

ABeat

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REVISION HISTORY

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Chapter 1

ABeat

1.1 ABeat manual

ABeat v1.6

- I. Overview What is ABeat?
- II. Copyright and Warranty You should have a look here, too.
- III. Requirements You need the following...
- IV. Installation It's very, very easy.
- V. Usage How to use ABeat
- VI. ToolTypes Arguments to change program status.
- VII. ARexx commands How to use the ARexx-Port?
- VIII. Thanks Whom I want to thank.

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1.2 overview

What is ABeat

ABeat is a program that shows you the Swatch(tm)-Internet-Time, called Beat(tm). For further information about Beat(tm) you should have a look on the swatch-homepage: <http://www.swatch.com>.

What is different to all the other Amiga Beat programs and why should i use ABeat?

- ABeat has an ARexx-Port [ABEAT].
- ABeat offers an alarm-clock.
- ABeat shows you the BMT (BielMeanTime) date, too.
`->~other Amiga-Beat-programs shows you the local-date.
- ABeat shows you the GMT time and or the local time, if requested.
- ABeat is small (smallest Amiga-Beat program!).
- ABeat is font- and size-sensitiv.
- ABeat uses locale.library to get the correct time-zone.
- ABeat supports \$IXGMTOFFSET, \$SUMMERTIME, \$TZONE and \$TZ variable.
- ABeat runs nearly synchronized with the Swatch-Beat(tm). Other Amiga-Beat programs fail, visit the Swatch(tm) Homepage and watch yourself.

1.3 copyright

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1.4 tooltypes

ToolTypes

DST = Sets daylight saving time (DST). Use this ToolType if you don't use one of the supported environment-variables.

SHOWGMT = Shows you the GMT time in the window.

SHOWLOCAL = Shows you the local time in the window.

TOP = Window offset from top of the screen.

LEFT = Window offset from left of the screen.

If you don't use TOP/LEFT tooltype, the window will be placed left to the depth gadget.

1.5 arexx

ARexx

ABeat supports a very simple ARexx-Port. The port's name is "ABEAT". ABeat provides the following ARexx commands:

BEAT - returns the actual BEAT in RESULT.

DATE - returns the BMT Date in RESULT.

TIME - returns the local time in RESULT.
GMTTIME - returns the GMT time in RESULT.
ALARM - returns the wake-up BEAT in RESULT.
SET <Beat> - set the wake-up call to the given <Beat>.
ON - switches wake-up call ON.
OFF - switches wake-up call OFF.
ALARMGUI - opens the wake-up-time window.
STATUS - returns WARN if alarm-clock is OFF.
QUIT - quits ABeat.

You'll find the following example scripts in the release-archiv:

ABeat.rexx - A script including all ABeat-ARexx-commands.
Beat2Ced.ced - includes BMT-Date and Beat to the cursor position.

1.6 thanks

Thanks

Thomas Richter - for the THOR programming style-guide, the help and
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Jörg Strohmayr - for the hints with locale.library and DST variables.

Sebastian Bauer - for Beta-testing, ARexx hints and especially SimpleFind3.

Stefan Falke - for SetDST and some good ideas for ABeat.

Robert Goodlett and
Moses Wildermuth - for several Guide error-checking.

Roger McVey - for the original NewIcon Icon.

1.7 requirements

Requirements

- OS V38+ (2.04) ABeat requires locale system.
 - DST (Daylight Saving Time) environment.
↳ ABeat supports \$SUMMERTIME, \$IXGMTOFFSET, \$TZONE and \$TZ variable.
-

1.8 use

Usage

You can start ABeat from either Shell or Workbench. ABeat gets the current time zone from locale system. You can set your local time zone with the Locale-Prefs program.

ABeat has to know if it's summer- or wintertime (DST). Amiga does not have a DST (daylight saving time) standard, therefore ABeat supports different environment to get the correct DST (in order of usage):

- \$SUMMERTIME
- \$IXGMTOFFSET
- \$TZONE
- \$TZ

Summertime Guard sets the variable \$SUMMERTIME to ON or OFF. This means, if \$SUMMERTIME is ON it's summer-time.

\$IXGMTOFFSET allows Unix timezone-handling to be used with ixemul.library. Since ixemul.library reads the IXGMTOFFSET environment variable just after it is loaded into memory, it is sufficient to use ixtimezone only when Daylight Saving Time (DST) starts or ends.

\$TZONE will be set by SetDST to STD and DST. This means, if \$TZONE use a DST offset, it's summer-time. Please read the SetDST documentation for further information. You'll find the SetDST.lha archiv on Aminet (util/time).

\$TZ will be used directly as a specification of the time conversion information.

Further information:

ABeat offers a simple alarm-clock. If you want to set the alarm-clock you can use the ARexx-Port from ABeat or you can open the window by pressing the "w" key.

ABeat open it's window on the default public screen. ABeat requesters will be open on the same screen.

1.9 installation

Installation

No special installation is required, simply copy ABeat and the icon to any directory you like.
