

# Android UX SDK 4.5 Release Notes

## Release Date

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2018.4.11

## Highlights

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- 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

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

## Android Compatibility

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UX SDK is compatible with Android 4.2 and above.

## Supported Products

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

## Supported Firmware

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- 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

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- **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

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

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# Android UI Library 4.4 Release Notes

## Release Date

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2017.12.22

## Highlights

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- 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

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

## Android Compatibility

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UI Library is compatible with Android 4.2 and above.

## Supported Products

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

## Supported Firmware

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- 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

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

## Known Issues

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- **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

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2017.10.09

## Highlights

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- Compatibility with Android SDK v4.3.2.

## Supported Android Mobile SDK

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

## Android Compatibility

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UI Library is compatible with Android 4.2 and above.

## Supported Products

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

## Supported Firmware

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- 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

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- Improved widget scaling.

## Known Issues

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- **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

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2017.09.17

## Highlights

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- 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

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

## Android Compatibility

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UI Libraries is compatible with Android 4.2 and above.

## Supported Products

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

## Supported Firmware

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- 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

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- Improved widget scaling.

## Known Issues

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- **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

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2017.07.04

## Highlights

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- 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

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

## Android Compatibility

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UI Libraries is compatible with Android 4.2 and above.

## Supported Products

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

## Supported Firmware

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- 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

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- **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

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2017.06.06

## Highlights

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- Compatibility with Android Mobile SDK 4.1.1
- Minor bug fixes

## Supported Android Mobile SDK

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

## Android Compatibility

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UI Libraries is compatible with Android 4.2 and above.

## Supported Products

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

## Supported Firmware

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- 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

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- **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.
- **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 4.0.1.1.0.0 Release Notes

## Release Date

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2017.04.18

## Highlights

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- 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

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- 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

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

## Android Compatibility

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UI Libraries is compatible with Android 4.2 and above.

## Supported Products

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

## Supported Firmware

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- 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

---

- **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.
- **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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