

DELTA SOFTWARE RECENT CHANGE LIST

Version 4.3

Changes 4.3.0.1

1. Add culture sensing for default values on start-up

4.3.0.2

1. Improve error recognition in profile forms: Atmos, Bullet & Rifle. Corrected error reporting in Atmos (wind speed) & Bullet (twist rate).
2. Make uniform "Clear" function in profiles

4.3.1.0

1. Add value conversion tied to unit change in Atmos, Bullet and Rifle profiles

Version 4.4 Changes

1. Changed data format of Solution, eSession, Atmos, Bullet, Turret and Rifle profiles from String to Double. Improved culture sensing default values.
2. Improve error notification in bullet profile form.
3. Correct "text changed" attribute when invoking Add Cartridge screen.
4. Test for screen size and screen size ratio on main and wind vector screens to add autoscroll if necessary.
5. Restrict DK edit on Presets and Bullet Profile until user reads through DK warning.
6. Add toggle button on Elevation in Mil solution to allow to two significant digits.
7. Add "Turret Display Option"; Move "Use Turret Windage" as subitem; Add "Positive Click Values" as Turret Display Option.
8. Modify "BDC" checkbox to "IFR" to enable correct turret solutions for negative elevation for partial revolution turrets.
9. Increase significant digits from 2 to 3 in Turret Profile actual and nominal E & W click values.

[Delta IV Only]

10. Correct logic error in Offset Profiler; require all offsets to be edited in cartridge list if one exists. Make uniform "Clear" function in this profiler.
11. Rifle Cartridge List - add parse function to automatically load offsets of selected cartridge for edit.
12. Added "Suppressed" and "Unsuppress" to the drop-down list on the Offset form
13. A change of E or W offsets in the cartridge list form effecting the selected cartridge on the offset form will automatically update the selected cartridge on close.

Version 4.5 Changes

1. Change "WMM.COF" out of date warning error in GeoMag class to change official website and to include Lex Talus Support.
2. Require license agreement only if current version greater than prior recorded version.

3. Add close Input Panel upon opening and closing of forms.
4. Change default BC to 0.515 for default bullet.
5. Add Program Info page to expedite program updates.
6. Move Table Update delegate to creation of new table to avoid multiple delegate creation.
7. Change TabStop sequence of buttons on main form.
8. Changed truncated MOA constant to extended MOA constant in Muzzle Velocity form for added precision of calculations.

[Delta IV Only]

9. Change Com Port list in Laser Form.
10. Add "MIL" button to toggle between Mils and MOA windage solutions upon Lead toggle.
11. Add "Net Hold" option; converts Lead display to net hold (windage plus lead) value.
12. Correct "Add" function in Rifle and Shooter Profile when no rifle has been added, i.e. rifle profile is "None".

4.5.0.1

1. Changed license verification process to eliminate cultural errors in path encryption.

4.5.0.2

1. Correct behavior of program during "suspended" and "unattended" power states in Nomad, Getac and Talla Tech rugged PDAs to ensure program remains in memory when power is brought back to Full On.
2. Correct missing "R" in Net Hold solutions.
3. Correct Field Zero handling of fixed zero scopes.

[Delta IV Only]

4. Correct handling of cartridge list in empty Offset profile.

4.5.0.3

1. Change Turret Windage solution to display turret-appropriate windage values.

Version 4.6.0.0 Changes

1. Modify Wind Speed page by adding reticle units toggle button; correct calculated wind speed direction to 90 or 270 degrees.
2. Add ability to open direct target files to Map Ranging to obtain range, bearing and angle values for calculating target coordinates.
3. Change base color on RF, GPS to reflect Windows Mobile theme color.
4. Correct Vmil and Vmoa in Elevation Table to give hold offs from actual dialed elevation instead of computed elevation.
5. Change layout of Coriolis page.
6. Increase program involuntary termination delay to 5 seconds.

7. Add "Capture" to Elevation Table to capture data in a comma-separated-value file for export to spreadsheet for field ballistics card creation purposes.
8. Modify GPS to read Mag Variation from program database; add toggle button.
9. Extend turret cardinal number count to 96 from 48 to accommodate two turn MOA turrets.
10. Correct multi-rev turret display with "Fixed Zero" at zero range. Require multi-rev elevation solutions to show only positive click values.

[Delta IV Only]

11. Add Path Metrics workspace for Max Ordinate, Danger Space, Point Blank Zero.
12. Add subsonic information via button near the Target Range box on main page; add visual cue with button color change and change of background color on Target Range text box if range is in subsonic region.
13. Add Lead Computation form for manual timing of target movement; modify "Speed" button to allow 'tap and hold' functionality.
14. Add check box to Rangefinder interface form to calculate relative wind direction when ranging targets.
15. Add Target Range Card and related edit forms. Modify Target button text to "Targeting" and change functionality to invoke Target Range Card. Target List now exclusively invoked with "T" button.
16. Add FFP identifier to main page; correct Direct Targeting form to update target name on close and improve target name handling in Map page.
17. Modify GPS menu item on GeoMagnetic, Coriolis, and Map pages to enable only when HDOP & VDOP is acceptably precise.
18. Include state of Windage units toggle button in saved/restore list.
19. Modify Hold Off terminology to "Net Hold"; modify Options list, Elevation Table accordingly. Add Net Hold column to Windage Table.
20. Correct Multi-wind Zone function to terminate upon RF ranging, target selection from Target List or Target Card, updating wind parameters from Target Card.

Version 4.6.0.0 released 10 May 2010

4.6.0.1

1. Modify functionality of Mil, MOA units option to eliminate conversion of turret solution.
2. Modify GPS function by adding "Continuous Power" mode: when active, PDA will not place itself into Suspend mode but will remain active.

[Delta III, Delta IV only]

3. Add Optional Kestrel Series 4000 Interface.

4.6.0.2

1. Add Baud Rate selection list on Laser interface page.
2. [Delta III] Add File Delete tool

4.6.0.3

1. Add generic Vector range finder interface.
2. Modify power management paradigm program wide to prevent suspension mode.
3. Add Kestrel interface as standard feature, all versions except Tactical & Delta V; eliminate optional add-on versions.
4. Improve sensing of regional units of measure during default startup.
5. Modify Newcon 2500CI/4000CI interface to correct data parsing; improve error handling.
6. Modify all laser interfaces to re-route error messages to laser form raw data window.
7. Correct "Hold Off" on restart to "Net Hold".
8. Modify Laser interface by doing automatic Reset on Start for Newcon type devices.
9. Relink "Activate"/"Deactivate" events in Target Card.

Released 30 June 2010

4.6.0.4

1. Change registry entries to current user.
2. Kestrel interface - modify string parsing to accommodate comma as decimal separator.
3. Mark Bullet Profile data "changed" upon selection and importation of Bullet DB data.
4. Modify Capture output to correctly handle comma decimal separators.
[except Delta III]
5. Correct disappearing FFP from main screen upon laser ranging.
6. TruPulse 360 interface - modify string parsing to accommodate comma as decimal separator.
7. Correct & Format Newcon range finder interface list.

Released 25 August 2010

4.6.0.5

[except Delta III]

1. Add Newcon 3500CI/6000CI interface.

Released 22 September 2010

4.6.0.6

1. Add Targeting file extension check and correction

[except Delta III]

2. Add SD card drive name difference handling in Target Range Card group files

Released 11 November 2010

4.6.0.7

1. Enhance license anti-tampering protocol
2. Add "Exit" function on Options to deal with WM 6.5

Released 10 December 2010

4.6.0.8

1. Improve handling of hardware Cursor, Tab, and Enter keys to move through various forms and cause computation or update of data.
2. Modify operation of Start, End, Range, & Interval input windows on Elevation Table. Eliminates annoying error message when all data deleted from window.
[except Delta III]
3. Change functionality of "Use Laser Data to Compute Solution" check box on Laser Ranging page to allow distribution of laser data throughout program without solution computation when unchecked. In this condition, RF button on main page turns dark blue.
4. Automatically calculate target coordinates on Map Ranging page when related function box checked and range, bearing and angle data is supplied by laser range finder.
5. Automatically prevent solution calculation during range finder use when ranged target is beyond the maximum possible range of current cartridge.
6. Maximum Possible Range and Estimated Maximum Usable Range values added to supersonic information message (button next to range box, main page.)

Released 18 March 2011

4.6.0.9

1. Modify Scale/Clicks input on Turret Profile. Scale can be any character. After entry of clicks value, pressing Enter key will save data pair.
2. Correct handling of "read only" condition in Map Ranging when opening a target to load.

Released 25 April 2011

4.6.0.10

1. Improve error handling of bad FFP, Target or Group files during initialization.
2. Add "feet" as distance to chart units in Scope Calibration work area.
3. Correct Round Count Clear function in Rifle Profile.

[Except Delta III]

4. Add Density Altitude data on Presets page.
5. Add Density Altitude Capture function to Elevation Table Capture menu item.
6. Add sort functionality to all columns on Target Range Card.
7. Correct Target Range Card appearance on square screens.
8. Correct handling of wind value updates in Target Range Card with Range in Meters option checked.
9. Correct handling of an edited range value beyond maximum possible range in Target Range Card.
10. Change description in Turret Options sub-menu to better describe function.

Released 22 May 2011

Bold - Significant modification/addition.

Italic - minor feature change

Non-bold - maintenance change.

Version 4.7

Delta IV-LE renamed Delta V

Version 4.7.0.1 Changes

1. **Change turret profiles to make scale/click value sequence optional.**
2. Modify Reset Program command to clear offsets.
3. Add vertical scroll bar to round count remarks.
4. *Permit entry of negative powder temperature sensitivity values.*
5. Correct Target List initialization to eliminate errors for files with ffp, tgt, or dir in name.
6. Correct Multi-Rev turret display revolution number at 0+0 position.

[Delta IV, V Only]

7. **Add Shooter ID to Rifle Profile.**
8. *Increase details entered into log via the Log button.*
9. **Add Tap & Hold functionality to PS Button to open Unit Conversion page.**
10. **Add Tap & Hold functionality to Log Button to open Log Editor.**
11. Add persistence to baud rate selection on range finder interface page.
12. *Add Mil, MOA to Field Zero page.*
13. **Add Rifle and Offset Profile editing to Cartridge list accessed from main program page.**
14. *Add column sort functionality to Rifle and Offset Profile cartridge list pages.*
15. Correct Danger Space/PBZ target height anomaly in Path Metrics form.
16. Limit PBZ calculation to 0 degrees target angle.
17. **Add Presets direct access from Target Card.**
18. **Add shot logging function in Target Card.**
19. Update Target List after saving location file in GPS Ranging.
20. Correct metric units label on item, group, & FFP edit form in Target Range Card.
21. Correct "Add File" target file function where FFP only has been selected

[Delta V Only]

22. **Add Loophole direct access from Target Card.**
23. **Add Path Metric direct access from Target Card.**
24. Add persistence to data on Loophole form.
25. *Loophole: Add windage value at opening distance.*
26. *Loophole: Modify path values to reflect "None" scope profile loaded condition.*

Released 1 August 2011

Version 4.7.0.2 Changes

1. Modify function of Kestrel interface to notify user when Bluetooth communication is lost. (WM 6 and higher OS only.)
2. Correct failure in Offset Profile to read version 4.7.0.1 and higher Rifle Profiles.

[Delta IV, V Only]

3. *Modify multi-wind zone function to display a single resultant windage vector during multi-zone mode, change color of the Wind button to dark blue as a visual cue that multiple zones are in effect, and terminate multi-zone condition upon Kestrel data input, update in Target Range Card, change of target, change of target bearing, or modification of wind speed or direction.*
4. Correct MOA/Mil mode in Rifle Profile opened via the Cartridge List.

Released 22 August 2011

Version 4.7.0.3

1. *Expand computational functionality in Reticle Ranging page.*

[Delta IV, V Only]

2. Correct angle to length conversion in Unit Converter.

Released 10 October 2011