All the Time for Windows v2.0

INTRO
All the Time for Windows is a customizable clock. In addition to the current time and the date, memory, disk and system resource levels can be monitored if desired.

All the Time requires VBRUN200.DLL (available in the Visual Basic-Win library of the MSBasic forum on CompuServe) and WIN 3.1. It also requires three other .DLL files (included) and the Visual Basic custom control files CMDIALOG.VBX, PICCLIP.VBX, THREED.VBX, and MSCOMM.VBX. All the Time is available in two different archives -- one with the four VBX files and one without.

All the Time is free, and in the public domain.

FILES

ATT.EXE	- the All the Time program

Visual Basic source code

ATT.MAK	- VB project file
ALLTHETIM.FRM	- the main All the Time form (the clock itself)
ATTSET.FRM	- the settings form
ATTABOUT.FRM	- the about box
ATOMIC.FRM	- "atomic clock" communcations form
SETTIME.FRM	- form to set the date/time
ATTMAIN.BAS	- the Main loop
ATTUTIL.BAS	- subroutines
MOON.BAS	- moon phases subroutine
QS.BAS	- quicksort
ATT4WAY2.ICO	- the program icon

Custom controls

CMDIALOG.VBX
THREED.VBX
PICCLIP.VBX
MSCOMM.VBX

Support files

DISKINFO.DLL	- disk information (freeware by Ian Taylor)
CTL3D.DLL	- MS DLL to add 3D effect to common dialogs
ATTSUPP.DLL	- ATT support routines

Chimes

BIGBEN.WAV
CHIME.WAV
CUCKOO.WAV

INSTALL/STARTUP
Copy ATT.EXE to your hard drive and, if you'd like, create a Program Item for it with the Program Manager. Or, simply Run ATT.EXE from the Program Manager's File menu.

VBRUN200.DLL, DISKINFO.DLL, CTL3D.DLL, ATTSUPP.DLL, CMDIALOG.VBX, PICCLIP.VBX. MSCOMM.VBX and THREED.VBX must all be in your Windows system directory to run All the Time. VBRUN200.DLL is available in the Visual Basic-Win library of the MSBasic forum on CompuServe. The DISKINFO, CTL3D and ATTSUPP DLLs are included in both the ATT.ZIP and ATTALL.ZIP archives. The VBX files are available as part of ATTALL.ZIP, or as part of the Visual Basic Programming System for Windows Professional Edition.

OPERATION

Double-click the All the Time program icon. Once the clock is displayed, you can double-click on it to change its settings on the All the Time Settings screen.

All the Time can display any combination of the following seven items, which can be turned on and off via the Settings screen:

Date
Time
Memory - RAM available
Disk drives - space available
Resources - % available
Sun and Moon and Tree - two graphics showing season, moon phase, night/day
+ Menu - list of running programs you can switch to
Print Monitor - printer activity

Preset formats for the date and time can be selected from pull-down lists, or you can customize them using Visual Basic's date and time format codes. A more detailed explanation of those format codes follows these instructions.

The Settings screen also allows you to change the position of the clock, to determine whether its window stays in front of other windows, and to customize the display font. You can also select a WAV file to be played every hour on the hour, and specify whether or not to "ring" the chime according to the hour - one chime at 1:00, two at 2:00, etc.

You can set your system's time and date by clicking the "Set Time..." button and specifying the date and time in the window that's displayed. Or, if you have a modem, you can click on the "Atomic Clock" icon and call a computerized clock in Colorado.

Additionally, there are two [Alt]+[Ctrl] hotkeys in All the Time: [Alt]+[Ctrl]+R rotates the position of the clock from corner to corner clockwise around the screen; and [Alt]+[Ctrl]+T toggles whether the clock is displayed or hidden. These keys can be reassigned if they conflict with hotkeys in your other programs. A third hotkey, [Alt]+=, pulls down the All the Time menu.

All the Time's clock can be dragged manually around the screen, if necessary. It can be returned to a corner position via the Settings screen or the Rotate hotkey.

Monitor print activity via the printer icon, which darkens when

something is being printed. You can double-click on this icon to open the Print Manager window.

DATE/TIME FORMATS

Dates and times are displayed according to the rules that Visual Basic uses to format dates and times, using the format expressions specified on the Settings screen.

Here are the rules, as excerpted from the MicroSoft Visual Basic Language Reference:

> To format dates and times, you can use either the commonly used formats that have been predefined in Visual Basic or create user-defined time formats using standard characters that have special meaning when used in a format expression.
>
> The following table shows the predefined data format names you can use and the meaning of each:

Format Name	Description
General Date	Display a date and/or time. For real numbers, display a date and time. (e.g. 4/3/93 05:34 PM); If there is no fractional part, display only a date (e.g. 4/3/93); if there is no integer part, display time only (e.g. 05:34 PM).
Long Date	Display a Long Date, as defined in the International section of the Control Panel.
Medium Date	Display a date in the same form as the Short Date, as defined in the International section of the Control Panel, except spell out the month abbreviation.
Short Date	Display a Short Date, as defined in the International section of the Control Panel.
Long Time	Display a Long Time, as defined in the International section of the Control Panel. Long Time includes hours, minutes, seconds.
Medium Time	Display time in 12-hour format using hours and minutes and the AM/PM designator.
Short Time	Display a time using the 24-hour format (e.g. 17:45)

> The following table shows the characters you can use to create user-defined date/time formats and the meaning of each:

Character	Meaning
c	Display the date as ddddd and display the time as t t t t t, in that order. Only date information is displayed if there is no fractional part to the date serial number; only time information is displayed if there is no

	integer portion.
d	Display the day as a number without a leading zero (1-31).
dd	Display the day as a number with a leading zero (01-31).
ddd	Display the day as an abbreviation (Sun-Sat).
dddd	Display the day as a full name (Sunday-Saturday).
ddddd	Display a date serial number as a complete date (including day, month, and year) formatted according to the Short Date setting in the International section of the Windows Control Panel. The default Short Date format is m/d/yy.
dddddd	Display a date serial number as a complete date (including day, month, and year) formatted according to the Long Date setting in the International section of the Control Panel. The default Long Date format is mmmm dd, yyyy.
w	Display the day of the week as a number (1 for Sunday through 7 for Saturday.)
ww	Display the week of the year as a number (1-53).
m	Display the month as a number without a leading zero (1-12). If m immediately follows h or hh, the minute rather than the month is displayed.
mm	Display the month as a number with a leading zero (01-12). If m immediately follows h or hh, the minute rather than the month is displayed.
mmm	Display the month as an abbreviation (Jan-Dec).
mmmm	Display the month as a full month name (January-December).
q	Display the quarter of the year as a number (1-4).
y	Display the day of the year as a number (1-366).
yy	Display the year as a two-digit number (00-99).
yyyy	Display the year as a four-digit number (100-9999).
h	Display the hour as a number without leading zeros (0-23).
hh	Display the hour as a number with leading zeros (00-23).
n	Display the minute as a number without leading zeros (0-59).
nn	Display the minute as a number with leading zeros (00-59).
s	Display the second as a number without leading zeros (0-59).
ss	Display the second as a number with

	leading zeros (00-59).
t t t t t	Display a time serial number as a complete time (including hour, minute, and second) formatted using the time separator defined by theTime Format in the International section of the Control Panel. A leading zero is displayed if the Leading Zero option is selected and the time is before 10:00 A.M. or P.M. The default time format is h:mm:ss.
AM/PM	Use the 12-hour clock and display an uppercase AM with any hour before noon; display an uppercase PM with any hour between noon and 11:59 PM.
am/pm	Use the 12-hour clock and display a lowercase AM with any hour before noon; display a lowercase PM with any hour between noon and 11:59 PM.
A/P	Use the 12-hour clock and display an uppercase A with any hour before noon; display an uppercase P with any hour between noon and 11:59 PM.
a/p	Use the 12-hour clock and display a lowercase A with any hour before noon; display a lowercase P with any hour between noon and 11:59 PM.
AMPM	Use the 12-hour clock and display the contents of the 1159 string (s1159) in the WIN.INI file with any hour before noon; display the contents of the 2359 string (s2359) with any hour between noon and 11:59 PM. AMPM can be either uppercase or lowercase, but the case of the string displayed matches the string as it exists in the WIN.INI file. The default format is AM/PM.
:	Time separator. The time separator separates hours, minutes, and seconds when time values are formatted. The actual character used as the time separator depends on the Time Format specified in the International section of the Control Panel.
/	Date separator. The date separator separates the day, month, and year when date values are formatted. The actual character used as the date separator in the formatted output depends on Date format specified in the International section of the Control Panel.

The following are examples of user-defined date and time formats:

Format	Display
m/d/yy	12/7/58

d-mmmm-yy	7-December-58
d mmmm	7 December
mmmm yy	December 58
hh:mm AM/PM	08:50 PM
h:mm:ss a/p	8:50:35 p
h:mm	20:50
h:mm:ss	20:50:35
m/d/yy h:mm	12/7/58 20:50

TIPS TO COMBAT ADVANCED CASES OF ENNUI:

Drag the clock slowly across the Settings window, over a Program Manager window three or four layers back, or around a PROCOMM PLUS window. Wow.

Switch your font to WingDings.

Type words into the Date or Time format box (put quotes around them).

Enter jumbled formats like "d/h/ss" into the Time format box.

Make your font really big.

Make your font really big, and use "ss" as your Time format. Show only the time. Remember that you can drag the clock around, even if it covers your entire screen. heh heh.

Download the 1-900-WEATHER guy's voice <tm> from MACFF on CIS, convert the sounds to PC format, and choose an inappropriate "houry sound."

VERSION HISTORY

Version 1.1 corrects one major bug in the display of the tree season graphic. In version 1.0, only one Autumn tree was displayed, regardless of the date and time.

Version 1.1 introduced several new features:
- Clock can be moved anywhere, and its position saved.
- "Houry sound"
- Largest memory block status
- Free disk space status
- Variable spacing
- Ability to re-order clock components
- Task-switch menu

Version 2.0 corrects an extremely pesky, intermittent "Out of Stack Space" error.

Version 2.0 also introduces a few more features:
- Monitor printer activity
- Set the system date and time.
- Dial the "Atomic Clock" in Colorado to set the system time.
- Ring the hourly chime according to the hour - one chime at 1:00, two at 2:00, etc.

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DISCLAIMERS/FINE PRINT
All the Time is in the public domain, and is free. No warranties, no liabilities, sorry. Visual Basic source code is included for those who like to tinker or plunder. Enjoy.

If you have questions, comments, or are given to spontaneous outbursts of enthusiastic praise, we can be reached on CIS at 70741,422, or as neslon@panix.com on the Internet.

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