



DSSLog

Pilot's Logbook for PalmOS®



- For PalmOS® 2.0 or later.
- Tracks 12 standard and 5 custom flight time columns.
- Enter notes for each flight.
- On-screen Summary reports with custom filters.
- Load flight data directly into DSSLog for Windows!
- Uses only 45 K of Palm memory.
- On-line Help!

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For Technical Support

How to reach us:

You can e-mail us on the Internet at **ddeloach@msn.com** for "same or next day" service (we check our mail every day).

For technical support by phone, call Darren evenings from 7:30 pm to 10:30 pm Central at **903-583-0982**.

You can always find the latest program updates on our World Wide Web site at **<http://www.deloach.com>**.

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Overview

Welcome to DSSLog for PalmOS®, the easiest way to track your flight time while on flying trips! Using DSSLog for PalmOS®, you can easily input all of the required flight log information including your own custom-defined columns and quickly create custom flight time summary reports, all on your PalmOS® handheld device!

DSSLog is the computer equivalent of your Pilot's Logbook. Much like your logbook, you must fill in various columns of required information about each flight... but unlike your written logbook, with DSSLog you'll be able to extract useful information from your log data in seconds with only a few taps of your handheld stylus!

DSSLog is *not* a legal substitute for your printed logbook, because it cannot print reports which can be signed by you. It is best used as an adjunct to your printed logbook: a placeholder of flight information you can quickly enter and track until you have time to enter the flights into your printed logbook. This is particularly advantageous on longer multi-leg trips, or if for safety reasons you don't normally carry your printed logbook in the aircraft, or prefer not to make your entries at the end of the flight but later after all of the legs have been completed.

If you own DSSLog for Windows, you'll have another terrific advantage: you'll soon be able to HotSync® your logbook entries directly from your Palm device into your DSSLog for Windows database! No more duplicate data entry! Plus, we've tried to closely duplicate the basic DSSLog for Windows dialogs so that you'll already know how to use the handheld version!

This manual will give you all the information you need to get started entering your logbook entries. Note that all of the dialogs in the application have on-line help. Be sure to read through this User Manual at least once, to get a feel for how everything fits together. You should especially note that there are a few setup procedures you must complete the first time you run the program.

Program Installation

Before Installing

Before you install DSSLog, make sure your computer meets the following minimum PC requirements:

System Requirements

- An computer running the Palm® HotSync® software
- A PalmOS® version 2.0 or later handheld device
- 50K of free RAM in your handheld device

We welcome any comments you have on the installation and use of our software; future enhancements (and future pilots) depend on your feedback.

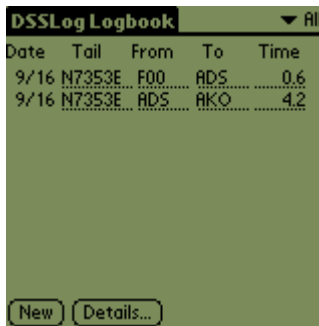
Setting Up DSSLog

1. From the Start Menu, start the Palm Desktop Install Tool.
2. Place the Installation Disk in the A: 3.5" floppy disk drive.
3. Click the Add button in the Install Tool and browse to your A: drive.
4. Select the following file to be added at the next HotSync operation: **DSSLOG.PRC**.
5. Click Done to exit the Install Tool.
6. Place your handheld device in the cradle, and begin a HotSync operation by pressing the button on the cradle. The software will be copied to your Palm device.

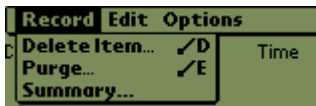
DSSLog User Interface Basics

The Main Program Window

The main program window looks and functions much like the “Expense” and other application which are built into your PalmOS® hand-held device. The main window consists of a two areas: the list of entries (filtered for a specific Category, if selected), plus the buttons at the bottom of the form.



In addition, there are a number of menus you can view by selecting the standard Menu button on your device:



- **Record**— You can delete a single record, or all records from a Category. Additionally, there is a Summary report available which you can customize.
- **Edit** — Standard PalmOS Edit menu (copy, paste, etc.).
- **Options** — Contains various options to setup your data entry preferences, and an About DSSLog which gives copyright information.

Creating a New Logbook Entry

First, be sure you have completed the items in the “Running the Program the First Time” chapter of this manual. How much work you must do for each entry depends on completing those items first!

Next, select the appropriate Category from the list at the top right side of the form, if you are using Categories. If you do not explicitly choose a Category, then the new entry will be in the “Unfiled” Category.

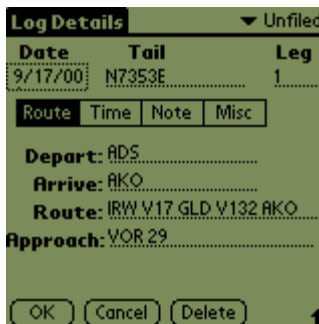
Tap the New button to add a new record. Depending on your Autofill settings, one or more of the five columns (Date, Tail, From, To and Time) will automatically be filled in for you. If you need to, you can overwrite any of the auto-filled items by selecting the text and deleting or overwriting it.

A “legal” logbook entry should have all of these items filled in, so don’t leave anything blank. To change the date, tap it and select the new date from the standard Palm calendar form.

When you enter the Total Time of the flight in the Time column, your Autofill settings will copy the time you enter to the other selected logbook columns automatically. In some cases, you may need to edit the times, though; just tap the Details button and make any changes on the Details form.

The Details Form

Selecting an entry in the list, then tapping the Details.. button will open the entry in the Details form:



The screenshot shows a mobile application interface for a logbook. At the top, there is a title bar with the text "Log Details" and a dropdown menu set to "Unfiled". Below the title bar, there is a table with three columns: "Date", "Tail", and "Leg". The first row of data shows "9/17/00", "N7353E", and "1". Below the table, there are four buttons: "Route", "Time", "Note", and "Misc". Underneath these buttons, there are several fields with labels and values: "Depart: ADS", "Arrive: AKO", "Route: IRW V17 GLD V132 AKO", and "Approach: VOR 29". At the bottom of the form, there are three buttons: "OK", "Cancel", and "Delete".

Date	Tail	Leg
9/17/00	N7353E	1

Route Time Note Misc

Depart: ADS
Arrive: AKO
Route: IRW V17 GLD V132 AKO
Approach: VOR 29

OK Cancel Delete

Tap the OK button to save your changes, the Cancel button to abort your changes, or the Delete button to delete the entire logbook entry from your database.

The date, tail number and leg number are at the top of the dialog. Make sure you have a **unique** leg number for every entry which has the same date and tail number (for example, a multiple-leg flight or multiple instructional flights on the same day in the same plane). This is **critical** if you plan to import your data into DSSLog for Windows!!

The four buttons labeled Route, Time, Note and Misc display different portions of the detail information. Click on any of the four buttons to display the appropriate section, similar to a “tabbed dialog” in Windows.

The Route Tab

Here you will enter the basic route information, including the airports of departure and arrival, plus the route description and the specific IFR approach(es) flown, if any. These fields are not validated in any way, so you may enter anything you wish here.

The screenshot shows the 'Log Details' dialog with the 'Route' tab selected. The header shows 'Date' as 9/17/00, 'Tail' as N7353E, and 'Leg' as 1. Below the header are four tabs: 'Route', 'Time', 'Note', and 'Misc'. The 'Route' tab is active, displaying the following fields: 'Depart: ADS', 'Arrive: AKO', 'Route: IRW V17 GLD V132 AKO', and 'Approach: VOR 29'. At the bottom are 'OK', 'Cancel', and 'Delete' buttons.

The Time Tab

Enter the total flight time in the Total Time field. You may tap on the alarm clock icon next to the field to bring up a standard PalmOS start time/stop time dialog to compute the total time for the flight.

Next, scroll through the time columns, and check the checkbox for all columns whose entry must exactly match the total time (for example, PIC in the above screenshot). For columns which differ from the total time, just select the field and enter the value directly.

The screenshot shows the 'Log Details' dialog with the 'Time' tab selected. The header shows 'Date' as 9/17/00, 'Tail' as N7353E, and 'Leg' as 1. Below the header are four tabs: 'Route', 'Time', 'Note', and 'Misc'. The 'Time' tab is active, displaying the following fields: 'Total Time: 4.2' with an alarm clock icon, and a list of checkboxes for 'PIC: 4.2', 'SIC:', 'CFI:', 'Dual:', and 'Night:'. At the bottom are 'OK', 'Cancel', and 'Delete' buttons.

The Note Tab

The Note tab contains a standard memo field, where you can enter any additional flight data you want in a free-text format. A scrollbar for the memo appears to the right as needed. You can change the font used by the Note memo field using the Font menu option (click the standard Palm menu button).



The screenshot shows the 'Log Details' screen with the 'Unfiled' status. The header includes 'Date', 'Tail', and 'Leg' with values '9/17/00', 'N7353E', and '1'. Below the header is a tabbed interface with 'Route', 'Time', 'Note', and 'Misc' tabs. The 'Note' tab is selected, showing a text entry field with the text 'Approach to minimums, low clouds and light rain in vicinity.' At the bottom are 'OK', 'Cancel', and 'Delete' buttons.

The Misc Tab

Enter the flight cost (if you care to track it!) and the logbook volume and page number you will enter this flight on. Note that the Summary report subtitled by Logbook Page will help you fill out the page totals in your printed logbook, if you are careful to enter the page here. You may want to put any additional cost data (such as descriptions) in the Note tab memo field.



The screenshot shows the 'Log Details' screen with the 'Unfiled' status. The header includes 'Date', 'Tail', and 'Leg' with values '9/17/00', 'N7353E', and '1'. Below the header is a tabbed interface with 'Route', 'Time', 'Note', and 'Misc' tabs. The 'Misc' tab is selected, showing a text entry field with the text 'Cost: 176.22'. Below this are 'Logbook Vol: 1' and 'Page: 33'. At the bottom are 'OK', 'Cancel', and 'Delete' buttons.

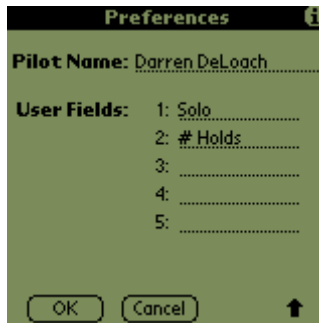
Running the Program the First Time

The first time you start up the program, there are a few things you need to do *before* you begin to enter your logbook entries. These items typically rarely need changing, after you originally set them up.

Initial Setup Tasks

You should complete the following tasks before doing any logbook data entry. Since the information you enter here determines how you enter your logbook data later, it is important that you complete these steps first.

1. Tap the Menu button, and choose the Options | Preferences menu option:



There are five “user defined” logbook columns available. You can choose the labels you want to call each of the five.

- If you are using DSSLog for Windows:

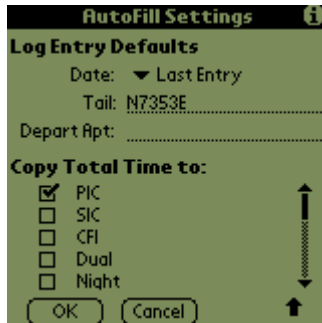
You must enter the Pilot’s Name exactly the same as you entered it in your DSSLog for Windows program, or the HotSync operation will not load your logbook entries into the program.

In addition, the five User fields User 1 to User 5 should have headings the same as you defined them in the Options dialog in DSSLog for Windows, in the same numeric order, or the import will load the data into the wrong field.

• If you are NOT using DSSLog for Windows:

You may leave the Pilot Name and any or all of the User fields blank. Choose any name you prefer for the user-defined columns.

2. Tap the Menu button, and choose the Options | AutoFill menu option:



To speed up your data entry, this dialog lets you specify certain default values that are automatically filled in for you each time you create a new logbook entry. Careful use of these settings will greatly reduce the time required to enter your logbook entries!

- **Date:** Choose “Today” or “Last Entry”. The Last Entry setting simply copies the date of the most recently added record.
- **Tail:** Leave blank to copy the tail number from the most recently added record, or enter a specific tail number.
- **Depart Apt:** Leave blank to copy the arrival airport from the most recently added record (thus assuming the next flight will depart from the same airport the previous flight arrived at) , or enter a specific airport identifier.
- **Copy Total Time To:** Place a check beside each flight information column you want the Total Time to be automatically copied to when each record is added. For example, on a long trip you might want “PIC” and “X Ctry” to be checked, since all flight time would be as PIC and cross-country. Use the scrollbar to view all of the columns.

Creating Summary Reports

Overview

One interesting benefit of having your logbook data in your handheld device is the ability to quickly construct custom reports to let you view your flight data in various ways-- custom subtotals, totals within a date range, etc. The **Record | Summary...** menu option brings up the Summary report filter dialog:

Select a Category from the list to summarize only the records from a specific Category, or choose “All” for all records.

You can Subtotal by Tail Number, Date, or Logbook Volume/ Page by selecting the appropriate item from the Subtotal list.

If desired, you can narrow your summary to records within a specific date range using the From and To triggers to select a date. These dates are inclusive, so a “To” date of 9/16/00 will include records dated 9/16/00.

Tap OK to display the report:

Date	Total	PIC	SIC
9/16	0.6	0.6	
9/17	4.2	4.2	
TOTAL:	4.8	4.8	

Tap on the “OK” button to close the report and return to the main form.

Use the horizontal and vertical scrollbars to view the entire report. You must use the horizontal scrollbar to view all of the columns in the report.

Note that Summary reports may have a maximum of 450 rows (i.e. individual tail numbers, dates or logbook pages, depending on the Subtotal setting you chose). If by some miracle you manage to enter enough data to exceed this limit, the program will inform you of the problem and display only a partially completed report whose sums are not reliable. At this point you can either choose another Subtotal setting and try again, or use the optional date ranges and select only a portion of the records at a time.

Remember that you should be using DSSLog primarily for temporary storage of logbook entries until you can copy them to your printed log or HotSync them into your DSSLog for Windows software, so you should not normally have a large enough number of entries on your handheld device to exceed this limit!

Periodic Tasks

Using HotSync® With Your Data

The HotSync behavior depends on whether you have installed the DSSLog for Windows HotSync Conduit or not.

Using the DSSLog for Windows Conduit

When you HotSync, the conduit will automatically import your data from the device directly into your DSSLog for Windows database. You **MUST** enter the pilot name on the Preferences form **EXACTLY** the same as you entered it in DSSLog for Windows, or the HotSync operation will fail.

The records are automatically cleared from the device at the end of each HotSync operation, so that you have a “clean” system ready for the next round of data entry.

Note that unlike some HotSync conduits, the DSSLog conduit is “one-way”: it will only copy records from the handheld device to the Windows application, but it never copies records back down to the device, nor does deleting a record on the handheld device result in a deleted record in the Windows application. The goal of the DSSLog conduit is strictly to allow remote data entry which is uploaded to the main program when you are back at home after the flight.

Using HotSync Without DSSLog for Windows

If you are not using DSSLog for Windows, then HotSync will simply make a backup of your data onto your desktop computer. This is a simple file copy, the data in the device will remain in the device after the HotSync operation has completed. At some point, after you have entered the data into your printed log you can manually delete the records when you no longer need them using the Records | Purge menu option.

Other DSS Software Products

DSSCalc

Flight Computer for PalmOS®

Packed With Features at an Incredible Price!

DSSCalc/Palm gives you all the power of an electronic handheld flight computer right on your handheld Palm device! All the functionality of a standard flight computer such as the Jeppesen Techstar, as an easy -to-use PalmOS® application. Menu-driven aviation computations and on-line documentation make DSSCalc a breeze to use! The best part is the price: only \$ 10.00!

Features

- ◆ **Runs on PalmOS® Version 2.0 or later!**
- ◆ Easy-to-use graphical user interface.
- ◆ Solve problems by type: Time/speed/distance/fuel, Altitude/airspeed, Wind, Weight and Balance, Performance, and Conversions.
- ◆ **DSSCalc exclusive!** New computation adjusts takeoff ground roll for slope, wind and weight!
- ◆ Buttons are sized large enough to use your fingers instead of a stylus for **in-flight use**.
- ◆ Eight independent memories store numbers or time values.
- ◆ Enter calculation values in any order, change them on the fly at any time.
- ◆ Easy-to-use menus guide your inputs through each problem.
- ◆ Weight and balance calculations support **%MAC** for swept-wing aircraft.
- ◆ Fuel calculations in **US or metric** units.

- ◆ Configurable **weight of fuel** in pounds per gallon allow fuel calculations for AvGas, Jet, Auto or any fuel!
- ◆ No copy protection; No-nonsense license; 100% Money-back guarantee!

Requires

- ◆ A computer running the Palm® HotSync® software (Macintosh or Windows); Mac users should purchase directly from Deloach.com for Mac-compatible fileset.
- ◆ A PalmOS® version 2.0 or later handheld device
- ◆ 90K of free RAM in your handheld device



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