

MCL Technologies

Release Notes

MCL-Client 4.10

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TECHNOLOGIES



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MCL-Client 4.10 Update Packages

1. Package Details

Package #	MCL-Client version	Release Date	Scope
P121	4.10.121.26877	15/10/2021	<i>Motorola MC18 CE7</i>
P120	4.10.120.26835	07/10/2021	All supported <i>Android</i> devices
P110	4.10.110.26696	15/09/2021	All supported <i>Android</i> devices
P100	4.10.100.26597	27/07/2021	All supported <i>Android</i> devices
P91	4.10.91.26554	16/07/2021	<i>Zebra TC75 Android 5</i>
P90	4.10.90.26486	01/07/2021	All supported devices except <i>Windows 10</i> devices
P82	4.10.82.26412	18/06/2021	All supported <i>Windows 10</i> devices
P80	4.10.80.26333	02/06/2021	All supported devices
P60	4.10.60.26069	12/04/2021	All supported <i>Android</i> devices
P51	4.10.51.26040	02/04/2021	All supported <i>Windows</i> devices
P50	4.10.50.25913	16/03/2021	All supported <i>Android</i> devices
P41	4.10.41.25803	08/03/2021	<i>Panasonic FZ-N1 Android 9</i> <i>Zebra TC20 Android 8</i>
P40	4.10.40.25770	10/02/2021	All supported <i>Android</i> devices
P31	4.10.31.25605	15/12/2020	<i>Datalogic Memork Android 9</i> <i>Zebra TC21 Android 10</i> <i>Zebra TC26 Android 10</i> <i>Zebra MC2200 Android 10</i> <i>M3 Mobile SM15 Android 8</i>
P30	4.10.30.25562	02/12/2020	All supported <i>Android</i> devices
P20	4.10.20.25466	30/10/2020	All supported <i>Android</i> devices
P02	4.10.02.25350	02/10/2020	All supported <i>Android</i> devices
P01	4.10.01.25284	11/09/2020	<i>Cipherlab RX25 Android 9</i>



2. *MCL-Client 4.10.121.26877* Update (P121)

2.1 New Devices

- ✓ MOT MC18 CE7

3. *MCL-Client 4.10.120.26835* Update (P120)

3.1 New Devices

- ✓ HON_CT40XP_AD10
- ✓ HON_CT45_AD11
- ✓ HON_CT45XP_AD11

3.2 Enhancements

- *MCL Operator Login App*: Update to version 10.44.
Added support for an Automatic and Manual Pairing mode of an *MCL* supported *Bluetooth* headset with the device being handled by an operator via the *MCL Operator Login App*:
 - The Automatic Headset Pairing mode is only available within an *MCL-Mobility Platform* context - it is possible to define a specific *BT* headset in an operator's profile (Peripheral Devices – field "Peripheral 1"). After login, the device (which is paired to the *MCL-Mobility Platform*) receives the defined *BT* headset's MAC Address and will, automatically, pair with that headset.
If, prior to login, there is already a headset paired to the device, the *MCL Operator Login App* will check the Local Operator cache where the *BT* headset's MAC Address is specified, and, if the paired headset's MAC Address is a match to that reference, it assumes the associated operator profile and simply asks the operator to confirm it.
 - The Manual Headset Pairing mode consists of assigning the intended *BT* headset by entering its MAC Address during login using the *MCL Operator Login App*. Once the login operation is completed, it will be paired to the device.
- Speech: Enhanced Speech Control Panel Navigation. Now, when the Calibration/Speech Test pop-up window is open, navigating back always sends the operator to the Speech Control Panel.
- Speech: Enhanced "Speech Test" option. Any previous recognition/acceptance results (speech output + star rating) are reset/discarded every time the operator opens the corresponding pop-up window.
- System (*Android 9*): Added support in *Android 9* devices for the parameter "Kiosk.DisableHome". This parameter is used to disable the HOME button in devices with "device owner" type of Kiosk Mode.
- System: Added support for the use of *MCL* aliases in the "Start Android Activity" and "Start External Program" processes ("Other" processes group).

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3.3 Bug Fixes

- Aux Profile: Refactoring of the communication with auxiliary peripherals (Bluetooth and TCP/IP Socket).
- Camera: Fixed a crash that occurred when trying to take a picture when a camera was not available – the expected behaviour is to get an error message.
- *MCL-Voice Operator Login App*: Fixed issue that affected the default “Operator Volume” parameter by adding tolerance to the parameter’s value enumeration.
- *MCL-Voice Operator Login App*: Fixed random occurring crashes and freezes after switching speech operators (**ex:** [Calibration would not be triggered after an operator login](#)).
- *MCL-Voice Operator Login App*: Fixed potential crash that might occur when switching languages in the *MCL-Voice Operator Login App*.
- *MCL-Voice Operator Login app*: Fixed random crash that could occur during login via the *MCL-Voice Operator Login app*.
- Processes (*Android 9*): Fixed issue that occurred when calling an external app (via a “Start Android Activity” process) and access to a local file was required (**ex:** [send an email with an attached file](#)) – it would systematically fail/generate a “URI exposed” error.
- *Proglove Support (Android 10)*: Fixed issue that prevented the proper pairing of the *Proglove* scanner in an *Android 10* device. The related QR code is now displayed as expected.
- Scanner (*Intermec devices*) Fixed *MCL-Client* crash that occurred when using a scanner in *Intermec* devices.
- Speech: Fixed rare TTS crash that could occur after exiting an *MCL* application.
- Speech: Fixed issue that prevented the proper execution of the “Test” option in the Speech Control Panel.
- Speech: Fixed issue that affected the setting of a BT headset’s volume level via Speech Control Panel – the defined volume level would be lost after a headset disconnect/reconnect procedure.
- Speech: Fixed a random ANR that would occur when calling a calibration that was defined in a “Speech Input” process.
- Speech: Fixed issue that affected the display of the Speech Control Panel options when trying to execute a calibration (**ex:** [missing panel options](#)).
- Speech: Fixed issue that allowed the *Android* button “Back” to cancel an ongoing calibration operation.
- Speech (*Android 10*) – Fixed crash that occurred in some *Android 10* devices when using speech input in an Input Cash control.
- Speech: Fixed a Layout issue in the “Speech Test” pop-up window (included in the Speech Control Panel) when the device adopted a “Landscape” orientation.

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- Speech: Fixed issue in the Calibration pop-up window – the “Cancel” button would not work properly.
- Speech: Fixed an issue affecting the Speech Control Panel – during a Calibration, it was possible to exit the Speech Control Panel by clicking outside the pop-up window. This behaviour was causing unwanted side effects.
- Speech: Fixed a crash that would occur if exiting the *MCL* environment during a Calibration.
- Staging: Fixed issue that occasionally prevented the scanning of the Staging QR Code during Automatic Staging/Pairing.
- System (*Zebra* devices): Fixed issue that affected *Zebra* devices using an *MCL-Client* Perpetual License when enabling/disabling Kiosk Mode.
- System: Fixed an issue that generated a zero bytes file in the <System> folder after deploying a PEM certificate file. Now, the zero bytes file is no longer generated.
- System: Fixed issue that caused the device to report an incorrect IP address instead of the IP address of the currently active network.

4. *MCL-Client 4.10.110.26696* Update (P110)

4.1 New Devices

- ✓ ZBR_CC605_AD10
- ✓ ZBR_CC610_AD10

4.2 New Features

- System (*Android*): Added support of SFTP (put/get).

4.3 Enhancements

- Added support for Data Files without a Record Separator/with Fixed Length Records.

4.4 Bug Fixes

- Scanner (*Datalogic* devices): Fixed issue that affected *Datalogic* devices (**ex: Memor20**) and prevented them from enabling the “SoftSpot” setup. For proper execution, edit the DPF Parameter file - use parameter OnScreenTrigger=OsDefault in section [SCANNER] – and control the Softspot feature in the Operating system.”
- Scanner (*Proglove*): Fixed issue that prevented the use of speech input and barcode scan in a Barcode Input control.
- Speech: Fixed issue that prevented the proper interpretation of a TTS utterance using the NATO Alphabet (November).

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- Speech: Fixed a memory corruption issue that affected speech applications when an operator referenced an ASR or TTS language that was NOT installed in his device.
- Splash Screen: Fixed issue that affected screen orientation – the Portrait /Landscape orientations were not applied properly.
- System (*Android*): Fixed an ANR issue which was identified when Speech related operations, *Proglove* scanner pluggin and Remote Control where all running at the same time and demanding resources from a low performance device.

5. *MCL-Client 4.10.100.26597* Update (P100)

5.1 New Devices

- ✓ PAN_FZL1_AD8
- ✓ SAM_SMG525F_AD11 (XCover5)

5.2 New Features

- Authentication: Added support for authentication via Client Certificates in *Android* devices.

5.3 Enhancements

- System (*Zebra Android* devices): Now, pressing the Home button when Kiosk Mode is enabled in *Zebra Android* devices does NOT allow the operator to return to the *MCL App Desktop* environment/close the current application – the Home button has no function if Kiosk Mode is enabled.

5.4 Bug Fixes

- *App Desktop*: Fixed an issue that occurred when Kiosk Mode was enabled and *MCL App Desktop* was set as Device Owner – it would allow access to the notification panel when a third-party application was launched.
- Controls: Fixed issue that prevented the Grid and Advanced List Box controls from being rendered when dynamic queries became invalid.
- Controls: Fixed issue that prevented the Input Cash control from respecting the decimal separator sign defined in the device language settings.
- Screens: Fixed issue that hid the navigation bar (at the bottom of the screen) when SIP was visible.
- System: Fixed SIP issue present in certain *Android 10* devices – the decimal separator was not properly displayed in the SIP when the set language was not English.
- System: Fixed potential crash by ensuring that all remote control services are started in the foreground.

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6. *MCL-Client 4.10.91.26554* Update (P91)

6.1 Enhancements

- Camera (*Android*): Added support for CameraX implementation.
- System (*Android*): Improved the CPU usage of the *Proglove* add-on when starting the application in an *Android 5* device.

6.2 Bug Fixes

- Speech (*Android*): Fixed a memory corruption issue that affected speech applications when an operator referenced an ASR or TTS language that was NOT installed in his device.

7. *MCL-Client 4.10.90.26486* Update (P90)

7.1 New Features

- Add-ons: Added support for the *Proglove MARK* scanner.

7.2 Enhancements

- *App Desktop*: Added support for *Android 5*, *6* and *7* devices to allow temporary access to an external activity (**ex: making or receiving a phone call**) when device has Kiosk mode enabled via device owner method.

7.3 Bug Fixes

- *App Desktop*: Fixed issue that prevented the use of *App Desktop's* sticky notification icon.
- Controls (*Android*): Fixed a random crash that occurred when using Conditional Values in an Advanced List Box.
- Controls (*Windows*): Fixed issue affecting the File Browse control – the horizontal scroll did not work properly.
- Controls (*Windows*): Fixed sync issue affecting the Button control – the control's state would not update to "Enabled" in spite of an active "Only if all Inputs are Valid" condition.
- Controls (*Windows*): Fixed issue that affected the display of Data File content in an Advanced List Box when the target area was too small for the defined style.
- Controls (*Android*): Fixed random crash that could occur when displaying an Advanced List Box.

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- Controls (*Android*): Fixed issue that prevented an <ENTER> key input from shifting the focus from a Radio Button control to the next focusable element.
- Controls (*Android*): Fixed issue affecting data input in controls – the focus moved to the next input even when the current input was invalid.
- NFC (*Android*): Fixed an issue that wrongly generated/reported a “no valid RFID license” error message.
- Processes (*Android*): Fixed issue affecting the “Variable Search” process – it would not identify/return the correct values.
- RFID (*Zebra Android*): Fixed issue that affected RFID usage in *Zebra Android 10* devices.
- Scanner (*Zebra Android 10*): Fixed issue affecting *Zebra* devices – the internal scanner’s beep was always enabled regardless of the defined configuration.
- Screens (*Windows*): Fixed issue that prevented the “Time Out” action from being triggered when the execution of an associated process took longer than the defined time out.
- Speech (*Android*): Fixed random ANR in speech projects.
- Speech (*Android*): Fixed random freezes in speech applications.
- System (*Samsung Android*): Fixed an issue that affected the activation of the KNOX license in devices with an *Android 7* or lower *Android* operating system.

8. *MCL-Client 4.10.82.26412* Update (P82)

8.1 Enhancements

- Added support for *MCL-Voice* in *Windows 10* based devices.

8.2 Bug Fixes

- Minor Bug Fixes.

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9. MCL-Client 4.10.80.26333 Update (P80)

9.1 New Devices

- ✓ DTL_MEMOR20_AD9
- ✓ ZBR_WT6300_AD10
- ✓ ZBR_TC52X_AD10
- ✓ ZBR_TC57X_AD10
- ✓ ZBR_VC80X_AD8

9.2 Enhancements

- Speech: Added support for *VC80x* (using a Bluetooth Headset).
- Speech: The Speech Control Panel has been revised including a redesign of the "Speech Setup" and "Calibration" pop-up windows. Now, the "Speech Setup" and "Speech Info" windows provide more speech information/options.
- Staging (*Zebra Android*): Now, *App Desktop* is able to process *StageNow* profiles. To do so, the "*.xml" file created by *StageNow* must be renamed with an ".mprf" extension and placed in the "<INSTALL>" folder.
- System: Added a new parameter to configure default "redirect_uri" through the Parameter Service.
- System (*Android*): Added support for 64 bits architecture in several Datalogic and Panasonic devices.
- Web Services (*Windows*): Added support for the receiving of binary content (= application/octet-stream). Previously, web service requests only accepted string content.

9.3 Bug Fixes

- *App Desktop (Windows)*: Fixed focus issue between *MCL-App Desktop* and *MCL-Client* which kept the focus on *MCL-App Desktop* after launching an *MCL* application.
- Controls (*Windows*): Fixed focus issue when starting the *MCL-Client* / *MCL-Simulator*.
- Controls (*Android*): Fixed potential crash that affected the use of Advanced List Box and/or Grid controls and *SQL* – the crash occurred when attempting to delete the current view.
- Controls (*Android*): Fixed issue that affected the background of the Combo Box control when an item's drop-down was expanded – it was dark instead of the expected white.
- RFID (*Android*): Fixed issue that affected the reading of RFID tags when the reading range was not specified – it would apply a default range of [-40; -10].

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- RFID (*Zebra Android*): Fixed an issue that affected RFID Tag Reading in *Zebra* devices – The “Tag Locate” process would inherit RFID settings from the previous RFID Tag Reading. **Ex:** If the previous RFID Inventory operation was set to be triggered by pressing a hardware trigger, the following RFID inventory would also adopt the pressing of the hardware trigger.
- Speech (*Panasonic AD9*): Fixed issue that affected the *Panasonic FZ-N1 AD9* device. The TTS volume would not change according to the values set by the operator.
- System (*Android*): Fixed issue that affected OAuth authorization when logging in to an Azure account – the URI being supplied in the OAuth request was wrong.
- System (*Windows*): Fixed issue that affected *MCL* aliases path definition.
- System (*Windows*): Fixed issue that caused some undefined system aliases to be registered incorrectly.
- System (*Windows*): Fixed issue that affected *MCL* aliases path definition.
- Web Services (*Windows*): Fixed issue that affected the “HTTP Request” process – it would receive Error 400 when the request’s body was defined with a variable and the header content was specified with a “gzip” encoding.
- Minor Bug Fixes.

10. *MCL-Client 4.10.60.26069* Update (P60)

10.1 New Devices

- ✓ M3M_M3US20X_AD10

10.2 New Features

- Controls (*Android*): Added support for the Web View control. This new control is used to display a website or the HTML content of a file (**ex:** a web page with instruction manuals, online forms) within the *MCL* application. *MCL-Designer 4.9.0.9-3824* (or higher) is required.

11. *MCL-Client 4.10.51.26040* Update (P51)

11.1 Enhancements

- License (*Windows*): Updated License Status on *MCL-Client* major upgrade (**ex:** 4.08P01 > 4.09P01).
- System (*Windows*): Faster Refresh after a keyboard input.
- System: Restructured *MCL-Client* for *Windows* (**ex:** *Windows 10* refactoring).

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11.2 Bug Fixes

- Alias (*Windows*): Changed location for the alias <OPERATORS>. Now, it is located in <MCL>\Operators instead of <VOICE>\Operators, due to admin rights restriction on the "Program Files" folder.
- Camera (*Windows*): Fixed issue that affected the displayed Camera information – the Camera Title is drawn according to the screen orientation and the Camera Icons/Resources are adapted to the "best fit to area" view.
- Camera (*Windows*): Fixed issue that caused an *MCL* crash when the *MCL* application attempted to use a Camera System Variable.
- Controls (*Windows*): Fixed issue that affected selection display in a Menu Button – it would display a selection that did not correspond to the current focus.
- Controls (*Windows*): Fixed issue that affected the display of listed elements within several Controls (**ex: Combo Box, Input Time**) when you attempted to scroll up/down.
- Processes (*Windows*): Fixed issue affecting the "Message Box" process (a Display Controls process) when it displays long text – its scroll bar is drawn with a specific style so it fits the screen/dpi.
- Speech (*Windows*): Fixed issue that caused a delay after a Voice Operator Login.
- System (*Windows*): Fixed an issue that prevented *MCL-Client* from retrieving the firmware version from the device.
- System (*Windows*): Fixed issue that affected the display of the Battery Icon in the screen's upper Tool Bar – it would not display the compatible icon state to the device's current power situation.
- System (*Windows*): Fixed issue related to file attributes which prevented full access to certain files.
- System (*Windows*): Fixed issue that sometimes prevented the "MCL_" prefix from being applied to the device platform code, if using a Generic *Windows MCL-Client* or *MCL-Agent*.
- System (*Windows*): Fixed issue that affected the use of some undefined system aliases.
- Minor bug fixes.

12. *MCL-Client 4.10.50.25913* Update (P50)

12.1 New Features

- Controls: Added support for new control named Video Player. This new control allows you to play local or online videos. *MCL-Designer 4.9.0.8-3822* (or higher) is required.

12.2 Bug Fixes

- Processes: Fixed issue in the "List Files & Directories" process which made it return incorrect/incomplete information.

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- Scanner (*Android*): Fixed issue that affected *MCL Engine* when using the device's scanner.
- Scanner (*M3 Android 8*): Fixed a crash on *M3 Android* devices caused by a delayed scanner initialization.
- *SQLite (Android)*: Fixed crash that occurred when using *SQLite* from UI and main thread concurrently.
- System (*Honeywell Android*): Fixed issue affecting the display of the *MCL* icon in certain *Honeywell* devices – it would be replaced with an *Android* image.
- Other minor bug fixes.

13. *MCL-Client 4.10.41.25803* Update (P41)

13.1 Enhancements

- *App Desktop*: Added parameter that can be used to prevent *MCL* from starting too early, meaning, when the device is still finalizing the Boot operation.

13.2 Bug Fixes

- Barcode/RFID (*Zebra* devices): Fixed a potential memory leak that occurred when the application exited to *MCL App Desktop*.
- Other minor fixes.

14. *MCL-Client 4.10.40.25770* Update (P40)

14.1 New Devices

- ✓ M3M_SL10K*_AD8

14.2 New Features

- Processes: New Process "List Files & Directories". This process is used to list the files contained in a device folder and place the list in a variable or file. *MCL-Designer 4.9.0.7-3768* (or higher) is required.

14.3 Enhancements

- *MCL Operator Login Application*: Version updated to 4.10.43.
- *MCL Operator Login Application*: Updated Greek Localization.

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- *MCL-Login Application*: Now, it is possible to disable the device's scanner via a parameter service.
- *MCL-Login Application*: Now, it is possible to define the TTS Speech's gender when logging in via a parameter service.

14.4 Bug Fixes

- *App Desktop (Android)*: Fixed crash caused by the use of a placeholder in the parameter "Desktop.Title".
- *Controls (Android)*: Fixed issue that affected the execution of the Auto-Trigger feature.
- *Controls (Android)*: Fixed an ANR issue caused by an Auto-Trigger loop which, in turn, affected the Grid control.
- *Controls (Android)*: Fixed issue that affected the Button control. There would be image issues if the control included an image referenced by a variable.
- *Controls (Android)*: Fixed issue that affected Button and Menu Button controls - the included dynamic images/text would not to be updated correctly.
- *MCL-Login Application*: Fixed issue that affected the Login app's configuration when using lower case in parameter values.
- *Processes*: Fixed issue that affected the sorting of files by date in certain *Filebox* related processes.
- *Scanner (Android)*: Fixed an issue that affected the hardware scanner trigger of an SM15X AD10 – it would not work properly.
- *Screens (Android)*: Fixed potential behaviour issues by disabling the *Android* functionality "Split Screen" for devices running *Android 7* and above.
- *SQLite*: Fixed random Lock Error that occurred when two threads were concurrently writing onto the same dataset of an SQLite Database.
- *System (Android 10)*: Fixed issue that caused a copy error when copying into the device's "<Shared>" and "<SD>" storage locations.
- Other minor bug fixes.

15. *MCL-Client 4.10.31.25605 Update (P31)*

15.1 New Devices

- ✓ DTL_MEMORK_AD9
- ✓ ZBR_TC21_AD10
- ✓ ZBR_TC26_AD10
- ✓ ZBR_MC2200_AD10
- ✓ M3M_SM15_AD8

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16. *MCL-Client 4.10.30.25562 Update (P30)*

16.1 Enhancements

- *MCL-Login Application*: Version updated to 4.10.42.
- *Controls (Android)*: Added support for the "0" constant as a default position in the "Menu Button" control.
- *System (Android)*: Added preventive measures to improve *MCL-Client Interpreter* stability.
- *Speech*: Added support for the "Arabic" language.

16.2 Bug Fixes

- *Controls (Android)*: Fixed issues affecting the selection in Menu Button controls:
 - selection would not disappear when the focus shifted to another control.
 - Auto-refresh selection would be lost when focus was set on the Menu Button control.
- *System (Zebra Android)*: Fixed an issue that caused instability in the *Zebra MX* features (Kiosk Mode, Silent Install, Set Date/Time, etc.).
- *SIP (Android)*: Fixed an issue where the numeric keyboard would sometimes overlap the text fields with focus.
- *System (Zebra Android devices)*: Fixed an issue in some *Zebra* devices that exposed the ESN as a long Base64 string.

17. *MCL-Client 4.10.20.25466 Update (P20)*

17.1 Enhancements

- *Processes*: Enhanced Variable Conversion - added the possibility to encode a variable's raw value into Base64 and decode from Base64 into a raw value.

17.2 Bug Fixes

- *App Desktop (Android)*: Fixed an issue that occurred when clicking an application icon. Now, the operator hears audio feedback when starting an application.
- *Controls (Android)*: Fixed an issue in the Menu Button control when using the Auto Refresh option.
- *Data Files (Android)*: Fixed a potential issue when deleting a Data File. The error condition was not triggered.
- *Kiosk Mode (Android)*: Fixed an issue that prevented the return to *App Desktop* when pressing the "recent apps" button.
- *Processes (Android)*: Fixed an issue that prevented the device from synchronizing Date and Time with the *MCL-Net* Host ("Host Services" branch – "Sync Date/Time with Host" process).

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- RFID Plugin (*Android*): Fixed a potential crash during the *Zebra RFD8500* initialization.
- RFID Plugin (*Android*): Fixed a sporadic ANR (Application not Responding) when using the *Zebra RFD8500*.
- Scanner (*Honeywell Android*): Fixed an issue that made some physical buttons unexpectedly trigger the scanner.
- Screens (*Android*): Fixed an issue that prevented the use of a key code to trigger the screen's Help function.
- SIP (*Android*): Fixed an issue that prevented the numeric SIP (Soft Input Panel) from being displayed.
- System: Fixed a potential *MCL-Client* crash caused by an *MCL-Tracer* session that requests large amount of data in a short period of time.
- System: Fixed a potential crash caused by a special character (\00) search in a string using the "Variable Remove" process.
- Other minor fixes.

18. *MCL-Client 4.10.02.25350* Update (P02)

18.1 New Devices

- ✓ PAN_FZA3_AD9

18.2 Enhancements

- *MCL -Login Application*: Version updated to 4.10.41.
- *MCL-Login Application*: Parameter was added to control the Headset's "Unpair mode" at Log out.
- *App Desktop (Android 8 or higher)*: Revised the behavior of *MCL/External Applications* when "Kiosk Mode" is enabled (Requires *MCL-Agent* version 4.10P02 and above):
 - Now, external apps can be started as expected when running Kiosk Mode in "device owner mode".
 - Apps that are meant to launch programmatically (when listed in a specific configuration file) or via shortcut icons in *App Desktop*, are automatically allowed to do so.

18.3 Bug Fixes

- Scanner: Fixed issue that prevented the use of the "<Default>" scanner profile.
- Toolbar: Fixed issue that resulted in the display of an incorrect 4G Network Signal level in the *App Desktop's* status bar and when running an application.
- Other minor stability fixes.

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19. *MCL-Client 4.10.01.25284* Update (P01)

19.1 New Devices

- ✓ CPH_RX25_AD9

19.2 Enhancements

- *App Desktop*: Now, it is possible to use more System Variables for the *App Desktop* title (**Ex:** "USR.*", "ADM.*" system variables). For more information, log in to our *MCL Knowledge Base* and access the related article [HERE](#).
- *App Desktop*: Now, if the ESN cannot be retrieved, for security reasons, the "ESN" entry of the "Device Info" screen is hidden (**ex:** [this can occur in generic devices](#)).
- Camera: Camera stability improvements.
- Devices: The *Cipherlab RK25* device allows you to use Keys "P1" and "P2" for "Hotkey" events.
- Remote Control: Added support for Remote Control outside the *MCL* environment in *Zebra* devices running *Android 8*.
- System: Added support for *Android 10*.
- System: Added support for Runtime permissions. Before, permissions were granted when the packages were installed. Now, permissions are given by the user when the application needs access to device features such as camera, microphone, GPS, etc.
It is possible to grant permissions to the user, beforehand, in the *App Desktop* menu ("Permissions" option).

19.3 Bug Fixes

- *App Desktop*: Fixed an issue that caused unwanted screen rotation when navigating between screens in the *App Desktop* environment (**ex:** "Device Info", "Staging").
- Barcode (*Android*): Enabled a different behavior – now, when a scanner profile name does not identify an existing profile, the scanner is disabled in the current control.
- Controls (*Android*): Fixed issue that prevented the "SetValue" from working properly when the related control's name did not respect *MCL-Designer's* naming rules.
- Controls (*Android*): Fixed issue that affected controls with formatted input fields – the "Active only if all inputs are valid" setting defined in Button controls was not immediately executed.
- Controls (*Android*): Fixed issue that explicitly set an input as "invalid" – this behavior was not consistent with the defined "Active only if all inputs are valid" setting.

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- Controls (*Android*): Fixed an issue that affected the Signature Capture control – it would, sometimes, be cleared after a screen change/resizing (**ex:** after a SIP popped up).
- Processes: Fixed issue that affected the Data File’s “Delete Record” process – it was jumping to “record not found” when the search criteria did not contain a “Where” field.
- Processes: Now, the Branch’s “Test & Branch” process with a “numeric comparison” can fall back to “string comparison” again, if the first operand is not numeric.
- Processes: Now, the Branch’s “Test & Branch” process with a “numeric comparison” can consider “empty” as “0”.
- Remote Control (*Android*): Starting with *Android 10*, initiating a Remote Screen session using “Android mode” requires systematic user approval.
- Speech: Fixed issue that could cause the defined Speech Output running in the foreground to prevent the next Speech Input.
- Speech: Fixed issues that caused crashes/freezes when a Speech Output ended and a Speech Input began and/or when a Speech Output started after an Operator/Language change.
- Speech: Fixed issues regarding Speech In/Speech Out synchronization.
- Speech (*Android*): Fixed an issue that prevented the operator to “Talk Over” the next speech output.
- Other minor stability and visual fixes.

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