

Release Notes

Release Note: Skorpio™ X5 Android™ 10 **Distribution Date:** April 20, 2022
Version 2.12.008

Product Involved: Skorpio™ X5

Description: Skorpio™ X5 Android™ 10 Version 2.12.008 Firmware Release

Business Unit: Mobile Computers

Distribution Scope: Internal External – specify: Public

Skorpio™ X5 Android™ 10 version 2.12.008.20220308

1. COMPATIBILITY

- Skorpio™ X5 GMS/AOSP all versions.
- Skorpio™ X5 2D Imager XLR models first production release is 2.09.052 version.
- Skorpio™ X5 Russian and Turkish models first production release is 2.10.005 version.
- Skorpio™ X5 1D Imager can't be downloaded to version 2.09 or previous.
- Skorpio™ X5 2D Imager XLR can't be downloaded to version 2.10 or previous.

2. ENHANCEMENTS

2.1. Security Enhancements

Updated Android security patches level at March, 2022 [Android security bulletins links:
<https://source.android.com/security/bulletin/2022-03-01>
<https://source.android.com/security/bulletin/2022-02-01>
<https://source.android.com/security/bulletin/2022-01-01>
<https://source.android.com/security/bulletin/2021-12-01>
<https://source.android.com/security/bulletin/2021-11-01>
<https://source.android.com/security/bulletin/2021-10-01>].

2.2. Wi-Fi Enhancements

- a. Wi-Fi can connect to a no internet profile without asking user for confirmation and maintaining connection at reboot. (150848)

2.3. Miscellaneous Enhancements

- a. SureLock v21.08.014 embedded into Espresso Extension is no more reported as harmful app by Google Play Protect. (151369)
- b. Introduced support to new display and touch profiles. (152368, 153742)
- c. Introduced support to new accelerometer. (151062)
- d. Updated Battery Manager to 1.6.1 version.
- e. Updated Dock Manager to 1.8.7 version.
- f. Updated DL Scanner service to v2.2.0.12-r4-125 version.
- g. Updated SDK add-on to 1.30.2 version.
- h. Updated DLSettings to 1.10.10 version.

3. CORRECTED DEFECTS

3.1. Decoding Corrections

- a. Fixed an issue causing possible 2D Imager XLR scan module failure following the fw update. (151960)

3.2. Wi-Fi Corrections

- a. Now device is capable to connect to Cisco AP running Mobility Express virtual controller when Fast Transition parameter is set to 'Adaptive' mode. (135110)

4. KNOWN LIMITATIONS

4.1. Miscellaneous

- a. Terminal emulation keyboard overlays cannot support high F-keys (F13-F24) and specific emulation keys on Stay-Linked emulators. Velocity can support terminal emulation keyboard overlays since 2.1.17 version. (134993)

5. FILES

- skorpioX5_gms-user-ota-2.12.008.20220308.zip [Skorpio™ X5 Android™ 10 GMS 2.12.008]
- skorpioX5_aosp-user-ota-2.12.008.20220308.zip [Skorpio™ X5 Android™ 10 non-GMS 2.12.008]
- ReleaseNotes_Skorpio X5-Android 10-v2.12.008.pdf [this document]

6. OTHER NOTES

Other Dependencies:

- Scan2Deploy Studio 1.4 or newer
- Datalogic Android SDK 1.30
- Espresso Extension 1.7.1

Upgrade methods:

- Scan2Deploy Studio: see the specific *Scan2Deploy* section available in the *Skorpio™ X5 user manual*.
- Skorpio™ X5: installing OTA locally via *System Update* option available in *Datalogic Settings*.
- SDK intent
- ADB sideload

7. SUPPORT

Datalogic Download area:

<https://developer.datalogic.com/mobile-computers/products/skorpio-x5/android/firmware>

Datalogic Technical Support Request:

https://www.datalogic.com/eng/support-service-sp-18.html#technical_support

www.datalogic.com



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8. HISTORY

Skorpio™ X5 Android™ 10 version 2.11.006.20211008

ENHANCEMENTS

Security Enhancements

- Updated Android security patches level at September, 2021 [Android security bulletins links: <https://source.android.com/security/bulletin/2021-09-01> <https://source.android.com/security/bulletin/2021-08-01> <https://source.android.com/security/bulletin/2021-07-01>].

Decoding Enhancements

- Introduced support for ITF14 and GS1 QRCode barcode types.
- Introduced support for OCR on 2D Imager XLR models.
- Added property to configure UPC-EAN aggressiveness.
- Added support to Visual Formatter Level 3 features to manage Actions.
- Improved Multi Scan option to return partial results.

Wi-Fi Enhancements

- Exposed "Hidden network" in network edit mode and outside of network "Advanced options". (142300)

Miscellaneous Enhancements

- Updated touch firmware version to improve display touch usability and stability. (135642, 140733, 142882)
- Updated Scan2Deploy to 1.33 version.
- Updated Dock Manager to 1.8.6 version for notifying cradle firmware update progress.
- Updated DL Scanner service to v2.2.0.10-r5-120 version.
- Updated SDK add-on to 1.29.2 version.
- Updated DLSettings to 1.10.4 version.

CORRECTED DEFECTS

Miscellaneous Corrections

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- Fixed an issue preventing to apply S2D configuration at start dialog of the Setup Wizard after scan engine firmware update (143673).

Skorpio™ X5 Android™ 10 version 2.10.005.20210618

ENHANCEMENTS

Security Enhancements

- Updated Android security patches level at June, 2021 [Android security bulletins links: <https://source.android.com/security/bulletin/2021-06-01> <https://source.android.com/security/bulletin/2021-05-01> <https://source.android.com/security/bulletin/2021-04-01> <https://source.android.com/security/bulletin/2021-03-01>].

Decoding Enhancements

- Introduced support for GS1-Data Matrix barcode type.
- Introduced support for Data Matrix mirrored on 2D Mid-Range models.

Wi-Fi Enhancements

- Introduced channels selection in Wi-Fi settings. (113141)

Miscellaneous Enhancements

- Introduced support to Russian and Turkish SKUs. (134485, 136307)
- Updated Qualcomm platform codebase. (136981)
- Updated Scan2Deploy to 1.30 version.
- Updated Dock Manager to 1.8.5 version for notifying cradle firmware update progress.
- Updated DL Scanner service to v2.2.0.5-r2-114 version.
- Updated SDK add-on to 1.28.2 version.
- Updated DLSettings to 1.9.3 version.

CORRECTED DEFECTS

Miscellaneous Corrections

- Fixed an issue that prevented to enroll device using AE QR Code enrollment when configuring language and country. (134954)

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ENHANCEMENTS

Security Enhancements

- Updated Android security patches level at February, 2021 [Android security bulletins links: <https://source.android.com/security/bulletin/2021-02-01> <https://source.android.com/security/bulletin/2021-01-01> <https://source.android.com/security/bulletin/2020-12-01>].

Miscellaneous Enhancements

- Updated Scan2Deploy to 1.28 version.
- Updated Dock Manager to 1.8.2 version introducing option to reboot cradle.
- Updated DL Scanner service to v2.1.0.3-r2-110 version.
- Updated SDK add-on to 1.27.1 version.
- Updated DLSettings to 1.8.0 version.
- Updated DXU agent to 1.33.5991 version.

CORRECTED DEFECTS

Decoding Corrections

- Fixed regression issues preventing to scan data in wedge mode on certain applications context. (133965)
- Fixed an issue preventing to scan code in picklist mode at long distance on XLR models. (121246)

Miscellaneous Corrections

- Fixed an issue preventing automatic exit from charging mode when screen was turned off. (116254)
- Fixed an issue causing the impossibility to copy files on internal storage using any MDM agents due to missing permissions, hence it was not possible to apply firmware update or Scan2Deploy payload/DXU configuration. (124041, 123249)

Skorpio™ X5 Android™ 10 version 2.08.050.20201204

ENHANCEMENTS

Security Enhancements

- Updated Android security patches level at November, 2020 [Android security bulletins links: <https://source.android.com/security/bulletin/2020-11-01> <https://source.android.com/security/bulletin/2020-10-01>].

CORRECTED DEFECTS

Decoding Corrections

- Fixed an issue that caused 'Commit Text' wedge mode to stop to work. (115161)

Wi-Fi Corrections

- Now 802.11mc protocol for indoor localization is properly supported. (117097)

Miscellaneous Corrections

- Fixed an issue that caused over exposure picture if taken with flash light on. (121315)

Skorpio™ X5 Android™ 10 version 2.07.042.20201005

First Production Release