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)

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| *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)

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| *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#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。

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| --- | --- |
| *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) |