

# REFLEX IQ-LOGGER™

## New and Updated Features

May 2019



- With the V1.2.2 and V1.2.3 updates, the database is now stored in a central folder location that is accessible by all users.
- **WARNING: When upgrading the software the user installing the upgrade has the option of migrating their existing data to the new folder location.**
- **If other users log into the computer using a different login, then their data WILL NOT BE MIGRATED and so will not be accessible after the upgrade.**
- **It is critical that other users back up their measurements, either by syncing to the IMDEXHUB-IQ or locally exporting to a CSV file BEFORE this upgrade is installed.**
- The application is able to be seamlessly upgraded from version 1.0.30 of the application, taking care to ensure all users have backed up their data. Any version prior to 1.0.30 does not have a compatible database and all data needs to be backed up prior to update.
- Download the new version of the software from downloads tab on the REFLEX IQ-LOGGER™ webpage (<http://reflexnow.com/reflex-IQ-LOGGER™/#page-tabs|4> )
- If you are upgrading from version 1.0.30 and later, simply install the software, to update your existing installation.
  - As a precaution ensure that you have synced all your readings to IMDEXHUB-IQ before updating the software.
- To upgrade REFLEX IQ-LOGGER™ versions prior to 1.0.30, follow the instructions on the next page.

- Improvements:
  - Updated Contact Support workflow. Users now don't have to have an email client installed on their PC to contact support.
- Bug fixes:
  - Structure Dip/Plunge direction is now calculated correctly for upwardly inclined drillholes.
  - Resolved IMDEXHUB sync issues due to missing system dll files.
  - Resolved transaction time differs from system time due to time zone offsets.

- **New Features**
- Core alignment improvements.
  - Orientation line positions can now be changed part way through a hole. Historical measurements will not be recalculated.
  - Orientation line positions can now be edited for individual measurements in the verification screen and measurements recalculated.
  - New “No Line” core alignment option. This allows only the alpha angle of a planar feature to be measured.
- Ability to add and edit proxy server settings.
  - Corporate networks may block or limit internet access for users which will stop them syncing with the IMDEXHUB-IQ.
  - If syncing problems are encountered then the user can enter custom proxy settings supplied by their network administrator so as to be able to sync with the IMDEXHUB-IQ.
- Database location.
  - The database is now stored in a central folder location that is accessible by all users. This removes the previous limitation of each user not being able to see each other’s measurements.
- Depth editing.
  - Depth editing in the logging screen is easier with the depth surrounded by a box which changes colour when the cursor is inside it.
  - The depth can be now selected with a double click for editing.
- Support Improvements.
  - Contact support menu item, which allows the user to easily email the log file and/or data base if issues occur.
  - More detail is now captured in the log file.
  - More explanatory error messages when sync errors occur with the IMDEXHUB-IQ
- Other
  - Records can now be sorted by depth in the verification screen.
  - Users can sync if a comma is used as a decimal separator or if they have non-standard characters in their user name.
  - Sonic and RCD holes can now be synced.

- Patch release which fixed the following bugs.
  - Editing/Changing the structural feature type did not update the supporting description and code fields.
  - Locally created holes and associated readings in earlier versions of the app which were not synced prior to upgrading the app, failed to sync to the IMDEXHUB-IQ.
- EULA updated.

- Lineations can now be measured on down hole facing planes and do not have to pass through the centre of the plane.
- Vertical holes +/- 90° can now be entered and synced from the IMDEXHUB-IQ
- IMDEXHUB-IQ sync status is now at a reading level, improving sync performance.
- Synced readings are now locked for further editing in the Verification window.
- User Interface Improvements
  - All screens
    - Project and drill hole links are repositioned to top left of screen
    - Link to Bluetooth pairing guide document at bottom, when device is not connected
  - Project and Drill Hole screens.
    - Task buttons are rearranged to more logically reflect workflow.
    - Projects and drill holes can now be filtered by name or active status
  - Project screen has a hint when no projects are loaded.
  - Logging and Verification screens.
    - Live Alpha Beta and Gamma angles are shown when using the REFLEX IQ-LOGGER™
    - Bulk edit, structure, custom lists, QA flag, logger name and notes for multiple records at once.
    - Record sync status displayed and synced records checkbox filter.
    - Records with the QA flag set are highlighted in red and synced records are shaded in grey and italicised.
    - Upward facing holes are shown on the stereonet as an open star.
- Bug Fixes
  - Lineation, dip and direction calculation errors at certain beta angles
  - Dip direction error for horizontal and upward facing drill holes.
- Database improvements
- Time and date added to the local CSV export file.
- A log file is written to the desktop, if the program crashes. This can be emailed to REFLEX to assist in determining the cause of the crash.

- Version 1.1.34 is a patch release which fixes:
  - Hub Synchronisation timeout.
- Version 1.1.33 is a patch release which fixes:
  - Bluetooth pairing issues on computers that use Bluetooth stacks that are incompatible with the software's Microsoft Bluetooth library. (eg computers using a Toshiba Bluetooth module).
  - Orientation line field not updating in local CSV export.
- Version 1.1.30 of the REFLEX IQ-LOGGER™ application introduces a number of new features and improvements.
  - **Integration with IMDEXHUB-IQ:** Upload and download projects and drill holes. Download custom feature lists. Upload readings.
  - **Verification screen updates:** The Drill hole point is plotted on the stereo net. Filter readings by depth interval. Custom feature fields added.
  - **Updated CSV Export:** The CSV export file format has been modified. Custom feature fields have been added to the export format.
  - **Firmware update:** field deployable firmware update.
  - **General error checking and stability improvements.**
  - **Software is Windows digital signed.**

- Version 1.0.30 of the REFLEX IQ-LOGGER™ application introduces a number of new features and improvements.
  - **Lineations:** Lineations on a plane can be measured. The gamma angle, plunge and plunge direction of the linear are calculated and if known, a movement sense can be assigned.
  - **Updated CSV Export:** The CSV export file format has been modified. Field names have been tidied up and duplicate fields removed. New fields for lineation measurements have been added. Exported values have been reduced to 2 decimal places for readability.
  - **Edit Drill Hole Dip and Azimuth:** The dip and azimuth of a hole can now be edited. The dip and dip direction of structural features in the drill hole will automatically be recalculated.
  - **Error Logging:** Operating events are captured to a log file to investigate faults and issues with the device.
  - **Database Location:** Changed to allow usage by users without admin privileges.



- **CSV Export File Structure**

- Field name table suffixes have been removed.
- Duplicate fields, quaternion and mid-point fields have been removed.
- To support lineations, fields for Plane ID, Gamma and Movement Sense have been added.
- Exported values have been reduced to 2 decimal places for readability.

- **Drill Hole Dip and Azimuth Editing**

- Hole dips and azimuths can now be edited. Dip and dip directions for existing structural measurements are automatically updated for the entire drill hole.
- To update select the drill hole in the drill hole screen and click the Edit button
- A warning will appear reminding the user that existing measurements will be recalculated.
- After clicking OK the edit screen will appear. Make your changes and click OK to save.

- **Error Logging**

- Operating events are captured to a log file to investigate faults and issues with the device. If you are having problems with the REFLEX IQ-LOGGER™ or the application, REFLEX may request that you send the file to assist in resolving your issue.

- **Database Location**

- The application database has been relocated to allow users with limited admin privileges to use the application.