

ClassWiz X/CW Display

v3.000

-脱碳甲醛-

October 20, 2023

Table of Contents

1 Overview	1
2 Usage Instructions	2
3 Character List	2
3.1 Standard CJK Characters	2
3.2 Kana	8
3.3 Chinese characters and CJK punctuation	9
3.4 Private Use Characters	13
4 Revision History	14
4.1 ClassWiz X Display	14
4.2 ClassWiz CW Display	15

1 Overview

ClassWiz X Display (hereinafter referred to as "Font X" and ClassWiz CW Display (hereinafter referred to as "Font CW") were created by the [Baidu Tieba](#) [fx-es\(ms\)](#) bar user @-脱碳甲醛- based on the LCD screen display styles of the ClassWiz series function calculators developed by CASIO Computer Co., Ltd. They are part of the "ClassWiz Screen Display" series. The "ClassWiz Screen Display" series aims to help calculator enthusiasts document various phenomena they discover, making it convenient to digitize documents. The series includes four fonts:

- ClassWiz X Display;
- ClassWiz CW Display;
- ClassWiz Math X;
- ClassWiz Math CW.

Font X and CW are both used for regular text input. Font X and CW both contain all the Chinese characters of the X series and CW series CN versions, as well as all the kana and Japanese characters of the X series JP version. In addition, both fonts include all the Western characters and special symbols used in all versions. Please read the instructions before use.

Thank you to [@喜羊羊第x代](#) and [@Astro_2539](#) for their strong support during the production process. If you have any questions or suggestions about the "ClassWiz Screen Display" series, please feel free to contact us via Tieba or send an email to windy_d@foxmail.com.

The production of this font is not associated with CASIO Computer Co., Ltd., CASIO and ClassWiz are trademarks owned by CASIO Computer Co., Ltd.

2 Usage Instructions

The characters in Font X and Font CW are divided into four sections: regular non-CJK characters, kana characters, Chinese characters and CJK punctuation, and private use area characters. The detailed character lists can be found in the next section. Both fonts are provided in both **ttf** and **otf** formats, with **ttf** files recommended for use on Windows systems.

"Regular non-CJK characters," as described in section 3.1, include any non-CJK characters used in calculators that can be found in Unicode and are at least similar in form. This category encompasses but is not limited to Latin letters, Cyrillic letters, some mathematical operators, and certain graphic symbols.

"Kana characters," as described in section 3.2, include all kana characters from the JP series. The kana characters in the X series and CW series calculators have different shapes and are included in Font X and Font CW, respectively. Some kana characters in this font do not appear in the calculator; they are derived based on existing kana characters by analogy.

"Chinese characters, kana, and CJK punctuation," as described in section 3.3, include all Chinese characters used in the CN series and all Japanese kanji characters used in the JP series. The handling method for Chinese characters and Japanese kanji characters sharing the same code point is explained in the following text.

"Private use characters," as described in section 3.4, include characters used in calculators that cannot be found in Unicode. All these characters are placed in the Private Use Area (PUA). NOTE: Due to the 11-pixel width of Japanese unit characters in the JP version, while regular CJK characters are 12 pixels wide, Japanese unit characters are included in the private use area.

In this font, U+2592 "Medium Shade" is used to represent all garbled characters; U+FE00 "Variation Selector-1" is used to select alternate glyph forms within the same code point. Note: When typing "box" or "cursor at full input", please use **U+25A1**, **U+2B1C**, **U+25A0**, or **U+2B1B**, the use of private use area characters is highly discouraged, they are currently retained for compatibility purposes only. As of now, the Chinese character glyphs in Font X and Font CW are identical, except for U+4E2D "中" (中 vs. 中).

If a Chinese character and a Japanese kanji character share the same code point, the default display is the Chinese character. In this case, you can add U+FE00 "Variation Selector-1" after the character, or use the OpenType feature "ss01" (Style Set 1) to switch to the Japanese kanji character. The same applies to U+0102 and U+0111.

Apart from this, some private use area characters can also be obtained through the use of the ss01 feature with regular characters or by combining them. Table 1 below lists the common replacement methods for fonts X and font CW, and Table 2 lists the specific methods for font CW. Note: If the input method consists of a combination of two characters, be sure to enable "contextual alternates" in Word.

Unicode	Char	Alt I/P Methods
U+E001	A	⁰⁰⁴¹ A + ss01
U+E002	B	⁰⁰⁴² B + ss01
U+E003	C	⁰⁰⁴³ C + ss01
U+E004	D	⁰⁰⁴⁴ D + ss01
U+E005	E	⁰⁰⁴⁵ E + ss01
U+E006	F	⁰⁰⁴⁶ F + ss01
U+E007	P	⁰⁰⁵⁰ P + ss01
U+E024	┘	^{002F} / + ss01
U+E025	□	⁰⁰⁸⁰ ○ + ss01
U+E026	—	^{005F} — + ss01

Table 1: Some alternative input methods for PUA characters

Unicode	Char	Alt I/P Methods
U+E02E	◀	^{25B6} ▶ + ss01
U+E02F	▶	^{25C0} ◀ + ss01
U+E030	◀▶	^{25B6} ▶ + ^{25C0} ◀
U+E031	◀▶	^{25B2} ▲ + ^{25BC} ▼
U+E032	⌛	^{25B7} ⌛ + ss01
U+E033	⌛	^{25C1} ◀ + ss01
U+E038	⦿	²⁶⁰⁴ ⦿ + ss01

Table 2: Alternative input methods for some PUA characters in the CW series

3 Character List

3.1 Standard CJK Characters

Unicode	X	CW	Description	Unicode	X	CW	Description
0020			Space	004F	O	O	
0021	!	!	Exclamation mark	0050	P	P	
0022	"	"	Double quotes	0051	Q	Q	
0023	#	#	Hashtag	0052	R	R	
0024	\$	\$	Dollar sign	0053	S	S	
0025	%	%	Percent sign	0054	T	T	
0026	&	&	“And” sign	0055	U	U	
0027	'	'	Single quotes	0056	V	V	
0028	(	(	Half-width left bracket	0057	W	W	
0029	)	)	Half-width right bracket	0058	X	X	
002A	•	•	Asterisk	0059	Y	Y	
002B	+	+	Plus	005A	Z	Z	
002C	,	,	Half-width comma	005B	[	[	Half-width left square bracket
002D	—	—	Hyphen, minus	005D	]	]	Half-width right square bracket
002E	.	.	Half-width dot number	005E	^	^	Circumflex
002F	/	/	Forward slash	005F	_	_	Underscore
0030	0	0		0061	a	a	
0031	1	1		0062	b	b	
0032	2	2		0063	c	c	
0033	3	3		0064	d	d	
0034	4	4		0065	e	e	
0035	5	5		0066	f	f	
0036	6	6		0067	g	g	
0037	7	7		0068	h	h	
0038	8	8		0069	i	i	
0039	9	9		006A	j	j	
003A	:	:	Half-width colon	006B	k	k	
003B	;	;	Half-width semicolon	006C	l	l	
003C	<	<	Less than sign	006D	m	m	
003D	=	=	Equal sign	006E	n	n	
003E	>	>	Greater than sign	006F	o	o	
003F	?	?	Half-width question mark	0070	p	p	
0040	@	@	at	0071	q	q	
0041	A	A		0072	r	r	
0042	B	B		0073	s	s	
0043	C	C		0074	t	t	
0044	D	D		0075	u	u	
0045	E	E		0076	v	v	
0046	F	F		0077	w	w	
0047	G	G		0078	x	x	
0048	H	H		0079	y	y	
0049	I	I		007A	z	z	
004A	J	J		007B	{	{	Left half-width curly brace
004B	K	K		007C	|	|	Vertical line (used as cursor)
004C	L	L		007D	}	}	Right half-width curly brace
004D	M	M		007E	~	~	Tilde
004E	N	N		00A0			Non-breaking space

Unicode	X	CW	Description	Unicode	X	CW	Description
00A1	¡	¡	Inverted exclamation mark	00E9	é	é	
00B0	º	º	Angle	00EA	ê	ê	
00B2	²	²	Superscript 2	00EB	ë	ë	
00B3	³	³	Superscript 3	00EC	ì	ì	
00B9	¹	¹	Superscript 1	00ED	í	í	
00BF	¿	¿	Inverted question mark	00EE	î	î	
00C0	À	À		00EF	ï	ï	
00C1	Á	Á		00F0	ð	ð	
00C2	Â	Â		00F1	ñ	ñ	
00C3	Ã	Ã		00F2	ò	ò	
00C4	Ä	Ä		00F3	ó	ó	
00C5	Å	Å		00F4	ô	ô	
00C6	Æ	Æ		00F5	õ	õ	
00C7	Ç	Ç		00F6	ö	ö	
00C8	È	È		00F7	÷	÷	Division sign
00C9	É	É		00F8	ø	ø	
00CA	Ê	Ê		00F9	ù	ù	
00CB	Ë	Ë		00FA	ú	ú	
00CC	Ì	Ì		00FB	û	û	
00CD	Í	Í		00FC	ü	ü	
00CE	Î	Î		00FD	ý	ý	
00CF	Ï	Ï		00FE	þ	þ	
00D0	Ð	Ð		00FF	ÿ	ÿ	
00D1	Ñ	Ñ		0102	Ă	Ă	Font X has ss01 glyph Ă
00D2	Ò	Ò		0103	ă	ă	
00D3	Ó	Ó		0104	Ą	Ą	
00D4	Ô	Ô		0105	ą	ą	
00D5	Õ	Õ		0106	Ć	Ć	
00D6	Ö	Ö		0107	ć	ć	
00D7	×	×	Multiply sign	0108	Č	Č	
00D8	Ø	Ø		010D	č	č	
00D9	Ù	Ù		010E	Ď	Ď	
00DA	Ú	Ú		010F	ď	ď	Font X has ss01 glyph ď
00DB	Û	Û		0110	Đ	Đ	
00DC	Ü	Ü		0111	đ	đ	
00DD	Ý	Ý		0114	Ě	Ě	
00DE	Þ	Þ		0118	ě	ě	
00DF	ß	ß		0119	ē	ē	
00E0	à	à		011B	ë	ë	
00E1	á	á		0128	Ī	Ī	
00E2	â	â		0129	ĩ	ĩ	
00E3	ã	ã		0139	Ĺ	Ĺ	
00E4	ä	ä		013A	ĺ	ĺ	
00E5	å	å		013E	Ľ	Ľ	
00E6	æ	æ		0141	Ł	Ł	
00E7	ç	ç		0142	ł	ł	
00E8	è	è		0143	Ń	Ń	

Unicode	X	CW	Description	Unicode	X	CW	Description
0144	ń	ń		0402	Ђ	Ђ	
0147	Ñ	Ñ		0408	Ј	Ј	
0148	ň	ň		0409	Љ	Љ	
0150	Õ	Õ		040A	Њ	Њ	
0151	õ	õ		040B	Ћ	Ћ	
0152	Œ	Œ		040F	Ц	Ц	
0153	œ	œ		0410	А	А	
0154	Ř	Ř		0411	Б	Б	
0155	ř	ř		0412	В	В	
0158	Ř	Ř		0413	Г	Г	
0159	ř	ř		0414	Д	Д	
015A	Š	Š		0415	Е	Е	
015B	š	š		0416	Ж	Ж	
0160	Š	Š		0417	З	З	
0161	š	š		0418	И	И	
0164	Ť	Ť		0419	Й	Й	
0165	ť	ť		041A	К	К	
0168	Ů	Ů		041B	Л	Л	
0169	ů	ů		041C	М	М	
016E	Ű	Ű		041D	Н	Н	
016F	ű	ű		041E	О	О	
0170	Ū	Ū		041F	П	П	
0171	ū	ū		0420	Р	Р	
0178	Ÿ	Ÿ		0421	С	С	
0179	Ž	Ž		0422	Т	Т	
017A	ž	ž		0423	У	У	
017B	Ž	Ž		0424	Ф	Ф	
017C	ž	ž		0425	Х	Х	
017D	Ž	Ž		0426	Ц	Ц	
017E	ž	ž		0427	Ч	Ч	
0189	Ð			0428	Ш	Ш	
01A0	Œ	Œ		0429	Щ	Щ	
01A1	œ	œ		042A	Ъ	Ъ	
01AF	Ů	Ů		042B	Ы	Ы	
01B0	ů	ů		042C	Ь	Ь	
01C5	Đ	Đ		042D	Э	Э	
01C6	đ	đ		042E	Ю	Ю	
01C8	Ĺ	Ĺ		042F	Я	Я	
01C9	ĺ	ĺ		0430	а	а	
01CB	Ŋ	Ŋ		0431	б	б	
01CC	ŋ	ŋ		0432	в	в	
026A	ı	ı	Subscript I	0433	г	г	
0274	ₙ	ₙ	Subscript N	0434	д	д	
0299	ₑ	ₑ	Subscript B	0435	е	е	
02B3	ᵣ	ᵣ	Superscript r	0436	ж	ж	
03B1		α		0437	з	з	
0401	È	È		0438	и	и	

Unicode	X	CW	Description	Unicode	X	CW	Description
0439	Й	Й		1EA9	Ǻ	Ǻ	
043A	К	К		1EAA	ǻ	ǻ	
043B	Л	Л		1EAB	Ǽ	Ǽ	
043C	М	М		1EAC	Ǿ	Ǿ	
043D	Н	Н		1EAD	ǿ	ǿ	
043E	О	О		1EAE	Ǻ	Ǻ	
043F	П	П		1EAF	ǻ	ǻ	
0440	Р	Р		1EB0	Ǽ	Ǽ	
0441	С	С		1EB1	ǽ	ǽ	
0442	Т	Т		1EB2	Ǿ	Ǿ	
0443	У	У		1EB3	ǿ	ǿ	
0444	Ф	Ф		1EB4	Ǻ	Ǻ	
0445	Х	Х		1EB5	ǻ	ǻ	
0446	Ц	Ц		1EB6	Ǽ	Ǽ	
0447	Ч	Ч		1EB7	ǽ	ǽ	
0448	Ш	Ш		1EB8	Ẽ	Ẽ	
0449	Щ	Щ		1EB9	ẽ	ẽ	
044A	Ъ	Ъ		1EBA	Ẽ	Ẽ	
044B	Ы	Ы		1EBB	ẽ	ẽ	
044C	Ь	Ь		1EBC	Ẽ	Ẽ	
044D	Э	Э		1EBD	ẽ	ẽ	
044E	Ю	Ю		1EBE	Ẽ	Ẽ	
044F	Я	Я		1EBF	ẽ	ẽ	
0451	Ё	Ё		1EC0	Ẽ	Ẽ	
0452	Ђ	Ђ		1EC1	ẽ	ẽ	
0458	Ј	Ј		1EC2	Ẽ	Ẽ	
0459	Љ	Љ		1EC3	ẽ	ẽ	
045A	Њ	Њ		1EC4	Ẽ	Ẽ	
045B	Ћ	Ћ		1EC5	ẽ	ẽ	
045F	Ў	Ў		1EC6	Ẽ	Ẽ	
1D00	ᴀ	ᴀ	Subscript A	1EC7	ẽ	ẽ	
1D04	ᶜ	ᶜ	Subscript C	1EC8	ᵢ	ᵢ	
1D0A	ᵐ	ᵐ	Subscript J	1EC9	ᵢ	ᵢ	
1D0B	ᵏ	ᵏ	Subscript K	1ECA	ᵢ	ᵢ	
1D18	ᵖ	ᵖ	Subscript P	1ECB	ᵢ	ᵢ	
1D1B	ᵗ	ᵗ	Subscript T	1ECC	ᵐ	ᵐ	
1D4D	ᶑ	ᶑ	Superscript g	1ECD	ᵐ	ᵐ	
1D64	ᵘ	ᵘ	Subscript u	1ECE	ò	ò	
1EA0	Ǻ	Ǻ		1ECF	ò	ò	
1EA1	ǻ	ǻ		1ED0	õ	õ	
1EA2	Ǽ	Ǽ		1ED1	õ	õ	
1EA3	Ǿ	Ǿ		1ED2	õ	õ	
1EA4	ǿ	ǿ		1ED3	õ	õ	
1EA5	Ǻ	Ǻ		1ED4	õ	õ	
1EA6	ǻ	ǻ		1ED5	õ	õ	
1EA7	Ǽ	Ǽ		1ED6	õ	õ	
1EA8	Ǿ	Ǿ		1ED7	õ	õ	

Unicode	X	CW	Description	Unicode	X	CW	Description
1ED8	◌̈	◌̈		2085	₅	₅	Subscript 5
1ED9	◌̉	◌̉		2086	₆	₆	Subscript 6
1EDA	◌̊	◌̊		2087	₇	₇	Subscript 7
1EDB	◌̋	◌̋		2088	₈	₈	Subscript 8
1EDC	◌̌	◌̌		2089	₉	₉	Subscript 9
1EDD	◌̍	◌̍		208B	-	-	Subscript minus sign
1EDE	◌̎	◌̎		208D	[	[	Subscript left bracket
1EDF	◌̏	◌̏		208E	]	]	Subscript right bracket
1EE0	◌̐	◌̐		2091	ₑ	ₑ	Subscript e
1EE1	◌̑	◌̑		2095	ₕ	ₕ	Subscript h
1EE2	◌̒	◌̒		2098	ₘ	ₘ	Subscript m
1EE3	◌̓	◌̓		2099	ₙ	ₙ	Subscript n
1EE4	◌̔	◌̔		209A	ₚ	ₚ	Subscript p
1EE5	◌̕	◌̕		209C	ₜ	ₜ	Subscript t
1EE6	◌̖	◌̖		210F	ℏ	ℏ	Reduced Planck constant
1EE7	◌̗	◌̗		2113	ℓ	ℓ	Handwritten l
1EE8	◌̘	◌̘		212B	Å	Å	Eggstrom (unit of length)
1EE9	◌̙	◌̙		2192	→	→	Right arrow
1EEA	◌̚	◌̚		21BA	↻	↻	Counterclockwise arrow
1EEB	◌̛	◌̛		21D2	⇒	⇒	Double-line right arrow
1EEC	◌̜	◌̜		21E9	⇩	⇩	Hollow down arrow
1EED	◌̝	◌̝		220F	Π	Π	Product
1EEE	◌̞	◌̞		2211	Σ	Σ	Sum
1EEF	◌̟	◌̟		2212	-	-	Negative sign
1EF0	◌̠	◌̠		221A	√	√	Root sign
1EF1	◌̡	◌̡		221B	³√	³√	Cube root sign
1EF2	◌̢	◌̢		2220	∠	∠	Angle
1EF3	◌̣	◌̣		222B	∫	∫	Integral
1EF4	◌̤	◌̤		2260	≠	≠	Inequality sign
1EF5	◌̥	◌̥		2264	≤	≤	Less than or equal sign
1EF6	◌̦	◌̦		2265	≥	≥	Greater than or equal sign
1EF7	◌̧	◌̧		22C5	•	•	Dot multiplication, inner product
1EF8	◌̨	◌̨		2592	▒	▒	Shadow (represents garbled characters)
1EF9	◌̩	◌̩		25A0	▀	▀	Cursor when input is almost full
2026	…	…	Ellipsis	25A1	□	□	Box
2070	⁰	⁰	Superscript 0	25B2	▲	▲	Upward solid triangle
2074	⁴	⁴	Superscript 4	25B6	▶	▶	Rightward solid triangle
2075	⁵	⁵	Superscript 5	25B7	▷	▷	Rightward hollow triangle
2076	⁶	⁶	Superscript 6	25B8	▸	▸	Rightward solid small triangle
2077	⁷	⁷	Superscript 7	25BC	▼	▼	Downward solid triangle
2078	⁸	⁸	Superscript 8	25C0	◀	◀	Leftward solid triangle
2079	⁹	⁹	Superscript 9	25C1	◁	◁	Leftward hollow triangle
2080	₀	₀	Subscript 0	25C9	⦿	⦿	Active option
2081	₁	₁	Subscript 1	25CB	◯	◯	Inactive option
2082	₂	₂	Subscript 2	2681	🎲	🎲	Dice
2083	₃	₃	Subscript 3	26D4	⊘	⊘	Prohibition sign
2084	₄	₄	Subscript 4	2B1B	▀	▀	Cursor when input is almost full

Unicode	X	CW	Description	Unicode	X	CW	Description
2B1C	□	□	Box	1D48A	<i>i</i>	<i>i</i>	Bold italic i
A730	F	F	Subscript F	1D499	<i>x</i>	<i>x</i>	Bold italic x
FE00			Variation-Selector 1	1D49A	<i>y</i>	<i>y</i>	Bold italic y
1D404	E	E	Bold E	1D49B	<i>z</i>	<i>z</i>	Bold italic z
1D406	G	G	Bold G	1D6FC	<i>α</i>		Italic α
1D40C	M	M	Bold M	1D6FE	<i>γ</i>	<i>γ</i>	Italic γ
1D40F	P	P	Bold P	1D700	<i>ε</i>	<i>ε</i>	Italic ε
1D413	T	T	Bold T	1D703	<i>θ</i>	<i>θ</i>	Italic θ
1D41F	f	f	Bold f	1D706	<i>λ</i>	<i>λ</i>	Italic λ
1D424	k	k	Bold k	1D707	<i>μ</i>	<i>μ</i>	Italic μ
1D426	m	m	Bold m	1D70B	<i>π</i>	<i>π</i>	Italic π
1D427	n	n	Bold n	1D70E	<i>σ</i>	<i>σ</i>	Italic σ
1D429	p	P	Bold p	1D719	<i>φ</i>	<i>φ</i>	Italic φ
1D439	<i>F</i>	<i>F</i>	Italic F	1D741	<i>μ</i>	<i>μ</i>	Bold italic μ
1D461	<i>t</i>	<i>t</i>	Italic T	1F552		⌚	Clock face
1D486	<i>e</i>	<i>e</i>	Bold italic e				

3.2 Kana

Unicode	X	CW	Unicode	X	CW	Unicode	X	CW
3042	あ	あ	305E		ぞ	308A	り	り
3044	い	い	305F	た	た	308B	る	る
3048	え	え	3060	だ	だ	308C		れ
304A	お	お	3064	つ	つ	308F		わ
304B	か	か	3065		づ	3092	を	を
304C	が	が	3066	て	て	3093	ん	ん
304D	き	き	3067	で	で	30A2	ア	ア
304E		ぎ	3068	と	と	30A3	ィ	ィ
304F	く	く	3069		ど	30A4	イ	イ
3050		ぐ	306A	な	な	30A6	ウ	ウ
3051	け	け	306B	に	に	30A7		エ
3052		げ	306C	ぬ	ぬ	30A8	エ	エ
3053	こ	こ	306E	の	の	30AA	オ	オ
3054		ご	306F	は	は	30AB	カ	カ
3055	さ	さ	3072		ひ	30AC	ガ	ガ
3056		ざ	3073	び	び	30AD	キ	キ
3057	し	し	3078		へ	30AE	ギ	ギ
3058		じ	3079	べ	べ	30AF	ク	ク
3059	す	す	307E	ま	ま	30B0	グ	グ
305A		ず	307F		み	30B3	コ	コ
305B	せ	せ	3081	め	め	30B4	ゴ	ゴ
305C		ぜ	3082		も	30B5		サ
305D	そ	そ	3088	よ	よ	30B6		ザ

Unicode	X	CW	Unicode	X	CW	Unicode	X	CW
30B7	シ	シ	30CA		ナ	30DC	ボ	ボ
30B8	ジ	ジ	30CB	ニ	ニ	30DD	ボ	ボ
30B9	ス	ス	30CD	ネ	ネ	30DE	マ	マ
30BA	ズ	ズ	30CE	ノ	ノ	30E0	ム	ム
30BB	セ	セ	30CF	ハ	ハ	30E1	メ	メ
30BC	ゼ	ゼ	30D0	バ	バ	30E2	モ	モ
30BD	ソ	ソ	30D1	バ	バ	30E3	ャ	ャ
30BE		ゾ	30D2	ヒ	ヒ	30E7	ヨ	ヨ
30BF	タ	タ	30D3	ビ	ビ	30E9	ラ	ラ
30C0	ダ	ダ	30D4	ビ	ビ	30EA	リ	リ
30C1	チ	チ	30D5	フ	フ	30EB	ル	ル
30C2		ヂ	30D6		ブ	30ED		ロ
30C3	ッ	ッ	30D7	ブ	ブ	30EF	ワ	ワ
30C6	テ	テ	30D8	ヘ	ヘ	30F3	ン	ン
30C7	デ	デ	30D9	ベ	ベ	30FC	ー	ー
30C8	ト	ト	30DA	ベ	ペ			
30C9	ド	ド	30DB	ホ	ホ			

3.3 Chinese characters and CJK punctuation

Unicode	CN	JP	Unicode	CN	JP	Unicode	CN	JP
3000			4E86		了	4FDD		保
3001		、	4E88		予	500B		個
3002	。	。	4E94	五		500D	倍	倍
4E00	一	一	4E8B		事	5024		值
4E09	三	三	4E8C	二	二	503C	值	
4E0A	上	上	4EA4		交	5047	假	
4E0B	下	下	4ED5		仕	504F	偏	偏
4E0D	不	不	4ED6	他	他	507D		偽
4E0E	与		4ED8		付	50A8	儲	
4E24	两		4EE3	代		50CF	像	
4E26		並	4EE5	以	以	5143	元	元
4E2A	个		4EEE		仮	5145	充	
4E2D	中 ¹	中	4F4D	位	位	5146	兆	
4E38		九	4F53	体	体	5149	光	光
4E3A	为		4F59	余	余	5165	入	入
4E49	义		4F5C		作	5168	全	
4E57		乘	4F60	你		516B	八	
4E58	乘		4F7F		使	516C	公	公
4E71		乱	4F8B	例		516D	六	

¹The font CW glyph is “中”.

Unicode	CN	JP	Unicode	CN	JP	Unicode	CN	JP
5171	共	共	538B	压		591A	多	
5173	关		539F	原	原	5927	大	大
5176	其		53C2		参	592A	太	
5176	具		53C9	叉		592E		央
5185	内	内	53CC	双	双	5934	头	
5186		円	53CD	反		5947	奇	
518D		再	53D1	发		5957	套	
51C6	准		53D6	取	取	597D	好	
51FA	出	出	53D8	变		5982	如	
51FD	函		53E5	句		59CB	始	始
5206	分	分	53EF	可	可	5B50	子	子
5207	切	切	53F7	号	号	5B57	字	字
5217	列	列	5408	合	合	5B58	存	存
5219	则		5409	吉		5B66	学	学
521B	创		540C	同		5B9A	定	定
521D	初	初	5411	向	向	5B9E	实	
5220	删		5426	否		5B9F		实
5224		判	542F	启		5BB9	容	容
5225		别	5438	吸		5BC6	密	密
5230	到		5468	周	周	5BF9	对	
5236	制	制	547C		呼	5BFC	导	
523B	刻		548C	和	和	5BFE		对
5242	剂		5668	器		5C04	射	射
524A		削	56DB	四	四	5C0F	小	小
524D	前		56DE	回	回	5C40	局	
5269	剩		56E0	因	因	5D4C	嵌	
526A	剪		56F2		困	5DE5	工	
529B	力	力	56F4	围		5DEE	差	差
529F	功		56FA		固	5E01	币	
52A0	加	加	5706	圆		5E03	布	布
52A8	动		5727		压	5E26	带	
52B9		効	5728		在	5E2F		带
52D5		動	5747	均	均	5E30		带
5316	化	化	5750	坐		5E38	常	常
533A	区	区	578B	型		5E45		幅
5341	十		57DF	域	域	5E73	平	平
5343	千		57FA	基	基	5E76	并	
5347	升		5806	堆		5E8F	序	
534A	半	半	5831		報	5EA6	度	度
5354		協	586B	填		5EA7		座
5355	单		5909		変	5EFA	建	
5358		单	590D	复		5F00	开	
5361	卡		5916		外	5F0F	式	式

Unicode	CN	JP	Unicode	CN	JP	Unicode	CN	JP
5F15	引	引	63DB		換	6839	根	
5F27	弧	弧	64A4	撒		683C	格	
5F37		強	652F	支		6841		桁
5F3A	強		6536	收		68AF	梯	
5F52	归		6539	改		6BEB	毫	
5F53	当		653E	放	放	6975		極
5F62	形	形	6563		散	6982	概	
5F79		役	6570	數	數	691C		檢
5F80	往		6574	整	整	6A19		標
5F85	待		6587	文	文	6A5F		機
5FAA	循	循	65AD	断	断	6B21	次	次
5FAE	微	微	65B0	新	新	6B62	止	
5FC3	心	心	65B9	方	方	6B63	正	正
5FDC		応	65CB	旋		6B65	步	
6001	忒		65E0	无		6BD4	比	比
6027	性		65E5	日		6BB5		段
60C5		情	65F6	时		6C17		氣
6210	成	成	6607		昇	6C42	求	求
623B		戾	662F	是		6C7A		決
6240	所		663E	显		6CCA	泊	
624B	手	手	6642		時	6CD5	法	法
6267	执		666E	普	普	6CDB	泛	
6293	抓		666F	景		6CE8	注	
629B	抛		66F2	曲	曲	6D41	流	流
629E		扱	66F4	更	更	6D45	浅	
62AC	抬		66F8		書	6D88	消	
62BC		押	66FF		替	6DE1		淡
62BD		抽	6700	最	最	6DF1	深	
62CD	拍		6709	有	有	6E05	清	
62E9	择		671F	期	期	6E29	温	温
62EC		括	672A	未	未	6E90	源	
6301	持		672C		本	6E96	準	
6307		指	673A	机		6F14		演
6309	按		675F	束		6F38		漸
633F		挿	677E	松		6FC0	激	
6362	換		6781	极		6FC3		濃
636E	据		6790	析	析	70B9	点	点
6392	排		679A	枚	枚	70ED	热	
63A5		接	679C	果	果	7121		無
63A8		推	6808	棧		7136	然	然
63B7	擲		6807	标		7167	照	照
63D0	提		6837	样		71B1		熱
63D2	插		6838	核		7248	版	

Unicode	CN	JP	Unicode	CN	JP	Unicode	CN	JP
7269	物	物	7B26	符		81F3	至	
7387	率	率	7B49	等	等	820D	舍	
73AF	环		7B80	简		827E	艾	
73FE		現	7B97	算	算	8282	节	
7406	理	理	7BAD	箭		8303	范	
74B0		環	7BC4		範	865A	虚	虚
751F		生	7C7B	类		884C	行	行
7528	用	用	7C92		粒	8868	表	表
7535	电		7C98	粘	粘	88AB		被
753B		画	7CFB	系		8907		複
754C		界	7D04		約	898F		規
767B		登	7D20		素	89A7		覽
767E	百		7D2F	累	累	89C4	规	
7684	的	的	7D42		終	89C6	视	
76AE	皮		7D44		組	89D2	角	角
76D2	盒		7D50		結	89E3	解	解
76DB		盛	7D71		統	8A00	言	言
76EE	目	目	7D76		絕	8A08		計
76F4	直	直	7D99		繼	8A18		記
76F8	相	相	7D9A		統	8A2D		設
771F	真		7DCF		總	8A3C		証
77E5	知		7DDA		線	8A66		試
77E9	矩		7DE8		編	8A8D		認
7801	码		7EA6	约		8A9E		語
786C	硬		7EB3	納		8AA4		誤
786E	确		7EBF	线		8AD6		論
78BC	碼		7EC4	组		8BA1	计	
78C1	磁	磁	7EC8	终		8BA4	认	
78BA		確	7ED3	结		8BB0	记	
793A	示	示	7EDD	绝		8BBE	设	
79D1	科	科	7EDF	统		8BC1	证	
79D2	秒	秒	7EE7	继		8BE2	询	
79EF	积		7EED	续		8BED	语	
79FB	移		7EF4	维		8BEF	误	
7A0B	程	程	7F00	维		8C03	调	
7A2E		種	7F16	编		8CBC		貼
7A4D		積	7F51	网		8CEA		質
7A77	穷		7F6E	置	置	8D28	质	
7A7A	空	空	7FA9		義	8D34	贴	
7A97	窗		8054	联		8D4B	赋	
7ACB	立	立	80CC	背		8D85	超	超
7AEF		端	80FD	能	能	8DB3		足
7B14	笔		81EA	自	自	8DEF	路	

Unicode	CN	JP	Unicode	CN	JP	Unicode	CN	JP
8EE2		転	9078		選	9636	阶	
8F03		較	90E8	部	部	964D	降	降
8F6C	转		914D	配		9650	限	限
8F6D	辄		91C7	采		9664	除	除
8F74	轴		91CA	释		968E		階
8F90	辐		91CC	里		968F	随	
8F91	辑		91CD	重		9694	隔	
8F93	输		91CF	量	量	96C6		集
8F9E		辞	9332		録	96FB		電
8FC7	过		949F	钟		975E		非
8FD0	运		9515	钢		9762	面	面
8FD4	返	r	9519	错		9805		項
9000	退		952E	键		9806		順
9006	逆	逆	9567	镧		9818		領
9009	选		9577		長	982D		頭
9012	递		957F	长		985E		類
9017	逗		958B		開	9879	项	
901A	通		9593		間	9891	频	
901F	速	速	95A2		閑	98DE	飞	
9023		連	95ED	闭		9AB0	骰	
9032		進	95EE	问		9AD8		高
903B	逻		95F4	间		9A8C	验	
904D		遍	9635	阵				

3.4 Private Use Characters

Unicode	X	CW	Description	Unicode	X	CW	Description
E000	-1	-1	Subscript -1	E010	10	10	10 of (10 ¹⁰), (10 ¹⁰)
E001	A	A	Hexadecimal A	E011	-1	-1	Superscript -1
E002	B	B	Hexadecimal B	E012	10	10	Superscript 10
E003	C	C	Hexadecimal C, C of <i>nCr</i>	E013	x	x	Superscript italic x
E004	D	D	Hexadecimal D	E014	τ	τ	Subscript τ
E005	E	E	Hexadecimal E	E015	μ	μ	Subscript μ
E006	F	F	Hexadecimal F	E016	±	±	Subscript plus/minus sign
E007	P	P	P of <i>nPr</i>	E017	∞	∞	Subscript infinity
E008	\bar{x}	\bar{x}	Statistics: <i>x</i> mean	E018	C	C	Specific heat capacity conversion: P.1
E009	\hat{x}	\hat{x}	Regression: <i>x</i> estimate	E019	a	a	Specific heat capacity conversion: P.2
E00A	\bar{y}	\bar{y}	Statistics: <i>y</i> mean	E01A	lt	lt	Specific heat capacity conversion: P.3
E00B	\hat{y}	\hat{y}	Regression: <i>y</i> estimate	E01B	h	h	Specific heat capacity conversion: P.4
E00C	x	x	Multiply sign of (10 ³)	E01C	/l	/l	Specific heat capacity conversion: P.5
E00D	10	10	Abs > 1 base of exponent result	E01D	g	g	Specific heat capacity conversion: P.6
E00E	x	x	指数结果的乘号	E01E	K	K	Specific heat capacity conversion: P.7
E00F	10	10	Abs < 1 base of exponent result	E01F	►	►	Specific heat capacity conversion: P.8

Unicode	X	CW	Description	Unicode	X	CW	Description
E020	/(/	/(/	Spec. heat capacity conv.: P.9	E109	厘	厘	JP length&mass unit: 厘
E021	k	k	Spec. heat capacity conv.: P.10	E10A	歩	歩	Japanese area unit: 歩
E022	g·	g·	Spec. heat capacity conv.: P.11	E10B	勺	勺	Japanese area unit: 勺
E023	㌔	㌔	Spec. heat capacity conv.: P.12	E10C	坪	坪	Japanese area unit: 坪
E024	」	」	Linear: Fraction	E10D	畝	畝	Japanese area unit: 畝
E025	▣	▣	Degs Mins Secs (°′″)	E10E	反	反	Japanese area unit: 反
E026	—	—	Linear: Replace cursor	E10F	升	升	Japanese volume unit: 升
E027	■	■	Cursor when input is almost full	E110	合	合	JP area&volume unit: 合
E028	□	□	Box	E111	斗	斗	Japanese volume unit: 斗
E029	✂	✂	Spreadsheet: Cut	E112	石	石	Japanese volume unit: 石
E02A	📋	📋	Spreadsheet: Paste	E113	貫	貫	Japanese mass unit: 貫
E02B	ト	ト	Div remainder of French models	E114	匁	匁	Japanese mass unit: 匁
E02C	ㇿ	ㇿ	Div remainder of Spanish models	E115	斤	斤	Japanese mass unit: 斤
E02D	↻	↻	Algorithm: End of loop	E200	SHIFT	SHIFT	SHIFT indicator
E02E	◀	◀	Bottom left triangle	E201	ALPHA	ALPHA	ALPHA indicator
E02F	▶	▶	Top right triangle	E202	M	M	Variable M indicator
E030	⬆⬇	⬆⬇	(Sum of the above two)	E203	STO	STO	STO indicator
E031	⬆⬇	⬆⬇	Upward and downward triangle	E204	√	√	Math input mode
E032	»	»	(Unknown)	E205	D	D	Angle mode
E033	«	«	(Unknown)	E206	R	R	Radian mode
E034	🌾	🌾	Coin	E207	G	G	Percentage mode
E035	—	—	Number line	E208	FIX	FIX	Decimal rounding mode
E036	⊙	⊙	Unit circle	E209	SCI	SCI	Significant digit rounding mode
E037	◐	◐	Unit semicircle	E20A	E	E	Engineering symbol output mode
E038	🚩	🚩	Execute flag	E20B	i	i	Cartesian coordinate complex mode
E100	尺	尺	Japanese length unit: 尺	E20C	∠	∠	Polar coordinate complex mode
E101	寸	寸	Japanese length unit: 寸	E20D	⇩	⇩	Manual simplification mode
E102	分	分	JP length&mass unit: 分	E20E	◀	◀	Left indicator
E103	間	間	Japanese length unit: 間	E20F	▼	▼	Down indicator
E104	町	町	Japanese length unit: 町	E210	▲	▲	Up indicator
E105	里	里	Japanese length unit: 里	E211	▶	▶	Right indicator
E106	海	海	Half JP length unit: 海	E212	||	||	Multi-statement intermediate indicator
E107	丈	丈	Japanese length unit: 丈	E213	☀	☀	Solar indicator
E108	毛	毛	JP length&mass unit: 毛	E214	✓	✓	Verify mode

4 Revision History

4.1 ClassWiz X Display

- v3.000 2023/10/20
 - For ease of use, Chinese characters of JP CW series are added;
- v2.003 2023/7/22
 - Added ^{4F68 5301 5947 597D 6FC8}你, 发, 奇, 好, 激, and the top row of status indicators on the calculator screen;
 - Fixed an issue where the stroke width of some Chinese characters is 1.2 pixels;

- Corrected font error of “⁶⁹⁸²概”.
- v2.002 2023/7/20
 - For ease of use, the CW series CN version of Chinese characters has been added (thanks to [@Astro_2539](#) for sharing some of the fonts, by the way, the problem of 1.2 pixels in width of some strokes in the fonts has been corrected). The affected Chinese and Japanese Chinese characters with the same code bits are:
^{4E00}一、^{4EE5}以、^{504F}偏、⁵¹⁴³元、⁵²⁰⁷切、⁵²³⁶制、^{53EF}可、⁵⁴⁶⁸周、⁵⁷⁴⁷均、^{58B9}容、^{5DEE}差、^{5E73}平、^{5F15}引、⁶³⁰⁷指、^{671F}期、^{672C}本、^{6D41}流、⁷¹³⁶然、^{76EE}目、^{76F4}直、^{7D20}素。
- v2.001 2023/7/12
 - Added missing U+E000 “Subscript −1”, U+1D404 “Bold E”.
- v2.000 2023/5/5
 - Added Cyrillic, Vietnamese and Chinese characters (thanks [@喜羊羊第x代](#) for the character list);
 - For U+E027 "cursor when input is full" and U+E028 "box", more suitable code points have been found (U+25A0, U+2B1B and U+25A1, U+2B1C respectively), the original private use area characters are kept for compatibility;
 - Added missing U+1D64 “Subscript u”;
 - Added input methods based on Opentype features for some private use characters.
- v1.003 2023/3/19
 - Font renamed to ClassWiz X Display;
 - Wrote README document;
 - Contains all kana and some Japanese kanji.
- v1.002 2021/3/6
 - Includes letters used in different languages and adds private area symbols.
- v1.001 2020/7/13
 - Includes all Chinese characters and adds private area symbols.
- v1.000 2020/7/11
 - Includes Latin letters, super- & subscripts, some Chinese characters, and some private area symbols.

4.2 ClassWiz CW Display

- v3.000 2023/10/20
 - Added Chinese characters of JP CW series;
 - Changed kana to the CW series style.
- v2.001 2023/7/22
 - Added ^{4F60}你、^{53D1}发、⁵⁹⁴⁷奇、^{597D}好、^{6FC0}激, and the top row of status indicators on the calculator screen;
 - Fixed an issue where the stroke width of some Chinese characters is 1.2 pixels;
 - Corrected font error of “⁶⁹⁸²概”.
- v2.000 2023/7/20

- Added missing U+2026 "Ellipsis";
- For ease of use, all the Chinese characters and kana of the X series, and the CN versions of the Chinese characters of the CW series have been added (Thanks to @Astro_2539 for sharing some fonts, and by the way, the problem of some strokes in the font being 1.2 pixels wide has been corrected).
- v1.001 2023/7/12
 - Added missing U+E000 “Subscript −1”, U+E038 “Execute Flag”, U+1D404 “Bold E”.
- v1.000 2023/7/10
 - Contains all Western characters (thanks to @喜羊羊第 x 代 for the character list), but does not include CJK characters yet;
 - Contains private use characters (including Japanese units).