# 1.获取接口

**1.1获取系统模式列表**（pattern\_system表）

public class PatternSystemDTO

{

public int PatternSystemId // 模式在数据库表中的ID值

public string PatternName // 模式名称

public string PatternDesc // 模式描述

public string Weather // 天气

public string Season // 季节

public bool Isholiday // 是否节假日

public List<PatternIBMSDTO> patternItems; // 模式的子项列表

}

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/GetAllSysPattern |
| 请求方式 | Post |
| 参数: | 无 |
| 返回值 | {"GetAllSysPatternResult":[{"Isholiday":false,"PatternDesc":"www","PatternName":"aaa","PatternSystemId":18,"Season":"夏","Weather":"晴","patternItems":[{"CurrentId":0,"Isholiday":false,"ModCode":110100000,"ModuleId":110000060,"PatternDesc":"","PatternId":5,"PatternName":"自动亮度模式","Season":"","Weather":"","patternItems":[{"\_\_type":"PatternItemLightingDTO:#HXCT.IBMS.Dto.ModelDTO","Delay":"PT0S","DevList":[130002037],"IntevalDesc":"","PatternId":5,"StartTime":"PT8H50M","Tid":37,"setOnOff":true,"Brightness":0.0,"SetAutoBrightness":true}]},{"CurrentId":0,"Isholiday":true,"ModCode":200100000,"ModuleId":110000046,"PatternDesc":"广播播放","PatternId":1,"PatternName":"夏天","Season":"夏","Weather":"晴","patternItems":[{"\_\_type":"PatternItemBroadcastDTO:#HXCT.IBMS.Dto.ModelDTO","Delay":"PT0S","DevList":[130001987],"IntevalDesc":"","PatternId":1,"StartTime":"PT8H52M","Tid":1,"setOnOff":true,"PlayFileList":"Kalimba","PlayType":1}]}]},{"Isholiday":true,"PatternDesc":"","PatternName":"qqq","PatternSystemId":20,"Season":"夏","Weather":"晴","patternItems":[{"CurrentId":0,"Isholiday":false,"ModCode":110100000,"ModuleId":110000060,"PatternDesc":"","PatternId":5,"PatternName":"自动亮度模式","Season":"","Weather":"","patternItems":[{"\_\_type":"PatternItemLightingDTO:#HXCT.IBMS.Dto.ModelDTO","Delay":"PT0S","DevList":[130002037],"IntevalDesc":"","PatternId":5,"StartTime":"PT8H50M","Tid":37,"setOnOff":true,"Brightness":0.0,"SetAutoBrightness":true}]},{"CurrentId":0,"Isholiday":true,"ModCode":200100000,"ModuleId":110000046,"PatternDesc":"广播播放","PatternId":1,"PatternName":"夏天","Season":"夏","Weather":"晴","patternItems":[{"\_\_type":"PatternItemBroadcastDTO:#HXCT.IBMS.Dto.ModelDTO","Delay":"PT0S","DevList":[130001987],"IntevalDesc":"","PatternId":1,"StartTime":"PT8H52M","Tid":1,"setOnOff":true,"PlayFileList":"Kalimba","PlayType":1}]}]}]} |

**1.2获取模式列表 （表pattern\_ibms）**

public class PatternIBMSDTO

{

public int PatternId // 模式在数据库表中的ID值

public string PatternName // 模式名称

public string PatternDesc // 模式描述

public int ModuleId // cold/hot/aircond/fresh对应的模块ID

public ModuleType\_e ModCode // cold/hot/aircond/fresh对应的模块类型

public string Weather // 天气

public string Season // 季节

public bool Isholiday // 季节

public List<PatternItemBaseDTO> patternItems; // 模式的子项列表

public int CurrentId; // 模式当前所运行的子项ID

}

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/GetAllPattern |
| 请求方式 | Post |
| 参数: | 无 |
| 返回值 | {  "GetAllPatternResult" : [ {  "CurrentId" : 0,  "Isholiday" : true,  "ModCode" : 200100000,  "ModuleId" : 110000046,  "PatternDesc" : "广播播放",  "PatternId" : 1,  "PatternName" : "夏天",  "Season" : "夏",  "Weather" : "晴",  "patternItems" : [ ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "",  "PatternId" : 5,  "PatternName" : "自动亮度模式",  "Season" : "",  "Weather" : "",  "patternItems" : [ ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 200100000,  "ModuleId" : 110000046,  "PatternDesc" : "",  "PatternId" : 10,  "PatternName" : "广播测试",  "Season" : "过渡季",  "Weather" : "雨",  "patternItems" : [ ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "qqdf",  "PatternId" : 12,  "PatternName" : "tth",  "Season" : "过渡季",  "Weather" : "雨",  "patternItems" : [ ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "",  "PatternId" : 13,  "PatternName" : "自动亮度模式-副本",  "Season" : "",  "Weather" : "",  "patternItems" : [ ]  } ]  } |

**1.3获取指定模块的所有模式信息 （表pattern\_ibms）**

PatternIBMSDTO

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/GetPatternByModuleId |
| 请求方式 | Post |
| 参数: | { "modId" : 110000060} 模块id |
| 返回值 | {  "GetPatternByModuleIdResult" : [ {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "",  "PatternId" : 13,  "PatternName" : "自动亮度模式-副本",  "Season" : "",  "Weather" : "",  "patternItems" : [ ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "qqdf",  "PatternId" : 12,  "PatternName" : "tth",  "Season" : "过渡季",  "Weather" : "雨",  "patternItems" : [ {  "\_\_type" : "PatternItemLightingDTO:#HXCT.IBMS.Dto.ModelDTO",  "Delay" : "PT0S",  "DevList" : [ 130002037 ],  "IntevalDesc" : "",  "PatternId" : 12,  "StartTime" : "PT8H",  "Tid" : 32,  "setOnOff" : false,  "Brightness" : 0.0,  "SetAutoBrightness" : false  } ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "",  "PatternId" : 5,  "PatternName" : "自动亮度模式",  "Season" : "",  "Weather" : "",  "patternItems" : [ {  "\_\_type" : "PatternItemLightingDTO:#HXCT.IBMS.Dto.ModelDTO",  "Delay" : "PT0S",  "DevList" : [ 130002037 ],  "IntevalDesc" : "",  "PatternId" : 5,  "StartTime" : "PT8H",  "Tid" : 31,  "setOnOff" : true,  "Brightness" : 0.0,  "SetAutoBrightness" : false  } ]  } ]  } |

**1.4通过模式Id获取模式信息（表pattern\_ibms）**

PatternIBMSDTO

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/GetPatternById |
| 请求方式 | Post |
| 参数: | { "Id":1} |
| 返回值 | {  "GetPatternByIdResult" : {  "CurrentId" : 0,  "Isholiday" : true,  "ModCode" : 200100000,  "ModuleId" : 110000046,  "PatternDesc" : "广播播放",  "PatternId" : 1,  "PatternName" : "夏天",  "Season" : "夏",  "Weather" : "晴",  "patternItems" : [ {  "\_\_type" : "PatternItemBroadcastDTO:#HXCT.IBMS.Dto.ModelDTO",  "Delay" : "PT0S",  "DevList" : [ 130001987 ],  "IntevalDesc" : "",  "PatternId" : 1,  "StartTime" : "PT8H52M",  "Tid" : 1,  "setOnOff" : true,  "PlayFileList" : "Kalimba",  "PlayType" : 1  } ]  }  } |

**1.5获取某个模块的当前运行模式 （表pattern\_ibms）**

PatternIBMSDTO

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/GetRunningPattern |
| 请求方式 | Post |
| 参数: | { "moduleId":110000060} |
| 返回值 | {"GetRunningPatternResult":null} |

# 2.编辑接口

## 2.1系统级编辑：（PatternSyste表）

**2.1.1保存系统模式**

public class PatternSystemDTO

{

public int PatternSystemId // 模式在数据库表中的ID值

public string PatternName // 模式名称

public string PatternDesc // 模式描述

public string Weather // 天气

public string Season // 季节

public bool Isholiday // 是否节假日

public List<PatternIBMSDTO> patternItems; // 模式的子项列表

}

List<PatternSystemDTO> **SaveSysPattern**(List<PatternSystemDTO> ptnLst);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/SaveSysPattern |
| 请求方式 | Post |
| 参数: | {"ptnLst":[{"patternItems":[{"patternItems":[],"CurrentId":0,"PatternId":5,"PatternName":"自动亮度模式","PatternDesc":"","ModuleId":110000060,"ModCode":110100000,"Weather":"","Season":"","Isholiday":false},{"patternItems":[],"CurrentId":0,"PatternId":10,"PatternName":"广播测试","PatternDesc":"","ModuleId":110000046,"ModCode":200100000,"Weather":"雨","Season":"过渡季","Isholiday":false}],"PatternSystemId":0,"PatternName":"qqq1","PatternDesc":"","Weather":"晴","Season":"夏","Isholiday":false}]} |
| 返回值 | {"SaveSysPatternResult":[{"Isholiday":false,"PatternDesc":"","PatternName":"qqq1","PatternSystemId":23,"Season":"夏","Weather":"晴","patternItems":[{"CurrentId":0,"Isholiday":false,"ModCode":110100000,"ModuleId":110000060,"PatternDesc":"","PatternId":5,"PatternName":"自动亮度模式","Season":"","Weather":"","patternItems":[]},{"CurrentId":0,"Isholiday":false,"ModCode":200100000,"ModuleId":110000046,"PatternDesc":"","PatternId":10,"PatternName":"广播测试","Season":"过渡季","Weather":"雨","patternItems":[]}]}]} |

**2.1.2删除一个模式通过模式ID**

void DelSysPatternById(params int[] PatternIds);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/DelSysPatternById |
| 请求方式 | Post |
| 参数: | { "PatternIds":[1,2]} |
| 返回值 | {} |

**~~2.1.3增加一个模式~~**

~~int AddSysPattern(PatternSystemDTO ptn);~~

|  |  |
| --- | --- |
| ~~url~~ | ~~http://172.29.1.170:60002/PatternService/AddSysPattern~~ |
| ~~请求方式~~ | ~~Post~~ |
| ~~参数:~~ |  |
| ~~返回值~~ | ~~{}~~ |

**~~2.1.4修改一个模式~~**

~~void ModSysPattern(PatternSystemDTO ptn);~~

|  |  |
| --- | --- |
| ~~url~~ | [~~http://172.29.1.170:60002/PatternService/ModSysPattern~~](http://172.29.1.170:60002/PatternService/ModSysPattern) |
| ~~请求方式~~ | ~~Post~~ |
| ~~参数:~~ | ~~{ "PatternIds":[1,2]}~~ |
| ~~返回值~~ | ~~{}~~ |

## 2.2整体编辑：

**2.2.1增加一个模式**

int AddPattern(PatternIBMSDTO ptn);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/AddPattern |
| 请求方式 | Post |
| 参数: | {"ptn":{"patternItems":[],"CurrentId":0,"PatternId":0,"PatternName":"999","PatternDesc":"","ModuleId":110000060,"ModCode":110100000,"Weather":"晴","Season":"夏","Isholiday":true}} |
| 返回值 | {"AddPatternResult":18} |

**2.2.2删除一个模式，通过模式信息**

void DelPattern(PatternIBMSDTO ptn);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/DelPattern |
| 请求方式 | Post |
| 参数: | {"ptn":{"patternItems":[],"CurrentId":0,"PatternId":18,"PatternName":"999","PatternDesc":"","ModuleId":110000060,"ModCode":110100000,"Weather":"晴","Season":"夏","Isholiday":true}} |
| 返回值 | {} |

**2.2.3删除一个模式通过模式ID**

void DelPatternById(int PatternId);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/DelPatternById |
| 请求方式 | Post |
| 参数: | {"PatternId":18 } |
| 返回值 | {} |

**2.2.4删除一个模式通过模块类型和模式ID**

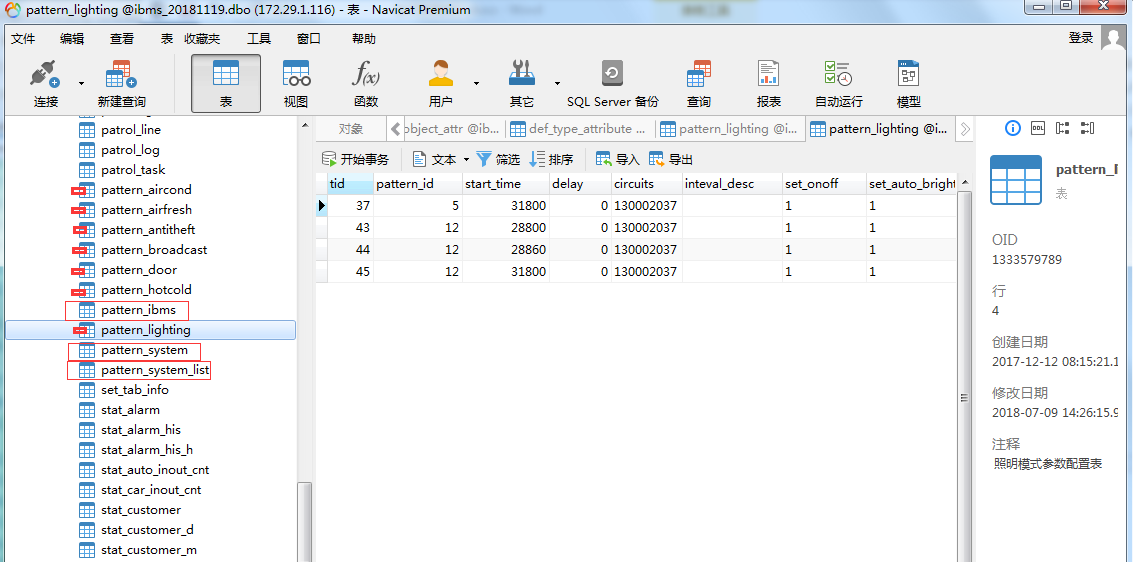
void DelPatternByCodeId(ModuleType\_e moduleCode, int PatternId);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/DelPatternByCodeId |
| 请求方式 | Post |
| 参数: | {"PatternId":18,"ModCode":110100000} |
| 返回值 | {} |

**2.2.5修改一个模式**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/ModPattern |
| 请求方式 | Post |
| 参数: | {"ptn":{"patternItems":[],"CurrentId":0,"PatternId":21,"PatternName":"99996","PatternDesc":"","ModuleId":110000060,"ModCode":110100000,"Weather":"晴","Season":"夏","Isholiday":true}} |
| 返回值 | {} |

## 2.3子项编辑：（空调模式子项0、新风模式子项1、防盗模式子项2、广播模式子项3、门禁模式子项4、冷热源模式子项5、照明模式子项6）



**2.3.1增加子项**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/addPatternSubItem |
| 请求方式 | Post |
| 参数: | {"obj":"{\"type\":6,\"SetAutoBrightness\":true,\"Brightness\":0.0,\"Tid\":0,\"StartTime\":\"08:01:00\",\"Delay\":\"00:00:00\",\"IntevalDesc\":\"\",\"PatternId\":12,\"DevList\":[130002037],\"setOnOff\":true}"} |
| 返回值 | {"AddPatternSubItemForWebResult":45} |

**2.3.2删除子项**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/delPatternSubItem |
| 请求方式 | Post |
| 参数: | {"modCode":110100000,"patternId":12,"subItemId":43} |
| 返回值 | {"delPatternSubItemResult":true} |

**2.3.2修改子项**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/modPatternSubItem |
| 请求方式 | Post |
| 参数: | {"obj":"{\"type\":6,\"SetAutoBrightness\":true,\"Brightness\":0.0,\"Tid\":46,\"StartTime\":\"08:55:00\",\"Delay\":\"00:00:00\",\"IntevalDesc\":\"\",\"PatternId\":12,\"DevList\":[130002037],\"setOnOff\":true}"} |
| 返回值 | {"UpdatePatternSubItemForWebResult":true} |

# 3.操作接口

**3.1启动一个模式通过模式ID (表pattern\_ibms)**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/StartPatternById |
| 请求方式 | Post |
| 参数: | { "patternId":1} |
| 返回值 | {} |

**3.2启动一个模式通过模块ID**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/StartPatternByModId |
| 请求方式 | Post |
| 参数: | { "ModId":110000060} |
| 返回值 | {} |

**3.3停止一个模式通过模块ID**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/StopPatternByModId |
| 请求方式 | Post |
| 参数: | {"ModId":110000060} |
| 返回值 | {} |