

Version_F508.240117.0002 (KDC80/KDC180NA/KDC185/KDC280NA/KDC380NA)

1. [Enhanced] Integrated KDC380 support.
2. [Enhanced] Added ATT barcode and configuration.
3. [Enhanced] Added shipping date store in the KDC.
4. [Enhanced] Added Decathlon feature into auto trigger.

VersionT_285 A7V6 (SKX)

1. [Enhanced] Added NFC support.
2. [Enhanced] Added ScanAfterAim feature.

VersionT_3x7 A7VD (KDC470/475/480/485)

1. [Enhanced] Code32 symbology of 2D is disabled by default.

Version_F508.220728.2403 (KDC80/KDC180NA/KDC185/KDC280NA)

1. [Enhanced] Code32 symbology of 2D is disabled by default.
2. [Enhanced] Changed Auto trigger reread delay and set SHORT as a default value.

Version_F508.220728.2402 (KDC80/KDC180NA/KDC185/KDC280NA)

1. [Enhanced] Added VLM4122 related menu (Scan angle & Filter)
2. [Enhanced] Added OCR support to KDC180/KDC185
3. [Enhanced] Added laser scan engine detection in the factory default.
4. [Enhanced] Added an option to select laser scan engine.
5. [Bug Fix] Fixed dongle connection issue when returned to in range from out of range.

VersionT_3x7 A7VC (KDC470/475/480/485)

1. [Enhanced] Support charging from pogo pin of 1.0W UHF reader.

VersionT_285 A7V3 (SKX)

1. [Enhanced] Support UHF power level from 0 to 30dBm (1.0W) and 0 to 27dBm (0.5W).

VersionT_285 A7V2 (SKX)

1. [Bug Fix] Fixed RFID-related issues for a new 1W Reader.

Version_F508.220728.2301.1 (KDC80/KDC180NA/KDC185/KDC280NA)

1. [Enhanced] Updated the firmware upgrade tool so that it can detect the old firmware even without the proper model name in the firmware version and so that the KDC device with custom firmware can be upgraded.
2. [Enhanced] Now can send HID control character with Alt+Numpad through BLE Dongle.

VersionT_285 A7V1 (SKX)

1. [Enhanced] Supporting the Swedish HID Keyboard.

VersionT_3x7 A7VB (KDC470/475/480/485)

2. [Enhanced] Added a feature to support a special barcode for **Set Options(1D/2D)** and **Set Options(2D)** at <https://services.koamtac.com/webkdc/kdc/release/spebarcode.html>.
3. [Bug Fix] Fixed the issue where the KDC fails to read the name of BLE device intermittently incorrectly.

VersionT_285 A7UZ (SKX)

1. [Enhanced] Supporting the firmware upgrade from KTSync SKX while the Pistol/ExtBat companion is installed.
2. [Enhanced] Added the Illumination On / Off feature.

VersionT_3x7 A7VA (KDC470/475/480/485)

1. [Enhanced] Improved a communication speed for the new 1W UHF Reader module.
2. [Bug Fix] Fixed a hanging issue when turning on the HF/NFC. (side-effect of the previous firmware)

VersionT_285 A7UY (SKX)

1. [Enhanced] Added more strong detection logic for Extended Battery or Pistol Grip Companion.
2. [Enhanced] Added a channel select feature for 1W/0.5W UHF Reader.
3. [Enhanced] Added a battery gauging feature for Extended/Pistol Battery.

Version_F508.230209.0100 (KDC380NA)

1. [Enhanced] Supports Wi-Fi and NFC models with one common firmware.

VersionT_285 A7UX (SKX) – Release Canceled

1. [Enhanced] Supports a new UHF 1.0W module (IDRO Module).
2. [Enhanced] Supports two charging current options and their special barcodes (3000mA / 700mA).

Version_F508.220728.2108 (KDC80/KDC180NA/KDC185/KDC280NA)

3. [Enhanced] Sets UHF Tag Read Mode to Active Read Mode by default.
4. [Enhanced] Displays the battery level as well when right(down) button is pressed.
5. [Enhanced] Adds a new Scan Mode option (Scan After Aim & Scan with Aim)
6. [Enhanced] Sets to Poor Quality Read Mode by default to improve the reading distance on the Honeywell engine.
7. [Enhanced] Supports Honeywell Scan Engine Firmware Upgrade feature.
8. [Bug Fix] Fixed a hang issue when entering a sleep mode after reading the master barcode in the master/slave application.
9. [Bug Fix] Fixed a barcode conversion error for UPCA to EAN13, UPCE to UPCA, UPCE to EAN13, and EAN8 to EAN13.

Version_F508.220823.09 (KDC380NA)

1. [Bug Fix] Fixed a barcode conversion error for UPCA to EAN13, UPCE to UPCA, UPCE to EAN13, and EAN8 to EAN13

VersionT_285 A7UW (SKX)

1. [Enhanced] Added a new feature to support new scan engines N6803FR/MR (longer range scan engines).
2. [Bug Fix] Fixed a reset issue when installing a certain version of the pistol companion into the sled.

Version_F508.220823.08 (KDC380NA)

1. [Enhanced] Updated bootloader to support KDC380NA as well.
2. [Enhanced] Improved BLE transmission speed.
3. [Enhanced] Added a 'Graphic_Battery' option to the display format option.
4. [Bug Fix] Fixed a hang issue when entering pairing mode with a special pairing barcode.

Version_F508.220728.20 (KDC80/KDC180NA/KDC185/KDC280NA)

1. [Enhanced] Updated bootloader to support KDC380NA as well.
2. [Enhanced] Improved BLE transmission speed.
3. [Enhanced] Support Honeywell N6803MR/FR engine for KDC180NA.
4. [Enhanced] Added a 'Graphic_Battery' option to the display format option.
5. [Bug Fix] Fixed a hang issue when entering pairing mode with a special pairing barcode.

VersionT_3x7 A7V8 (KDC470/475/480/485)

1. [Enhanced] The charging duration is reduced by improving the current consumption.
2. [Bug Fix] Fixed an issue where the KDC470 with MSR was not charging on the charging cradle charging.

3. [Bug Fix] Fixed an issue where the swiped MSR data was transmitted to the host device with 2~3 second delay.

VersionT_285 A7UT (SKX)

1. [Charging Scenario Change] Just for SKX6PRO, the phone's battery is being charged first on the charging cradle and then the companion battery (pistol battery or extended battery) will be charged only when these requirements are met:
 - The phone's battery should be fully charged
 - Or, after the charging timeout (after 360 minutes with 5V charging or after 200 minutes with 9V charging)

VersionT_3x7 A7V6 (KDC470/475/480/485)

1. [Enhanced] For GTA3 SmartSled, added a power boosting function for the USB charging.

VersionT_3x7 A7V5 (KDC470/475/480/485)

1. [Enhanced] In the barcode mode of KDC 1W RFID reader, the phone charging operation is now following the phone charging enable/disable option.

Version_F508.220728.17 (KDC80/KDC180NA/KDC185/KDC280NA)

1. [Bug Fix] Fixed a hang issue when a decoder error is detected during booting
2. [Bug Fix] Fixed a beep volume issue after the factory default
3. [Bug Fix] Fixed a synchronization issue when stored data size is over 0.5MB
4. [Enhanced] Added firmware upgrade support via BLE

VersionT_3x7 A7V3 (KDC470/475/480/485)

1. [Bug Fix] Abnormally long charging time issue has been fixed. (Happening only KDC470C/480C Opticon MDI-41xx scan engine due to no sleep mode with USB connected)

VersionT_285 A7US (SKX)

1. [Enhanced] Added a code protection function for the bootloader

Version_F508.220823.06 (KDC380NA)

1. Initial Release for KDC380 New Architecture model (S/N: 000,337~000,356, 010,001~)

VersionT_285 A7UR (SKX)

1. [Enhanced] Now supporting SKX6Pro
2. [Enhanced] Improved the charging scenario and the performance in case of USB-powered charging

VersionT_3x7 A7V2 (KDC470/475/480/485)

- [Bug Fix] Fixed an issue where the KDC is not returning to the Bluetooth Mode from the OTG Mode after the OGUA got detached from the KDC, which causes the Bluetooth connection to be not correctly established. (Issue happening very rarely only in A7V1)

VersionT_3x7 A7V1 (KDC470/475/480/485)

- [Bug Fix] Fixed a not-charging issue on the charging cradle, which happens when starting to charge from the power-off status or in case of a repetitive sitting/removing of the KDC4xx/OGUA.

VersionT_3x7 A7UZ (KDC470/475/480/485)

- [Enhanced] Supporting to select a specific channel of each country's UHF band (for 0.5W or 1W UHF reader) (US, EU, KR, and JP only) – This is available only through KOTMAC SDK.

5.2 Wide US band

Channel	Channel Frequency	Channel	Channel Frequency
1	902.75 MHz	26	915.25 MHz
2	903.25 MHz	27	915.75 MHz
3	903.75 MHz	28	916.25 MHz
4	904.25 MHz	29	916.75 MHz
5	904.75 MHz	30	917.25 MHz
6	905.25 MHz	31	917.75 MHz
7	905.75 MHz	32	918.25 MHz
8	906.25 MHz	33	918.75 MHz
9	906.75 MHz	34	919.25 MHz
10	907.25 MHz	35	919.75 MHz
11	907.75 MHz	36	920.25 MHz
12	908.25 MHz	37	920.75 MHz
13	908.75 MHz	38	921.25 MHz
14	909.25 MHz	39	921.75 MHz
15	909.75 MHz	40	922.25 MHz
16	910.25 MHz	41	922.75 MHz
17	910.75 MHz	42	923.25 MHz
18	911.25 MHz	43	923.75 MHz
19	911.75 MHz	44	924.25 MHz
20	912.25 MHz	45	924.75 MHz
21	912.75 MHz	46	925.25 MHz
22	913.25 MHz	47	925.75 MHz
23	913.75 MHz	48	926.25 MHz
24	914.25 MHz	49	926.75 MHz
25	914.75 MHz	50	927.25 MHz

5.6 EU band

Channel	Channel Frequency
1	-
2	-
3	-
4	865.70 MHz
5	-
6	-
7	866.30 MHz
8	-
9	-
10	866.90 MHz
11	-
12	-
13	867.50 MHz
14	-
15	-

Version_F508.220728.05 (KDC80/KDC180NA/KDC185/KDC280NA)

- [Bug Fix] Fixed a minimum barcode length handling issue on the 1D laser model

VersionT_3x7 A7UX (KDC350)

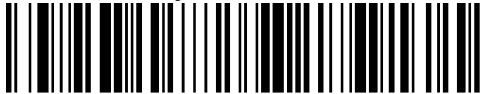
1. [Enhanced] Resolved iOS 15 Software Keyboard Disappearance Issue by enabling the keyboard using this barcode. (It is disabled by default)

iOS HID Keyboard Enable (iOS v15+)



«SYN»MKDCH3001.

iOS HID Keyboard Disable (Default: iOS v15+)



«SYN»MKDCH3010.

VersionT_3x7 A7UT (KDC280 – Micro USB Model)

1. [Bug Fix] Fixed a sleep current issue which was a side effect in the firmware A7UQ.

VersionT_3x7 A7UT (KDC380 – Type-C Model)

1. [Initial] Initial Firmware Release

Version_F508.220728.04 (KDC80/KDC180NA/KDC185/KDC280NA)

1. [Bug Fix] Fixed a Bluetooth Connect/Disconnect Notification Display Issue.

Version_F508.220728.01 (KDC80/KDC180NA/KDC185/KDC280NA)

1. [Bug Fix] Fixed a firmware crash issue when connecting to USB dongle.

Version_F508.220728 (KDC80/KDC180NA/KDC185/KDC280NA)

1. [Enhanced] Moved a memory for firmware update from external flash to internal flash
2. [Enhanced] Optimized Honeywell engine detection time by putting some delay
3. [Bug Fix] Fixed the database handling exceptional case and the UHF tag reading exceptional case

Version_F508.090813 (KDC80/KDC180NA/KDC185/KDC280NA)

1. [Bug Fix] Some international language displays wrong.

Version_F508.09081 (KDC80/KDC180NA/KDC185/KDC280NA)

1. [Enhanced] Initial firmware for KDC180 Type-C USB Model (KDC180NA)
2. [Bug Fix] Fixed a fail-to-reset or a wrong setting issue after the factory default

Version_F508.0908 (KDC80/KDC185/KDC280NA)

1. [Enhanced] Can enter the pairing mode by pressing and holding the scan button when "Always Pairing" is enabled.
2. [Enhanced] Optimized the BLE Power Level for the stable BLE connection (Added a menu to change the BLE Power Level)
3. [Enhanced] The default setting for the symbology codablockF is now disabled. (Some codablockF affects the reading of code 128)

VersionT_3x7 A7UQ (KDC280 – Micro USB Model)

1. [Bug Fix] Fixed the hang-up issue which is happening at wakeup from the sleep or at the continuous scanning operation.

VersionT_285 A7UP (SKXPro/SKX5)

1. [Enhanced] Changed the charging scenario, that is, when charging SKX and the extended battery using USB power, the phone charges first and then the extended battery charges.
2. [Enhanced] Improved the KTSync Disconnection issue and the slow charging issue.

VersionT_3x7 A7UP (KDC470/475/480/485)

1. [Enhanced] The default setting for the symbology codablockF is now disabled. (Some codablockF affects the reading of code 128)

VersionT_285 A7UO (SKXPro/SKX5)

1. [Bug Fix] Resetting the HID Keyboard back to US Keyboard after Factory Default or Firmware Upgrade (Fixed the gibberish data transmission issue in USB HID Mode)
2. [Bug Fix] Optimized the charging logic via POGO pins in case the SKX has an installed extended battery (Improved the disconnection issue when out of the charging cradle)

VersionT_3x7 A7TX (KDC280)

1. [Enhanced] Only KBLED41 New Firmware (131D41ED) is packaged into the same KDC280 Firmware A7TX.
2. [Enhanced] KBLED41 (131D41ED) – CAPSLOCK key is now nullified. (Regardless of the status of CAPSLOCK key, the Dongle transmits the actual barcode data.)

Version_F5x8.0904 / B100.06 / S720 (KDC280/KDC80/KDC185)

1. Initial firmware for KDC280 Revision Model (Type-C USB, NFC Pairing, New Laser Engine, S/N 020,001~) & re-releasing the initial firmware for both KDC80 and KDC185

VersionT_285 A7UM (SKXPro/SKX5)

1. [Bug Fix] Fixed a charging issue which intermittently happens after the mode change between USB Serial Mode and USB HID Mode. (Bug on A7UL)

VersionT_285 A7UL (SKXPro/SKX5)

1. [Enhanced] Supporting Danish Keyboard.
2. [Enhanced] Optimized Power-related logic for companions (EXTBAT, PISTOL GRIP, UHF1.0W).

Version_F500.0902 / B100.06 (KDC185)

1. New firmware for KDC185

VersionT_3x7 A7UL (KDC470/475)

1. [Enhanced] Optimized the OTG Connection Retry Timeout from 30 secs to 6 secs.

Version_F500.080M / B100.06 (KDC80 / KDC185)

1. Initial firmware for KDC80 and KDC185

VersionT_285 A7UH (RE-RELEASE) (SKXPro/SKX5)

1. [Enhanced] The power management has been improved in the configuration of SKXPro and the extended battery companion with the charging cradle.

VersionT_285 A7UH (SKXPro/SKX5)

1. [Enhanced] KDC product information for the app connection is now set to "Model Name [Serial Number]". (It used to be "Null").

VersionT_285 A7UG (SKXPro/SKX5)

1. [Enhanced] Improved the USB HID data transmission speed by about two times in case of Android 10 and under.

VersionT_285 A7UF (SKXPro/SKX5)

1. [Enhanced] Optimized the booting time.
2. [Enhanced] Automatic detection of UHF 1W Reader and others. (In case of UHF 1W Reader, the phone charging feature is disabled.)
3. [Enhanced] Added a Low Battery Alert for UHF 1W Reader Battery.
4. [Enhanced] Fully supporting SKXSLED-MSRIC companion.
5. [New] Applied AFC (Adaptive Fast Charging) to SKX5

VersionT_327 A7UG (KDC200M)

1. To support a new OLED.

VersionT_285 A7UE (SKXPro/SKX5)

1. [Enhanced] to combine the firmware for SKXPro and SKX5 into one.
2. [Enhanced] to support SKX 1.0W UHF Reader for US Version.
3. [Enhanced] to support all the companions for SKX5.

VersionT_3x7 A7UD (KDC470/475)

1. [Enhanced] Added a "Failed Beep Enable/Disable" feature.
2. [Bug Fix] Fixed an issue related to MSRIC companion module.

VersionT_285 A7UC (SKXPro)

1. [Enhanced] Added UHF1.0W support

VersionT_285 A7TY (SKXPro)

1. [Enhanced] Added another way of automatic reset of SKXPro from the phone power cycling or the phone removal/reinsertion, in addition to pressing the left and right scan buttons at the same time for 3 seconds. (Re-modified from the firmware A7TW and A7TX)

VersionT_285 A7TX (SKXPro)

1. [Enhanced] Fixed a loophole on A7TW additionally.

VersionT_3x7 A7TX (KDC470/475)

1. [Bug Fix] Fixed a minor issue.

VersionT_285 A7TW (SKXPro)

1. [Enhanced] Pressing the left and right scan buttons at the same time for 3 seconds resets the SKXPro. Then the short beep will sound to confirm the SKXPro reset is completed.

VersionT_285 A7TX (KDC180)

1. [Changed] Minimum Length for the barcode data is now one (1) by default. (Previously it was four (4))

VersionT_3x7 A7TX (KDC270/KDC280)

1. [Enhanced] KDC270 supports a new OLED display part (dual sources for OLED display part) and it does not affect the current (previous) OLED KDC270 devices.)

2. [Changed] Minimum Length for the barcode data is now one (1) by default. (Previously it was four (4)) (KDC270/280)

VersionT_3x7 A7TW (KDC280)

1. [Enhanced] KDC280 supports a new OLED display part (dual sources for OLED display part) and it does not affect the current (previous) OLED KDC280 devices.)

VersionT_285 A7TV (SKXPro)

1. [Enhanced] Changed the cradle charging timeout from 12 hours to 24 hours.
2. [Enhanced] Supplementary charging of 15 min added 3 hours after full charging (15 min charging, 3 hours resting, 15 min charging, 3 hours resting, ...)

VersionT_3x7 A7TV (KDC470/475)

1. [Enhanced] To support Honeywell scan engine N3601.

VersionT_3x7 A7TO (KDC180/280) - Repackaged

1. [Enhanced] To prohibit users from the firmware downgrading to the earlier version.

VersionT_3x7 A7TT (KDC470/475)

1. [Enhanced] Improved HID auto connection after power on when a pistol grip is installed.

VersionT_285 A7TR (SKXPro)

1. [Enhanced] Upgraded to support 0.5W UHF Reader (SKXSLED-UHF0.5W) and KDC600 Lite (SKXSLED-MSRIC).

VersionT_285 A7TP (SKXPro)

1. [Enhanced] Changed the centering window option to minimum window.

VersionT_285 A7TN (SKXPro)

1. [Enhanced] Added an API: ScanButtonLock
2. [Changed] Changed USB Vendor ID and Product ID

VersionT_285 A7TM (SKXPro)

1. [Enhanced] Fast charging is now supported

VersionT_3x7 A7TP (KDC470/475)

1. [Updated] Official release for KDC470/475

VersionT_285 A7TL (SKXPro)

1. Official release for SKXPro

VersionT_3x7 A7TO (KDC180/270/280/350/470/475)

2. [Enhanced] Centering function added at KDC Menu > Scan Options > ScanCentering (default: Disabled) to narrow down the scanning view (only applied to 2D imager models: KDC180/270C/280C/350C)
3. [Enhanced] Added social distancing feature added to KDC280/470/475 BLE5.0 models as well
4. [Updated] Corrected the OCR function
 - KDC270C/280C/470C: supports only MRZ (Passport OCR)
 - KDC180/350C-R2/475H: No OCR
 - KDC350C-R1: OCR-A, OCR-B, OCR US Currency, OCR MICR E13B, OCR Semi Font (no MRZ)
5. [Updated] Removed OPEN profile from BLE models (KDC180/280)
6. [Updated] Changed the menu name from "Sec. Numeric" to "Sec. Pairing" (only in SPP mode) (KDC180)

VersionT_285 A7TN (KDC180)

1. [Enhanced] Social distancing feature added

VersionT_3x7 A7TN (470/475)

1. Adjusted UHF Maximum Transmission Power Level

VersionT_285 A7TK (SKXPro)

1. Official initial release for SKXPro

VersionT_3x7 A7T6 (KDC270/280/350)

1. [Enhanced] "Always-Pairing Mode" feature added for the easy reconnection. By default, it is enabled. (MENU → BT Service → AlwaysPairing)

VersionT_3x7 A7TE (KDC470/475/480/485)

1. [Enhanced] Added 3 more UHF tag read options for 1.0W and 0.5W UHF reader
2. [Enhanced] Changed UHF power level control now down to 0 dBm

VersionT_285 A7TE (KDC180)

1. [Enhanced] Added 3 more UHF tag read options for 1.0W and 0.5W UHF reader
2. [Enhanced] Two different firmware for multi-language (MENU → System → Language)

- KDC180C_285JT for Japanese/English option
 - KDC180C_285T for Korean/English/French/Italian/Spanish option
3. [Enhanced] The brightness of LED bar (MENU → System → LED Control (default:10%))

VersionT_3x7 A7T9 (KDC470/475)

1. [Enhanced] "Always-Pairing Mode" feature added for the easy reconnection. By default, it is enabled.
2. [Enhanced] Supported Intelligent mail barcode

VersionT_285 A7P9 (KDC20)

1. [Enhanced] Improved an overall scanning performance

VersionT_285 A5P3 (KDC30)

1. [Changed] No power-off in case of a low battery

VersionT_3x7 A7P8 (KDC270)

1. Minor bug fixed

VersionT_285 A7P7 (KDC180)

1. [Enhanced] Supported a new NFC pairing
2. [Enhanced] Programmable LED indicators are implemented and available through SDK V3.05.10