MSDK 智能返航提示框不触发

<https://sdk-forum.dji.net/hc/zh-cn/community/posts/4406454652825-MSDK-%E6%99%BA%E8%83%BD%E8%BF%94%E8%88%AA%E6%8F%90%E7%A4%BA%E6%A1%86%E4%B8%8D%E8%A7%A6%E5%8F%91>

confirmSmartReturnToHomeRequest方法

<https://sdk-forum.dji.net/hc/zh-cn/community/posts/4406413079705-%E5%9C%A8%E4%BD%BF%E7%94%A8confirmSmartReturnToHomeRequest%E6%96%B9%E6%B3%95%E6%97%B6-%E4%B8%80%E7%9B%B4%E6%97%A0%E8%AE%BA%E4%BD%8E%E7%94%B5%E9%87%8F%E6%98%AF%E5%90%A6%E6%99%BA%E8%83%BD%E8%BF%94%E8%88%AA-%E9%83%BD%E4%BC%9A%E6%8A%A5The->

如何监听智能返航的状态？

<https://sdk-forum.dji.net/hc/zh-cn/articles/4404876811673-%E5%A6%82%E4%BD%95%E7%9B%91%E5%90%AC%E6%99%BA%E8%83%BD%E8%BF%94%E8%88%AA%E7%9A%84%E7%8A%B6%E6%80%81->

智能低电量返航和智能低电量降落，有什么状态可以判断吗

<https://sdk-forum.dji.net/hc/zh-cn/community/posts/9057233859865-%E6%99%BA%E8%83%BD%E4%BD%8E%E7%94%B5%E9%87%8F%E8%BF%94%E8%88%AA%E5%92%8C%E6%99%BA%E8%83%BD%E4%BD%8E%E7%94%B5%E9%87%8F%E9%99%8D%E8%90%BD-%E6%9C%89%E4%BB%80%E4%B9%88%E7%8A%B6%E6%80%81%E5%8F%AF%E4%BB%A5%E5%88%A4%E6%96%AD%E5%90%97>

# 开启或关闭

Smart RTH method [setSmartReturnToHomeEnabled](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController.html?search=setsmartreturntohomeenabled&i=0&#djiflightcontroller_setsmartreturntohomeenabled_inline)

# 设置低电池警告

Method [setLowBatteryWarningThreshold](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController.html?search=setsmartreturntohomeenabled&i=0&#djiflightcontroller_setgohomebatterythreshold_inline)

|  |  |
| --- | --- |
| *Package:* | dji.sdk.flightcontroller |
| *SDK Key:* | [FlightControllerKey.LOW\_BATTERY\_WARNING\_THRESHOLD](https://developer.dji.com/api-reference/android-api/Components/KeyManager/DJIFlightControllerKey.html#flightcontrollerkey_low_battery_warning_threshold_key) |

# 设置严重低电池警告

Method [setSeriousLowBatteryWarningThreshold](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController.html?search=setsmartreturntohomeenabled&i=0&#djiflightcontroller_setlandimmediatelybatterythreshold_inline)

|  |  |
| --- | --- |
| *Package:* | dji.sdk.flightcontroller |
| *SDK Key:* | [FlightControllerKey.SERIOUS\_LOW\_BATTERY\_WARNING\_THRESHOLD](https://developer.dji.com/api-reference/android-api/Components/KeyManager/DJIFlightControllerKey.html#flightcontrollerkey_serious_low_battery_warning_threshold_key) |

# 监听低电池警告

Battery Warning Threshold method [isLowerThanBatteryWarningThreshold](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController_DJIFlightControllerCurrentState.html#djiflightcontroller_djiflightcontrollercurrentstate_islowerthanbatterywarningthreshold_inline)

给飞行控制器设置状态回调，通过FlightControllerState来监听。

# 监听电池严重低电量

Method [isLowerThanSeriousBatteryWarningThreshold](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController_DJIFlightControllerCurrentState.html#djiflightcontroller_djiflightcontrollercurrentstate_islowerthanseriousbatterywarningthreshold_inline)

给飞行控制器设置状态回调，通过FlightControllerState来监听。

给飞行控制器设置状态回调（被调用频率10次/秒）

Method [setStateCallback](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController.html#djiflightcontroller_setupdatesystemstatecallback_inline)

通过飞行控制器状态获取返航任务[GoHomeAssessment](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController_DJIFlightControllerCurrentState_DJIFlightControllerSmartGoHomeStatus.html#djiflightcontroller_djiflightcontrollercurrentstate_djiflightcontrollersmartgohomestatus)

Go Home Assessment method [getGoHomeAssessment](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController_DJIFlightControllerCurrentState.html#djiflightcontroller_djiflightcontrollercurrentstate_smartgohomestatus_inline)

通过返航任务[GoHomeAssessment](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController_DJIFlightControllerCurrentState_DJIFlightControllerSmartGoHomeStatus.html" \l "djiflightcontroller_djiflightcontrollercurrentstate_djiflightcontrollersmartgohomestatus)的函数 [getSmartRTHState](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController_DJIFlightControllerCurrentState_DJIFlightControllerSmartGoHomeStatus.html#djiflightcontroller_djiflightcontrollercurrentstate_djiflightcontrollersmartgohomestatus_smartrthstate_inline)获取智能返航状态

[SmartRTHState](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController.html#djiflightcontroller_djiflightcontrollersmartrthstate)

通过返航任务[GoHomeAssessment](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController_DJIFlightControllerCurrentState_DJIFlightControllerSmartGoHomeStatus.html" \l "djiflightcontroller_djiflightcontrollercurrentstate_djiflightcontrollersmartgohomestatus)的函数[getSmartRTHCountdown](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController_DJIFlightControllerCurrentState_DJIFlightControllerSmartGoHomeStatus.html" \l "djiflightcontroller_djiflightcontrollercurrentstate_djiflightcontrollersmartgohomestatus_smartrthcountdown_inline)获取智能返航倒计时。获取倒计时仅仅在[SmartRTHState](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController.html#djiflightcontroller_djiflightcontrollersmartrthstate)是[COUNTING\_DOWN](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController.html" \l "djiflightcontroller_djiflightcontrollersmartrthstate_countingdown)时有效。倒计时可能是10秒。

# 发起智能返航确认

在倒计时状态([COUNTING\_DOWN](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController.html#djiflightcontroller_djiflightcontrollersmartrthstate_countingdown)) 通过调用[confirmSmartReturnToHomeRequest](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController.html?search=setsmartreturntohomeenabled&i=0&#djiflightcontroller_confirmsmartreturntohomerequest_inline)函数，发起确认或者取消智能返航确认请求。在非倒计时状态状态下调用[confirmSmartReturnToHomeRequest](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController.html?search=setsmartreturntohomeenabled&i=0&#djiflightcontroller_confirmsmartreturntohomerequest_inline)函数会出错。firmware version lower than 3.0.0.0 does not support confirming the Smart RTH request。

# 获取返航状态

通过[getGoHomeExecutionState](https://developer.dji.com/api-reference/android-api/Components/FlightController/DJIFlightController_DJIFlightControllerCurrentState.html" \l "djiflightcontroller_djiflightcontrollercurrentstate_gohomeexecutionstatus_inline)获取返航的执行状态。

|  |  |
| --- | --- |
| *Package:* | dji.common.flightcontroller |
| *SDK Key:* | [FlightControllerKey.GO\_HOME\_STATUS](https://developer.dji.com/api-reference/android-api/Components/KeyManager/DJIFlightControllerKey.html#flightcontrollerkey_go_home_status_key) |

# 注意

1、智能返航需要在实地飞行测试，在模拟器中是不能测试这个功能的，因为模拟器中获取的状态值有问题，一直是 IDLE。

2、低于电压阈值后的动作也是可以自己设置

<https://sdk-forum.dji.net/hc/zh-cn/community/posts/4406352160921-%E8%AF%B7%E9%97%AE%E4%B8%8B%E4%B8%A5%E9%87%8D%E4%BD%8E%E7%94%B5%E9%87%8F%E5%92%8C%E4%BD%8E%E7%94%B5%E9%87%8F%E6%9C%89%E5%95%A5%E5%8C%BA%E5%88%AB-%E5%93%AA%E4%B8%AA%E6%98%AF%E5%BC%BA%E5%88%B6%E8%BF%94%E8%88%AA%E7%9A%84->

<https://developer.dji.com/api-reference/android-api/Components/Battery/DJIBattery.html>