## Elan 主机和 Nest 温控器的对接

概述: Elan 主机可以通过云端与 Nest 账号建立连接,从而实现使用 Elan 主机 对 Nest 温控器的控制

准备:

- 先参照《Nest 温控器设置说明》,完成 Nest 温控器的设置,链接: http://www.dvaco.com/3711.html
- Elan 主机和 Nest 有外网连接

系统图



 在编程软件中:一级菜单选择 "Climate",在二级菜单的 "Communication" 上点击右键,选择 "Add New Communication Device"

System	Global Options		
	Section Devices	Add New Communication Device	
Security	I hermostats	Add New Communication Device	
	Heating/Cooling Units		
Climate	Custom Pages		
	Interface Groups		
Lighting			
Contont			
Content			
Media			
Video			
Video			



2. 在弹出菜单中选择"Nest Interface",点击"OK"进入下一步

Add New Communication Device

Device Name Nest Interface			Show Unsupported Devices
Communication Type			Hardware Type
Name	Version	<u> </u>	Ethernet
Aprilaire RS485 Network	8.0 Build 278.0 Rel		
Carrier Infinity System	8.0 Build 278.0 Rel		
Cool Master IP	8.0 Build 278.0 Rel		
Cool Master RS232	8.0 Build 278.0 Rel		
Generic MODBUS	8.0 Build 278.0 Rel		
Generic Serial	8.0 Build 278.0 Rel		
HAI Stand-Alone Thermostat Netw	8.0 Build 278.0 Rel		
Heatmiser	8.0 Build 278.0 Rel		
Heatmiser neoHub	1.0.5		
Leviton Z-Wave RS232 Network	8.0 Build 278.0 Rel		
MiOC Z Wove Network	9.0 Build 278.0 Rel		
Nest Interface	8.0 Build 278.0 Rel		
RC3 memostativetwork	o.o Build 278.0 Rel		
Standard Connection	8 0 Build 278 0 Rel	*	
Device		Ŧ	Cancel OK

## 3. 然后点击"Authorize"

Communication Device	e: Nest Interface		
Name	Nest Interface		
System #	4594		
Device Type	Ethernet / Nest Interface		
Enter Nest PIN	Example: 3XP6SCZ4		
Push ELAN System Modes	Yes	-	
Structure	[Authorization Needed]	-	
Apply	Discover Devices	Deauthorize	Authorize



4. 点击 "Authorize" 后, 浏览器会打开 Nest 的账户页面, 如果之前没有登陆, 需要进行 Nest 账户的登陆, 然后选择 "Allow"

nest	ELAN HOME SYSTEMS would like to do the following:	liuheng@dvaco.com Not you?		
	Control temperature and thermostat settings.			
Q	ELAN can display and control the Nest Learn straight from your ELAN app.	ing Thermostat		
	Set Home and Away.			
1	Keep Home and Away in sync with your ELAN control from the ELAN app.	system and gives you		
By selectii with their SYSTEMS	ng Allow, you allow ELAN HOME SYSTEMS and Nest to use the info respective terms of service and privacy policies. If you want to stop at any time, go to Home settings in the Nest app.	rmation above in accordance working with ELAN HOME		
		ALLOW		
	Diana Tama (Oping			

5. 在 Nest 的网页中会弹出认证代码





6. 将 Nest 的认证代码,填写到 ELAN 主机中,然后点击 "Apply",之后点击 "Discover Devices"

Communication Devic	e: Nest Interface			
Name	Nest Interface			
System #	4594			
Device Type	Ethernet / Nest Interface			
Enter Nest PIN	V3ETETFD			
Push ELAN System Modes	Yes	•		
Structure	[Authorization Needed]	-		
Apply	Discover Devices		Deauthorize	Authorize

7. 这时就能看到 Nest 温控器已经被加入到 Elan 主机中了,如果有一个 Nest 帐号内有多台 Nest 温控器,那么这些温控器都能够加入到这台 Elan 主机内

Global Options	Thermostat : Family F	Room	
🛫 Nest Interface (home)	Name	Family Room	
📃 📕 Thermostats	- Svstem #	4597	
Family Room     Family Room	Driver Version	8.2 Build 350.0 Rel	
Default Unit	Driver Vendor	ELAN	
HeatCoolFan	Device Type	Nest Thermostat	
Custom Pages	Unit Scale	с	<b>_</b>
Interface Groups	Ean Timer (Minutes)	15	
		Nest Interface (home)	
	Communication Device	Nest Intenace (nome)	
			1
	Heating Unit	HeatCoolFan	<u>_</u>
	Cooling Unit	HeatCoolFan	~
	Show Usage in History	Yes	-

8. 进入 Elan 的控制界面,我们就可以对 Nest 进行控制了

Ξ		Bedroom	👃 🔟
	室温	制冷	
	<b>23.0°</b> <sub>实时温度</sub>	<mark>24.0°</mark> 设置温度 温度	<ul> <li>▲</li> <li>↓</li> <li>↓</li></ul>
		☞ 功能选择接	<b>そ</b> 健

注意:

- (1) 由于 Nest 和 Elan 采用云端的通讯方式,所以 Elan 主机发出命令后,Elan 的云服务器会与 Nest 云服务器进行数据交互,这时触摸屏上会显示 "Sending",证明 Elan 的云服务器在给 Nest 云服务器发命令,等待几 秒后, Nest 温控器就会发生变化。
- (2) Nest 设置了特殊的算法,任何第三方设备对 Nest 温控器进行控制时,一个小时只能发送 10 次命令; 10 次以上的命令, Nest 可能无法收到。

	Bedroom		L	<u>111</u>
室温		制冷		
23.0°	2	20.5°		
Sending				