database	2021/1/7 15:26	文本文档	0 KB		
📓 sig_mesh_master	2020/9/30 16:43	配置设置	26 KB		
💱 sig_mesh_tool	2021/1/14 15:33	应用程序	4,106 KB		
three_para	2020/9/30 16:43	文本文档	1 KB		
tl node gateway	2020/9/30 16:43	配置设置	19 KB		



2. Networking with danglo

2.1 Plug in the module and then turn on the host computer

Telink sig_mesh Found V3.3			
CMD tl_node_gateway.ini	 INI BULKOUT ASCI: 	🔽 Log 🗂 AutoSaveLog 2 retry Clear Save Save 🔽 Hex T Adv Stop Scan rp_scan ex_scan OTA I	lx te
	mi_debug	^	
<pre>Lim get in ode gateway init tim gate norf lightness get_Panel</pre>		<pre>1 Attended [Attended] Attended [Attended] Attended [Attended] Atte</pre>	00 0
time_role_get			
time_role_set time_role_get ;cene_store		<	,

2.2 Power on the module and select SCAN on the host computer

Double-click the address of the device to be networked

1 Device Scaned	X lex Adv Stop Scan tp_scan ex_scan OTA Rx te
4c 4a 48 6c 14 18 -48 dBm -8 K	_NODE_PARA : e9 ff 10 g:: 12 34 56 78 12 34 56 78 00 00 00 00 00 00 00
	is mrt _NODE_PARA : e5 ff 10
	is art _NODE_PARA : e9 ff 10
	is art 27: 00 ff 00 brt Mar
	00 4c 4a 48 6c 14 18 02 00 00 00 00 d9 74 78 on is : 18 2b 00 a8 01 71 09 a1 6a 00 4c 4a 48
4 4 - 2 20	
Connect	Cancel Path: OpenFile Mes

2.3 Select PROV

	After clicking	PROV, t	the options	in the l	eft will	appear.
--	----------------	---------	-------------	----------	----------	---------

Fast prov mode SetPro_internal	Static
etwork_key 19 3a 44 5a 64 66 78 82 81 98 a2 ac b6 c3 d7 e0 cey_index 00 00 iv_index 11 22 33 44 _update_flag 0 unicast_adr 01 00 Provision KEY_REFRESIV DKRI, NODE_ADR 02 00 candi tter_operation filter_data 01 00 ff ff 5 SetFilter Add_mac RM mac 2	bind_all NCT_CATEWAY_CMD_SET_MODE_PARA : e9 ff 10 Profmarkst
sched action get	al 01 71 09 al 6a 00 4c 4a 40 6c 14 18 02 00 00 00 00 d9 74 78 53 d0 58 ff 501c 10 55 555 (3) 1001 (semantebe improvision beacon is : 10 2b 00 a0 01 71 09 al 6a 00 4c 4a 40 6
<pre>ched_sciin_st_off sched_sciin_st_off sched_sciin_st_off sched_sciin_st_scenti time_sct t</pre>	<pre><0017540:56:07:716 [INPO]:GATEMAN/HCI_GATEMAC_CHD_GET_ADV_TILTER: 65 ff 08 c4 a4 06 c1 4 10 <0015:00:07:716 [INPO]:GATEMAN/HCI_GATEMAC_CHD_GET_ADV_TILTER: 65 ff 00 c <0015:01:01:01:01:01:01:01:01:01:01:01:01:01:</pre>
scene store	¢ 3

2.4 Set parameters, only when using USB dangglo for the first time

East prove mode	Static apk_idx 00 00 app_key 60 96 47 71 73 4f bd 76 e3 b4 05 19 d1 d9 4a 48
network_key 19 3a 44 5a 64 6e 78 82 8f 98 a2 ac b6 c3 d7 e0 key_index 00 00 iv_index 11 22 33 44 iv_update_flag 0 unicast_adr 02 00 Provision KEY_REFRESI v DKRI_F	UP
NODE_ADR 02 00	2 n 44 52 44 44 44
SetFilter Add_mac	et Batilitation Hereitation Hereitation

2.5 PROV Start

provision		×
Fast prov mode SetPro_internal intervork_key [19 3a 44 5a 64 6c 78 82 81 98 a2 a	Static apk_idx 00 (app_key 60 S c b6 c3 d7 e0 bind_all	00 95 47 71 73 4f bd 76 c3 b4 05 19 d1 d9 4a 48 PCT_GATEMAX_CDD_SET_MOV_SEAD.: e9 ff 10 PCT_GATEMAX_CDD_SET_MOV_SEAD.: e9 ff 10
key_index 00 00 iv_index iv_update_flag 0 unicast_adr	11 22 33 44 02 00	017 index searching: 12 34 56 78 12 34 56 78 00 00 00 00 00 00 00 00 Ne general wild is 66 79 FC 75 20 Ne general model is
Provision KEY_REFF NODE_ADR 02 00	DKRI_RP candi_en	Newwy jeon init start NET (ALTRAW, CHD) EFF (DOGL 2004 ; as st 22 10 NEW (The Start Start) NEW (The Start) The start Start in
filter_operation filter_type white_list v filter_data 01.00 ff	ff	stevay json dini test BCT_ALTERAT_IND_ETT_NOCE_FADA : e9 ff 10 the general unit is 40 fp fc 1f and the general man add 1 s
RM_mac		access jeon ning taar NET GARMAN GOD graaf: e5 ff 00 NET GARMAN GOD graaf gad
content actions content action	t f_off coma comal	De do C = 12 De

Click the option as the picture followed shows

2.6 Bind APP key

As shown below, you can bind the APP key after completing the prov



2.7 Complete Networking



2.8 Controlling lights

Click on mesh to bring up a new page



Click on ON or OFF in the red box to switch the light on or off

3. Publish and Subscribe Settings (Grouping)

Publish and subscribe means that multiple modules are assigned to a virtual address, which can be interpreted as grouping, that is to say, if I assign a device to a group, then any of devices will transmit data to the group address and the rest will receive it.

3.1 Implementing Grouping

The first step is to double click on location 001 as shown below to get the address of the node, and then check the GROUP box if you want to assign the light control mode of this node to that group.



Note: The above method only groups the modle of the light control, the rest does not, if necessary, refer to the grouping section

4. SIG Grouping

SIG OP :80 1B

4.1 Join group

Command real column: e8 ff 00 00 00 00 02 01 08 00 80 1b 08 00 00 c0 00 10

e8 ff		00 00	00 00	02 01	08 00	80 1b	08 00	00 c0	00 10
Cmd		Fixed	Fixed	Unknown	Destination	SIG	Element	Group	Modle
header					address	OP	address	address	ID

4.2 Delete Group

e8 ff	00 00	00 00	02 01	08 00	80 1d	08 00	00 10				
Cmd	Fixed	Fixed	Unknown	Destination	SIG	Destination	ModleID				
header				address	OP	address					

Command real column: e8 ff 00 00 00 00 02 01 08 00 80 1d 08 00 00 10

5. VENDOR Group

5.1 Join group

Directive real column: e8 ff 00 00 00 00 02 01 02 00 80 1b 02 00 01 c0 11 02 00 00

e8 ff	00 00	00 00	02 01	02 00	80 1b	02 00	01 c0	11 02	00 00
Cmd	Fixed	Fixed	Fixed	Destination	Sig op	Element	Group	ModleID	Fixed
头	Fields			address		address	address		

Note: The mobile app can only subscribe to 0X1307 SIG_MD_LIGHT_HSL_S by default Tmall Genie can only subscribe to 0010 SIG_MD_G_ONOFF_S

Note: Low-power node group transmission requires lightness mole and vindermole to be assigned under a group in order to receive group address transmission

About us

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