

第三方与派尔云交互协议

通讯采用 Http 服务。

POST, UTF-8, application/x-www-form-urlencoded

1. 登录协议（**登陆后不再使用，记得登出**）

URL:

http://47.110.159.148:19002/manager.do

发送:

```
{
  "cid": "clogin",
  "ctype": "windows",
  "cname": "(用户名)",
  "cpwd": "(密码)"
}
```

返回:

```
{
  "cid": "clogin",
  "cmsg": "ok",
  "code": "0000",
  "uflag": "0",
  "deviceList": [{
    "did": "2020-SHPD-D5002-0017",
    "dname": "2020-SHPD-D5002-0017",
    "donline": "0",
    "dtype": "全向声波 R360XS2",
    "ip_port": "124.65.8.132:46249",
    "loginDate": "2021-05-19 07:00:35"
  }, {
    "did": "2020-SHPD-D5002-0002",
    "dname": "2020-SHPD-D5002-0002",
    "donline": "1",
    "dtype": "全向声波 R360XS2",
```

```
    "ip_port": "124.65.9.64:28724",
    "loginDate": "2021-06-01 14:10:14" }]
}
```

登录协议可以获得所有设备及在线状态。

donline:0 离线。

donline:1 在线

2. 登出协议

URL:

<http://47.110.159.148:19002/manager.do>

发送:

```
{
  "cid": "clogout",
  "ctype": "windows",
  "cname": "(用户名)",
}
```

返回:

```
{
  "cid": "clogout",
  "cmsg": "ok",
  "code": "0"
}
```

3. 设备实时状态协议

URL:

<http://47.110.159.148:19002/qxsbr360xs.do>

发送:

```
{
  "cid": "cstatus",
  "ctype": "windows",
}
```

```
"cname": "(用户名)",
"dtype": "全向声波 R360XS2",
"did": "2020-SHPD-D5002-0002"
}
```

返回:

```
{
  "cid": "cstatus",
  "cmsg": "ok",
  "code": "0000",
  "deviceList": [
    {
      "d_socket": {
        "removed": false
      },
      "d_status": "{\"model\":\"D5002\", \"audio_timer\":{\"end_date\": \"2022/01/01\", \"timer_play_mode\":\"intermittent_play\", \"rest_time\":10, \"play_time\":1, \"list\":{\"sat\":{\"valid\":true, \"period_list\":[{\"end_time\":\"20:00:00\", \"start_time\":\"07:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}], \"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}], \"thur\":{\"valid\":true, \"period_list\":[{\"end_time\":\"20:00:00\", \"start_time\":\"07:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}], \"wed\":{\"valid\":true, \"period_list\":[{\"end_time\":\"20:00:00\", \"start_time\":\"07:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}], \"sat\":{\"valid\":true, \"period_list\":[{\"end_time\":\"20:00:00\", \"start_time\":\"07:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}], \"sun\":{\"valid\":true, \"period_list\":[{\"end_time\":\"20:00:00\", \"start_time\":\"07:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}], \"mon\":{\"valid\":true, \"period_list\":[{\"end_time\":\"20:00:00\", \"start_time\":\"07:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}], \"tue\":{\"valid\":true, \"period_list\":[{\"end_time\":\"20:00:00\", \"start_time\":\"07:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}, {\"end_time\":\"00:00:00\", \"start_time\":\"00:00:00\", \"single_audio_name\":\"\", \"play_mode\":\"loop\"}]}\"}
```


h\":"/home/root/PaierAudioSystem/audio/13 苍鹰 1.mp3\"},{\"name\\":\"14 鹿惨叫.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/14 鹿惨叫.mp3\"},{\"name\\":\"15 鸟类惨叫 1.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/15 鸟类惨叫 1.mp3\"},{\"name\\":\"16 大象.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/16 大象.mp3\"},{\"name\\":\"17 鬼叫.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/17 鬼叫.mp3\"},{\"name\\":\"18 枪击 1.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/18 枪击 1.mp3\"},{\"name\\":\"19 枪击 2.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/19 枪击 2.mp3\"},{\"name\\":\"20 苍鹰 2.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/20 苍鹰 2.mp3\"},{\"name\\":\"21 大狂.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/21 大狂.mp3\"},{\"name\\":\"22 鸟类惨叫 2.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/22 鸟类惨叫 2.mp3\"},{\"name\\":\"23 鸟类惨叫 3.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/23 鸟类惨叫 3.mp3\"},{\"name\\":\"24 狐狸 1.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/24 狐狸 1.mp3\"},{\"name\\":\"25 浣熊.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/25 浣熊.mp3\"},{\"name\\":\"26 枪击 3.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/26 枪击 3.mp3\"},{\"name\\":\"27 枪击 4.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/27 枪击 4.mp3\"},{\"name\\":\"28 雕.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/28 雕.mp3\"},{\"name\\":\"29 海鸥 1.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/29 海鸥 1.mp3\"},{\"name\\":\"30 鸟类惨叫 4.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/30 鸟类惨叫 4.mp3\"},{\"name\\":\"31 鸟类惨叫 5.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/31 鸟类惨叫 5.mp3\"},{\"name\\":\"32 老虎 1.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/32 老虎 1.mp3\"},{\"name\\":\"33 老虎 2.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/33 老虎 2.mp3\"},{\"name\\":\"34 枪击 5.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/34 枪击 5.mp3\"},{\"name\\":\"35 枪击 6.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/35 枪击 6.mp3\"},{\"name\\":\"36 海鸥 2.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/36 海鸥 2.mp3\"},{\"name\\":\"37 黑喉石鸡.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/37 黑喉石鸡.mp3\"},{\"name\\":\"38 鸟类惨叫 6.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/38 鸟类惨叫 6.mp3\"},{\"name\\":\"39 鸟类惨叫 7.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/39 鸟类惨叫 7.mp3\"},{\"name\\":\"40 红脚隼 1.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/40 红脚隼 1.mp3\"},{\"name\\":\"41 红脚隼 2.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/41 红脚隼 2.mp3\"},{\"name\\":\"42 老虎 3.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/42 老虎 3.mp3\"},{\"name\\":\"43 老虎 4.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/43 老虎 4.mp3\"},{\"name\\":\"44 枪击 7.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/44 枪击 7.mp3\"},{\"name\\":\"45 枪击 8.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/45 枪击 8.mp3\"},{\"name\\":\"46 红脚隼 3.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/46 红脚隼 3.mp3\"},{\"name\\":\"47 红脚隼 4.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/47 红脚隼 4.mp3\"},{\"name\\":\"48 猫鼬.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/48 猫鼬.mp3\"},{\"name\\":\"49 响尾蛇.mp3\"},{\"path\\":\"/home/root/PaierAudioSystem/audio/49 响尾蛇.mp3\"},{\"name\\":\"50 红脚隼 5.mp3\"},{\"path\\":\"/home/root/

```
PaierAudioSystem/audio/50 红脚隼 5.mp3\"}, {"name\": \"51 孔雀.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/51 孔雀.mp3\"}, {"name\": \"52 鸟类惨叫 8.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/52 鸟类惨叫 8.mp3\"}, {"name\": \"53 鸟类惨叫 9.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/53 鸟类惨叫 9.mp3\"}, {"name\": \"54 枪击 9.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/54 枪击 9.mp3\"}, {"name\": \"55 枪击 10.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/55 枪击 10.mp3\"}, {"name\": \"56 老鹰 1.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/56 老鹰 1.mp3\"}, {"name\": \"57 老鹰 2.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/57 老鹰 2.mp3\"}, {"name\": \"58 鸟类惨叫 10.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/58 鸟类惨叫 10.mp3\"}, {"name\": \"59 小鸟惨叫.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/59 小鸟惨叫.mp3\"}, {"name\": \"60 猫头鹰.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/60 猫头鹰.mp3\"}, {"name\": \"61 隼 1.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/61 隼 1.mp3\"}, {"name\": \"62 野猫 1.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/62 野猫 1.mp3\"}, {"name\": \"63 野猫 2.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/63 野猫 2.mp3\"}, {"name\": \"64 烟花.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/64 烟花.mp3\"}, {"name\": \"65 烟花 1.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/65 烟花 1.mp3\"}, {"name\": \"66 隼 3.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/66 隼 3.mp3\"}, {"name\": \"67 乌鸦.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/67 乌鸦.mp3\"}, {"name\": \"68 野兔子惨叫.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/68 野兔子惨叫.mp3\"}, {"name\": \"69 野兔子惨叫 2.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/69 野兔子惨叫 2.mp3\"}, {"name\": \"70 喜鹊 1.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/70 喜鹊 1.mp3\"}, {"name\": \"71 喜鹊 3.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/71 喜鹊 3.mp3\"}, {"name\": \"72 野猫 3.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/72 野猫 3.mp3\"}, {"name\": \"73 野猪 1.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/73 野猪 1.mp3\"}, {"name\": \"74 烟花 2.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/74 烟花 2.mp3\"}, {"name\": \"75REIW.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/75REIW.mp3\"}, {"name\": \"76 鸦.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/76 鸦.mp3\"}, {"name\": \"77 鸭子.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/77 鸭子.mp3\"}, {"name\": \"78OULW.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/78OULW.mp3\"}, {"name\": \"79 鸚鵡.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/79 鸚鵡.mp3\"}, {"name\": \"80 鷹 2.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/80 鷹 2.mp3\"}, {"name\": \"81 警报音 LRAD3.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/81 警报音 LRAD3.mp3\"}, {"name\": \"82 鸢 2.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/82 鸢 2.mp3\"}, {"name\": \"83 鸢 1.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/83 鸢 1.mp3\"}, {"name\": \"84 警示音 LRAD.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/84 警示音 LRAD.mp3\"}, {"name\": \"85 鸢 3.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/85 鸢 3.mp3\"}, {"name\": \"01LRAD 警示音.mp3\", \"path\": \"/home/root/PaierAudioSystem/audio/01LRAD 警示音.mp3\"}], \"signal\": \"100%\", \"type\": \"全向声波 R360XS2\", \"play_mode\": \"timer_play\", \"server
```

```

_port\":19001,\"password\": \"123456\", \"temperature\": \"33.57°C\", \"id\": \"
2020-SHPD-D5002-0002\", \"audio_time\": \"00:22/01:00\", \"humidity\": \"60%\",
\"current_audio\": \"15 鸟类惨叫 1.mp3\", \"server_ip\": \"47.110.159.148\", \"na
me\": \"2020-SHPD-D5002-0002\", \"volume\": 52, \"power\": \"27.31V/100%\", \"lon
gitude\": \"121.82245731353761\", \"latitude\": \"31.144840432508314\", \"user\
\": \"paier\"}],
    \"did\": \"2020-SHPD-D5002-0002\",
    \"dname\": \"2020-SHPD-D5002-0002\",
    \"donline\": \"1\",
    \"dtype\": \"全向声波 R360XS2\",
    \"ip_port\": \"124.65.9.64:28724\",
    \"loginDate\": \"2021-06-01 14:11:49\"
  }
]
}

```

需要经纬度，从返回值中提“longitude” ” latitude” 参数。

注意：此坐标系为高德坐标系。

4. 设备操作协议

URL:

http://47.110.159.148:19002/qxsbr360xs.do

发送:

```

{
  \"cid\": \"coperate\",
  \"cname\": \"(用户名)\",
  \"dtype\": \"全向声波 R360XS2\",
  \"did\": \"2020-SHPD-D5002-0002\",
  \"command\": [{
    \"device\": \"audioplayer\",
    \"ctype\": \"play/pause/previous/next/stop\",

```

```
        "param": ""
    }, {
        "device": "audioplayer",
        "ctype": "setVolume",
        "param": "0-100"
    }
]
}
```

返回:

```
{
  "cid": "cstatus",
  "code": 0,
  "cmsg": "ok",
  "deviceList": [{
    "did": "2020-SHPD-D5002-0002",
    "dname": "(用户名)",
    "dtype": "全向声波 R360XS2",
    "donline": "1",
    "dstatus": "JSON 状态报文"
  }
]
}
```