

# TrayDay User Manual



2007, MJMSOFT Design Limited

# TrayDay

## Date in the Windows tray with pop-up calendar

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*by MJMSoft Design Limited*

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April 2008 in Edinburgh, Scotland

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# TrayDay User Manual

**Part**



# 1 TrayDay, First Things

## 1.1 Introducing TrayDay



### TrayDay 7 for Windows by MJMSOFT Design

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**TrayDay: date / calendar / counter utility. TrayDay places an icon showing the date (day of the month) in the tray. The icon resembles a page of a "tear-off" calendar. It can also display a handy monthly calendar.**

With TrayDay you can see the date at a glance - often quicker and easier than resting your mouse over the clock, searching for an "Insert Date" menu, or having to reach for your diary. Move the mouse over the icon and the day of the week will appear. If you use Windows XP, click here for more information on the tray, or "Notification area".

Left-click the icon and a pop-up menu appears showing the date in various formats - including up to ten user-defined formats. Click one and it will automatically be inserted into your application (or copied to the clipboard, depending on the option checked in the right-click menu). You can select your favorite date format to be available by double-clicking the TrayDay icon, or by a hotkey.

The user formats can include the date, time, and counters - particularly useful for date-stamping messages or files.

TrayDay also has a calendar option which displays a small calendar on your desktop. From TrayDay version 7.0 this calendar can display 1 or 3 months at a time, and has color scheme features. You can choose to have the calendar "on top" all the time for quick reference. Navigate months and years using the mouse or keyboard - or the Microsoft IntelliMouse® wheel - and type any date in the format of your choice.

TrayDay can display the week numbers on the calendar; these can be set to the ISO standard (week 1 is the week that includes the first Thursday of the year), or any scheme of your own choosing - for example, January 1 is always in week 1.

TrayDay has Julian Day number features, allowing you to quickly find out the Julian Day number corresponding to any calendar date; the Internet Time as defined by Swatch® can also be shown.

By placing a shortcut to TrayDay.exe in your startup folder, you can have the date and calendar always available.

When a date is being inserted (typed) into an application, you can stop it by clicking the TrayDay icon.

We recommend that you go to TrayDay "Settings" and set a hotkey to show/hide the calendar. You'll be amazed how useful it can be to have the calendar appear or disappear at the tap of a couple of keys!

What's new from version 7.0

Installing TrayDay  
Registering TrayDay

TrayDay Calendar

Left-click menu

Right-click menu

Settings dialog

User formats

Further information and support

## 1.2 What's New

Version 7.03 has the following changes:

- Further updates to improve compatibility with Windows Vista.

Version 7.02 has the following changes:

- Title bar of 3-month calendars may now optionally show the current (or center) month - for example, February 2007. Previously it would only show the "outer" months - for example, January - March 2007. The setting can be changed in Calendar settings.
- Converted the help file to HTML Help format for compatibility with Windows Vista, which does not support WinHelp-based help files.
- Some updates made to program and help file to improve compatibility with Windows Vista.

Version 7.01 has the following changes:

- Fix of bug where with certain tooltip settings, days to or after MyDate would display incorrectly.

Version 7.00 had the following changes:

- Added new calendar formats. The original (pre version 7) calendar is now known as Small, and the new formats are Normal, Large, 3 month horizontal and 3 month vertical.
- Added color scheme features. The colors of the following elements of the calendar are fully user-configurable: background, day numbers, current day, weekend, 3 month headers, weekday initials and week numbers. Additionally you can store a combination of colors as a scheme, and retrieve it easily if required. The following schemes are preset: Aqua, Barley, Beige, Evergreen, Neon, Salmon, Slate, Steel and Color safe (for monitors displaying 256 colors or fewer). There is a further option for the 3 month calendars – to fade the outer months. This fades slightly the text of the outer months, allowing the center month, which is normally the current month, to stand out.
- Extended the MyDate feature to make it possible to change MyDate from the calendar, giving a quick way of finding out the difference between two dates. Previously this feature could be set in Settings / Tooltip; the difference between the date set there and the current date could then be viewed on the tooltip which appears when the mouse pointer is held over the date in the tray. Also the difference between MyDate and a date left-clicked on the calendar would appear on the menu. In version 7 MyDate can be set directly from the calendar by left-clicking a date and selecting "Set MyDate to...". If the current date, or a date clicked on the calendar, is before MyDate, then "Days to MyDate..." appears on the tooltip or calendar menu. If the date is after, then if in Settings / Tooltip "Count MyDate as day 0" is set, "Days after MyDate..." appears on calendar or menu. Or if "Count MyDate as day 1" is set, "Days of MyDate..." appears.
- A right-click menu has been added to the calendar to allow quick access to Calendar settings, or to change to a different calendar format. The letters s, n, l, h, v and c can also be pressed when the Calendar is active to change the calendar format or open Calendar settings.
- Added new option to user format characters. The existing a, aa or aaa gives the day of the year with a minimum of 1, 2 or 3 digits. The new option is z, zz or zzz, which gives the number of days remaining in the year.
- The option to not show the startup box is now available during the evaluation period. At the end of the evaluation period the startup box is always shown.
- Fixed date icon for first day of the month in the 3rd set (black numbers). Day 1 appeared in white.
- Fixed a problem where sometimes on rebooting the TrayDay calendar would not return to its position from the last session.
- A correction has been made to the week number of the last week of the year, as displayed on the

calendar or in user formats. Previously if there was a week after the 52nd week it was always given as week 53, but if the year ends with part of a week, then it, and the rest of that week in the following year, should have the same number. If the part of the week in the following year is too short to be considered as week 1 (ISO standard 8601 says week 1 should be the week that includes the first Thursday of the year) then that whole week is week 53. But if the part of the week in the following year includes a Thursday and is therefore week 1, then the part of the week in the previous year is also week 1. Thus, by ISO standard, the last 2 days of 2002 are part of week 1, 2003, whereas the last 5 days of 2004 are in week 53, 2004.

- Fixed problem where if the counters setting “Reset at midnight / startup” (on the Settings / User formats tab) was not checked, user formats disappeared from the left-click menu.
- Changed the registration code system for TrayDay in order to better protect the software from piracy or code sharing. As version 7 is a free update, registered users can email [newcode@mjmsoft.com](mailto:newcode@mjmsoft.com) for a new code. Please give as much information about your purchase as possible, as we must verify each request. Name, address and email address from your original purchase would be helpful, along with a NetBanx or Paypal reference if known.

## 1.3 Installing TrayDay

TrayDay requires Windows 95, 98, NT4, ME, 2000, XP or Vista, and needs 1.6MB of space on your hard drive.

TrayDay is distributed as a .zip file. Extract the files to a (temporary) folder, and run SetupTD.exe. Or, if you have the self-extracting .exe version, simply run it to install. During the install process you can choose to have TrayDay added to your list of programs which start every time Windows starts; you can set this later if you want.

The files which are installed in the TrayDay folder are as follows:

TrayDay.exe: main program executable

TrayDay.hlp: help file

TrayDay.cnt: help file contents

license.txt: details of your license agreement

ombudsmn.txt: Association of Shareware Professionals statement

pad\_file.xml & pad\_file.htm: information for vendors/distributors

readme.txt: readme information

whatsnew.txt: summary of what's new in the current version

uninstall.exe: uninstall program; see below

### How to Uninstall TrayDay

Go to Control Panel - Add/Remove Programs, and select TrayDay; or select the Uninstall icon in the TrayDay program group.

# TrayDay User Manual

**Part**




## 2 Using TrayDay

### 2.1 TrayDay Calendar



To display the monthly calendar, left-click the TrayDay icon and select Show Calendar. Or go to Settings/Options and set the default action (on a left double-click or a hotkey press) to toggle the calendar on or off. Alternatively, start TrayDay with "/c" in the command line. Note that TrayDay remembers the window position, and whether the calendar is displayed, from one session to the next.

By default the calendar is shown with weeks starting on a Monday; you can change this to Sunday through the Settings/Calendar dialog. You can also choose to have Saturdays and/or Sundays displayed in red. Note that the months, and day letters (eg M T W T F S S), will appear correctly in your own language. The current day is shown in a different color.


**When the calendar is displayed, an extra icon, which looks like a small calendar, appears in the tray. If the calendar has been lost behind other windows, click this icon to bring it back to the top.**


It may be useful to have the calendar always on top of other windows. To turn this on select Calendar always on top from the TrayDay left-click menu (or calendar icon right-click menu); select it again to turn it off. Pressing the  button on the calendar itself, or pressing "t" when the calendar has keyboard focus, has the same effect.


*Note that if the calendar is set to "always on top", the calendar icon is removed from the tray - it is no longer needed to bring the calendar to the top.*

You can have week numbers displayed on the left of the calendar. To turn this on, select Calendar shows week numbers from the TrayDay left-click menu (or calendar icon right-click menu); select it again to turn it off. Pressing the  button on the calendar itself, or pressing "w" when the calendar has keyboard focus, has the same effect. (Or if your language is French, Spanish, Italian or Portuguese, click  or press "s", for Semaine, Semana etc.). See International Standard for important information on week numbers.


To move from month to month or year to year refer to the following list. Note that the calendar needs to be the active window if the keyboard or IntelliMouse® wheel is to be used.



Clicking , pressing left cursor key, or rolling the IntelliMouse wheel away from you, moves back a month.

Clicking , pressing up cursor key or "Page Up", or rolling the IntelliMouse wheel away from you with Ctrl key down, moves back a year.

Clicking , pressing "Home" key, or clicking the IntelliMouse wheel with the mouse pointer over the calendar, goes to the current month.

Clicking , pressing down cursor key or "Page Down", or rolling the IntelliMouse wheel towards you with Ctrl key down, moves forward a year.

Clicking , pressing right cursor key, or rolling the IntelliMouse wheel towards you, moves forwards a month.

Clicking , pressing "w" ( or "s" in France, etc.), or selecting menu items as noted above, switches week number display on or off.

Clicking , pressing "t", or selecting menu items as noted above, switches "on top" on or off.

For fastest navigation, press and hold the up/down cursor key or "Page Up/Down" to move quickly through the years.

Right-clicking the calendar brings up a menu from which you can choose different calendar formats: small, medium or large, 3 month horizontal or 3 month vertical. You can also select Calendar settings from this menu.

The options on the right-click menu are also available via the keyboard:

Press "s" for small calendar (except in France, etc. where "s" switches week numbers on or off).

Press "n" for normal calendar.

Press "l" for large calendar.

Press "h" for 3 month calendar horizontal.

Press "v" for 3 month calendar vertical.

Press "c" for Calendar settings.

Press Esc to close the calendar.

Left-clicking a date on the calendar brings up a menu with your various date and user date formats - selecting one causes the selected date to be Copied, Inserted or Pasted - depending on the action ticked in the right-click menu. This gives an easy way of putting any date on the clipboard ready to paste into an application. If you have chosen to have Julian Day numbers or a date counter shown on the TrayDay tooltip, they will also be shown at the top of this menu, for the date clicked.

Also on the left-click menu, if you have MyDate turned on in Tooltip settings, you will see two additional entries on the calendar left-click menu. Days to, of or after MyDate – note that "of" is displayed when MyDate is in the past, but you have chosen in settings to count MyDate as day 1 (if MyDate is day 0, then "after" is displayed). And "Set MyDate to...", showing the date which has just been clicked. This gives a quick way of changing MyDate - and a convenient way of working out the number of days between two dates.

To close the calendar (without exiting from TrayDay) click the close button on the title bar, press "Esc" when the calendar is the active window, or select Hide calendar from the TrayDay left-click menu or calendar right-click menu.

If you are interested, or want to experiment, the calendar will go back to 1583 - the first full year of the Gregorian calendar (although not adopted in England and the English colonies of America until 1752). As for the future, given that the Gregorian calendar only has one too many days every 3,333 years, the TrayDay calendar should be accurate for as far ahead as you will need!

## 2.2 Left-click Menu

See calendar for information on the menu items relating to the calendar.

Clicking the TrayDay icon with the left mouse button opens a popup menu showing the various date formats ready to insert, copy or paste. Item 1 is the pre-defined (Control Panel - Regional Settings - Date) short date and item 2 is long date. Items 3 and following show the user formats set in the Settings/User formats dialog. You can set the maximum number of items to display in the menu in the same dialog box.

When you select a date - either using the mouse or by pressing the underlined number - the action ticked in the right-click menu will occur (Copy, Insert or Paste).

Note that if you have more than one user format with counters, only the first (most recent) will be displayed on the left-click menu - only one item may use counters at a time. To change to another format with counters, move it to the top in the Settings/User formats dialog.

The following two items are only visible if the menu displays a user format that includes counters.

**Counter reset** resets the counter to zero, or (n), if specified.

**Increment #** increases by 1 the value of any counter set with "#" in the user format (Counters set with "+" are incremented automatically each time they are used).

The top menu item is **TrayDay right-click menu...** which opens the right-click menu.

A left-click on the icon while TrayDay is inserting text will cause it to abort.

Right-click menu

## 2.3 Right-click Menu

Clicking the TrayDay icon with the right mouse button opens a popup menu showing various options.

**Register...** opens up the box for registering TrayDay. This item disappears once TrayDay is registered.

**Help...** displays help.

**About...** opens the About dialog - similar to the welcome box which appears when TrayDay starts. If you are using TrayDay during the Evaluation period, this box also tells you how many days to go.

**Shift Icon** shifts the TrayDay icon to next to the clock (assuming you have your taskbar at the top or bottom of the screen), which may be convenient if you have a number of icons in your tray. Note that in Windows XP the icon is shifted away from the clock.

**Settings...** opens up the Settings dialog for the configurable options.

**Default action** opens up a sub-menu where you can tick the date format to be used when the TrayDay icon is double-clicked with the left mouse button or the default hotkey is pressed; this can be short, long or user – or you can choose to have a double-click/hotkey press show or hide the calendar. This setting can also be changed in the Settings dialog.

The following three items determine the action to be carried out when a text item is selected on the left-click menu. The currently selected option is marked with a tick.

**Copy** - the text will be copied to the clipboard.

**Insert** - the text will be inserted at the caret of your active or foreground window by simulating keyboard input. [Unless the text includes character(s) which cannot be typed by a single combination of keystrokes - in which case the Paste action will occur.]

**Paste** - the text will be copied to the clipboard and automatically pasted in at the caret of your active or foreground window.

**Exit** exits the program.

Left-click menu

## 2.4 Settings Dialog

This dialog has 4 tabs.

Options  
Calendar

ToolTip  
User formats

### 2.4.1 Options Dialog

There are seven things which can be changed using the Options dialog. The second and third are not available after the end of the 30-day evaluation period.

- 1) Whether TrayDay should run automatically every time Windows starts.
- 2) Whether to display the "welcome" box when TrayDay is started. The box can also be turned off by clicking the check-box at the bottom of the welcome box itself.
- 3) When to shift the TrayDay icon
- 4) Which TrayDay icon style to use.
- 5) Set a hotkey which, when pressed, will open the left-click menu – offering keyboard access to TrayDay's menus and dialogs. The hotkey can be a combination of the Windows logo key (if present), Ctrl, Alt, Shift and a character, and must include either Win, Ctrl or Alt (although note that a number of Windows logo key combinations are reserved for Windows use, and you may not be able to set them).
- 6) Set a hotkey which, when pressed, will initiate the default action as set in 6 below. This hotkey bypasses the menu system and lets you initiate the insertion of the date into an application, or show or hide the calendar, directly.
- 7) The default action occurs when the TrayDay icon is left double-clicked, or if a default hotkey (above) is set and pressed. You can have the calendar toggle on/off, or insert the current date in the foreground window. Select 'Short' or 'Long' to use the preset Windows date formats (Regional Settings), or 'User' to use your own format defined in the 'User formats' tab. This can also be set from the Right-click menu item Default action.

### 2.4.2 Calendar Dialog

The following options are available through this dialog.

1) First day of week Sunday or Monday. This option affects the display of the calendar, and also influences how the week of the year is determined. The week of the year can be displayed as a tooltip, or in a user format with "ww".

2) This option influences how the week of the year is determined. Week 1 is the first week (Sunday to Saturday or Monday to Sunday as above) with the number of days shown, or more.

See ISO Standard for important information on these options, as the week numbers on the TrayDay calendar depend on these two settings above.

3) Calendar style – which can be small, medium, large, 3 month horizontal or 3 month vertical.

4) Choose colors. TrayDay has a number of pre-defined color schemes which you can choose from the "Color scheme" drop-down box. Or you can choose your own colors for the various elements of the calendar: background, day numbers, current day, weekend, 3 month headers, weekday initials and week numbers; select the element to change and click "Choose color". When you change a color the selected Color scheme shows as blank; if you want to save your new scheme click "Save as" and give it a name. You can delete color schemes (except Default) by clicking "Delete". Note that the scheme "Color safe" has been designed to work with displays set to 256 colors or fewer; other schemes require a higher color resolution, else colors may appear dithered.

5) Whether to display in weekend color (as in the current color scheme) dates on the calendar which

are Saturdays or Sundays.

6) Option for the 3 month calendars – to fade the outer months. This fades slightly the text of the outer months, allowing the center month, which is normally the current month, to stand out.

7) Choose whether the title bar of 3-month calendars displays the current (or center) month - for example, April 2008, or the "outer" months - for example, March - May 2008.

### 2.4.3 Tooltip Dialog

Select the options you want displayed on the Tooltip - the message which appears if the mouse cursor is placed over the TrayDay icon.

1) Day of week (Sunday, Monday etc)

2) Day of year (1-366)

3) Week of year (1-53)

*The following five, if selected, will also be shown at the top of the menu which appears when you left-click a date on the TrayDay calendar.*

4) Days from January 1 2000 inclusive are shown. This means, for example that January 2, 2000 will show 2 (second day of the new millenium).

5) Days from January 1 2001 inclusive are shown. This means, for example that January 2, 2001 will show 2.

6) Days to or from a user-specified date. If the date is in the future the tooltip (or calendar menu) will show the number of days to go - the day before is 1. If the date is today or in the past the tooltip (or calendar menu) will show the number of days since the specified date. The date itself is counted as day 0 or 1 depending on the radio button selection below the date. For example, if you wanted to know your age in days, you would set the date to your date of birth and the radio button to Day 0; the tooltip (or calendar left-click menu) would show "Days after MyDate...". If you wanted to know which day of the year it is you would set the date to January 1, and the radio button to count that as Day 1 (although note option 2 above!). The tooltip (or calendar left-click menu) would show "Days of MyDate...".

7) Julian Day number (not to be confused with the Julian calendar). The three decimal places indicate the time of day, starting from noon; clicking any date on the popup calendar will show the Julian Day number at noon on that day.

8) Modified Julian Day number. This simplifies the Julian Day number by deducting 2,400,000.5. This means that the day starts at midnight, and can be expressed in 5 digits rather than 7.

9) Internet Time, as defined by Swatch®, divides the day into 1000 Beats of 1 minute 26.4 seconds, with beat @000 at midnight, Central European Wintertime. It therefore has no geographical boundaries and, assuming your PC clock and Windows Time Zone are correctly set, should give the same time wherever you are. For more information visit <http://www.swatch.com>.

Normally, if your Time and Time Zone are correctly set in Windows, then the Julian Day numbers and Internet Time display correctly. However, in certain rare circumstances this may not be the case, and you may need to use the Time adjustment dialog to correct this for TrayDay.

Note that the Julian Day number and Modified Julian Day number, when displayed by left-clicking a calendar date, will differ by 1 from what might be expected. For example, January 1, 2000 will show JD:2451545 and MJD:51544. This is because the Modified Julian Day number shows a date which runs from midnight to midnight, while the Julian Day number shows the day which begins at 12noon on that day - the next day.

### 2.4.4 User Format Dialog

TrayDay lets you insert the current date quickly and easily into just about any application - just click the date format of your choice on the menu which appears when you left-click the TrayDay icon, and it will be typed or pasted in.

Date formats 1 and 2 on the menu are the pre-set short and long date formats on your computer, as set up in Control Panel - Regional Settings - Date. Date formats 3 up to 12 can be defined and organized with the help of this dialog. If you have a favorite user format, store it at the top of the list; it will appear on the left-click menu as item 3, and you can choose, in Settings/Options, to have it typed in to a document as the default action on left double-clicking the TrayDay icon in the tray or pressing the default hotkey.

Your user formats can include counters, ordinals "1st", "2nd", "3rd" etc, and other features which extend the standard Windows date and time formats.

Choosing "New..." or "Edit..." from Settings/User format opens the User format helper, which helps you define your own formats.

Up to ten user formats can be defined, and you can choose how many of them to display on the left-click menu. Say you have 5 formats defined, and have chosen to have 3 shown on the left-click menu. All 5 will be shown on this dialog; only 3 will be shown on the left-click menu - the remaining two being unused but still stored. On the left-click menu, formats 1 and 2 will be the pre-set short and long dates, and items 3 to 5 will be the 3 user formats you have asked to be shown.

Also on this dialog you can decide whether to reset counters at midnight and startup. If this box is not checked, counter values are preserved from one session to the next.

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## 3 Further Details

### 3.1 International Standard

TrayDay can display week numbers. If relying on them, it is important to be aware of the International Standard contained in ISO 8601 : 1988. It states:

"A week is a seven day period within a calendar year, starting on a Monday and identified by its ordinal number within the year; the first calendar week of the year is the one that includes the first Thursday of that year. In the Gregorian calendar, this is equivalent to the week which includes 4 January."

TrayDay is preset to this standard; right-click the TrayDay icon and select Settings, then click the Calendar tab. The ISO standard requires that Monday be set as first day of the week, and the setting "First week of year" should show "Week with a minimum of 4 days". Week 1 will then always include at least a Thursday, Friday, Saturday and Sunday.

**IMPORTANT:** if you have the calendar set to show Sunday as the first day of the week, you should change the number below to a 3 - "Week with a minimum of 3 days". If you do NOT do this, years which begin on a Thursday will show week numbers incorrectly. For example January 5 2004 was, by ISO standard, in week 2. But if you set weeks to begin on a Sunday, and keep the "minimum of 4 days" setting, it will show as week 1.

Note that, by ISO standard, if January 1 is on a Friday, Saturday or Sunday, this short week is counted as part of the last week of the previous year and is displayed by TrayDay as week 52 or 53.

If the week number is displayed in a user format, this short week at the beginning of January will show as week 52 or 53 of the previous year unless the format also includes the month or day of the month, in which case it will display as week 0 of the same year. Otherwise, there is the potential for displaying the wrong year. For example, January 1, 2005 with the user format yyyy'-W'ww'-k would display as 2004-W53-6. But the user format MMMM d yyyy'-W'ww'-k would display the same date as January 1 2005-W00-6. (2004 would be too confusing in this instance.)

Similarly... if January 1 is on a Tuesday, Wednesday or Thursday, the short week at the end of the previous year is counted as part of the same week and is displayed as week 1.

If the week number is displayed in a user format, this short week at the end of December will show as week 1 of the next year unless the format also includes the month or day of the month, in which case it will display as week 53 of the same year. Otherwise, there is the potential for displaying the wrong year. For example, December 31, 2007 with the user format yyyy'-W'ww'-k would display as 2008-W01-1. But the user format MMMM d yyyy'-W'ww'-k would display the same date as December 31 2007-W53-1. (2008 would be too confusing in this instance.) Occasionally this short week might appear in a user format as week 54! For example, try setting first week of the year to have a minimum of just 1 day – then look at December 31, 2012 with the format MMMM d yyyy'-W'ww'-k.

### 3.2 Shift Icon function

Because other applications may add icons to the system tray, the TrayDay icon may move further away from the clock (assuming that you have your taskbar either at the top or bottom of the screen). Select Shift Icon from the right-click menu, to move the icon to beside the clock. Note that in Windows XP the icon is shifted away from the clock.

Under Options "Shift Icon" / "After Startup" - you can choose to have TrayDay shift the icon automatically 1 minute or 2 minutes after starting.

This is particularly useful if TrayDay is in your startup folder with other applications: the order in which

icons are added to the tray is difficult to determine. Choosing this option gets round this by moving the icon to the clock after other applications have loaded. Most users should find that 1 minute is enough, but those with slower systems and/or large startup groups may need to select 2 minutes.

There is also the option to shift the icon every 10 minutes or every hour (times are approximate). This helps to ensure that the TrayDay icon is kept next to the clock (unless you use Windows XP, in which case it is moved to the other end of the notification area). Note however that the whole taskbar is redrawn every time the icon is shifted, which may be distracting, and may stop your screen-saver from activating (see known limitations).

If the calendar icon is displayed, it is shifted too, and kept next to the TrayDay icon.

Note that this feature is not available after the 30-day evaluation period, but is kept/restored when you register TrayDay.

### 3.3 TrayDay icon style

You can choose the icon style through the Options dialog. The current day's date is shown in each of the four available icons - choose the one you like best. The button-like icon is designed to match the icon of the companion program KeyText; note that if this icon is used, the calendar icon is increased in size to match.

### 3.4 XP/Vista Notification area

The part of the taskbar previously known as the tray, or system tray, is called the Notification area in Windows XP and Vista. And new features in Windows help to keep this area less cluttered than in previous versions of Windows.

There are two side effects of this which affect TrayDay users.

The first is that the "Shift icon" feature works differently. The TrayDay icon is moved away from the clock rather than towards it. Although this diminishes the usefulness of "Shift icon", at least the icon is moved to a consistent, easy to spot, location.

The second is that the TrayDay icon (and calendar icon) may disappear. This is because of the "Hide when inactive" feature; if Windows decides that an icon is inactive, it will hide it.

If TrayDay disappears in this way, right click a blank area of the Taskbar and select Properties. Under Notification area, click Customize. Alternatively, Right click a blank area of the Notifications Area and select Customize Notifications. Select the TrayDay icon, then click the down arrow next to it and select "Always show". Do the same with the TrayDay calendar icon.

### 3.5 User format helper

This dialog helps you to define your own date (or time) format. If you are familiar with user format characters then you can enter your format directly into the edit box at the top left. Otherwise use the buttons which will automatically add the required format characters. A sample will appear on the right as you build up your user format. Each format can have up to 255 characters.

Note that for many of the settings there are 2 or 3 columns headed:  
Min. digits to show: 1 2 3.

This refers to the presence of leading zeros. For example if the day of the month is 8 and you choose minimum of 1 digit, it will appear as 8. If you choose the button in the "2" column it will appear as 08. Similarly a counter starting at 1 will appear as 001 if you select it from the "3" column.

The user format characters are based on the standard Windows date and time characters - see Control Panel, Regional Settings - but these have been extended in TrayDay to give more options. For

example, w or ww for week of the year, a, aa or aaa for day of the year, z, zz or zzz for days remaining in the year, and k for day of the week. If k is used, this will show 1 to 7; day 1 is either Sunday or Monday, depending on whether you have set the first day of the week to Sunday or Monday in the Calendar dialog. The International Standard is day 1: Monday.

For convenience you can use: "year", "month", "day", "weekday" or "time" in the user format (note that case is not significant - "Year", "YEAR" etc give the same result as "year"). For example, <weekday day month, year> would give a date like "Tuesday 25 January, 2005". Or <month day, time> would give "January 25, 10:26 AM". Note that if "time" is used it has the format h:mm tt; that is, hours based on the 12-hour clock, and with AM or PM as appropriate.

If the week number is displayed in a user format, if there is a short week at the beginning of January it will show as week 52 or 53 of the previous year unless the format also includes the month or day of the month, in which case it will display as week 0 of the same year. Otherwise, there is the potential for displaying the wrong year. For example, January 1, 2005 with the user format yyyy'-W'ww'-'k would display as 2004W536. But the user format MMMM d yyyy'-W'ww'-'k would display the same date as January 1 2005W00-6. (2004 would be too confusing in this instance.)

If there is a short week at the end of December it will show as week 1 of the next year unless the format also includes the month or day of the month, in which case it will display as week 53 of the same year. Otherwise, there is the potential for displaying the wrong year. For example, December 31, 2007 with the user format yyyy'-W'ww'-'k would display as 2008-W01-1. But the user format MMMM d yyyy'-W'ww'-'k would display the same date as December 31 2007-W53-1. (2008 would be too confusing in this instance.) Occasionally this short week might appear in a user format as week 54! For example, try setting first week of the year to have a minimum of just 1 day – then look at December 31, 2012 with the format MMMM d yyyy'-W'ww'-'k.

Also note the possibility of text in the user format, surrounded by single quotation marks. This means, for example, that you could define a "date stamp" with your name and date <'Your Name, 'm/d/yyyy >. To include a single quotation mark in your text, enter 2 of them together - for example, <'Today's Date' > will give "Today's Date". Use \n or \t to give a new line or tab - but don't enclose them in single quotes or they will be treated as text.

See also Counters.

Hint: There are two common errors made in defining a user format. If a user format does not give the result you expect, the first thing to check is that any text is correctly surrounded by single quotation marks - otherwise letters such as s, m, h, d etc will be interpreted as date or time format characters. The second thing to check is - for the month an upper case M, MM, MMM or MMMM is required; lower case will give minutes.

### 3.5.1 User format characters

y, M, d, h, H, m, s or t	Numbers with no leading zeros for single-digit years, Months, days, hours (12), Hours (24), minutes, seconds, or A/P (Regional Settings)
yy, MM, dd, hh, HH, mm, ss or tt	Numbers with leading zeros for single-digit years, months, days, hours (12), Hours (24), minutes, seconds, or AM/PM (Regional Settings)
D	As d, but adds the ordinals st, nd, rd, or th as appropriate
MMM or ddd	Three-letter abbreviations for the Month or day
yyyy, MMMM or dddd	Full name of the year, Month or day
year, month, day, weekday or time	Gives year (yyyy), month (MMMM), day (d), weekday (dddd) or time (h:mm tt); with these options, case (year/YEAR) is not significant
a, aa, aaa, z, zz, zzz, w, ww or k	Day of year with minimum of 1, 2 or 3 digits (leading zeros), days remaining in year with minimum of 1, 2 or 3 digits (leading zeros), week of year with minimum of 1 or 2 digits (leading zero), or day of week (1 to 7, where 1 is Sunday or Monday as set in Settings/Calendar)

#, ##, ###, #(n)	Counter with minimum of 1, 2 or 3 digits (leading zeros), set at 0 or n (number).
##(n), or ###(n)	On right-click menu, click Increment # to increment manually, or Counter Reset to reset to 0 or n
+, ++, +++, +(n), etc.	As # etc, but increments automatically after copy or insert user date
\n, \t or 'text'	Gives a new line or tab, or enclose text in single quotation marks

## 3.6 Counters

See also User Format helper.

You can include counters in the user format - numbers which can be incremented automatically or manually after being inserted or pasted in a document from the left-click menu. #, ##, or ### give a number with a minimum of 1, 2 or 3 digits, filled to the left with zeros if necessary. When a counter is included in the user format it is set to 0, or to a specified number (up to 7 digits) enclosed in brackets: #(n), ##(n) or ###(n). Also 2 new items appear on the left-click menu - Increment #, which manually increases the counter by 1, and Counter Reset, which resets the counter to 0 or n. By default any counters are also reset at startup and at midnight, but by clearing the appropriate check-box in the Settings/User formats dialog the values will be preserved from one day to another, and remembered from one session to another.

If you change the user format to include a counter, and have been using a counter previously, you will be asked if you want to reset the counter or retain the previous value. The counter function is useful for users who wish to "date stamp" files or messages. For example, < yyMMdd##.doc > will give "07012500.doc", "07012501.doc", "07012502" and so on.

The counter can be specified in the form +, ++, +++, +(n), ++(n) or +++(n). This operates in a similar way, except the counter is incremented automatically after each time a user date is copied or inserted (the Increment # menu item does not appear). For example: < 'E-mail'+(1)', sent 'd MMM yyyy' at 'HH':'mm > will give "E-mail 1, sent 8 Apr 2008 at 14:26", "E-mail 2, sent 8 Apr 2008 at 14:43" and so on.

If your user format specifies both an automatic counter (+) and a manual counter(#), TrayDay will ask if you want the automatic counter to be reset every time the manual counter is incremented (by selecting Increment #). This gives the possibility of using for example < #(1)'++++ >, which will automatically give "1-000", "1-001", "1-002" etc, then on selecting "Increment #": "2-000", "2-001", "2-002" etc.

## 3.7 Julian Day Numbers

Julian Day numbers were invented by Joseph Justus Scaliger in 1583. As currently defined, they give days as integers on a 7980 year cycle, with day zero starting at noon GMT 1/1/-4712. They are often used by astronomers and chronologists, and give an easy way of finding the number of days between two dates.

For astronomers a day begins at noon and runs until the next noon (so that the night-time falls conveniently within one "day"); the Julian Day number system therefore shows noon as .0 and midnight as .5.

This was not to the liking of all scholars using the Julian Day number system, in particular, historians. For chronologists who start "days" at midnight, the zero point for the Julian Day number system is 00:00 at the start of 1/1/-4712, and this is day 0. Since most days within about 150 years of the present have Julian Day numbers beginning with "24", Julian Day numbers within this 300-odd-year period can be abbreviated.

In 1975 the convention of the modified Julian Day number was adopted: Given a Julian Day number JD, the modified Julian Day number MJD is defined as  $MJD = JD - 2,400,000.5$ . This has two

purposes:

- 1) Days begin at midnight rather than noon.
- 2) For dates in the period from 1859 to about 2130 only five digits need to be used to specify the date rather than seven.

For further information on the Julian Day number systems, an excellent article by Peter Meyer appears on the Internet at [http://www.hermetic.ch/cal\\_stud/jdn.htm](http://www.hermetic.ch/cal_stud/jdn.htm).

In TrayDay you can choose, in Settings/Tooltip, to show the Julian Day number and/or the Modified Julian Day number as a Tooltip - which appears when you move the mouse slowly over the TrayDay icon in the tray. The three decimal places indicate the time of day, starting from noon in the case of Julian Days, and at midnight in the case of Modified Julian Days.

If either of these is selected to appear, it will also display at the top of the menu which appears when a date on the TrayDay calendar is clicked with the left mouse button. In the case of the Julian Day number, the number is shown for the day that begins at noon on the calendar date selected.

Note that the Julian Day number and Modified Julian Day number, when displayed by left-clicking a calendar date, will differ by 1 from what might be expected. For example, January 1, 2000 will show JD:2451545 and MJD:51544. This is because the Modified Julian Day number shows a date which runs from midnight to midnight, while the Julian Day number shows the day which begins at 12noon on that day - the next day.

### 3.8 Time adjustment

The Windows operating system keeps track of Coordinated Universal Time (UTC) or GMT, and refers to it as "system time" (as distinct from "local time"). TrayDay uses this time to work out Julian and Modified Julian Day numbers, which are based on GMT, and to calculate Swatch Internet Time, which is based on Central European Wintertime.

If your time and time zone are set correctly in Windows, then these features should display correctly, and normally no adjustment is required.

It has been noted however that in certain rare circumstances UTC/GMT may not be correctly given by Windows. If this happens, and you are satisfied that your time and time zone are set correctly, then change the adjustment in the Time adjustment dialog until UTC/GMT displays correctly.

### 3.9 Insert by "Typing"

One of the three possible actions on selecting a left-click menu item is Insert. If this option is chosen (through the right-click menu) then text is inserted at the caret of your active or foreground window by simulating keyboard input.

When TrayDay is "typing" in your date, you can abort by left-clicking the TrayDay icon. You should avoid any other mouse button or keyboard presses while the date is being inserted.

Although using Paste is much quicker than Insert, there are advantages in the latter. The clipboard is not used, thus preserving its contents; and if your word-processor has auto-correct or auto-format capabilities, these will be available. For example, if your word-processor automatically superscripts ordinals such as st, nd, rd, th etc, this will only happen if the method chosen is Insert.

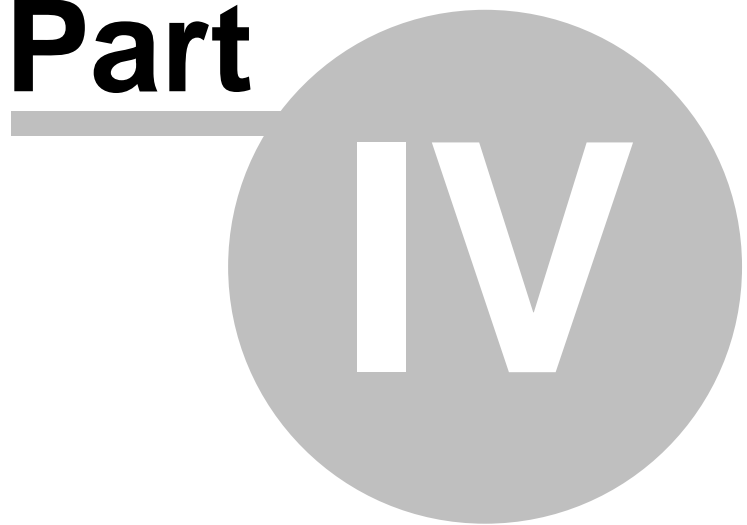
If the date contains a character which cannot be typed by a single combination of keys, such as certain symbols or accented characters, or characters from double or multiple-byte character sets, the text will be pasted in rather than inserted. The range of keys which can be typed directly varies from country to country. *Note that if you are using a Japanese or other double/multi-byte character set, text will always be pasted in - insert by "typing" is not available.*

---

The speed of typing varies according to the speed of your system, whether your hard-drive is being accessed, the complexity of your word-processor, and other factors. You may for example notice a pause after words if your word-processor is busy checking whether they need to be auto-corrected.

# TrayDay User Manual

**Part**



## 4 Technical Support

### 4.1 Known limitations

#### **MS-DOS windows**

TrayDay does not support inserting or pasting the date to an MS-DOS window.

#### **Combo boxes**

The other limitation is sometimes experienced when inserting or pasting the date to combo boxes - edit boxes with an arrow at the right which opens a drop-down list. This is because: when the TrayDay icon is clicked, the active window changes to TrayDay momentarily, and is then returned to the window which had keyboard focus. In most cases, when focus is returned, the caret is also restored to the same point as before, and TrayDay assumes it can start inserting or pasting. This is not always the case in a combo box, and results may be unpredictable; unfortunately it is impossible for TrayDay to detect this.

You can tell if this may happen by positioning the caret where you want text to go, changing to another window, then changing back again. If the caret does not return to the same place, TrayDay will not function correctly there. You can instead choose Copy from the right-click menu, select the appropriate date with the left-click menu, then use Ctrl+V to insert it in the box.

#### **Non-standard user interface**

The above section on Combo boxes may also apply to some programs which have a non-standard user interface. Again, try positioning the caret where you want text to go, changing to another window, then changing back again. If the caret does not return to the same place, TrayDay will not function correctly there.

#### **Screen savers / Power Management**

Some users have reported that if the 'Shift Icon' function is set at every 10 minutes, and both TrayDay and calendar icons are displayed, their screen savers or energy saving routines do not start. It seems that the re-drawing of the taskbar (caused by shifting the icons) generates sufficient activity to keep the computer "awake". If this affects you, either turn off the regular 'Shift Icon', or set it to hourly.

#### **Windows XP**

Changes in the Notification area (previously called the tray) in XP mean some differences in icon behavior in TrayDay. Click [here](#) for more information.

Further Information and Technical Support

### 4.2 Further Information and Support

See also known limitations.

Technical support is available free to unregistered users for a period of 30 days and to registered users for a period of 90 days, starting from your first request to MJMSOFT Design for technical support.

For technical support, or further information, send e-mail to: [support@mjmsoft.com](mailto:support@mjmsoft.com).

Alternatively, visit the TrayDay home page on the World-Wide-Web at: <http://www.trayday.com>.

You will find there the latest version of TrayDay, and another "tray" based program - KeyText.

KeyText stores pieces of text, ready to be typed or pasted into any application. Autotext in your system tray! Has hotkey, multiple clipboard and random quote features, and a miniature "keyboard" lets you "type" with your mouse.

Include in "text" commands to fill in the date, run programs, go to an Internet URL, click buttons, select menu items, play sounds, display messages, and more. Schedule an item and you can run programs at set times, display reminders or alarms, even have an hourly chime.

Windows automation feature: tell KeyText to look out for a certain window/dialog, and completely automate password entries, repetitive dialogs etc. KeyText has 5 password levels to protect private information stored.

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