Garmin Health SDK

*Android Version 2.2.0 Migration Guide*

The transition from 2.1.X to 2.2.X versions of the SDK necessitates a small change to the synced data API. Additionally, the API for managing Alerts on a Garmin tracker has been updated and expanded.

**Device Image Property**

Prior to version 2.2.0 of the Standard SDK, device reference images were provided in the SDK sample app for integrating partner to include in their applications. Starting with this version, an expanded set of these images are available as a Drawable property in SDK *Device* interface.

*@DrawableRes Device#image()*

**Removal of *WellnessDaySummary* from Sync Data APIs (Standard Only)**

Older version of the Standard SDK contained logic designed to divide sync results into sets of data recorded over a given ‘local day’. Over time this functionality became a significant source of bugs, and so it was rolled back and removed entirely from the iOS SDK. That Android SDK has maintained the following structure for *WellnessEpoch* objects:

*SyncData -> WellnessDaySummary -> List<WellnessEpoch> -> WellnessData*

Starting with this release, the *WellnessDaySummary* object will be removed and the structure will now be:

*SyncData -> List<WellnessEpoch> -> WellnessData*

*WellnessEpoch* objects will still contain an integer representation of the calculated date and time for a given data epoch, but this value is only provided as a convenience and should not be treated as infallible. The final source for time and date data should be the Unix Epoch timestamps provided with each WellnessEpoch. These values are guaranteed to be accurate and can be used to build sets of data representing a day in any given time zone.

***Please note: Future changes are coming to the SyncData structure to increase Android/iOS concordance. We apologize for inconvenience caused by these API changes, but believe they are necessary and a net improvement.***

**Update and Expansion of Alerts API (Standard Only)**

The Standard SDK has historically provided a number of *DeviceSettings* options related to alerts on Garmin devices. The most noticeable such alert is the *Move* alert that encourages end-users to increase their activity periodically throughout the day. We have provided options to disable/enable these alerts through methods such as *DeviceSettings#setMoveAlertEnabled* and *DeviceSettings#setAutoActivityDetect*.

Beginning with version 2.2.0 of the Standard SDK we have expanded the set of alerts that can be configured through the SDK to include the following values:

* MOVE
* SPO2\_DETECTION
* ABNORMAL\_HEART\_RATE
* PUSH\_NOTIFICATIONS
* GOAL\_NOTIFICATIONS
* STRESS\_LEVEL
* HOURLY\_CHIME
* HYDRATION
* ACTIVITY\_DETECTION

To determine what types of alerts a given device supports use the *DeviceSettingSchema* object provided by *DeviceSettings#schema*. Supported alert values are available under *DveiceSettingSchema#supportedAlerts.*

By default, all supported device alerts will be disabled when pairing with a new Garmin device. To enable a supported alert, set the *Collection* of alerts in the *DeviceSettings#Builder* and sync to update the values.

If you have any questions or concerns regarding the new SDK build, please contact Garmin Health SDK Support at [sdksupport@health.garmin.com](mailto:sdksupport@health.garmin.com)