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# BEAMEX bMobile

## RELEASE NOTE

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<b>Product</b> Beamex bMobile	<b>Version</b> Version 2, Revision 2.7.1
<b>Related Platforms</b> Android, iOS, Windows	<b>Release Date</b> 27 June 2022
<b>Short Description</b> Patch release	

## 16<sup>th</sup> release note

# Release note for the software update v.2.7.1

### Changes

1. Fixed an issue with weighing scale calibrations that was found in both CMX and bMobile. If additional weights were used in repeatability test, there could be a situation that led to a wrong pass/fail decision to be made. In CMX, this issue is fixed in version 2.13.3.
2. Fixed a rounding issue found in weighing scale calibrations. With certain value combinations, bMobile rounded the calculated error value incorrectly.

### Known Issues:

1. If the scaling setting is other than 100%, calibration point details are accessible via touch screen, but not with mouse click.
2. Network unavailable dialog is not displayed when no network is available, and user tries to login in LOGiCAL mode (iOS only).
3. iOS does not support UPC-A and UPC-E bar code formats

**- END OF 16<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> Beamex bMobile	<b>Version</b> Version 2, Revision 2.7.0
<b>Related Platforms</b> iOS	<b>Release Date</b> 02 February 2022
<b>Short Description</b> Introducing bMobile to iOS platform	

## 15<sup>th</sup> release note

# Release note for the software update v.2.7.0 (iOS version only)

### New features

1. Starting from version 2.7.0, bMobile application is available also on iOS platform. iOS version 13.0 or newer is required for the application to run.

### Changes

1. N/A

### Known Issues (iOS only):

4. Network unavailable dialog is not displayed when no network is available, and user tries to login in LOGiCAL mode.
5. iOS does not support UPC-A and UPC-E bar code formats

### Other Important Information:

**- END OF 15<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> Beamex bMobile	<b>Version</b> Version 2, Revision 2.7.0
<b>Related Products</b> Beamex CMX product family, version 2.12.6 Beamex Calibration Web Service Interface, Version 1.4.0 Beamex LOGiCAL, version 2.0.5 Update 1 Beamex LOGiCAL Sync application, version 2.0.7 Beamex Identity and Access Management, version 1.2.0	<b>Release Date</b> 20 December 2021
<b>Short Description</b> Software update for Beamex bMobile 2	

## 14<sup>th</sup> release note

### Release note for the software update v.2.7.0

#### New features

1. When a calibration repeat is saved and the time of repeat is set to be in past, the actual saving time is now also saved. This repeat save time is available in bMobile result history view and in CMX, starting from version 2.13.1. Note, that the restriction that was introduced in bMobile 2.6.0, where repeat time setting (backdating) was disabled if Mobile Security Plus is in use, is no longer in effect.
2. The reference's calibration certificate information is now supported by bMobile. This means that the LOGiCAL users who do save the reference calibration certificates and their respective validity dates to LOGiCAL, will have the corresponding information available in results synced from bMobile.

#### Changes

1. Reference selection changes
  - 1.1. CMX – if setting “Calibrator reference required when saving calibration” is in use, user must now select at least one module for each calibrator. If setting is not in use, all combinations are allowed.
  - 1.2. LOGiCAL – when a reference that originates from real calibrator (created to LOGiCAL through Sync) is used, at least one module must be selected for it.
  - 1.3. Fixed an issue with reference selection where on larger screen sizes it was hard to tell which module had been selected.
2. Weighing instrument related fixes:
  - 2.1. Fixed an issue with weighing instrument calibration: bMobile showed a PASS verdict in minimum weight test, when there were no input weights selected or input weight was set as 0.
  - 2.2. Fixed an issue where in some cases, bMobile showed the wrong unit for accuracy in USP41 instrument weighing test. It used engineering units when % of load should have been used.

3. Fixed an issue, where a failure (for example a network error) in sending instruments over CWSI would set instruments to be checked out in CMX, while bMobile would not receive them. Now all instruments that are sent and checked out in CMX until failure will be available in bMobile. Requires also CMX version 2.13.1 or later
4. Fixed an issue, where quotation marks in the unit name caused bMobile to crash.
5. Fixed an issue with barcode scanner. With larger number of instruments, home view is paginated and in that case a scan would produce empty pages if instrument was originally found from later pages.
6. Small fixes to user interface and translations.

**Known Issues:**

6. If the scaling setting is other than 100%, calibration point details are accessible via touch screen, but not with mouse click.

**Other Important Information:**

**- END OF 14<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> <b>Beamex bMobile 2</b>	<b>Version</b> <b>Version 2, Revision 2.6.2</b>
<b>Related Products</b> Beamex CMX product family, version 2.12.6x Beamex Calibration Web Service Interface, version 1.2.0 Beamex LOGICAL, version 2.0.4 Beamex Identity and Access Management, version 1.1.0	<b>Release Date</b> 24.6.2021
<b>Short Description</b> Software update for Beamex bMobile 2	

## 13<sup>th</sup> release note

### Release note for the software update v.2.6.2 (Android version only)

#### Changes

1. Fixed an issue where Android version upgrade did not handle application dependencies properly. This caused some Android devices to crash when starting a calibration.

#### Known Issues:

1. If the scaling setting is other than 100%, calibration point details are accessible via touch screen, but not with mouse click.

#### Other Important Information:

**- END OF 13<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> <b>Beamex bMobile 2</b>	<b>Version</b> <b>Version 2, Revision 2.6.1</b>
<b>Related Products</b> Beamex CMX product family, version 2.12.6x Beamex Calibration Web Service Interface, version 1.2.0 Beamex LOGiCAL, version 2.0.3 Beamex Identity and Access Management, version 1.1.0	<b>Release Date</b> 25 May 2021
<b>Short Description</b> Software update for Beamex bMobile 2	

## 12<sup>th</sup> release note

### Release note for the software update v.2.6.1

#### Changes

1. When Mobile Security Plus option is enabled, bMobile no longer allows backdating of results. This is implemented because the timestamp when the predated result is created is not saved together with the result. This is a temporary fix until a more comprehensive solution is implemented in Beamex products.
2. While implementing issue #1 an adjacent issue was discovered and fixed: Backdating of checklist results is now possible when mobile security plus option is disabled.
3. Fixed an issue where result synchronization could be halted if results had been previously uploaded but then removed from LOGiCAL. Removed results will now be re-uploaded to LOGiCAL if they have not yet been deleted from bMobile.

#### Known Issues:

1. If the scaling setting is other than 100%, calibration point details are accessible via touch screen, but not with mouse click.

#### Other Important Information:

**- END OF 12<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> <b>Beamex bMobile 2</b>	<b>Version</b> <b>Version 2, Revision 2.6.0</b>
<b>Related Products</b> Beamex CMX product family, version 2.12.5x Beamex Calibration Web Service Interface, version 1.2.0 Beamex LOGiCAL, version 2.0.3 Beamex Identity and Access Management, version 1.1.0	<b>Release Date</b> 09 March 2021
<b>Short Description</b> Software update for Beamex bMobile 2	

## 11<sup>th</sup> release note

### Release note for the software update v.2.6.0

#### New features

7. A new setting for deleting results after they have been received to LOGiCAL has been added.
8. LOGiCAL 2.0.3 version can now show what device has been used to document the calibration result. bMobile version 2.6.0 supports this functionality.
9. Sync functionality has been optimized to make it more efficient, especially when there are a lot of results.

#### Changes

1. Fixed an issue where all calibration results could not be synced back to LOGiCAL in certain scenario. This happened when an instrument was checked out for calibration from LOGiCAL and user calibrated the instrument and synced result back to LOGiCAL. User did not check out the instrument again but performed a new calibration for the instrument and tried to sync that result back to LOGiCAL. The latter result could not be synced back to LOGiCAL.

#### Known Issues:

1. If the scaling setting is other than 100%, calibration point details are accessible via touch screen, but not with mouse click.

#### Other Important Information:

**- END OF 11<sup>TH</sup> RELEASE NOTE -**



<b>Product</b> Beamex bMobile 2	<b>Version</b> Version 2, Revision 2.5.1
<b>Related Products</b> Beamex CMX product family, version 2.12.3x Beamex Calibration Web Service Interface, Version 1.2.0 Beamex LOGICAL, version 2.0.2 Beamex LOGICAL Sync application, version 1.0.2 Beamex Identity and Access Management, version 1.0.0	<b>Release Date</b> 11 January 2021
<b>Short Description</b> Software update for Beamex bMobile 2	

## 10<sup>th</sup> release note

# Release note for the software update v.2.5.1

### Changes

The following changes are relevant only for bMobile users, communicating with CMX:

- Fixed an issue related to Mobile Security Plus option in CMX. Even if the Mobile Security setting: "Restriction for undo and result deletion on mobile device" was set to blocked, it was still possible to remove all instruments from bMobile (including results). The issue has been introduced when version 2.3.0 was developed. Older versions work as expected.
- Fixed an issue with weighing instrument calibration: bMobile showed incorrect pass/fail verdict, if a repeatability test was performed with several different masses (e.g. 3 points with 200g and 3 points with 800g).

### Known Issues:

- If the scaling setting is other than 100%, calibration point details are accessible via touch screen, but not with mouse click.

### Other Important Information:

**- END OF 10<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> <b>Beamex bMobile 2</b>	<b>Version</b> <b>Version 2, Revision 2.5.0</b>
<b>Related Products</b> Beamex CMX product family, version 2.12.3x Beamex Calibration Web Service Interface, Version 1.2.0 Beamex LOGiCAL, version 2.0.2 Beamex LOGiCAL Sync application, version 1.0.2 Beamex Identity and Access Management, version 1.0.0	<b>Release Date</b> 09 December 2020
<b>Short Description</b> Software update for Beamex bMobile 2	

## 9<sup>th</sup> release note

### Release note for the software update v.2.5.0

#### New Features:

##### LOGiCAL related new features:

1. bMobile will indicate the user when a more recent version is required. This notification is provided when a user is trying to sync with LOGiCAL.
2. bMobile will prevent syncing if a user tries to sync more results than there are credits for. A notification is also provided for the user instructing to purchase more credits.
3. Synced instrument's plant structure is now shown in bMobile.

#### Changes

1. Environmental details (pressure and temperature) transferred to CMX or LOGiCAL are converted to kPa and °C respectively. In some cases, the conversion ends up with a lot of digits. In case that conversion is needed, number of digits is limited to 5.
2. When opening a link from notes (e.g. before calibration note) in bMobile's Windows version, the link is now opened in a separate browser instead of the bMobile application.
3. Syncing speed of large amount of data has been improved. This change relates to LOGiCAL only.

**Known Issues:**

1. If the scaling setting is other than 100%, calibration point details are accessible via touch screen, but not with mouse click.
2. Weighing instrument calibration: bMobile shows incorrect pass/fail verdict, if a repeatability test is performed with several different masses (e.g. 3 points with 200g and 3 points with 800g). This issue has existed in bMobile since version 2.1.0. This relates to using bMobile with CMX. This issue will be fixed in the next bMobile version.

**Other Important Information:**

**- END OF 9<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> <b>Beamex bMobile 2</b>	<b>Version</b> <b>Version 2, Revision 2.4.0</b>
<b>Related Products</b> Beamex CMX Professional, Version 2, Revision 2.11.814.0 Beamex CMX Professional FS, Version 2, Revision 2.11.824.0 Beamex CMX Enterprise, Version 2, Revision 2.11.824.0 Beamex Calibration Web Service Interface, Version 1.2.0 LOGiCAL, version 2.0.0 Beamex LOGiCAL Sync application, version 1.0.0 Beamex Identity and Access Management, version 1.0.0	<b>Release Date</b> 17 June 2020
<b>Short Description</b> Software update for Beamex bMobile 2	

## 8<sup>th</sup> release note

### Release note for the software update v.2.4.0

#### New Features:

1. bMobile now communicates with LOGiCAL
2. Error handling and logging are improved in case application should crash.

#### Changes:

1. Fixed an issue where a user was able to skip a test point even if he did not give a skipped note.
2. Fixed an error where bMobile threw a "white screen" when selecting a reference without module information
3. Fixed issue where it was possible to receive results from another database.

#### Known Issues:

1. If the scaling setting is other than 100%, calibration point details are accessible via touch screen, but not with mouse click.

#### Other Important Information:

**- END OF 8<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> <b>Beamex bMobile 2</b>	<b>Version</b> <b>Version 2, Revision 2.2.0</b>
<b>Related Products</b> Beamex CMX Professional, Version 2, Revision 2.11.814.0 Beamex CMX Professional FS, Version 2, Revision 2.11.824.0 Beamex CMX Enterprise, Version 2, Revision 2.11.824.0 Beamex Calibration Web Service Interface, Version 1.2.0	<b>Release Date</b> 24 January 2020
<b>Short Description</b> Software update for Beamex bMobile 2	

## 7<sup>th</sup> release note

# Release note for the software update v.2.3.0

### New Features:

3. Set the calibration time on bMobile. Until now, calibration time is always taken from the acceptance time of the last calibration point. When a result is being entered from for example a paper certificate received from outsourced calibration, done in the past, the actual calibration date can now be recorded while entering the result.
  - Requires CMX version 2.12 or newer.
  - When Mobile Security Plus -option is in use: Mobile user's possibility to edit the calibration time in bMobile is controlled via "Manual entry – calibration time edit" -permission in CMX.
4. Added PASSED, Adjust/ Do not Adjust -status into repeat summary page. Previously only PASSED or FAILED was shown.
5. Confirmation dialogue for individual result deletion has been added.

### Changes:

Following weighing instrument related corrections have been made:

4. (eccentricity, repeatability, weighing or minimum weight test) as left repeat was saved for any test type, the system blocked execution of other test types, preventing the full execution of calibration.
5. bMobile did not warn the user when an overdue weight set was being selected.
6. Corrected an issue with minimum weight test feature, where bMobile did not follow the test rules properly. In minimum weight test, less than 10 test points automatically constitute a failed result. bMobile did not take this into account and considered tests with less than 10 accepted test points to be passed.

### Known Issues:

2. If the scaling setting is other than 100%, calibration point details are accessible via touch screen, but not with mouse click.

### Other Important Information:

1. As a teaser for things to come, LOGiCAL mode selection is visible when starting bMobile application for the first time but there is no visible functionality

2. Error limit “% of rate” is not supported by bMobile 2. It has not been possible to create an instrument with this error limit in CMX if it has been taken into use with version 2.6 or later. The functionality still exists in CMX if the database was created with a version prior 2.6 and the error limit % of rate was used before converting the database to 2.6 or newer.

**- END OF 7<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> Beamex bMobile 2	<b>Version</b> Version 2, Revision 2.2.1
<b>Related Products</b> Beamex CMX Professional, Version 2, Revision 2.11.714.0 Beamex CMX Professional FS, Version 2, Revision 2.11.724.0 Beamex CMX Enterprise, Version 2, Revision 2.11.724.0 Beamex Calibration Web Service Interface, Version 1.2.0	<b>Release Date</b> 23 May, 2019
<b>Short Description</b> Software update for Beamex bMobile 2 for Android only	

## 6<sup>th</sup> release note

### Release note for the software update v.2.2.1

#### New Features:

1. NA

#### Changes:

1. Android devices now also use native camera component which improves the performance significantly. A platform update caused the barcode reader to suddenly become very slow in some Android devices. Note! Due to the camera component change, UPC-A barcode format is no longer supported with Android devices.

#### Known Issues:

1. It is recommended that the application is closed after calibrations and is not left running when not in use. This is due to a small memory leakage in the underlying 3<sup>rd</sup> party libraries used by the application. Unfortunately, the memory leak in the underlying libraries have not been corrected in time for this release. The problem will occur on average when more than 50 instruments are being calibrated without closing the application in between, depending on the used hardware.

#### Other Important Information:

1. Error limit “% of rate” is not supported by bMobile 2. It has not been possible to create an instrument with this error limit in CMX if it has been taken into use with version 2.6 or later. The functionality still exists in CMX if the database was created with a version prior 2.6 and the error limit % of rate was used before converting the database to 2.6 or newer.

**- END OF 6<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> <b>Beamex bMobile 2</b>	<b>Version</b> <b>Version 2, Revision 2.2.0</b>
<b>Related Products</b> Beamex CMX Professional, Version 2, Revision 2.11.714.0 Beamex CMX Professional FS, Version 2, Revision 2.11.724.0 Beamex CMX Enterprise, Version 2, Revision 2.11.724.0 Beamex Calibration Web Service Interface, Version 1.2.0	<b>Release Date</b> 26 April, 2019
<b>Short Description</b> Software update for Beamex bMobile 2	

## 5<sup>th</sup> release note

# Release note for the software update v.2.2.0

### New Features:

1. bMobile now supports Multiple and Asymmetric error limits. Note: Requires upcoming CMX 2.12 or newer.
2. If a note field contains an URL, it is now recognized as a clickable link.
3. It is now possible to mark a test point as abnormal. An abnormal test point will be regarded as a failed point.
4. Reference selection has been enhanced to provide a clearer workflow for the user
  - User interface for the reference selection has been modified
  - Reference selection in switch calibration. By default, the same references are used for set and reset points. If needed, a user can define different references for set and reset points.
5. New settings
  - Show barcode reader. It is possible to show/hide the barcode reader in the user interface
  - Reference Selection. A new setting for the default value in reference selection. Available options are:
    - *All points*. The references selected for the first point will automatically be used throughout the calibration.
    - *This point*. User must select used references for each calibration point.
    - *Not defined*. Before being able to choose references, user must first decide between *All points* and *This point*.

### Changes:

1. Correction to reference due dates when in demo mode
2. If required resolution is in use then nominal points are now formatted according to the resolution.
3. If Mobile Security is enabled and the user does not have rights to delete results, then a "Supervisor credentials are required to perform this action" message is shown.
4. Enhancements to barcode reader in Windows application.
5. Default settings for Backend are updated to use [connect.beamex.com](https://connect.beamex.com), a public cws service made available to Beamex customers. For more information, please contact [support@beamex.com](mailto:support@beamex.com)



6. The calibrator is not indicated as overdue if an external module is overdue.
7. UI related changes:
  - 7.1 A confirmation dialog is added when deleting all instruments and results.
  - 7.2 The UI text Instruments is renamed to Functions
  - 7.3 The UI text *Name* is renamed to *User*
  - 7.4 SI unit symbols can now be translated.
  - 7.5 The functions grouping summary is now shown even if group is empty.
  - 7.6 Back button will not "accept" calibration points in Android version anymore
  - 7.7 The same zoom levels are now available regardless of screen orientation.
  - 7.8 Corrected that barcode reader becomes small when zoom level is 130%.
  - 7.9 Corrected that checklist pass/fail/skip selectors become pixelated in smallest zoom level.
  - 7.10 Corrected that "Clear" does not clear barcode scan results but re-opens the instrument.
  - 7.11 Corrected that History view columns aren't aligned if language is zh-cn and instrument is weighing.
8. Graph changes
  - 8.1 The graph now uses new improved colors.
  - 8.2 Corrections to point indicators in the graph.
  - 8.3 Corrected graph scaling issue in vertical view.
  - 8.4 Corrected that Y axis in Weighing error graph was hard coded to Input Error.
9. Weighing instrument related changes
  - 9.1 Enhancements to weight set and weight selection.
  - 9.2 Correction to USP41 rules. Repeatability test requires input weight to be between 5-100% of the weighing instrument's range.
  - 9.3 Corrected usage of tare weight and additional weight.

**Known Issues:**

1. It is recommended that the application is closed after calibrations and is not left running when not in use. This is due to a small memory leakage in the underlying 3<sup>rd</sup> party libraries used by the application. Unfortunately, the memory leak in the underlying libraries have not been corrected in time for this release. The problem will occur on average when more than 50 instruments are being calibrated without closing the application in between, depending on the used hardware.

**Other Important Information:**

1. Error limit "% of rate" is not supported by bMobile 2. It has not been possible to create an instrument with this error limit in CMX if it has been taken into use with version 2.6 or later. The functionality still exists in CMX if the database was created with a version prior 2.6 and the error limit % of rate was used before converting the database to 2.6 or newer.

**- END OF 5<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> Beamex bMobile 2	<b>Version</b> Version 2, Revision 2.1.1
<b>Related Products</b> Beamex CMX Professional, Version 2, Revision 2.11.614.0 Beamex CMX Professional FS, Version 2, Revision 2.11.624.0 Beamex CMX Enterprise, Version 2, Revision 2.11.624.0 Beamex Calibration Web Service Interface, Version 1.2.0	<b>Release Date</b> 21 December, 2018
<b>Short Description</b> Software update for Beamex bMobile 2	

## 4<sup>th</sup> release note

### Release note for the software update v.2.1.1

#### New Features:

1. bMobile now supports instrument functions where either input or output range is zero. CMX 2.11.6 or newer is required to send these instruments to bMobile.
2. bMobile now supports instrument procedures where error limit is equal to zero. CMX 2.11.6 or newer is required to send these instruments to bMobile.
3. bMobile now supports instrument functions where output category is readout (digital or analog) and method is measured. CMX 2.11.6 or newer is required to send these instruments to bMobile.

#### Changes:

1. Fixed an issue where input resolution for input points was not correctly sent back to CMX for Weighing Instrument calibration if the substitution load had been entered as a whole number.
2. Fixed an issue where due date for an instrument was presented incorrectly (off by one day) if bMobile was run on a device in a time zone with a positive UTC offset.
3. Fixed an issue where error limit was treated as zero if an input point was smaller than any of the MPE ranges when calibrating a weighing instrument.
4. Fixed an issue where bMobile could incorrectly indicate a failed result for a calibration point even though it was passed. A calibration could be affected by this issue when all of the following criteria were met:
  - a. Procedure had **Combined Error Limit** (Reject If Relative (%) greater than zero) and
  - b. Error was calculated from **Input** or **Projected Input** and
  - c. **Input** value differed from **Nominal** value and
  - d. **Calculated Error** was near the error limit
5. Fixed an issue where bMobile could crash after upgrading from version 2.0. This issue was present only on Android.

6. Fixes several issues with accessing the mobile camera on Android devices

**Known Issues:**

1. It is recommended that the application is closed after calibrations and is not left running when not in use. This is due to a small memory leakage in the underlying 3<sup>rd</sup> party libraries used by the application. Unfortunately, the memory leak in the underlying libraries have not been corrected in time for this release. The problem will occur on average when more than 50 instruments are being calibrated without closing the application in between, depending on the used hardware.
2. The legend for Y axis in the Error Graph for Weighing Instruments will always have the title "Input Error" regardless of where the errors are calculated from.

**Other Important Information:**

1. Error limit "% of rate" is not supported by bMobile 2. It has not been possible to create an instrument with this error limit in CMX if it has been taken into use with version 2.6 or later. The functionality still exists in CMX if the database was created with a version prior 2.6 and the error limit % of rate was used before converting the database to 2.6 or newer.
2. Tare Weight and Additional Weight doesn't work as expected when calibrating weighing instruments. These fields have now been hidden for weighing instruments. We will investigate this issue further and re-enable these fields in an upcoming version.

**- END OF 4<sup>TH</sup> RELEASE NOTE -**

<b>Product</b> <b>Beamex bMobile 2</b>	<b>Version</b> <b>Version 2, Revision 2.1.0</b>
<b>Related Products</b> Beamex CMX Professional, Version 2, Revision 2.11.514.0 Beamex CMX Professional FS, Version 2, Revision 2.11.524.0 Beamex CMX Enterprise, Version 2, Revision 2.11.524.0 Beamex Calibration Web Service Interface, Version 1.2.0	<b>Release Date</b> 16th November, 2018
<b>Short Description</b> Software update for Beamex bMobile 2	

### 3<sup>rd</sup> release note

## Release note for the software update v.2.1.0

#### New Features:

1. Number Editor – A new number editor has been introduced. This replaces the virtual keyboard when entering numerical values in bMobile.
2. Zoom level – bMobile now supports scaling the user interface by introducing a new setting called Zoom level.
3. Date Format selection – bMobile now supports changing the date format used by introducing a new setting called Date Format.
4. Show Graph setting – bMobile now supports changing whether the error graph should be visible or not during calibration.
5. Windows Desktop Application – On Windows, the application is now a Windows Desktop App instead of a Windows Store App. Therefore, at this point, bMobile 2.1.0 isn't available through Windows Store, instead it is available through Beamex Download Center (<https://www.beamex.com/download-center/>), including also separate instructions for upgrading the Windows Application.
  - Windows Desktop App allows distribution of the application with pre-configured settings within large enterprises.
6. Warn if reference is overdue – bMobile now warns when a reference's due date has passed.
  - Warning is hardcoded in bMobile to be always on, as currently CMX setting "Warn if reference is overdue" -setting is not transferred to bMobile.
  - Requires that calibrated date, interval and due date fields have been filled for references in CMX.
7. Mobile Security Plus enhancement - Application settings are now locked for non mobile admin users if Mobile Security Plus is enabled in CMX.

8. Barcode / QR-code Reader – bMobile now introduces a code scanner for ease of finding instrument for calibration. bMobile supports the following code types:
  - QR
  - EAN 128
  - CODE 128
  - UPC-A

### Changes:

1. Reference selection has been made more intuitive.
2. Result History view is now accessible by clicking on the result icon in the instrument list.
3. Repeat type is now added to the overall result view.
4. Unstable indicator is now shown in summary view for Maximum Found Error and Most Significant Error if the reading was unstable.
5. Performance improvements.
6. User Interface improvements.
7. Fixed an issue where timestamps with negative UTC offsets were transferred incorrectly to CMX.
8. Fixed an issue where calibrations were incorrectly set to “in-progress” state even though no calibrations points had been accepted yet by proceeding to the following calibration point.
9. Fixed an issue where Weighing Instrument calibration would allow the user to save As Found repeat after an As Left had been saved.
10. Fixed an issue where it was sufficient to only select a calibrator, and not a module, even though calibration required references to be specified.
11. Fixed scroll position when paginating through a list of instruments. Now the scroll position always goes back to the top after a page is changed.
12. Fixed an issue where OK and Cancel buttons would disappear behind the virtual keyboard when entering calibration notes.
13. Fixed an issue where a Checklist progress would indicate completed even though it had not been started.
14. Fixed an issue where charts would eat mouse scroll wheel events on Windows.
15. Fixed an issue where bMobile would crash if duplicate Check ID’s were used within a Checklist group.
16. Fixed an issue where communication would stop if application was minimized.
17. Fixed an issue where nominal input points were not always represented as entered in CMX.
18. Fixed an issue where an inactive procedure caused a failure in the instrument sending process, leading to a situation where user list was not sent to bMobile. bMobile now prevents user from accessing instruments if no users are found. The application also informs the user that the synchronization failed and that a new synchronization attempt should be made.

**Known Issues:**

1. It is recommended that the application is closed after calibrations and is not left running when not in use. This is due to a small memory leakage in the underlying 3<sup>rd</sup> party libraries used by the application. Unfortunately, the memory leak in the underlying libraries have not been corrected in time for this release. The problem will occur on average when more than 50 instruments are being calibrated without closing the application in between, depending on the used hardware.
2. When using substitution load during a weighing instrument calibration, it is recommended that the substitution load value is entered as a decimal number. Entering the value as a whole number will result in a situation where the resolution is not sent correctly back to CMX.

**Other Important Information:**

1. Error limit “% of rate” is not supported by bMobile 2. It has not been possible to create an instrument with this error limit in CMX if it has been taken into use with version 2.6 or later. The functionality still exists in CMX if the database was created with a version prior 2.6 and the error limit % of rate was used before converting the database to 2.6 or newer.

**- END OF 3<sup>RD</sup> RELEASE NOTE -**

<b>Product</b> Beamex bMobile 2	<b>Version</b> Version 2, Revision 2.0.1
<b>Related Products</b> Beamex CMX Professional, Version 2, Revision 2.11.414.0 Beamex CMX Professional FS, Version 2, Revision 2.11.424.0 Beamex CMX Enterprise, Version 2, Revision 2.11.424.0 Beamex Calibration Web Service Interface, Version 1.2.0	<b>Release Date</b> 08th August, 2018
<b>Short Description</b> Software update for Beamex bMobile 2	

## 2<sup>nd</sup> release note

### Release note for the software update v.2.0.1

#### New Features:

1. Czech and Slovak language support have been added.

#### Changes:

1. -

#### Known Issues:

1. It is recommended that the application is closed after calibrations and is not left running when not in use. This is due to a small memory leakage in the underlying 3<sup>rd</sup> party libraries used by the application. Unfortunately, the memory leak in the underlying libraries have not been corrected in time for this release. The problem will occur on average when more than 50 instruments are being calibrated without closing the application in between, depending on the used hardware.
2. Certain Android keyboards, when in numeric mode, do not contain a dot. In such case a keyboard containing the missing character (e.g. Gboard – the Google Keyboard) can be installed from Google play.
3. The time format will not change according to the system time format on certain Android devices. Note. This will not affect the time format displayed in CMX.
4. While the application is in connected state, it must not be minimized. Communication might be interrupted or fail if minimized.
5. The virtual keyboard on Windows tablets can pop-up on top of the application, which prevents user from advancing to the next calibration point.
6. The result view cannot be scrolled from the chart area on Windows.

7. On smaller screens, the graph y axis title may not be completely visible, if the text is long.

**Other Important Information:**

1. Error limit “% of rate” is not supported by bMobile 2. It has not been possible to create an instrument with this error limit in CMX if it has been taken into use with version 2.6 or later. The functionality still exists in CMX if the database was created with a version prior 2.6 and the error limit % of rate was used before converting the database to 2.6 or newer.

**- END OF 2<sup>ND</sup> RELEASE NOTE -**



<b>Product</b> <b>Beamex bMobile 2</b>	<b>Version</b> <b>Version 2, Revision 2.0.0</b>
<b>Related Products</b> Beamex CMX Professional, Version 2, Revision 2.11.214.0 Beamex CMX Professional FS, Version 2, Revision 2.11.224.0 Beamex CMX Enterprise, Version 2, Revision 2.11.224.0 Beamex Calibration Web Service Interface, Version 1.2.0	<b>Release Date</b> 12th April, 2018
<b>Short Description</b> Initial release of Beamex bMobile 2	

## Release Notes for Beamex bMobile 2

Initial release.

**Beamex bMobile 2** is a mobile application, providing users the possibility to execute and document all types of calibrations and maintenance inspections. The application works seamlessly with CMX. Instruments are created and maintained in CMX and sent to the application. Calibrations and maintenance checks are performed offline and once ready, the results are transferred back to CMX and saved in the CMX database.

Data integrity has been carefully taken into account and the Beamex bMobile 2 supports the features provided by the CMX Mobile Security Plus option.

Beamex bMobile 2 communicates with CMX via a CWSI (Common Web Service Interface) server. This requires the application to be installed on a network enabled device that can connect to the CWSI server.

The application contains a Demo mode with a set of different instrument types, which allows users to evaluate the application without installing and using CMX and CWSI at all. The data created in the Demo mode is erased when exiting the Demo mode.

### System requirements:

- 4" screen size
- Network connectivity
- Minimum recommended hardware:
  - Android 5.1 or later
    - Quad-core 2.5 GHz Krait 400
    - 16 GB storage / 3 GB RAM
  - Windows 10
    - Intel® Quad-Core Atom processor, Z3795
    - 128GB storage / 4GB RAM

- With above mentioned devices, there should not be any significant performance reduction when a device contains 50 instruments, 200 references, 30 users and 15 results. Less performant devices will work but can slow down.

### **New Features:**

1. Manual entry tool for Conventional -, Switch -, Weighing – and Checklist types of instruments.
2. Support for Mobile Security Plus features.

### **Changes:**

1. -

### **Known Issues:**

1. It is recommended that the application is closed after calibrations and is not left running when not in use. This is due to a small memory leakage in the underlying 3<sup>rd</sup> party libraries used by the application. Unfortunately, the memory leak in the underlying libraries have not been corrected in time for this release. The problem will occur on average when more than 50 instruments are being calibrated without closing the application in between, depending on the used hardware.
2. Certain Android keyboards, when in numeric mode, do not contain a dot. In such case a keyboard containing the missing character (e.g. Gboard – the Google Keyboard) can be installed from Google play.
3. The time format will not change according to the system time format on certain Android devices. Note. This will not affect the time format displayed in CMX.
4. While the application is in connected state, it must not be minimized. Communication might be interrupted or fail if minimized.
5. The virtual keyboard on Windows tablets can pop-up on top of the application, which prevents user from advancing to the next calibration point.
6. The result view cannot be scrolled from the chart area on Windows.
7. On smaller screens, the graph y axis title may not be completely visible, if the text is long.

### **Other Important Information:**

1. Error limit “% of rate” is not supported by bMobile 2. It has not been possible to create an instrument with this error limit in CMX if it has been taken into use with version 2.6 or later. The functionality still exists in CMX if the database was created with a version prior 2.6 and the error limit % of rate was used before converting the database to 2.6 or newer.

**- END OF RELEASE NOTE -**