

# Yaokan SDK3 iOS 说明文档

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版本	说明	备注	日期
v1	新建	Dong	20190723
v1.1	增加API	Huang	20190801
v1.2	格式化	Dong	20190802

## 1. 概述

YaokanSDK3 提供完整的设备配网，设备管理，遥控器管理功能，开箱即用，快速与已有App对接的目的。

## 2. 文档阅读对象

使用 YaokanSDK3 iOS 版的开发者

## 3. 接入

需要先向商务申请 APP\_ID

## 4. API 列表

### 4.1 初始化接口

```
[YaokanSDK registApp:YOUR_APP_ID secret:YOUR_APP_SEC completion:^(NSError * _Nonnull
}];
```

## 4.2 设备接口

### 1. 配置入网

```
[YaokanSDK bindYKCWithSSID:@"2.4G-WIFI-SSID" password:@"wifipassword" completion:
];
```

### 2. 获取设备列表

```
[YaokanSDK fetchBoundYKC:^(NSArray<YKDevice *> *_Nonnull devices, NSError *_err
)];
```

### 3. 导入设备列表

```
[YaokanSDK importYKDevice:@"[{\"did\":\"A64D184C35EAB091\", \"mac\":\"DC4F22529F1
```

### 4. 设备测试

```
[YaokanSDK toggleLEDWithYKcId:@"targetMacAddr"];
```

### 5. 发送命令

```
[YaokanSDK sendRemoteWithYkcId:[YKCenterCommon sharedInstance] currentYKcId]
remoteId:remoteId remoteDeviceTypeId:typeId cmdkey:@"按键名"
completion:^(BOOL result, NSError *_Nonnull error) {

}];
```

## 6. 学习红外

```
[YaokanSDK learnIRWithYKCIId:[YKCenterCommon sharedInstance] currentYKCIId]
    remote:_remote key:key.key originRid:_remote.remoteId
    completion:^(NSString * _Nonnull ridNew, NSError * _Nonnull error) {
    }];
```

## 7. 设备开灯

```
[YaokanSDK turnOnLEDWithYKCIId:@"targetMacAddr"];
[YaokanSDK turnOffLEDWithYKCIId:@"targetMacAddr"];
```

## 8. 硬件升级OTA

```
[YaokanSDK firmwareUpdateWithYKCIId:@"targetMacAddr"];
```

## 9. 获取硬件版本

```
[YaokanSDK checkDeviceVersion:(NSString *)ykcId
    completion:(void (^__nullable)(NSString *version,NSString *otaVersion,NSError *error)) {
    }];
```

## 10. 设备复位

```
objc [YaokanSDK restoreWithYKCIId:@"targetMacAddr"];
```

# 4.2 遥控器接口

### 1. 获取被遥控设备类型列表

```
[YaokanSDK fetchRemoteDeviceTypeWithYKCIId:[YKCenterCommon sharedInstance] currentYKCIId]
    completion:^(NSArray<NSString*> * _Nonnull deviceTypes, NSError * _Nonnull error) {
    }];
```

## 2. 获取设备品牌

```
[YaokanSDK fetchRemoteDeviceBrandWithYKCIId:[YKCenterCommon sharedInstance] currentYKCenterCommon
remoteDeviceTypeId:self.deviceType.tid.integerValue
completion:^(NSArray<YKRemoteDeviceBrand *> * _Nonnull brands,
            NSError * _Nonnull error)
{
}];
```

## 3. 进入一级匹配(非空调)

```
[YaokanSDK requestFirstMatchRemoteDeviceWithYKCIId:[YKCenterCommon sharedInstance] currentYKCenterCommon
remoteDeviceTypeId:tid
remoteDeviceBrandId:self.deviceBrand.bid
completion:^(NSArray<YKRemoteMatchDevice *> * _Nonnull matches, NSError * _Nonnull error)
{
}];
```

## 4. 进入二级匹配(非空调)

```
[YaokanSDK requestSecondMatchRemoteDeviceWithYKCIId:[YKCenterCommon sharedInstance] currentYKCenterCommon
remoteDeviceTypeId:_tid
remoteDeviceBrandId:_bid group:_gid
completion:^(NSArray<YKRemoteMatchDevice *> * _Nonnull matches, NSError * _Nonnull error)
{
    if (matches.count > 0) {
    }
}];
```

## 5. 保存遥控器

```
[YaokanSDK saveRemoteDeviceWithYKCIId:[YKCenterCommon sharedInstance] currentYKCenterCommon
remoteDeviceTypeId:deviceId
remoteDeviceId:matchDevice.rid completion:^(YKRemoteDevice * _Nonnull remote, NSError * _Nonnull error)
{
}];
```

## 6. 删除遥控器

```
+ (void)removeRemoteDeivceWithYKCIId:(NSString *)ykcId
    remote:(YKRemoteDevice *)remote
    completion:(void (^__nullable)(NSError *error))completion;
```

## 7. 获取遥控器详情

```
+ (void)requestRemoteDeivceWithYKCIId:(NSString *)ykcId
    remoteDeviceTypeId:(NSUInteger)typeId
    remoteDeviceId:(NSString *)remoteDeviceId
    completion:(void (^__nullable)(NSArray *matchKeys, NSError *error))
```

## 8. 获取遥控器列表

```
[YKRemoteDevice modelsWithYkcId:[YKCenterCommon sharedInstance] currentYKCIId]]
```

## 9. 导出遥控器JSON数据

```
[YaokanSDK restoreWithYKCIId:@"targetMacAddr"];
```

## 10. 导入遥控器列表

```
[YKRemoteDevice exportRemotesWithYkcId:[YKCenterCommon sharedInstance] current
```

# 4.3 SDK错误码表

主要列出了调用SDK的时候，SDK回调返回的错误码信息

值	代码	说明
0	YKSDK_SUCC	操作成功

1001	YKSDK_APPID_INVALID	APPID无效
1002	YKSDK_SMARTCONFIG_TIMEOUT	设备配置超时
1003	YKSDK_DEVICE_DID_INVALID	设备 did 无效
1004	YKSDK_DEVICE_DID_INVALID	设备 did 无效
1005	YKSDK_CONNECTION_TIMEOUT	连接超时
1006	YKSDK_CONNECTION_REFUSED	连接被拒绝
1007	YKSDK_CONNECTION_ERROR	连接错误
1008	YKSDK_CONNECTION_CLOSED	连接被关闭
1009	YKSDK_SSL_HANDSHAKE_FAILED	ssl 握手失败
1010	YKSDK_INTERNET_NOT_REACHABLE	当前外网不可达
1011	YKSDK_NOT_INITIALIZED	SDK 未初始化
1012	YKSDK_PERMISSION_NOT_SET	app 权限不足