

BWID® Release Notes

BWID® Spectral Identification Software version 2.04_17

1. Purpose

This document describes changes in the following new BWID® software version in comparison with the previous versions.

- New: 2.04_17
- Previous: 2.04_15 (2024/02/09 release)

2. Software description

BWID® is software for data acquisition and material identification and verification with B&W Tek Raman spectrometers using user-defined libraries, B&W Tek-licensed libraries, and/or third-party libraries sold by B&W Tek. It includes specialized see-through identification (STID) specific to the STRam® instruments. Details on the theory and use of the BWID® can be found in the BWID® documentation that comes as part of the installation of the software, and can be accessed from the online help section in the installed

software accessible through the  button.

There are also demo Raman USP libraries included with the software stored in the C:\BWIDDemoLib folder.

3. New Features and Enhancements

1. For newly generated ID results files (BWL and SPC), the file name will include status suffix (Pass or Fail) in addition to product number and/or product name, if the parameters were provided as the user input. File name template: ID_YYYYMMDDHHMMSS_ProductNumber_ProductName_Status, where product number and product name are optional.
2. Summary ID report implemented.

4. Bug Fixes

1. Incorrect performance test status shown in ID report.
2. Scanning issue when creating a library with STRam-1064 in case the end of the library range exceeds the instrument Raman shift range.
3. In a PVR reference file creation, collected spectrum displayed in the graph is not ratio3 corrected.

5. Known bugs

1. On older systems, the interlock status may not be read correctly, and the program may show interlock unplugged message while the interlock is plugged-in and vice versa.
2. ID reports printed to a PDF file in a batch may have very small graphs due to the Windows display settings set to more than 100% for scale and size. It does not affect printing a single report to a PDF file.
3. In a summary ID report preview and printout, there is an extra space at the bottom of a line with ID result when there are two or more fields that are expanded to two lines.