TacticID Mobile Software TOS-XM 2.1.1371 Release Note

Date of Release: 3/15/2023

This document provides release notes for software supporting the TacticID Mobile handheld Raman spectrometer. This release notes details the changes incorporated into the release version of TOS-XM 2.1.1371

Compatibility Chart

Matching versions of TID21 and TOS-XM system need to be used:

Software Version	TOS-XM 2.0.1343	TOS-XM 2.1.1371
TID21 1.01.78.1	Compatible	Compatible
Illicit Library 41.f	Not Compatible	Compatible

Key changes to TOS-XM:

1. Implemented a new naming system for Request files and License files are implemented to provide clear information of the license.
    a. New naming system for these files are (file type)_SN_Timestamp. timestamp format is YYYYMMDDHHmmSS.
2. Implemented a new function to select from multiple request and license files when importing files to and from an OTG device
3. Added a performance validation expiration option to expire after every scan. Once enabled, user need to pass performance validation before each scan.
4. Changed the default library to Illicit library, which contains more than 2800 entries including common chemicals, narcotics and drugs.
5. Changed default preset spectral range upper-limit to 2000
6. Fixed an issue where opening a sample spectrum, then viewing history would cause the system to crash
7. Fixed an issue when making a scan in Chinese mode, the location would not display
8. Fixed an issue where scans could not be added to a library
9. Fixed an issue with renaming a library causes TOS-XM to crash
10. Fixed an Issue where if a Raman shift range is left blank in operation preset, TOS-XM will crash
11. Fixed an issue where the system would freeze when backing up
12. Fixed an issue where auto-backup does not work
13. Fixed an issue where operation preset names could be named repetitively
14. Fixed a display issue where entry details are cut off or not correctly displayed
15. Fixed issue where CWA library entries are editable
16. Fixed issue where operation presets became available without the necessary libraries that should make them available

17. Fixed issue where re-enabling an account does not reset its password
18. Fixed issue where multiple presets could be wiped at the same time and cause a crash
19. Changed performance validation graph from European format to US format
20. Fixed issue where user is unable to access sound settings
21. Fixed issue where operator is able to rename and delete libraries

Update Instructions:

1. Diret updates are available from previous version. User can use OTG or TID21 to update the software. For detailed steps, please refer to the user manual.

2. After updating the software, user need to click home button, select TOS-XM as the app to open and choose "as always".

TacticID Mobile Software TOS-XM 2.1.1343 and TID21 1.01.78.1 Release Note

Date of Release: 12/20/2021

This document provides release notes for software supporting the TacticID Mobile handheld Raman spectrometer. This release notes details the changes incorporated into the release version of TOS-XM 2.1.1343 and TID21 1.01.78.1

Compatibility Chart

Matching versions of TID21 and TOS-XM system need to be used:

Software Version	TOS-XM 2.0.1048	TOS-XM 2.1.1343
TID21 1.01.77.18	Compatible	Not Compatible
TID21 1.01.78.1	Not compatible	Compatible

Multi-language notice:

This release is the initial multilanguage release for the TOS-XM software, which includes support of these languages for the listed functional modules. We encourage our distributors to provide feedback on the translation and functionalities for future multi-language updates.

Category	TOS-XM Main interface	Scan Result	Library Display	Scan Report	Performance Validation Report	TID21
English	Yes	Yes	All	Yes	Yes	Yes
Simplified Chinese	Yes	Yes	CNESP, DRG	Yes	Yes	Yes
Traditional Chinese	Yes	Yes	CNESP, DRG	Yes	No	Yes
Spanish	Yes	Yes	CNESP, DRG	Yes	No	Yes
Japanese	Yes	Yes	No	Yes	No	Yes
Korean	Yes	Yes	No	Yes	No	Yes
German	Yes	Yes	No	Yes	Yes	Yes
French	Yes	Yes	CNESP, DRG	Yes	Yes	Yes
Turkish	Yes	Yes	No	No	No	No
Polish	Yes	Yes	No	Yes	Yes	Yes
Italian	Yes	Yes	No	Yes	No	No
Portuguese	Yes	Yes	No	Yes	No	No

Key points for TOS-XM:

1. Added multi-language support of a total of 12 different languages to the TOS-XM main interface.

2. Added License function to provide license for software update, library update, functionality customization.

3. Re-organized the menu structure for settings. Settings are grouped into the General and Advanced categories.

4. Added a "5 minutes" option for performance validation expiration frequencies

5. Added two default operation presets "Narcotics and Hazmat" for brand new software installations. These operation presets have specific libraries and configurations dedicated for narcotic identifications or Hazmat situations.

6. Added Laser Power Unit and Interval adjustment under Advanced settings. Users can now adjust laser adjustment intervals in 1%, 5%, 10%, or in mW.

7. Added auto-focus function for the camera.

8. Added a function in Advanced – Options to turn off/on the back fan on demand. The default is set to on.

9. Added a function in Advanced – Options to turn off/on the camera on demand. The default is set to on.

10. Changed the default operation preset's minimum HQI to 70, number of hits to 1. Changed the default operation preset's name to "Standard"

11. Changed the name "Diagnostics" to "Status"

12. Corrected the last digit of the NFPA display in the scan result screen.

13. Fixed the bug that searching using CAS in library view may cause software crash.

14. Fixed the bug that unplugging the USB drive while it is in use may cause software crash

15. Fixed the bug that selected operation preset cannot be renamed.

16. Fixed a bug that could lead to significant security issues.

Key points for TID21:

1. Fixed a bug that will cause the software to freeze during the synchronization process.

2. Slightly changed the hover effect color for better visual performance.

Special Update Message:

Due to a potential security issue related to the previous package and the newly implemented license features, it is mandatory that this update be performed by trained service engineers/personnel. The general procedure of getting a software license can be referred from 400000440-A Service Note-How to Request and Update Handheld License External

For the TOS-XM update, please refer to 240000820 TOS-XM Update Instruction for the detailed step-by-step update guide.

For the TID21 update, the user can directly update by right clicking the "setup" application and running it as an administrator. After the update, the user will need to log in as "IT ADMIN" and enter the MySQL password to reconfigure the database.

TacticID® Mobile Software TOS-XM version 2.0.1048 Patch Release Note

Date of Release: 06/02/2021

This document provides release notes for software supporting the TacticID Mobile handheld Raman spectrometer. These release notes detail the changes incorporated into the release version of TOS-XM 2.0.1048

Compatibility Chart

Matching versions of TID21 and TOS-XM system need to be used:

Software Version	TOS-XM 2.0.1048
TID21 1.01.77.18	Compatible

Key points for TOS-XM:

1. Fixed the issue that when the location is turned on, sometimes the location may not display any result.

Special Update Message:

1. This patch is not available for direct update by the end user. Please contact B&W Tek if you would like to apply this patch.

TacticID® Mobile Software TOS-XM 2.01.983 and TID21 1.01.77.18 Release Note

Date of Release: 04/12/2021

This document provides release notes for software supporting the TacticID Mobile handheld Raman spectrometer. These release notes detail the changes incorporated into the release version of TOS-XM 2.01.983 and TID21 1.01.77.18

- TOS-XM supports the TacticID Mobile handheld device
- TID21 is the PC-based software that supports data management for TacticID Mobile and TacticID-1064

Compatibility Chart

Matching versions of TID21 and TOS system need to be used:

Software Version	TOS-XM 2.01.983	TOS-1064 2.01.159.0
TID21 1.01.77.18	Compatible	Compatible

Key points for TOS-XM:

1. Software on the device is named as TOS-XM;
2. Normal mode scan application is fully implemented. ST mode is not applicable to TacticID Mobile.
3. Performance validation function is implemented. The Raman shift criteria is defined according to EP 2.2.48 Raman Spectroscopy.
4. The current release supports data communications via Wi-Fi and USB.
5. OTG function available to export scan reports in pdf and csv format. The OTG function also allows spectrum import and software updates.
6. User can view BWTEK libraries and create, edit and delete their own libraries.
7. Location tracking information is available after scan.
8. English language is supported at this time.

Key points for TID21:
1. This is the first release of TID21. It has inherited the user interface of TID EX. It uses MySQL as the database backbone as does TID EX.
2. Users can select their device before logging in to the TID21 database.
3. The TacticID-1064 and TacticID Mobile databases are separate.

Known issues TOS-XM:

1. Sometimes user might see messages of "Select a Home app, TOS-XM or Launcher". In this case, choose the TOS-XM app and select "ALWAYS".
2. If Wi-Fi and locations are enabled, sometimes user might see messages from Google for permission to improve location data. Please select "Disagree".
3. User might not be able to access a submenu if they are already in a different submenu or in scan history. In this case, press the triangle back key to return to the home screen, then access the submenu.
4. There is no direct library transfer function available for the initial release. As an alternative, user can select multiple spectra to load to a library using the import function through OTG, then configure the spectra details accordingly.
5. The built-in "ADMIN" account password does not expire, while all other accounts do.
6. When changing the operation preset, when you change the library and go back to settings screen, this will reverse other settings. In this case, change the library first then configure the rest of the operation preset.
7. The Bluetooth function is reserved for next release.

Known issues TID21:

1. If a user has both TacticID-1064 series and TacticID Mobile, and have TID EX installed, we recommend the user uninstall TID EX first, then use TID 21 exclusively. Uninstall TID EX after the installation of TID21 might cause issues to access TacticID-1064 database on the PC.