

ClearNav Instruments

2 June 2014

Release Notes: ClearNav Software V 2.2.0.73

- Improved Flarm Alarm display
- Various bug fixes

Release Notes: ClearNav Software V 2.2.0.63

This latest version adds a significant number of exciting new features to the ClearNav Flight Computer.

Turn Area Tasks:

- Added capability to create a turnpoint in a turn area (Turn Area Task). The map cursor box is used to create the turnpoint and the ellipse then moves to the next turn area. The turnpoint may subsequently be moved by the same process.
- If you fly beyond the ellipse in a turn area, the ellipse automatically moves to the next turn area. In the event you choose to continue to fly deeper into the present turn area, the statistics will continue to update correctly even though the ellipse has moved to the next turn area.
- Replaced “Turn Here/Undo Turn Here” with “Ellipse Next Turn Area/Ellipse This Turn Area”. The exception is the last turn area in a task where you will see the familiar “Turn Here”.
- We have written a new article entitled [Navigating the Turn Area Task with ClearNav](#) which we hope you will find helpful. It is on our webpage under “Tips”.

MAT Tasks:

- Added an ellipse for the MAT task that indicates turnpoints (outside the ellipse) that if added to the task will result in finishing in more than the minimum task time. If a turnpoint inside the ellipse is added to the task, total task time will be less than the minimum task time.
- Added an Undertime Finish Warning if you are about to enter the Finish Cylinder inadvertently while part way through the task. An example could be while flying to the Home turnpoint which is co-located with the Finish.

Other Features:

- Flarm and SUA voice alarms added. After installation of the Sounds files (see 2.2.0.63 Software Upgrade Instructions), the sound alarms must be enabled under Personal Preferences/Flarm.

Various Bug Fixes:

- V 2.2.0.42
 - Fixed freeze problems
 - Fixed occasional lost settings on powerup

- Fixed course leg/distance and final glide instability in a TAT
- Fixed occasional TAT distance/speed achieved errors.

Known bugs:

- TAT: Occasionally the “Resume Task” button will inappropriately appear when using the “Ellipse This Turn Area” “Ellipse Next Turn Area” buttons. The “Resume Task” button will disappear within a few seconds and is not an issue.

Notes:

- Flarm and SUA voice alarms have been added. They are located in the Sounds Folder and can be uploaded to the CN using the new ClearNav Updater Software which is also part of this release.
- Some of the ClearNav logo USB sticks supplied with the ClearNav Flight Computer do not reliably transfer all of the sound files to the ClearNav. If this occurs, we recommend you purchase a Cruzer 4GB USB drive, which we have found to be completely reliable. We do recommend you delete the pre-loaded software that is on the drive when you buy it. Here is a link where you can purchase this drive:
http://www.amazon.com/gp/product/B007JR531I/ref=oh_details_o00_s00_i00?ie=UTF8&psc=1
- Before your first flight at a new site, it is recommended the following procedure be applied:
 - Unload the old turnpoint file
 - Load the new turnpoint file
 - Delete all existing tasks on the Task List
 - Create a new task(s) with Activate and Edit on the Task List page
 - Do not attempt to edit an existing task created with the old turnpoint file!