

Stonex Cube-a v.4.2 20190130

Release notes

v4.2.2019.01.30 released on February 14th, 2019

This release updates Cube-a 4.2.0.20181126 and older.

This is a cumulative update that includes all changes to the application that have been released by targeted updates and beta releases distributed between December 2018 and January 2019.

What's new:

- Some **sounds** are played while a position averaging or a Stop&Go point collection is in progress. Another beep signals the end of the point collection (before actually storing the point).
- **Share by Wi-Fi** function. Basically this starts an FTP Server on the Android device and you can connect to the FTP Server using an FTP Client on the PC side.
This feature allows you to copy files from and into the Android device without the need of an USB cable.
Note: the Android device and the PC must be connected to the same Wi-Fi network. To protect your device from unauthorized access, the connection is protected by customizable user name and password.
- **OpenStreetMap** background layer (vector map only, see System Settings, Map Provider).
- New **geoids** (Bangalore-India, Tanzania North, Denmark DVR90, Mexico GGM06, Sweden SW082000 and SW08RH70).
- New **USA Geoid12B** (CONUS and all other zones)
Note: choose any .bin geoid file from /StonexCube/Geoid/USA/Geoid12B/; the correct geoid file will be automatically chosen by the application based on the actual coordinates of the point).
- New **View in Google Earth** command.
Note: points and CAD entities are "clamped to ground", that is, the heights are ignored and all features are placed on the ground following the terrain.
- **Stonex SC2000** support (Wi-Fi or Bluetooth, rover only, GPS configuration must be performed from the WebUI (enable NMEA output via BT and/or Wi-Fi on port 9000))
- **Generic NMEA** support (Bluetooth, rover only).
- **Turkish** language.
- **NETCAD** (*.ncn) grid point file import/export.
- **External battery** indicator (for Stonex GNSS devices that support an external power supply).
- Better integration with Android MediaScanner (**all files and folders should now be accessible from Windows when using an USB cable**).
Note: if after this update you still cannot see the files from Windows then the MediaScanner database must be reset: clear cache and data files of MediaScanner and External Storage services from Settings/Apps & Notifications/App info. You must select to show system apps to find the two services.
- **Reference Station names** (bases) are now stored with the **"RTCM-Ref" prefix** (i.e. "50" becomes "RTCM-Ref 50"). This to avoid reference stations and collected points having the same name.
- The application now enforces the **use of unique point names** for each collected or imported point.
In case of name collision, the offending name is changed by appending a duplicate number between round brackets.
- The Vector COGO function becomes **Distance function**: shows 3D/2D distances, dE/dN/dZ values.
- The age of differential data is not checked against the user defined age limit when aRTK or Atlas are active.
- Updated **Polish** language.

- **Italy, raster image georeferencing:** read the parameters from an EMP file.
Note: If a EMP file is found into the same folder of the raster image then the EMP file is read to extract the georeferencing parameters.
In case both a World File and a EMP file are found in the same folder then the World File is used.
- **Italy, Pregeo DAT export:** added an option to control if hidden points must be exported as GPS baselines (row 2, 3D) or as cadastral artifacts (rows 4 and 5, 2D).
- Fixes to Custom Export formats (auto-save could not work on some devices).
- Fixes to "Share after export" option (sharing was always starting even if the option was off).
- Fixes to line stakeout (offset not showing).
- Fixes to some configuration screens (Topo Point/Tilt point averaging delay, Quick point PDOP limit).
- Compatibility fix for Stonex T4 (auto point was pausing).
- Minor changes to support Android Pie (v9).