

Android UX SDK 4.12 Release Notes

Release Date

2020.05.07

Highlights

- Support for Matrice 300 RTK.
- Chinese translations for the PreFlightChecklistPanel.
- Android minSdkVersion has been changed from API 16 to 19.
- Bug fixes.
- **Important notice about upcoming changes:** We will be releasing a new, open-source version of the UXSDK and deprecating the current closed source version this year. In addition, we will be releasing a new open source beta shortly after 4.12. The iOS UX SDK version 5 beta 2 will be open source and available in [iOS UX SDK Beta](#) and Android UX SDK version 5 beta 3 in [Android UX SDK Beta](#).

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.12: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.4 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Matrice 300 RTK * DJI Smart Controller * Matrice 200 V2 * Matrice 210 V2 * Matrice 210 RTK V2 * Phantom 4 RTK * Mavic 2 Enterprise Dual * Mavic 2 Enterprise * Mavic 2 Pro * Mavic 2 Zoom * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced, Phantom 4 Pro V2.0 * Matrice 600 & Matrice 600 Pro and RTK * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT, Zenmuse XT2

Supported Firmware

- Matrice 300 RTK: 01.00.0106 and D-RTK 2: 03.00.00.12
- DJI Smart Controller: 01.00.0650
- Matrice 200 Series V2 and D-RTK 2: 01.00.0590
- Phantom 4 RTK: 02.02.0312 and D-RTK 2: 02.02.0307
- Mavic 2 Enterprise Dual: 01.01.0640
- Mavic 2 Enterprise: 01.01.0640
- Mavic 2 Pro: 01.00.0510

- Mavic 2 Zoom: 01.00.0510
- Mavic Air: 01.00.0620
- Phantom 4 Pro V2.0: 01.00.22.00
- Zenmuse XT2: 01.00.03.50
- Spark: 01.00.1000
- Matrice 200 series: 01.02.0450
- Phantom 4 Advanced: 01.04.01.00
- Inspire 2: 01.02.0300
- Phantom 4 Pro: 01.05.0600
- Zenmuse Z30: 01.00.06.10
- Mavic Pro: 01.04.0500
- Matrice 600 Pro: 01.00.01.67
- Matrice 600 and RTK: 01.00.01.67
- Phantom 4: 02.00.0700
- Zenmuse XT: 01.31.00.60
- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 01.31.00.60

Bug Fixes:

- **PreFlight Checklist Panel fails to set max altitude under 120m:** Fixed.
- **Vision Widget sometimes crashes with a ConcurrentModificationException:** Fixed.

Known Issues

- **Radar Widget does not support Matrice 300 RTK.**
- **Return Home Widget does not work with Matrice 300 RTK.**
- **[OLD]Mobile SDK 4.7 and later versions are incompatible with x86 devices:** Since v4.7, Mobile SDK has included FFMpeg lib to provide the transcoded video feed, but FFMpeg x86 so files will lead to the runtime crash when the target API of APP is larger than 23(included).
- **[OLD]Inability to customize video and photo button behavior on Mavic 2 series RC:** The Mavic 2 series aircraft allows developers to customize the behavior of the photo and video buttons on the RC. The UX SDK does not currently give these buttons a default behavior. Using the buttons to take a picture or video using the RC while connected to UX SDK will not work by default. The developer must

assign a behavior for them to work.

- **[OLD]FPVOverlay only works with primary camera:** FPVOverlay will always work only with the primary camera on dual camera aircraft even when overlaid on the secondary camera view.
- **[OLD]Self-unlocking of fly zones may not work on HERE maps:** Self-unlocking fly zones on HERE maps may not work as expected.
- **[OLD]FPVWidget may not resize correctly:** When switching between different resolutions, the video feed may look stretched.

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Android UX SDK 4.11.1 Release Notes

Release Date

2019.11.19

Highlights

- Support for Android Mobile SDK v4.11.1
- Bug fixes.
- **Important notice about upcoming changes:** We will be releasing a new, open-source version of the UXSDK and deprecating the current closed source version next year. In addition, the UX SDK version 5 beta 1.1 is currently open source and available for [iOS](#) and UX SDK version 5 beta 2 for [Android](#).

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.11.1: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * DJI Smart Controller * Matrice 200 V2 * Matrice 210 V2 * Matrice 210 RTK V2 * Phantom 4 RTK * Mavic 2 Enterprise Dual * Mavic 2 Enterprise * Mavic 2 Pro * Mavic 2 Zoom * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced, Phantom 4 Pro V2.0 * Matrice 600 & Matrice 600 Pro and RTK * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT, Zenmuse XT2

Supported Firmware

- DJI Smart Controller: 01.00.0530
- Matrice 200 Series V2 and D-RTK 2: 01.00.04.50
- Phantom 4 RTK and D-RTK 2: 02.01.00.09
- Mavic 2 Enterprise Dual: 01.00.0000
- Mavic 2 Enterprise: 01.00.0000
- Mavic 2 Pro: 01.00.04.00
- Mavic 2 Zoom: 01.00.04.00
- Mavic Air: 01.00.0620

- Phantom 4 Pro V2.0: 01.00.22.00
- Zenmuse XT2: 1.0.0.6
- Spark: 01.00.1000
- Matrice 200 series: 01.02.0301
- Phantom 4 Advanced: 01.04.01.00
- Inspire 2: 01.02.0300
- Phantom 4 Pro: 01.05.0600
- Zenmuse Z30: 01.00.01.20
- Mavic Pro: 01.04.0500
- Matrice 600 Pro: 01.00.01.67
- Matrice 600 and RTK: 01.00.01.67
- Phantom 4: 02.00.0700
- Zenmuse XT: 01.31.00.60
- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.82

Bug Fixes:

- **CameraCaptureWidget stops recording video when it is removed from the parent view:** Fixed.

Known Issues

- **Incompatibility of Mobile SDK since 4.7 with x86 devices:** On x86 devices that run Android API 23 or above, if the application is targeted with API 23 or above, FFmpeg lib might lead to runtime crashes or warnings.
- **Inability to customize video and photo button behavior on Mavic 2 series RC:** The Mavic 2 series aircraft allows developers to customize the behavior of the photo and video buttons on the RC. The UX SDK does not currently give these buttons a default behavior. Using the buttons to take a picture or video using the RC while connected to UX SDK will not work by default. The developer must assign a behavior for them to work.
- **FPVOverlay only works with primary camera:** FPVOverlay will always work only with the primary camera on dual camera aircraft even when overlaid on the secondary camera view.
- **Self-unlocking of fly zones may not work on HERE maps:** Self-unlocking fly zones on HERE maps may not work as expected.
- **FPVWidget may not resize correctly:** When switching between different resolutions, the video feed may look stretched.



Android UX SDK 4.11.2 Release Notes

Release Date

2020.03.20

Highlights

- Support for Android Mobile SDK v4.11.2
- Android Q support.
- Bug fixes.
- **Important notice about upcoming changes:** We will be releasing a new, open-source version of the UXSDK and deprecating the current closed source version later this year. In addition, the UX SDK version 5 beta 1.1 is currently open source and available for [iOS](#) and UX SDK version 5 beta 2 for [Android](#).

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.11.2: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * DJI Smart Controller * Matrice 200 V2 * Matrice 210 V2 * Matrice 210 RTK V2 * Phantom 4 RTK * Mavic 2 Enterprise Dual * Mavic 2 Enterprise * Mavic 2 Pro * Mavic 2 Zoom * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced, Phantom 4 Pro V2.0 * Matrice 600 & Matrice 600 Pro and RTK * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT, Zenmuse XT2

Supported Firmware

- DJI Smart Controller: 01.00.0530
- Matrice 200 Series V2 and D-RTK 2: 01.00.04.50
- Phantom 4 RTK and D-RTK 2: 02.01.00.09
- Mavic 2 Enterprise Dual: 01.01.0640
- Mavic 2 Enterprise: 01.01.0640
- Mavic 2 Pro: 01.00.04.00
- Mavic 2 Zoom: 01.00.04.00
- Mavic Air: 01.00.0620

- Phantom 4 Pro V2.0: 01.00.22.00
- Zenmuse XT2: 1.0.0.6
- Spark: 01.00.1000
- Matrice 200 series: 01.02.0450
- Phantom 4 Advanced: 01.04.01.00
- Inspire 2: 01.02.0300
- Phantom 4 Pro: 01.05.0600
- Zenmuse Z30: 01.00.01.20
- Mavic Pro: 01.04.0500
- Matrice 600 Pro: 01.00.01.67
- Matrice 600 and RTK: 01.00.01.67
- Phantom 4: 02.00.0700
- Zenmuse XT: 01.31.00.60
- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.82

Bug Fixes:

- **PreFlightCheckListPanel** crashes when the SDK is not yet registered: Fixed.
- **FPVWidget** cannot be added into a **ConstraintLayout**: Fixed

Known Issues

- **[OLD]Incompatibility of Mobile SDK since 4.7 with x86 devices:** On x86 devices that run Android API 23 or above, if the application is targeted with API 23 or above, FFmpeg lib might lead to runtime crashes or warnings.
- **[OLD]Inability to customize video and photo button behavior on Mavic 2 series RC:** The Mavic 2 series aircraft allows developers to customize the behavior of the photo and video buttons on the RC. The UX SDK does not currently give these buttons a default behavior. Using the buttons to take a picture or video using the RC while connected to UX SDK will not work by default. The developer must assign a behavior for them to work.
- **[OLD]FPVOverlay only works with primary camera:** FPVOverlay will always work only with the primary camera on dual camera aircraft even when overlaid on the secondary camera view.
- **[OLD]Self-unlocking of fly zones may not work on HERE maps:** Self-unlocking fly zones on HERE maps may not work as expected.
- **[OLD]FPVWidget may not resize correctly:** When switching between different resolutions, the video feed may look stretched.

- **FPV widget may not resize correctly:** In 3:2 and 4:3 aspect ratios when removing and adding the widget during resizing.

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Android UX SDK 4.11 Release Notes

Release Date

2019.9.23

Highlights

- Support for Android Mobile SDK v4.11
- Added AndroidX support.
- **Important notice about upcoming changes:** We will be releasing a new, open-source version of the UXSDK and deprecating the current closed source version later this year. In addition, the UX SDK version 5 beta 1 is currently open source and available for both [iOS](#) and [Android](#).

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.11: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * DJI Smart Controller * Matrice 200 V2 * Matrice 210 V2 * Matrice 210 RTK V2 * Phantom 4 RTK * Mavic 2 Enterprise Dual * Mavic 2 Enterprise * Mavic 2 Pro * Mavic 2 Zoom * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced, Phantom 4 Pro V2.0 * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT, Zenmuse XT2

Supported Firmware

- DJI Smart Controller: 01.00.0530
- Matrice 200 Series V2 and D-RTK 2: 01.00.04.50
- Phantom 4 RTK and D-RTK 2: 02.01.00.09
- Mavic 2 Enterprise Dual: 01.00.0000

- Mavic 2 Enterprise: 01.00.0000
- Mavic 2 Pro: 01.00.04.00
- Mavic 2 Zoom: 01.00.04.00
- Mavic Air: 01.00.0620
- Phantom 4 Pro V2.0: 01.00.22.00
- Zenmuse XT2: 1.0.0.6
- Spark: 01.00.1000
- Matrice 200 series: 01.02.0301
- Phantom 4 Advanced: 01.04.01.00
- Inspire 2: 01.02.0300
- Phantom 4 Pro: 01.05.0600
- Zenmuse Z30: 01.00.01.20
- N3: 1.7.6.0
- Mavic Pro: 01.04.0500
- Matrice 600 Pro: 01.00.01.67
- Matrice 600, RTK and Ronin MX: 01.00.01.67
- Phantom 4: 02.00.0700
- Zenmuse XT: 01.31.00.60
- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.82
- Lightbridge 2: 1.1.70
- A3: 1.7.7.0

Known Issues

- **Incompatibility of Mobile SDK since 4.7 with x86 devices:** On x86 devices that run Android API 23 or above, if the application is targeted with API 23 or above, FFmpeg lib might lead to runtime crashes or warnings.
- **Inability to customize video and photo button behavior on Mavic 2 series RC:** The Mavic 2 series aircraft allows developers to customize the behavior of the photo and video buttons on the RC. The UX SDK does not currently give these buttons a default behavior. Using the buttons to take a picture or video using the RC while connected to UX SDK will not work by default. The developer must assign a behavior for them to work.
- **FPVOverlay only works with primary camera:** FPVOverlay will always work only with the primary camera on dual camera aircraft even when overlaid on the secondary camera view.
- **Self-unlocking of fly zones may not work on HERE maps:** Self-unlocking fly zones on HERE maps may not work as expected.

- **FPVWidget may not resize correctly:** When switching between different resolutions, the video feed may look stretched.

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Android UX SDK 4.10 Release Notes

Release Date

2019.05.14

Highlights

- Mapbox support added
- Support for Android Mobile SDK v4.10
- **Important notice about upcoming changes:** We're going to be releasing a new, open-source version of the UXSDK and deprecating this closed source version later this year.

Other Changes

- Marker dragging support added to all maps.
- Head LED auto turn off added to camera settings for supported aircraft (Mavic series and Phantom series after P4).
- Travel mode button added to the preflight checklist for supported aircraft (Inspire series).

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.10: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * DJI Smart Controller * Matrice 200 Series V2 * Phantom 4 RTK * Mavic 2 Enterprise Dual * Mavic 2 Enterprise * Mavic 2 Pro * Mavic 2 Zoom * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced, Phantom 4 Pro V2.0 * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT, Zenmuse XT2

Supported Firmware

- DJI Smart Controller: 01.00.0530
- Matrice 200 Series V2 and D-RTK 2: 01.00.04.50
- Phantom 4 RTK and D-RTK 2: 02.01.00.09
- Mavic 2 Enterprise Dual: 01.00.0000
- Mavic 2 Enterprise: 01.00.0000
- Mavic 2 Pro: 01.00.04.00

- Mavic 2 Zoom: 01.00.04.00
- Mavic Air: 01.00.0620
- Phantom 4 Pro V2.0: 01.00.22.00
- Zenmuse XT2: 1.0.0.6
- Spark: 01.00.1000
- Matrice 200 series: 01.02.0301
- Phantom 4 Advanced: 01.04.01.00
- Inspire 2: 01.02.0300
- Phantom 4 Pro: 01.05.0600
- Zenmuse Z30: 01.00.01.20
- N3: 1.7.6.0
- Mavic Pro: 01.04.0500
- Matrice 600 Pro: 01.00.01.67
- Matrice 600, RTK and Ronin MX: 01.00.01.67
- Phantom 4: 02.00.0700
- Zenmuse XT: 01.31.00.60
- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.82
- Lightbridge 2: 1.1.70
- A3: 1.7.7.0

Known Issues

- **Incompatibility of Mobile SDK since 4.7 with x86 devices:** On x86 devices that run Android API 23 or above, if the application is targeted with API 23 or above, FFmpeg lib might lead to runtime crashes or warnings.
- **Inability to customize video and photo button behavior on Mavic 2 series RC:** Mavic 2 series aircraft allow developers to customize the behavior of photo and video buttons on the RC. Because the UX SDK does not currently give these buttons a default behavior, the user needs to assign behaviors to them before using.
- **FPVOverlay only works with primary camera:** FPVOverlay will always work only with the primary camera on dual camera aircraft even when overlaid on the secondary camera view.
- **Self-unlocking of fly zones may not work on HERE maps:** Self-unlocking fly zones on HERE maps may not work as expected.

Android UX SDK 4.9 Release Notes

Release Date

2019.01.28

Highlights

- Support for Android Mobile SDK v4.9

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.9: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Phantom 4 RTK * Mavic 2 Enterprise Dual * Mavic 2 Enterprise * Mavic 2 Pro * Mavic 2 Zoom * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced, Phantom 4 Pro V2.0 * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT, Zenmuse XT2

Supported Firmware

- Phantom 4 RTK: 01.07.0116
- D-RTK 2: 01.07.0116
- Mavic 2 Enterprise Dual: 01.00.0000
- Mavic 2 Enterprise: 01.00.0000
- Mavic 2 Pro: 01.00.0200
- Mavic 2 Zoom: 01.00.0200
- Mavic Air: 01.00.0500
- Phantom 4 Pro V2.0: 01.00.2200

- Zenmuse XT2: 1.0.0.6
- Spark: 01.00.1000
- Matrice 200 series: 01.02.0301
- Phantom 4 Advanced: 01.00.0128
- Inspire 2: 01.02.0301
- Phantom 4 Pro: 01.05.0600
- Z30: 1.0.0.47
- N3: 1.7.6.0
- Mavic Pro: 01.04.0500
- Matrice 600 Pro: 1.0.1.66
- Matrice 600, RTK and Ronin MX: 1.0.1.66
- Phantom 4: 02.00.0700
- Zenmuse XT: 1.31.0.00
- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.82
- Lightbridge 2: 1.1.70
- A3: 1.7.7.0

Known Issues

- **Incompatibility of Mobile SDK since 4.7 with x86 devices:** On x86 devices that run Android API 23 or above, if the application is targeted with API 23 or above, FFmpeg lib might lead to runtime crashes or warnings.
- **Inability to customize video and photo button behavior on Mavic 2 series RC:** Mavic 2 series aircraft allow developers to customize the behavior of photo and video buttons on the RC. Because the UX SDK does not currently give these buttons a default behavior, the user needs to assign behaviors to them before using.
- **FPVOverlay only works with primary camera:** FPVOverlay will always work only with the primary camera on dual camera aircraft even when overlaid on the secondary camera view.

Android UX SDK 4.8.1 Release Notes

Release Date

2018.11.16

Highlights

- Support for Android Mobile SDK v4.8.1

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.8.1: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Mavic 2 Enterprise * Mavic 2 Pro * Mavic 2 Zoom * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced, Phantom 4 Pro V2.0 * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT, Zenmuse XT2

Supported Firmware

- Mavic 2 Enterprise: 00.01.0300
- Mavic 2 Pro: 01.00.0100
- Mavic 2 Zoom: 01.00.0100
- Mavic Air: 01.00.0500
- Phantom 4 Pro V2.0: 01.00.2200
- Zenmuse XT2: 1.0.0.6
- Spark: 01.00.1000
- Matrice 200 series: 01.01.0913
- Phantom 4 Advanced: 01.00.0128
- Inspire 2: 01.02.0200

- Phantom 4 Pro: 01.05.0600
- Z30: 1.0.0.47
- N3: 1.7.1.5
- Mavic Pro: 01.04.0500
- Matrice 600 Pro: 1.0.1.66
- Matrice 600, RTK and Ronin MX: 1.0.1.65
- Phantom 4: 02.00.0700
- Zenmuse XT: 1.31.0.00
- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.60
- A3: 1.7.1.5

Known Issues

- **Incompatibility of Mobile SDK 4.8.X with x86 devices:** On x86 devices that run Android API 23 or above, if the application is targeted with API 23 or above, FFmpeg lib might lead to runtime crashes or warnings.
- **Inability to customize video and photo button behavior on Mavic 2 series RC:** Mavic 2 series aircraft allow developers to customize the behavior of photo and video buttons on the RC. Because the UX SDK does not currently give these buttons a default behavior, the user needs to assign behaviors to them before using.
- **FPVOverlay only works with primary camera:** FPVOverlay will always work only with the primary camera on dual camera aircrafts even when overlaid on the secondary camera view.

Android UX SDK 4.8 Release Notes

Release Date

2018.10.29

Highlights

- Addition of widgets and panels supporting Mavic 2 Enterprise features and accessories including Access Locker, Speaker, Spotlight and Beacon

Other Changes

- Addition of grid overlays of various types for the video feeds
- Addition of internal storage support in all widgets for aircraft that support it.
- Addition of maximum altitude limitation and maximum flight distance limitation to the preflight checklist
- Addition of video compression standard in camera settings for aircraft that support it.
- Addition of portrait mode for aircraft that support it (Mavic Pro)
- Addition of VPS (visual positioning system) widget to the camera dashboard
- Addition of new photo modes supported by the Mavic 2 series

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.8: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Mavic 2 Enterprise * Mavic 2 Pro * Mavic 2 Zoom * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced, Phantom 4 Pro V2.0 * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT, Zenmuse XT2

Supported Firmware

- Mavic 2 Enterprise: 00.01.0300
- Mavic 2 Pro: 01.00.0100
- Mavic 2 Zoom: 01.00.0100
- Mavic Air: 01.00.0500
- Phantom 4 Pro V2.0: 01.00.2200
- Zenmuse XT2: 1.0.0.6
- Spark: 01.00.1000
- Matrice 200 series: 01.01.0913
- Phantom 4 Advanced: 01.00.0128
- Inspire 2: 01.02.0200

- Phantom 4 Pro: 01.05.0600
- Z30: 1.0.0.47
- N3: 1.7.1.5
- Mavic Pro: 01.04.0500
- Matrice 600 Pro: 1.0.1.66
- Matrice 600, RTK and Ronin MX: 1.0.1.65
- Phantom 4: 02.00.0700
- Zenmuse XT: 1.31.0.00
- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.60
- A3: 1.7.1.5

Bug Fixes

Known Issues

- **Incompatibility of Mobile SDK 4.8 with x86 devices:** On x86 devices that run Android API 23 or above, if the application is targeted with API 23 or above, FFmpeg lib might lead to runtime crashes or warnings.
- **Inability to customize video and photo button behavior on Mavic 2 series RC:** Mavic 2 series aircraft allow developers to customize the behavior of photo and video buttons on the RC. Because the UX SDK does not currently give these buttons a default behavior, the user needs to assign behaviors to them before using.
- **FPVOverlay only works with primary camera:** FPVOverlay will always work only with the primary camera on dual camera aircrafts even when overlaid on the secondary camera view.

Android UX SDK 4.7.1 Release Notes

Release Date

2018.09.04

Highlights

- Support for Android Mobile SDK v4.7.1

Other Changes

-The Mavic 2 Pro and Mavic 2 Zoom's distortion calibration feature requires additional resource files, increasing the size of the Mobile SDK package. If your app doesn't support these aircraft you can exclude these resource files with a one line gradle configuration. Please see the sample demo for details.

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.7: download at <https://developer.dji.com/mobile-sdk/downloads/>.
- Mavic 2 Enterprise Dual support
- P4R support

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT

Supported Firmware

- Mavic Air: 01.00.0300
- Spark: 01.00.0900
- Matrice 200 series: 01.01.0600
- Phantom 4 Advanced: 01.00.0128
- Inspire 2: 01.01.0300
- Phantom 4 Pro: 01.05.0600
- Z30: 1.0.0.47
- N3: 1.7.1.5
- Mavic Pro: 01.04.0300
- Matrice 600 Pro: 1.0.1.65
- Matrice 600, RTK and Ronin MX: 1.0.1.65
- Phantom 4: 02.00.0700
- Zenmuse XT: 1.31.0.00

- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.60
- A3: 1.7.1.5

Known Issues :

- **Incompatibility of Mobile SDK 4.7 with x86 devices:** On x86 devices that run Android API 23 or above, if the application is targeted with API 23 or above, FFmpeg lib might lead to runtime crashes or warnings.

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Android UX SDK 4.7 Release Notes

Release Date

2018.8.23

Highlights

- Support for Android Mobile SDK v4.7
- FlySafe features such as self-unlock and custom unlock have been added to MapWidget. User can also customize the color of each flyzone type.
- MapWidget now has login state.
- Preflight Checklist now exposes remaining SD card error and slow SD card error.
- User can now enable/disable FPV items such as Grids, Histogram, Radar, and ColorWaveform.
- Bug fixes

Other Changes

-The Mavic 2 Pro and Mavic 2 Zoom's distortion calibration feature requires additional resource files, increasing the size of the Mobile SDK package. If your app doesn't support these aircraft you can exclude these resource files with a one line gradle configuration. Please see the sample demo for details.

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.7: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT

Supported Firmware

- Mavic Air: 01.00.0300
- Spark: 01.00.0900
- Matrice 200 series: 01.01.0600
- Phantom 4 Advanced: 01.00.0128
- Inspire 2: 01.01.0300
- Phantom 4 Pro: 01.05.0600
- Z30: 1.0.0.47
- N3: 1.7.1.5
- Mavic Pro: 01.04.0300
- Matrice 600 Pro: 1.0.1.65
- Matrice 600, RTK and Ronin MX: 1.0.1.65
- Phantom 4: 02.00.0700
- Zenmuse XT: 1.31.0.00

- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.60
- A3: 1.7.1.5

Known Issues :

- **Incompatibility of Mobile SDK 4.7 with x86 devices:** On x86 devices that run Android API 23 or above, if the application is targeted with API 23 or above, FFmpeg lib might lead to runtime crashes or warnings.

Android UX SDK 4.6 Release Notes

Release Date

2018.6.29

Highlights

- Support for Android Mobile SDK v4.6
- Bug fixes

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.6: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT

Supported Firmware

- Mavic Air: 01.00.0300
- Spark: 01.00.0900
- Matrice 200 series: 01.01.0600
- Phantom 4 Advanced: 01.00.0128
- Inspire 2: 01.01.0300
- Phantom 4 Pro: 01.05.0600
- Z30: 1.0.0.47
- N3: 1.7.1.5
- Mavic Pro: 01.04.0300
- Matrice 600 Pro: 1.0.1.65
- Matrice 600, RTK and Ronin MX: 1.0.1.65
- Phantom 4: 02.00.0700
- Zenmuse XT: 1.31.0.00

- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.60
- A3: 1.7.1.5

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Android UX SDK 4.5.1 Release Notes

Release Date

2018.5.1

Highlights

- Support for Android Mobile SDK v4.5.1
- Bug fixes

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.5.1: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Osmo, Osmo Pro, Osmo RAW & Osmo+ * Osmo Mobile * Osmo Mobile 2 * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT

Supported Firmware

- Mavic Air: 01.00.0300
- Osmo Mobile 2: 2.1.0.20
- Spark: 01.00.0900
- Matrice 200 series: 01.01.0600
- Phantom 4 Advanced: 01.00.0128
- Inspire 2: 01.01.0300
- Phantom 4 Pro: 01.05.0600
- Z30: 1.0.0.47
- N3: 1.7.1.5
- Mavic Pro: 01.04.0300

- Matrice 600 Pro: 1.0.1.65
- Matrice 600, RTK and Ronin MX: 1.0.1.65
- Phantom 4: 02.00.0700
- Zenmuse XT: 1.31.0.00
- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Osmo: 1.11.2.70
- Osmo Pro/RAW: 1.4.0.70
- Osmo+: 1.6.1.00
- Osmo Mobile: 1.6.0.80
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.60
- A3: 1.7.1.5

Bug Fixes

- **MapWidget crash:** Fixed crashes related to MapWidget initialization.
- **MapWidget and GoogleMaps:** Fixed bug where GoogleMaps behavior with showDirectionToHome was unstable.

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Android UX SDK 4.5 Release Notes

Release Date

2018.4.4

Highlights

- Name change: UI Library has been renamed "UX SDK".
- Full support of X7 camera, which includes the following:
 - SSD support
 - Exposure Index (EI)
 - Dewarping
 - Dedusting
- Color Waveform for both X7 and X5S cameras
- Map widget that currently supports:
 - Amaps
 - Google Maps
- Bug fixes

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.5: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UX SDK is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Mavic Air * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Osmo, Osmo Pro, Osmo RAW & Osmo+ * Osmo Mobile * Osmo Mobile 2 * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT

Supported Firmware

- Mavic Air: 01.00.0300
- Osmo Mobile 2: 2.1.0.20
- Spark: 01.00.0900
- Matrice 200 series: 01.01.0600
- Phantom 4 Advanced: 01.00.0128
- Inspire 2: 01.01.0300
- Phantom 4 Pro: 01.05.0600
- Z30: 1.0.0.47
- N3: 1.7.1.5
- Mavic Pro: 01.04.0300

- Matrice 600 Pro: 1.0.1.65
- Matrice 600, RTK and Ronin MX: 1.0.1.65
- Phantom 4: 02.00.0700
- Zenmuse XT: 1.31.0.00
- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Osmo: 1.11.2.70
- Osmo Pro/RAW: 1.4.0.70
- Osmo+: 1.6.1.00
- Osmo Mobile: 1.6.0.80
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.60
- A3: 1.7.1.5

Bug Fixes

- **Mavic:** Fixed issue where HD signal status widget was always empty on Mavic.
- **Phantom 4 Pro & Mavic:** Resetting camera gave false-negative time-out. Fixed.

Known Issues

- **MapWidget and GoogleMaps:** GoogleMaps behavior with showDirectionToHome is not stable.

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Android UI Library 4.4 Release Notes

Release Date

2017.12.22

Highlights

- Histogram
- Gimbal control through FPV long press
- Collision detection widgets
- Optional grid mode as FPV overlay
- Bug fixes
- **SDK Integration:** Some of SDK classes now need to be loaded before using. Loading process is done by `Helper.install()`. Developer needs to call this method before using any SDK functionality. Failing to do so will result in unexpected crashes. UILib sample has add this to reflect the new requirement. Please refer to the sample app for more detail.

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.4: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UI Library is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Osmo, Osmo Pro, Osmo RAW & Osmo+ * Osmo Mobile * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder * Cendence
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S, X7 * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT

Supported Firmware

- Spark: 01.00.0701
- Matrice 200 series: 01.01.0412
- Phantom 4 Advanced: 01.00.0128
- Inspire 2: 01.01.0200
- Phantom 4 Pro: 01.04.0602
- Z30: 1.0.0.43
- N3: 1.7.1.5
- Mavic Pro: 01.04.0100
- Matrice 600 Pro: 1.0.1.65
- Matrice 600, RTK and Ronin MX: 1.0.1.65
- Phantom 4: 02.00.0106
- Zenmuse XT: 1.24.0.10

- Zenmuse Z3: 1.11.01.50
- Inspire 1 series: 1.11.01.50
- Osmo: 1.11.2.70
- Osmo Pro/RAW: 1.3.0.40
- Osmo+: 1.6.1.00
- Osmo Mobile: 1.6.0.80
- Phantom 3 Professional & Advanced: 1.11.20
- Phantom 3 Standard: 1.9.20
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.60
- A3: 1.7.1.5

Bug Fixes

- **Inspire 2 flight time remaining read 00:00:** This has been fixed.

Known Issues

- **Mavic Pro:** HD signal status widget is empty.
- **Phantom 4 Pro & Mavic Pro:** Resetting camera gives false-negative time-out, camera **does** reset.

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Android UI Library 4.3.2 Release Notes

Release Date

2017.10.09

Highlights

- Compatibility with Android SDK v4.3.2.

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.3.2: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UI Library is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Osmo, Osmo Pro, Osmo RAW & Osmo+ * Osmo Mobile * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT

Supported Firmware

- Spark: 01.00.0600
- Matrice 200: 01.0.0100
- Phantom 4 Advanced: 01.00.0128
- Inspire 2: 01.01.0010
- Phantom 4 Pro: 01.04.0602
- Z30: 1.0.0.43
- N3: 1.7.1.5
- Mavic Pro: 01.03.1000
- Matrice 600 Pro: 1.0.1.60
- Matrice 600, RTK and Ronin MX: 1.0.1.60 Phantom 4: 02.00.0106
- Zenmuse XT: 1.30.0.10
- Zenmuse Z3: 1.11.1.50
- Inspire 1: 1.10.1.50

- Inspire 1 Pro (X5 camera): 1.10.1.50
- Inspire 1 RAW (X5R camera): 1.10.1.50 Osmo: 1.11.2.70
- Osmo Pro (X5 camera): 1.4.0.70
- Osmo RAW (X5R camera): 1.4.0.70
- Osmo+: 1.6.1.00
- Osmo Mobile: 1.6.0.80
- Phantom 3 Professional & Advanced: 1.11.20 Phantom 3 Standard: 01.09.0200
- Phantom 3 4K: 1.6.50
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.60
- A3: 1.7.1.5

Bug Fixes

- Improved widget scaling.

Known Issues

- **Mavic:** HD signal status widget is empty.
- **Phantom 4 Pro & Mavic:** Resetting camera gives false-negative time-out; camera **does** reset.
- **"UNKNOWN" ISO and EV in DLog color mode:** When in DLog color mode ISO and EV will read "UNKNOWN" in the camera config info status widget.
- **Inspire 2 flight time remaining reads 00:00.**

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Android UI Library 4.3 Release Notes

Release Date

2017.09.17

Highlights

- Picture-in-picture (PiP) which provides secondary FPV
- Center exposure handling
- Preflight checklist improvements, such as being able to reorder checklist items
- Z30 support
- Ability to independently toggle on/off battery icon, voltage, and percentage

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.3: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UI Libraries is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Spark * Matrice 210 * Matrice 210RTK * Matrice 200 * Inspire 2 * Mavic Pro * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Osmo, Osmo Pro, Osmo RAW & Osmo+ * Osmo Mobile * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S * Spark Camera * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT

Supported Firmware

- Spark: 01.00.0400
- Matrice 200: 01.00.00.0000
- Phantom 4 Advanced: 01.00.0128
- Inspire 2: 1.0.0330
- Phantom 4 Pro: 01.04.0602
- Z30: 1.0.0.37
- N3: 1.7.0.0
- Mavic Pro: 01.03.0900
- Matrice 600 Pro: 1.0.1.20
- Matrice 600, RTK and Ronin MX: 1.0.1.20
- Phantom 4: 1.2.602
- Zenmuse XT: 1.24.0.10
- Zenmuse Z3: 1.10.1.40

- Inspire 1: 1.10.1.40
- Inspire 1 Pro (X5 camera): 1.10.1.40
- Inspire 1 RAW (X5R camera): 1.10.1.40
- Osmo: 1.10.2.60
- Osmo Pro (X5 camera): 1.3.0.40
- Osmo RAW (X5R camera): 1.3.0.40
- Osmo+: 1.5.0.90
- Osmo Mobile: 1.6.0.80
- Phantom 3 Professional & Advanced: 1.10.90
- Phantom 3 Standard: 1.8.10
- Phantom 3 4K: 1.5.40
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.60
- A3: 1.7.0.0

Bug Fixes

- Improved widget scaling.

Known Issues

- **Mavic:** HD signal status widget is empty.
- **Phantom 4 Pro & Mavic:** Resetting camera gives false-negative time-out; camera **does** reset.
- **"UNKNOWN" ISO and EV in DLog color mode:** When in DLog color mode ISO and EV will read "UNKNOWN" in the camera config info status widget.
- **Inspire 2 flight time remaining reads 00:00.**

Android UI Library 4.2.1 Release Notes

Release Date

2017.07.04

Highlights

- Compatibility with Mobile SDK 4.2.1
- Support for DJI Spark
- Preflight checklist improvements
- Added manual focus widget, whereby use can click on FPV to focus on that spot
- Minor bug fixes

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.2.1: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UI Libraries is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Spark * Inspire 2 * Mavic Pro * Phantom 4 & Phantom 4 Pro * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT

Supported Firmware

- Spark: 1.00.0400
- Inspire 2: 1.0.0330
- Phantom 4 Pro: 1.3.509
- Z30: 1.0.0.20
- N3: 1.7.0.0
- Mavic Pro: 1.3.6
- Matrice 600 Pro: 1.0.0.80
- Matrice 600, RTK and Ronin MX: 1.0.0.80
- Phantom 4: 1.2.602
- Zenmuse XT: 1.24.0.10
- Zenmuse Z3: 1.10.1.40
- Inspire 1: 1.10.1.40
- Inspire 1 Pro (X5 camera): 1.10.1.40
- Inspire 1 RAW (X5R camera): 1.10.1.40
- Phantom 3 Professional & Advanced: 1.10.90
- Phantom 3 Standard: 1.8.10
- Phantom 3 4K: 1.5.40
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.50

- A3: 1.7.0.0

Known Issues

- **Mavic:** HD signal status widget is empty.
- **Phantom 4 Pro & Mavic:** Resetting camera gives false-negative time-out; camera **does** reset.
- **Camera settings on some aircraft:** Color filters have literal string names, instead of descriptive names, e.g.: "Film B" instead of "Blockbuster".

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Android UI Library 4.1.1 Release Notes

Release Date

2017.06.06

Highlights

- Compatibility with Android Mobile SDK 4.1.1
- Minor bug fixes

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.1.1: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UI Libraries is compatible with Android 4.2 and above.

Supported Products

Products	<ul style="list-style-type: none"> * Matrice 200 * Inspire 2 * Mavic Pro * Phantom 4, Phantom 4 Pro & Phantom 4 Advanced * Matrice 600 & Matrice 600 Pro, RTK and Ronin MX * Phantom 3 Standard, Advanced, 4K & Professional * Inspire 1, Inspire 1 Pro & Inspire 1 RAW * Matrice 100 with X3, X5 & X5R * Osmo, Osmo Pro, Osmo RAW & Osmo+ * Osmo Mobile * Lightbridge 2 with A2 * Lightbridge 2 with standalone A3 or N3 * Focus * N1 Video Encoder
Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT

Supported Firmware

- Matrice 200: upcoming
- Phantom 4 Advanced: 2.1.0.0
- Inspire 2: 1.0.0330
- Phantom 4 Pro: 1.3.0509
- Z30: 1.0.0.20
- N3: 1.7.0.0
- Mavic Pro: 1.3.7
- Matrice 600 Pro: 1.0.1.20
- Matrice 600, RTK and Ronin MX: 1.0.1.20
- Phantom 4: 1.2.602
- Zenmuse XT: 1.24.0.10
- Zenmuse Z3: 1.10.1.40
- Inspire 1: 1.10.1.40
- Inspire 1 Pro (X5 camera): 1.10.1.40
- Inspire 1 RAW (X5R camera): 1.10.1.40
- Osmo: 1.8.2.40
- Osmo Pro (X5 camera): 1.3.0.40

- Osmo RAW (X5R camera): 1.3.0.40
- Osmo+: 1.5.0.90
- Osmo Mobile: 1.5.0.70
- Phantom 3 Professional & Advanced: 1.10.90
- Phantom 3 Standard: 1.8.10
- Phantom 3 4K: 1.5.40
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.60
- A3: 1.7.0.0

Known Issues

- **UI Library is currently incompatible with the Osmo products on Android.**
- **Mavic:** HD signal status widget is empty.
- **Sometimes Preflight Checklist values are stale:** Stale values are refreshed when aircraft pushes new data.
- **Phantom 4 Pro & Mavic:** Resetting camera gives false-negative time-out; camera **does** reset.
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Android UI Library 4.0.1.1.0.0 Release Notes

Release Date

2017.04.18

Highlights

- UI widgets for aircraft state seen typically on an FPV screen (e.g. Battery icon)
- UI widgets for some automated controls (e.g. auto take-off)
- UI panels for camera settings (exposure and others)
- A preflight checklist panel
- Elements with assets and logic tied to the SDK
- Elements which are more responsive to settings changes than in the public beta

Included in this Release

- UI Library
- A sample app showing how to use the UI Library in its default implementation, and how to customize widgets
- Documentation introducing UI Libraries

Supported Android Mobile SDK

- DJI Android Mobile SDK v4.0.1: download at <https://developer.dji.com/mobile-sdk/downloads/>.

Android Compatibility

UI Libraries is compatible with Android 4.2 and above.

Supported Products

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Cameras	<ul style="list-style-type: none"> * Zenmuse X3, X5, X5R, Z3, Z30, X4S, X5S * Phantom 4 Pro Camera * Mavic Pro Camera * Phantom 4 Camera * Phantom 3 Cameras * Zenmuse XT

Supported Firmware

- Inspire 2: 1.0.0330
- Phantom 4 Pro: 1.3.509
- Z30: 1.0.0.20
- N3: 1.7.0.0
- Mavic Pro: 1.3.6
- Matrice 600 Pro: 1.0.0.80
- Matrice 600, RTK and Ronin MX: 1.0.0.80
- Phantom 4: 1.2.602
- Zenmuse XT: 1.24.0.10
- Zenmuse Z3: 1.10.1.40
- Inspire 1: 1.10.1.40
- Inspire 1 Pro (X5 camera): 1.10.1.40
- Inspire 1 RAW (X5R camera): 1.10.1.40
- Phantom 3 Professional & Advanced: 1.10.90
- Phantom 3 Standard: 1.8.10
- Phantom 3 4K: 1.5.40
- Matrice 100: 1.3.1.0
- Lightbridge 2: 1.1.50
- A3: 1.7.0.0

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