

The `casiofont` package

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This package provides support for the [Casio ClassWiz](#) font, available from the Casio web site. The font itself is *not* included in the distribution. The package requires compilation with XeLaTeX or LuaLaTeX.

Installation

MikTeX The package is included in MikTeX and should be installed normally using the MikTeX package manager if it is not already installed.

TeX Live Because TeX Live has much stricter licensing requirements, the package is not included in TeX Live because it provides support for a non-free (in the Free Software sense) font. You must therefore install the package yourself in your local `texmf` directory. To do this make two directories (folders): `texmf/tex/latex/casiofont` and `texmf/doc/casiofont`. Put `casiofont.sty` into the `texmf/tex/latex/casiofont` directory, and `casiofont.pdf` into the `texmf/doc/casiofont` directory.

Support

The package is hosted at [GitHub](#). I welcome suggestions for better names, since I don't use the calculator myself.

Character commands (roughly sorted)

Table 1: Calculator Functions

<code>\casioAC</code>		<code>\Alpha</code>		<code>\Ans</code>	
<code>\Calc</code>		<code>\casioAC</code>		<code>\Eng</code>	
<code>\LineFrac</code>		<code>\Menu</code>		<code>\MixedFrac</code>	$(a\frac{b}{c}+\frac{d}{e})$
<code>\Mminus</code>	$(M-)$	<code>\Mplus</code>		<code>\Optn</code>	
<code>\Setup</code>		<code>\Simp</code>		<code>\Sto</code>	

Table 2: Movement and arrows

<code>\BackArrow</code>		<code>\DownArrow</code>		<code>\LeftArrow</code>	
<code>\RightArrow</code>		<code>\UpArrow</code>		<code>\Shift</code>	
<code>\Del</code>					

Table 3: Mathematical Functions

<code>\Abs</code>		<code>\casioCos</code>			
<code>\casioLn</code>		<code>\casioLog</code>		<code>\casioSin</code>	
<code>\casioTan</code>		<code>\InverseCos</code>	(\cos^{-1})	<code>\InverseSin</code>	(\sin^{-1})
<code>\InverseTan</code>	(\tan^{-1})	<code>\logParen</code>	(\log)	<code>\Sen</code>	

Table 4: Calculus

<code>\casioIntegral</code>		<code>\casioProd</code>	(\prod)	<code>\casioSum</code>	(\sum)
<code>\dydx</code>	$(\frac{d}{dx})$				

Table 5: Roots and Exponents

<code>\Cube</code>	(x^3)	<code>\CubeParen</code>	(x^3)	<code>\CubeRoot</code>	$(\sqrt[3]{\square})$
<code>\eExp</code>	(e^{\square})	<code>\nExp</code>	(x^{\square})	<code>\nLog</code>	(\log_{\square})
<code>\nRoot</code>	$(\sqrt[n]{\square})$	<code>\nTen</code>	(10^{\square})	<code>\SquareRoot</code>	$(\sqrt{\square})$

Table 6: Misc Math Functions

<code>\Factorial</code>	$(x!)$	<code>\Inverse</code>	(x^{-1})	<code>\InverseParen</code>	(x^{-1})
<code>\xTenx</code>	$(\times 10^{\square})$	<code>\divR</code>	$(\div R)$		

Table 7: Basic Math Operators

<code>\Divide</code>	(\div)	<code>\Equal</code>	$(=)$	<code>\Minus</code>	$(-)$
<code>\Percent</code>	$(\%)$	<code>\Plus</code>	$(+)$	<code>\Sim</code>	(\approx)
<code>\Times</code>	(\times)				

Table 8: Variables and constants

`\casioPi` (π) `\casioX` (x) `\casioY` (y) `\iParen` (i)

Table 9: Other Symbols

`\InverseParen` (x') `\angleParen` (\angle) `\casioComma` (,)
`\casioDblParen` ((\blacksquare)) `\casioDot` (\bullet) `\casioLParen` ($($)
`\casioObar` ($\overline{\blacksquare}$) `\casioOdot` ($\dot{\blacksquare}$) `\casioRParen` ($)$)
`\CommaParen` (,) `\DegRadGrad` ($^{\circ}$)

Table 10: Fractions

`\Frac` ($\frac{\blacksquare}{\blacksquare}$) `\FracMult` ($\blacksquare \frac{\blacksquare}{\blacksquare}$)

Table 11: Digits

`\Zero` ($\boxed{0}$) `\One` ($\boxed{1}$) `\Two` ($\boxed{2}$)
`\Three` ($\boxed{3}$) `\Four` ($\boxed{4}$) `\Five` ($\boxed{5}$)
`\Six` ($\boxed{6}$) `\Seven` ($\boxed{7}$) `\Eight` ($\boxed{8}$)
`\Nine` ($\boxed{9}$)

Table 12: Unknown

`\UnknownA` (菜单) `\UnknownB` (开机)

Table 13: Alphabetical List

\Abs		\Alpha		\angleParen	(\angle)
\Ans		\BackArrow		\Calc	
\casioAbs	(Abs)	\casioAC		\casioComma	
\casioCos		\casioDblParen	(())	\casioDot	
\casioIntegral		\casioLn		\casioLog	
\casioLParen		\casioObar	()	\casioOdot	()
\casioPi	(π)	\casioProd	()	\casioRParen	
\casioSin		\casioSum	()	\casioTan	
\casioX		\casioY		\CommaParen	(,)
\Cube		\CubeParen	(x^3)	\CubeRoot	($\sqrt[3]{\square}$)
\DegRadGrad		\Del		\Divide	
\divR		\DownArrow		\dydx	($\frac{d}{dx}$)
\eExp	(e^{\square})	\Eight		\Eng	
\Equal		\Factorial		\Five	
\Four		\Frac		\FracMult	($\square \frac{\square}{\square}$)
\Inverse		\InverseCos	(\cos^{-1})	\InverseParen	(x^{-1})
\InverseSin	(\sin^{-1})	\InverseTan	(\tan^{-1})	\iParen	(i)
\LeftArrow		\LineFrac		\logParen	(log)
\Menu		\Minus		\minusParen	(\neg)
\MixedFrac	($a\frac{b}{c}+d\frac{e}{f}$)	\Mminus	(M-)	\Mplus	
\nExp		\Nine		\nLog	
\nRoot	($\sqrt[n]{\square}$)	\nTen	(10^{\square})	\One	
\Optn		\Percent	(%)	\Plus	
\RightArrow		\Sen		\Setup	(SETUP)
\Seven		\Shift		\Sim	(\approx)
\Simp		\Six		\SquareRoot	
\Sto		\switchMixedFrac		\Three	
\Times		\Two		\UnknownA	
\UnknownB		\UpArrow		\xTenx	
\Zero					