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To: Delta Ballistic Software Purchaser
Subject: Important information about the program
Read this first

First, read the manual. Then re-read the manual. Then read it again following the examples on the program itself. The software is very good but is not simple. Ballistics is not simple. To fully appreciate what the software can do, it is necessary read and re-read the manual with the program in hand. The manual, and other useful files, are in the "Documents" folder on the card.

Migration of Existing Data Files and/or Backing Up of Data Files:

If you have access to existing data files for this program, even those created in an earlier version, these files should work with this software with the exception of Solution Profiles. Just copy any such files their proper subdirectories on the SD card. **WARNING: DO NOT TRANSFER OLDER FILES FROM/TO THE FFS_Data or FFS_Solutions directories. Doing so may render the SD card program inoperable.**

In order to transfer files, you will have to do so using a laptop or desktop to facilitate the transfer because the file extensions do not show for files on the PDA. Connect the PDA to a laptop/desktop machine, find the location of existing files and note the extensions. The extensions reflect the type of file: .atm are atmosphere profiles; .bul are bullet profiles; .str are offset profiles; .rif are rifle profiles; .tgt and .ffp are targeting profiles; and .tur are turret profiles. These files should be transferred to their respective folders or directories on the SD card

You are encouraged to back up the data files from time to time either to the PDA, a desktop or to some other media and you may move these files back to the SD card without a problem. **WARNING: DO NOT BACK UP THE LICENSE FILE FROM THE FFS_DATA DIRECTORY.** Transferring this file back to the SD card will likely corrupt the license file on the SD card and render the program

inoperable.

Note: if the card completely stops working, check the “Read-Only” tab on the card. The tab must be fully forward for Read/Write operations. Put a tiny drop of super glue to keep it there if necessary.

Update Existing Data Files:

A number of format changes have occurred over the various versions of the software and that is particularly true with version 4.4. If you will browse the folders on the card you will see a “Utility” folder and in the folder a program called “FileConvert44”. This program can be used to convert all profiles created in prior versions to the current version format. Although version 4.4 will continue to read profiles created in prior versions, that is not guaranteed in version subsequent to version 4.4. It is therefore a good idea to convert all of your profiles to bring them up to date. Later versions, although not guaranteed to read prior versions will read version 4.4 and later. When the files are converted, the original file is saved in a subdirectory created during the conversion. If for some reason a problem arises with the converted files, the original files can be restored. The conversion utility is self-explanatory, but if the user has questions or is confused over its use, contact support.

Static Electricity

When your card is taken out of the PDA, take care not to expose it to static electricity. Recently we have seen a card where many of the data files were simply gone (and not recoverable by even an “undelete” program) due to an apparent exposure to static electricity. Even electrical noise can damage files or the card itself, so take care when the card is outside of the PDA and be mindful of quality of the devices you put the card in.

Functionality Notes:

1. The program runs best on WM 6.0 devices but will run on WM 5.0 with .NET Compact Framework 2.0 installed. All devices must have an SD card slot, obviously. As the complexity and utility of the program has grown, and this relates to the Delta IV and Delta V programs, the demands on the PDA’s central processing unit (CPU) have substantially increased. This means that PDA units that run at relatively slow speeds will produce delays as the data is manipulated. In some units, this can be frustrating. The fastest and best unit we at Lex Talus are aware of is the Trimble Nomad with a CPU speed of 806 MHz. Other than the building of the bullet database which has nearly 3500 entries, no part of the program has any appreciable delay. The minimum CPU

speed we recommend is 624 MHz. For the Delta III this speed is entirely adequate; for the Delta IV and above, it is OK but marginal. There will be slow spots here and there. By “slow”, we mean it may take a second or two to complete the task at hand.

For convenience, try to find a unit that has an internal GPS that outputs standard NMEA data. For Delta IV and higher users, a DB-9 connector is required for connecting a range finder to the software. Although not required, it is nice to have 500 MB of flash memory and a rectangular screen is recommended, 240x320 pixels or multiples thereof. While the software can operate on a square screen, horizontal and vertical scroll bars will appear on every screen and the user will be required to constantly scroll up and down, back and forth to view the page. This is not a good experience. If you have questions about the suitability of any particular PDA, do not hesitate to contact Lex Talus.

2. It is not necessary to install the program or to use licensing keys to get it to start. Just insert the card into the PDA and nothing more is required.
3. Inserting the card starts the program; removing the card stops the program. If it is the first time the program is run on the current WM 6.0 PDA, various queries may appear notifying the user that it is from an “unknown publisher” and requiring authorization to run it. The license agreement will then appear for acceptance. Agreement to the license terms is required for the program to run. If the user declines to accept the terms, the program will terminate and the license agreement page will continue to present itself until the user agrees to its terms.
4. When the program is inserted, a shortcut is placed in the “Start” drop down menu. (In both WM 6.0 and WM 5.0 devices there is a limit to how many shortcuts may be placed in the “Start” menu and if the number is already at the maximum, the shortcut cannot be placed there. To enable a shortcut in the Start menu, go to Start->Settings->Personal Tab->Menus and uncheck at least one item. The next time the program starts, it will successfully be able to place a shortcut in the “Start” drop down menu.) The user may quit the program while leaving the card in place and easily restart the program again by tapping the shortcut.
5. When removing the card with the program running, an attempt is made to save the state of the program so it will resume in the same state upon re-insertion.

(Unfortunately, the state cannot be saved on WM 5.0 devices due to the manner the operating system handles the program termination process.) It is important, however, that the program terminate and will do so even if it can't save its existing state. The reasons why this is important are two-fold: 1) for security reasons, once a card is removed nothing is left of the program on the PDA; 2) one card means a single user. The card can be passed around to different people and be used on anyone's PDA, but only one program will be running from that card at a time in compliance with the terms of the license.

6. The program and all of the related data files reside on the card. As mentioned, nothing is on the PDA.
7. READ the "Preparation" section of the manual to see how to calibrate the rifle's scope, check the chronograph generated muzzle velocity and to calculate a BC. Scope calibration is extremely important for long range precision as is knowing and using an accurate muzzle velocity. We do not take for granted that the scope's click values are as represented nor that the chronograph is reporting accurate bullet velocities. We check.
8. For the greatest accuracy at truly long range, calculating the ballistic coefficient for the bullet you are using with this software is required.
9. A great deal of work is required to obtain correct numbers for click values, ballistic coefficients, and muzzle velocities. However, the solutions produced by the software are only as good as the data that is put in. As the range extends, the errors are magnified. For very long range shooting, the work has to be done and that's all there is to it.