# 智能家居实训台服务软件接口

## 灯光控制

客厅吊顶灯开：<http://192.168.27.100:8080/light/lightControl?channel=3-1>

客厅吊顶灯关：<http://192.168.27.100:8080/light/lightControl?channel=3-2>

客厅辅灯开：<http://192.168.27.100:8080/light/lightControl?channel=3-3>

客厅辅灯关：<http://192.168.27.100:8080/light/lightControl?channel=3-4>

厨房吊顶灯开：<http://192.168.27.100:8080/light/lightControl?channel=3-5>

厨房吊顶灯关：<http://192.168.27.100:8080/light/lightControl?channel=3-6>

## 窗帘控制

窗帘打开：<http://192.168.27.100:8080/curtain/curtainControl?cmd=open>

窗帘关闭：<http://192.168.27.100:8080/curtain/curtainControl?cmd=close>

窗帘停止：<http://192.168.27.100:8080/curtain/curtainControl?cmd=stop>

## 环境监测

查询温湿度：<http://192.168.27.100:8080/env/getData>

RESP：{"success":true,"temp":20.52, "humi":46.86}

## 继电器IO控制

门锁打开：<http://192.168.27.100:8080/io/ioControl?key=lock&value=on>

门锁闭合：<http://192.168.27.100:8080/io/ioControl?key=lock&value=off>

排风扇打开：<http://192.168.27.100:8080/io/ioControl?key=fan&value=on>

排风扇关闭：<http://192.168.27.100:8080/io/ioControl?key=fan&value=off>

水阀打开：[http://192.168.27.100:8080/io/ioControl?key=valve&value=on](http://192.168.27.100:8080/io/ioControl?key=lock&value=on)

水阀关闭：[http://192.168.27.100:8080/io/ioControl?key=valve&value=off](http://192.168.27.100:8080/io/ioControl?key=lock&value=off)

报警灯打开：<http://192.168.27.100:8080/io/ioControl?key=alarm&value=on>

报警灯关闭：<http://192.168.27.100:8080/io/ioControl?key=alarm&value=off>

## 客厅安防状态查询

客厅安防状态查询：<http://192.168.27.100:8080/io/getIoState?position=parlour>

RESP: {"success":true ,"button":false,"irSensor":false,"irCurtain":false }

button：报警按钮

irSensor：人体红外

irCurtain：红外幕帘

## 厨房安防状态查询

厨房安防状态查询：<http://192.168.27.100:8080/io/getIoState?position=kitchen>

RESP：{"success":true,"leak":false, "smoke":false,"gas":false}

leak：水浸传感器

smoke：烟雾传感器

gas：燃气传感器

## 电视控制

红外学习：<http://192.168.27.100:8080/tv/irLearn?key=key1|key2|...|key21>

红外控制：<http://192.168.27.100:8080/tv/irControl?key=key1|key2|...|key21>

## 视频监控

获取图像：<http://192.168.27.100:8080/camera/getImage>

云台控制：<http://192.168.27.100:8080/camera/ptzControl?dir=up|down|left|right>