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全宅智能 & 私人影院第一品牌

IP2CC 扩展模块的使用说明

GlobalCache 扩展模块,可以很方便的扩展智能系统的功能,例如当标配一个g1 主机,遇到需要控制几路灯光,我们可以添加几个扩展模块,以达到控制灯光的作用。

本章节用 IP 转继电器模块作为例子 DV-IP2CC。



此模块的 IP2CC 是需要外接一个电源,具有网络接口和 3个 relay 口

开始编程之前,我们需要准备

1,g1 主机和装有g!Tools 软件的电脑。

- 2,g1 主机和 扩展模块 IP2CC 使用无线路由连接在同一个局域网络,并接上电源。
- 3,在电脑上下载 GlobalCache 的 iHelp 小工具或其他网络寻址工具。



1,直接打开 iHelp 工具 🐃

可以找到相应设备上的 ip 地址 和 MAC 地址。

请看下图

此软件会搜索到它自家设备的产品。

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det	IP Address	MAC Address	
TachIP2CC	192. 168. 0. 55	000C1E032588	

2,得知了扩展模块的 ip 地址后,打开编程软件,

去到一级菜单的 Input/output, 在 communication devices 右击, 添加新的通讯设备。



3,选择驱动 GlobalCache GC100 iTach ,enthernet。

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Device Name GlobalCach	e GC-100, iTach	Show Unsupported Devices
Communication Type		Hardware Type
Name	Version	Ethernet
Generic Serial	7.1 Build 559.0 Rel	
GlobalCache GC-100, iTach	7.1 Build 559.0 Rel	
HC Extender Intenace	7.1 Build 559.0 Rei	
Local ELAN Host System	7.1 Build 559.0 Rel	
MOXA NPORT 5410 2 Port	7.1 Build 559.0 Rel	
MOXA NPORT 5410 4 Port	7.1 Build 559.0 Rel	
MOXA NPORT 5610 16 Port	7.1 Build 559.0 Rel	
MOXA NPORT 5610 8 Port	7.1 Build 559.0 Rel	A CONTRACTOR OF
Remote ELAN Host System	7.1 Build 559.0 Rel	
Standard Connection	7.1 Build 559.0 Rel	
Tapko SIM-KNX	7.1 Build 559.0 Rel	
Xantech XLIP	7.1 Build 559.0 Rel	
Device		Cancel OK

4, 点击 OK, 它在右边属性框里出现, 该模块的相关信息, 需要我们填写。

GlobalCache GC-100, iTach	Communication E	Device: GlobalCache GC-100, iTach
+ Cense Inputs	Name	GlobalCache GC-100, iTach
+ Relay Outputs	Svstem #	4667
Generic Serial Devices	Device Type	Ethernet / GlobalCache GC-100, iTach
🗏 📭 IR Receivers	Enable Sharing	No
g1 IR receiver	Sharing Port	0
💻 🎟 IR Devices	ID A LL	
🕂 🎟 g1REM Code Set	IP Address	192 . 168 . 0 . U
漏 Numeric Triggers	Port	4998
群 Graph Objects		
Backup Objects		
😴 Client HomeLogic Systems		

5,把 ip 地址填入后,点击 Apply 之后再点击 discover devices 按钮。稍等一会就可以自动搜寻到扩展模块的设备,并添加驱动,如下图所示。

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Communication Devices	Communication Devic	e: GlobalCache GC-100, iTach	
+ Sense Inputs	Name	GlobalCache GC-100, iTach	
+ 🛲 Relay Outputs	System #	4667	
Generic Serial Devices	Device Type	Ethernet / GlobalCache GC-100, iTach	
	Enable Charing	No	
a1 IR receiver		0	
- IR Devices	Sharing Port		16
Ŧ 🎟 g1REM Code Set	IP Address	192 . 168 . 0 . 55	
🏹 Numeric Triggers	Port	4998	
苷 Graph Objects			
Backup Objects			
🝒 Client HomeLogic Systems			
	Apply	Discover Devices	

Communication Devices	Communication De	evice: GlobalCache GC-100, iTach
Sense Inputs	Name	GlobalCache GC-100, iTach
+ g1 Input Ctlr + Niles SI-1230	System #	4667
Relay Outputs	Device Type	Ethernet / GlobalCache GC-100, iTach
H Niles SI-1230	Enable Sharing	No
🕂 🔲 Relay Block 1 (GlobalCache GC-100	Sharing Port	0
📟 Generic Serial Devices		400 400 0 55
🗏 📫 IR Outputs	IP Address	192 . 108 . 0 . 55
	Dot	4998

6, 驱动添加完毕后,进入实际的运用。例如把扩展模块的 relay 口 1, 控制一路 灯光的开关。

我们到一	·级菜单的	Lighting 的新建-	一个页面	Custom Pages 处。
* 411 4 - 4			1 2 1 1 1 1	

System	Communication Devices	
Security	📕 Keypad Interfaces	
	🚺 Customizable Scenes	
Climate	🕂 📕 Keypad Templates	
	Schedule	
Lighting	🔠 🛃 Custom Pages	Add New Custom Page
0	Interface Groups	ride rich custom rugem
Content		
Media		
iniouna		
Video		

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再在页面上新建一个 toggle 按钮如下图

Add New	Control			
d New Con	trol	X		
d New Con	trol	×		
d New Con ame	trol Button (Standard)			
d New Con ame ontrol Type	trol Button (Standard)			
d New Con ame ontrol Type Button (Mome	Button (Standard)			
d New Con iame control Type Button (Mome Button (Stand	Button (Standard)			
d New Con lame Control Type Button (Mome Button (Stand Button (Toggk Calendar	Button (Standard) entary) lard) e)			

7, 右击按钮设置事件 event map

Cancel

Clock (Time Only) Composite Video Door Lock

Graph View Icon Image

Input Toggle Indicator KNX Shade Button (Latching)

Door Lock Secure All Button Door Lock Unsecure All Button

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OK



Button (To	oggle)
Add New Control	
Delete Control	
Copy Settings	
Show Properties	
Create Event Map For	Toggle Button On
Copy Control Group	Toggle Button Off

如下图所示,但按钮按下后, IP2CC 模块 relay 1 闭合 turn on 再按下按钮时 relay 1 断开。

这样当你在 relay1 接了灯光回路后,自然就可以控制灯光的开和关了。这只是 其中一个应用,工程师们根据实际需要可以拓展出其他更高级的功能。

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Add Command		×
System Family	Command Groups	
Audio Zone Controller Climate System Display Door Lock Energy Monitoring General System Generic Device Generic HTTP Device Generic Serial Device Input/Output Inputs Interface Device IR Sender Irrigation System Keypad Controller Lighting System Media System Media System Messaging Outputs Pool Control Security System Timers Tuner UPS (Uninterruptible P Variables Video Controller	Niles SI-1230: Trigger Output 4 Niles SI-1230: Trigger Output 5 Niles SI-1230: Trigger Output 6 Niles SI-1230: Trigger Output 7 Niles SI-1230: Trigger Output 9 Relay Block 1 (GlobalCache GC-100, iTach): Output 1 Relay Block 1 (GlobalCache GC-100, iTach): Output 2 Relay Block 1 (GlobalCache GC-100, iTach): Output 3 Available Commands Turn Output Off Turn Output Off	
Midao Conjor		

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ame Button (Toggle):Toggle Button On			Syste	em # 4	342
Events (ANY Event Specified can execute c	ommands, if conditions are n	net)			ursan a
Sub-System	Туре	Family		Sys #	Add
Tgl.Button: (New Page Large Format)->Butt	. Toggle Button On	Genera	System	4837	Add
					Remove
Conditions (ALL Conditions specified must be	e met for Commands to Exec	ute)			
Sub-System	Туре	Family	Svs #	State	
-					Add
		75			Add
	0	91 91			Remove
Commands (ALL Commands will execute if E	vent occurs and Conditions	are met)			Remove
Commands (ALL Commands will execute if E Sub-System	vent occurs and Conditions	are met) Family		Sys#	Add Remove
Commands (ALL Commands will execute if E Sub-System Relay Block 1 (GlobalCache GC-100, iTach)	vent occurs and Conditions Type . Turn Output On	are met) Family Outputs		Sys #	Add Remove Add Remove
Commands (ALL Commands will execute if E Sub-System Relay Block 1 (GlobalCache GC-100, ITach)	vent occurs and Conditions Type Turn Output On	are met) Family Outputs		Sys # 4673	Add Remove Add Remove Move Up
Commands (ALL Commands will execute if E Sub-System Relay Block 1 (GlobalCache GC-100, iTach)	vent occurs and Conditions Type . Turn Output On	are met) // Family Outputs		Sys # 4673	Add Remove Add Remove Move Up Move Down

ame Button (Toggle):Toggle	Button Off		Syste	em#	4843
Events (ANY Event Specified	can execute commands, if conditions are m	net)			
Sub-System	Туре	Family		Sys #	
gl.Button: (New Page Large	Format)->Butt Toggle Button Off	General	System	4838	Add
					Remove
onditions (ALL Conditions sp Sub-System	Decified must be met for Commands to Exect Type	ute) Family	Sys #	State	Add
		71			Remove
Commands (ALL Commands v	will execute if Event occurs and Conditions a	are met)		10	Remove
commands (ALL Commands v Sub-System	will execute if Event occurs and Conditions a	are met) Family Outputs		Sys #	Remove
Commands (ALL Commands v Sub-System Relay Block 1 (GlobalCache G	will execute if Event occurs and Conditions a Type C-100, iTach) Turn Output Off	are met) Family Outputs		Sys #	Remove
Commands (ALL Commands v Sub-System Relay Block 1 (GlobalCache G	will execute if Event occurs and Conditions a Type SC-100, iTach) Turn Output Off	are met) Family Outputs		Sys # 4674	Add Remove Move Up
Commands (ALL Commands v Sub-System Relay Block 1 (GlobalCache G	will execute if Event occurs and Conditions a Type 3C-100, iTach) Turn Output Off	are met) // Family Outputs		Sys #	Add Remove Move Up Move Dov

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Add Command		×
System Family	Command Groups	
Audio Zone Controller Climate System Display Door Lock Energy Monitoring General System Generic Device Generic Serial Device Input/Output Inputs Interface Device IR Sender Irrigation System Keypad Controller Lighting System Media System	Niles SI-1230: Trigger Output 4 Niles SI-1230: Trigger Output 5 Niles SI-1230: Trigger Output 6 Niles SI-1230: Trigger Output 7 Niles SI-1230: Trigger Output 8 Niles SI-1230: Trigger Output 9 Relay Block 1 (GlobalCache GC-100, iTach): Output 1 Relay Block 1 (GlobalCache GC-100, iTach): Output 2 Relay Block 1 (GlobalCache GC-100, iTach): Output 2 Relay Block 1 (GlobalCache GC-100, iTach): Output 3 Available Commands Turn Output Off Turn Output On	
Messaging Outputs Pool Control Security System Timers Tuner UPS (Uninterruptible P Variables Video Controller	Cancel	ж

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