

**Daylight v1.0:  
Automatic Daylight Savings  
Adjustment for the  
HP48-GX**

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# 1 Introduction

## 1.1 Overview

Daylight provides automatic adjustment of the HP48G/GX clock for daylight savings adjustment according to the rules in the United States (first Sunday in April and the last Sunday in October). It sets a user alarm to adjust the time on the appropriate date. The alarm will inform you that the time has been adjusted, and then automatically sets a new alarm for 6 months later. After installing the library on your calculator, run the SETNEXT function to set the first alarm.

## 1.2 Disclaimer

Daylight and its attached documentation are provided "as is", and are subject to change without prior notice. The author gives no warranty of any kind with regard to the software or documentation, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The author shall not be held liable for any damages, including any general, special, incidental, or consequential damages arising out of the use or inability to use any or all of the included programs.

Permission to copy the Daylight library as a whole, unmodified package is granted provided that the copies are not made or distributed for resale (excepting nominal copying fees).

## 1.3 Installing and Deleting Daylight

Size	518 bytes
Checksum	#22C4h [#8900d]
Version	1.0
Library Number	405

You can check these numbers by putting the library on the stack and pressing LS-[VAR] [BYTES]. The above statistics correspond to the distributed version, and if they do not match your results, your copy of the library may have been modified.

Daylight should only work in a G/GX Calculator. No testing has been done other than Revision R (mine). However, as always, you should BACKUP YOUR MEMORY before running this application.

To install Daylight:

1. Download the file `day405.lib` into your calculator in binary mode.
2. Put the content of the created variable `day405.lib` on the stack.
3. Delete the variable `day405.lib`.
4. Store it in the port of your choice (for example with 0 STO.)
5. Power-cycle the calculator (OFF ON or ON-C).

To delete Daylight:

1. Detach the library with `{:0:405} DETACH` (1,2 for the cards).
2. Purge the library with `{:0:405} PURGE` (1,2 for the cards). If you get an error message 'Object in use' then do ON-C and start again from 3.

The source code is given in the files `day405src` or `day405src.bz`. The `day405src` file is an HP48 directory object, and the `day405src.bz` is the compressed version of `day405src` (compressed by Mika Heiskanen's BZ). Both of these are binary files and must be transferred to the calculator to be viewed. Compilation was done using Jazz v6.7.

#### **1.4 Daylight homepage**

The Daylight homepage is at <http://www.math.montana.edu/~hyde/>. The page always contains a link to the latest published version of Daylight.