

VedaPad User's Manual

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Introduction

VedaPad is a system for typing Devanagari, the alphabet of Sanskrit, on Windows computers. A companion product, VedaType, runs on Macintosh computers. This manual describes VedaPad version 2.0.

VedaPad is designed for Sanskrit, including Vedic Sanskrit. It is not designed for Hindi, Marathi, or other modern Indian languages that use Devanagari, since these languages require special letters and ligatures that are not included in VedaPad.

VedaPad is very much like WordPad. WordPad is a simple word processor that is distributed free with Windows. This manual assumes that you are already familiar with WordPad, especially with opening a file, saving a file, file types, fonts, and font sizes.

The main difference between VedaPad and WordPad is in what they do with the keystrokes you type. In VedaPad, when you type in English keystrokes from the keyboard, Devanagari characters appear on the screen. For example, if you type **dharmakSetre kurukSetre** in VedaPad, you will see /mRðk Ú=ð on the screen.

You can save Devanagari text into an RTF file, which is a standard file format, similar to a DOC file. If you want to send such a file to others for them to view, they must have VedaPad or VedaType installed on their machines. If they do not, you must convert your RTF file to a PDF file and send them the PDF file. See the *Converting Files* section below.

VedaPad also allows you to type in Transliteration and English modes. Transliteration mode generates transliteration in a font based on Times New Roman. For example, in Transliteration mode, typing **dharmakSetre kurukSetre** generates “dharmak·etre kuruk·etre” on the screen. English mode allows you to type normally as you do in WordPad. See the *Vedatype Menu Options* section below.

Compatibility

The RTF files produced by VedaPad can be read by WordPad and Word, but the Devanagari and Transliteration text in these files will be visible only if the user has VedaPad or VedaType installed.

You can copy Devanagari text into Word, Excel, PowerPoint, Outlook, or any other program that uses Windows fonts.

Getting Started

VedaPad is initially set up to type Devanagari from an English keyboard. For example, if you type **bhagavad gltA**, then **. gvd(glt;** will appear on the screen. See the chart below for a complete list of English-to-Devanagari keystrokes. You can save the file as usual and view it in VedaPad or another program later. You can also print it, or copy text to another program. In addition, there are various options for typing in Transliteration, ordinary typing without Devanagari or Transliteration, changing the Devanagari or Transliteration font size, and many other features.

VedaPad Keystrokes

Use these keystrokes to get Devnagari letters. Use the same keystrokes to get transliterations in Transliteration mode. See the *Options* section below for instructions on how to switch between Devanagari, Transliteration, and English modes.

a	a	a;	A						
"	i	é	I						
¬	u	è	U						
A	q	•	Q		O _{lq}				
E	e	Ee	ai						
a0	o	a*	au						
a'	aM	a\	aMM	a"	aH	a<	aHj	Ⓔ	'
k	ka	%	kha	g	ga	`	gha	>	za
C	ca	Z	cha	j	ja	Z	jha	—	xa
\$	Ta	#	Tha	@	Da	!	Dha	,	Na
t	ta	q	tha	d	da	/	dha	ñ	na
p	pa	f	pha	b	ba	.	bha	m	ma
y	ya	r	ra	l	la	v	va		
x	fa	W	Sa	s	sa	h	ha		
Ñ	o	Â	La	Àh	Lha				
)	,	Ð	.	a TM _{a=}	aØ _{a/}				
1	1	2	2	3	3	4	4	5	5
6	6	7	7	8	8	9	9	0	0

Fonts

VedaPad includes two fonts which were installed into Windows when you installed VedaPad:

- **Vedic97**: Devanagari font
- **VedicTrans97**: Transliteration font

Both these fonts are available in other Windows applications. These fonts are not Unicode compliant. They have their own proprietary encoding which is unique to VedaPad. These fonts will therefore not work with other software in which you type in Devanagari text or transliteration. However, you can copy Devanagari and transliteration text from VedaPad to any Windows program. You can look at Devanagari and transliteration text set with VedaPad in any software that supports the RTF file format, such as WordPad and Word, on any computer where VedaPad or VedaType is installed.

Obsolete versions of VedaPad and VedaType contained Devanagari and transliteration fonts with other names. If someone sends you an RTF, Doc, or similar file that was produced with an old version of VedaPad or VedaType, and you are unable to read the document, check the font name in the affected section to see if it matches the above names. If not, you may be able to read the document by changing the font in your copy. If you still cannot read it, the person who sent you the file must correct it, either by changing the font and the text, or by converting the file to a PDF file. See *PDF Files* below.

File Types

VedaPad works with two major file types, RTF and Text files. With additional software, it can also create PDF files. VedaPad does not work directly with Doc files.

Doc files

Unlike WordPad and Word, VedaPad cannot create or modify Doc files, which are also called Word Document files and have an extension of .doc. If you need to transfer Devanagari or Transliteration created in VedaPad into a Doc file, you can do either of the following.

- Copy the text from VedaPad to WordPad, Word, or any other program that can open a Doc file; or
- Save the text to an RTF file, open the RTF file in WordPad, Word, or other software, and then save it to a Doc file. See *RTF files* below.

RTF files

RTF stands for Rich Text Format and has an extension of .rtf. This is a standard file format used by almost every word processing program, including non-Microsoft programs. RTF files are an excellent alternative to Word Document files (extension .doc), since they can store almost anything that a .doc file can, are recognized by a wider variety of software, and for other reasons. When you save a file with VedaPad, by default it will save it as an RTF file.

An RTF file containing Devanagari or Transliteration created with VedaPad can only be properly viewed on a computer that has VedaPad or VedaType installed. Otherwise, the Devanagari or Transliteration will be unintelligible. If you wish to share a file with Devanagari or Transliteration with others who do not have VedaPad or VedaType, the best way to do this is to create a PDF file. See *PDF files* below.

Text files

Text files have extension .txt and are plain text files with no font or formatting information.

VedaPad can save to the following formats of Text files.

- Text Document: Generally preferable and the format that the Transform File feature uses. See *Vedatype Menu Options* below.

- Text Document - MS-DOS Format: Has a different encoding of high ASCII characters. Use this format only if you need to view a text file in a program that uses DOS encoding.

VedaPad supports the following different types of Text Documents.

- Native Font: A text file created by saving a document that contains only Devanagari text to a Text Document. Example: if a document contains /mR=]e kÚ=]e and you save it to a Text Document, and then open the Text Document, then you will see /mR=e]e kÚ"=e]e. These are the character codes in the Devanagari font represented with English letters.
- Transliteration: A text file created by saving a document that contains only Transliteration text to a Text Document. Example: if a document contains dharmak·etre kuruk·etre, and you save it to a Text Document, and then open the Text Document, then you will see dharmak·etre kuruk·etre. These are the character codes in the Transliteration font represented with English letters.
- Keystroke: A text file created inside or outside of VedaPad, containing keystrokes you would type in VedaPad Devanagari or Transliteration mode. Example: you use a text editor such as Notepad to create a file containing dharmakSetre kurukSetre.
- Other: A text file containing a mixture of the above three types, or anything not in the above categories.

The Transform File feature can convert between Native Font, Transliteration, and Keystroke types. See *Vedatype Menu Options* below.

PDF files

PDF files are the Portable Document Format developed by Adobe. This file format has become a widespread standard on the web, since it can contain any kind of font or graphics without the user having to install special font or graphics software. The PDF format is usually best for sharing VedaPad files with people who do not have VedaPad.

PDF files can be viewed with a PDF reader. There are two free PDF readers:

- Adobe Acrobat Reader, a free product that can be downloaded at <http://www.adobe.com/products/acrobat/readstep2.html>. This is installed on many systems by default.

- Foxit Reader, another free product, which can be downloaded from <http://www.foxitsoftware.com>. Foxit Reader starts much more quickly than Adobe Acrobat Reader, but it has fewer features.

VedaPad by itself cannot create PDF files, but you can add software that will enable it to do so. Almost all such software takes the form of a “printer” in your list of printers. When you “print” to this “printer”, it creates a PDF file instead of printing on a real printer. You may already have such a program. To check this, go to File menu / Print, and, in the Printer section, under Name, look at the list of printers. This list should include all the printers on your system but may include other items. Anything that has “PDF” in the name is probably a PDF conversion program masquerading as a “printer.” Some of these programs do not convert VedaPad fonts properly. You should test any program you may already have on a file that has Devanagari and/or Transliteration produced by VedaPad.

If you do not have a PDF conversion program, we suggest a free program called Primo PDF, which you can download from <http://www.primopdf.com>. Primo PDF works very well with VedaPad fonts.

When you install a PDF conversion program, it will add an entry to the list of printers. To create a PDF file, you “print” your document to this “printer” instead of to your usual printer:

- Go to File menu / Print.
- Do **not** check **Print to File**.
- In the **Printer** section under **Name**, select the PDF conversion program from the list of printers.
- Click **OK**.
- The PDF conversion program will ask you for the name and location of the PDF file.
- The PDF conversion program will create the PDF file from the contents of your current document.

Vedatype Menu Options

Type Devanagari (Ctrl-Shift-D): Sets VedaPad into Devanagari mode. In this mode, when you type English keystrokes, they are converted to Devanagari characters. For example, when you type **gltA** in this mode, it is displayed as ग्लतः. See the *VedaPad Keystrokes* section above for a detailed list of keystrokes for each Devanagari letter. In this mode, VedaPad always uses the font **Vedic97**, which you cannot change. This mode also initially sets the font size to 28 points, which you can change.

Type Tamil (Ctrl-Shift-T): This option is not supported, as it requires a Tamil font which is not supplied with VedaPad.

Type Telugu (Ctrl-Shift-L): This option is not supported, as it requires a Telugu font which is not supplied with VedaPad.

Type Roman Transliteration (Ctrl-Shift-R): Sets VedaPad into Transliteration mode. In this mode, when you type English keystrokes, they are converted into characters in the transliteration font. For example, when you type **gltA** in this mode, it is displayed as g'ltē. The keystrokes that you type are the same as in the *VedaPad Keystrokes* section above, but the output is in transliteration instead of Devanagari. In this mode, VedaPad always uses the font **VedicTrans97**, which you cannot change. This mode also initially sets the font size to 14 points, which you can change.

Type English (Ctrl-Shift-E): Sets VedaPad into English mode. In this mode, keystrokes are not converted into either Devanagari or transliteration but are simply displayed as in an ordinary word processor. You may use any font in English mode.

Preferences

- **Display Sanskrit as:** This option has no effect. However, if any Devanagari or Transliteration text is highlighted when you invoke **Preferences** and you click OK, the font of the Devanagari or Transliteration text will be changed to an ordinary font. Do not use **Preferences** while any Devanagari or Transliteration text is highlighted.
- **Use Typing Format:** You may select an alternative keystroke convention for typing in Devanagari. The available keystroke conventions are: **Vedatype** (the default), **Sanskrit Phonetic**, **Borowski**, **Dutch**, and **Harvard-Kyoto**. See the Appendix for charts of these conventions.
- **Use Transliteration Font:** This should be left set to **VEDICTRANS97**. The other fonts in this list are not supported and are no longer supplied with VedaPad.
- **Default Font Size:** The font size that is first selected when you enter

Transliteration mode.

- **Use Native Script Font:** This should be left set to **VEDA97_1**. The other fonts in this list are not supported and are no longer supplied with VedaPad.
- **Default Font Size:** The font size that is first selected when you enter Devanagari mode.
- **Set Non-Indological Font:** Allows you to set the font for English mode. This option is equivalent to **Format** menu / **Font**.

Edit Keystroke Conventions: This feature was designed to allow you to change any of the keystroke conventions (see **Preferences / Typing Format** above), but currently it only allows you to view these keystroke conventions. Some of the keystrokes in the Sounds list, such as long e and long o, are intended only for the unsupported Tamil and Telugu modes and do not apply to Sanskrit.

Edit Devanagari Syllables: This feature is intended only for expert users. It allows you to change the way VedaPad sets conjuncts. VedaPad comes installed with a wide range of conjunct settings based on years of intensive use, and it is considered unlikely that even expert users will need to change them.

Transform File: This feature allows you to convert between various types of text files. See the *File Types* section above for a definition of these types.

- **Input File:** The name of an already existing text file.
- **Input Type:** Select **Native Font**, **Transliteration**, or **Keystrokes**. The other types are not supported.
- **Select font:** For Native Font type, select **VEDA1**; for Transliteration type, select **VEDICTRANS**; for Keystrokes, this selection is not used. Other fonts you may see in this list are not supported and are no longer supplied with VedaPad.
- **Output File:** The name of the text file to be created.
- **Output Type:** Select **Native Font** or **Transliteration**. The other types are not supported.
- **Select Devanagari font:** For Native Font type, select **VEDA1**; for Transliteration type, this selection is not used. Other fonts you may see in this list are not supported and are no longer supplied with VedaPad.
- **Select Transliteration font:** For Native Font type, this selection is not used; for Transliteration type, select **VEDICTRANS**. Other fonts you may see in this list are not supported and are no longer supplied with VedaPad.
- **Convert:** Performs the file conversion. Use this button, as the **OK** button does not any perform any file conversion. When converting from Keystrokes, VedaPad may report an error, but it will still convert the file.
- **Edit Errors:** This button is not supported.
- **Edit Conversion Function:** This button is not supported.

- **OK:** This button does *not* perform any conversion but simply exits from Transform File. To perform file conversion, use the **Convert** button.

Example: Suppose you wish to convert /mRēk Ú=ō to Transliteration.

- Construct a document with only the above text in Devanagari.
- Use **File / Save As** to save this document to **Native.txt** as a Text Document.
- Select **Vedatype / Transform File**.
- Type in **Native.txt** as the Input File.
- Select **Native Font** as the type.
- Select **VEDA1** as the font.
- Type in **Translit.txt** as the Output File.
- Select **Transliteration** as the Output Type.
- Select **VEDICTRANS** as the Transliteration font.
- Press **Convert** and wait until the conversion is completed.
- Press **OK**.
- Open **Translit.txt**.
- Highlight the text and change the font to **VedicTrans97**.

Convert RTF files between Mac and PC: This feature is not supported.

Attach to Quark: Use this feature only if you have Quark installed on your computer. It enables Quark to use VedaPad to generate Devanagari characters.

Display Font Parameters: This feature displays technical parameters of any font that you select.

Alternative Keystroke Conventions

From the **Vedatype** menu, you may use **Preferences / Use Typing Format** to select from five keystroke conventions: **Vedatype** (the default), **Sanskrit Phonetic**, **Borowski**, **Dutch**, and **Harvard-Kyoto**. The **Vedatype** keystroke convention is described above in the *VedaPad Keystrokes* section. The other four keystroke conventions are described below. These keystroke conventions apply to both Devanagari and Transliteration modes.

Borowski Keystroke Convention

a	a	a;	aa						
"	i	é	ii						
¬	u	è	uu						
A	r_	•	r_r_		O	l	r_		
E	e	Ee	ai						
a0	o	a*	au						
a'	am_	a\	am_m	a"	ah_	a<	ah_h	€	'
k	ka	%	kha	g	ga	`	gha	>	n-a
C	ca	Z	cha	j	ja	Z	jha	—	n~a
\$	t_a	#	t_ha	@	d_a	!	d_ha	,	n_a
t	ta	q	tha	d	da	/	dha	n	na
p	pa	f	pha	b	ba	.	bha	m	ma
y	ya	r	ra	l	la	v	va		
X	s-a	W	s_a	S	sa	h	ha		
Ñ	Om	Â	l_a	Àh	l_ha				
)	.	Đ	..	a TM	a=	aØ	a/		
1	1	2	2	3	3	4	4	5	5
6	6	7	7	8	8	9	9	0	0

Dutch Keystroke Convention

a	a	a;	aa						
"	i	é	ii						
¬	u	è	uu						
A	.r	•	.r.r		O.l				
E	e	Ee	ai						
a0	o	a*	au						
a'	a.m	a\	a.mm	a"	a.h	a<	a.hh	€	'
k	ka	%	kha	g	ga	`	gha	>	+na
C	ca	Z	cha	j	ja	Z	jha	—	~na
\$.ta	#	.tha	@	.da	!	.dha	,	.na
t	ta	q	tha	d	da	/	dha	n	na
p	pa	f	pha	b	ba	.	bha	m	ma
y	ya	r	ra	l	la	v	va		
X	~sa	W	.sa	S	sa	h	ha		
Ñ	Om	Â	.La	Àh	.Lha				
)	.	Ð	..	a TM	a=	aØ	a/		
1	1	2	2	3	3	4	4	5	5
6	6	7	7	8	8	9	9	0	0

Harvard-Kyoto Keystroke Convention

a	a	a;	A						
"	i	é	I						
¬	u	è	U						
A	R	•	RR		O	IR			
E	e	Ee	ai						
a0	o	a*	au						
a'	aM	a\	aMM	a"	aH	a<	aHj	⌈	'
k	ka	%	kha	g	ga	`	gha	>	Ga
C	ca	Z	cha	j	ja	Z	jha	—	Ja
\$	Ta	#	Tha	@	Da	!	Dha	,	Na
t	ta	q	tha	d	da	/	dha	∩	na
p	pa	f	pha	b	ba	.	bha	m	ma
y	ya	r	ra	l	la	v	va		
x	za	w	Sa	s	sa	h	ha		
Ñ	Om	Â	La	Àh	Lha				
)	.	Ð	..	a TM	a=	a∅	a/		
1	1	2	2	3	3	4	4	5	5
6	6	7	7	8	8	9	9	0	0

Using VedaPad Fonts with TeX

VedaPad includes VedaTeX, a system to support VedaPad fonts within the typesetting system TeX. VedaTeX is located in the `vedatex` folder within the VedaPad folder. Detailed instructions are in the VedaTeX manual, `vedatexmanual.pdf`, in the `vedatex\doc\generic\vedatex` folder.

Vedic97 and VedicTrans97 Fonts in Numeric Order

Code	Standard	Vedic Trans 97	Vedic 97
32		(space)	(space)
33	!	!	!
34	"	"	"
35	#	#	#
36	\$	\$	\$
37	%	%	%
38	&	&	&
39	'	'	'
40	(((
41)))
42	*	*	*
43	+	+	+
44	,	,	,
45	-	-	-
46	.	.	.
47	/	/	/
48	0	0	0
49	1	1	1
50	2	2	2
51	3	3	3

52	4	4	4
53	5	5	5
54	6	6	6
55	7	7	7
56	8	8	8
57	9	9	9
58	:	:	:
59	;	;	;
60	<	<	<
61	=	=	=
62	>	>	>
63	?	?	?
64	@	@	@
65	A	A	A
66	B	B	B
67	C	C	C
68	D	D	D
69	E	E	E
70	F	F	F
71	G	G	G
72	H	H	H
73	I	I	I

74	J	J	J
75	K	K	K
76	L	L	L
77	M	M	M
78	N	N	N
79	O	O	O
80	P	P	P
81	Q	Q	Q
82	R	R	R
83	S	S	S
84	T	T	T
85	U	U	U
86	V	V	V
87	W	W	W
88	X	X	X
89	Y	Y	Y
90	Z	Z	Z
91	[[[
92	\	\	\
93]]]
94	^	^	^
95	_	_	_
96	`	`	`
97	a	a	a
98	b	b	b

99	c	c	C
100	d	d	d
101	e	e	e
102	f	f	f
103	g	g	g
104	h	h	h
105	i	i	i
106	j	j	j
107	k	k	k
108	l	l	l
109	m	m	m
110	n	n	n
111	o	o	o
112	p	p	p
113	q	q	q
114	r	r	r
115	s	s	S
116	t	t	t
117	u	u	u
118	v	v	V
119	w	w	W
120	x	x	X
121	y	y	y
122	z	z	Z
123	{	{	{

124			
125	}	}	}
126	~	~	~
127	•	•	•
128	€	€	€
129	•	•	•
130	,	,	,
131	<i>f</i>		<i>f</i>
132	„	„	„
133
134	†	†	†
135	‡	‡	‡
136	^	^	^
137	‰	‰	‰
138	Š	Š	Š
139	<	<	<
140	Œ	Œ	Œ
141		•	•
142	Ž	Ž	
143		•	•
144	•	•	•
145	‘	‘	‘
146	’	’	’
147	“	“	“
148	”	”	”

149	•	•	•
150	–	–	–
151	—	–	–
152	~	~	~
153	™	™	™
154	š	š	š
155	>	>	>
156	œ	œ	œ
157		•	•
158	ž	ž	
159	ÿ	ÿ	ÿ
160		ÿ	ÿ
161	ı	ı	ı
162	¢	¢	¢
163	£	£	£
164	¤	¤	¤
165	¥	¥	¥
166	ı	ı	ı
167	§	§	§
168	¨	¨	¨
169	©	©	©
170	ª	ª	ª
171	«	«	«
172	¬	¬	¬
173	-	-	-

174	®	®	®
175	-	-	-
176	◦	◦	◦
177	±	±	±
178	²	²	²
179	³	³	³
180	´	´	´
181	μ	μ	μ
182	¶	¶	¶
183	·	·	·
184	˘	˘	˘
185	₁	₁	₁
186	◦	◦	◦
187	»	»	»
188	¼	¼	¼
189	½	½	½
190	¾	¾	¾
191	¿	¿	¿
192	À	À	À
193	Á	Á	Á
194	Â	Â	Â
195	Ã	Ã	Ã
196	Ä	Ä	Ä
197	Å	Å	Å
198	Æ	Æ	Æ

199	Ç	ç	Ç
200	È	È	È
201	É	É	É
202	Ê	ê	Ê
203	Ë	Ë	Ë
204	Ì	ì	Ì
205	Í	í	Í
206	Î	î	Î
207	Ï	ï	Ï
208	Ð	ð	Ð
209	Ñ	ñ	Ñ
210	Ò	ò	Ò
211	Ó	ó	Ó
212	Ô	ô	Ô
213	Õ	õ	Õ
214	Ö	ö	Ö
215	×	×	×
216	Ø	ø	Ø
217	Ù	ù	Ù
218	Ú	ú	Ú
219	Û	û	Û
220	Ü	ü	Ü
221	Ý	ý	Ý
222	Ɔ	Ɔ	Ɔ
223	Ɔ	Ɔ	Ɔ

224	à	à	à
225	á	á	á
226	â	â	â
227	ã	ã	ã
228	ä	ä	ä
229	å	å	å
230	æ	æ	æ
231	ç	ç	Ç
232	è	è	È
233	é	É	é
234	ê	ê	Ê
235	ë	ë	Ë
236	ì	Ì	ì
237	í	Í	í
238	î	Î	î
239	ï	Ï	ï

240	đ	Đ	Đ
241	ñ	Ñ	ñ
242	ò	Ò	ò
243	ó	Ó	ó
244	ô	Ô	ô
245	õ	Õ	õ
246	ö	Ö	ö
247	÷	÷	÷
248	ø	Ø	ø
249	ù	Ù	ù
250	ú	Ú	ú
251	û	Û	û
252	ü	Ü	ü
253	ý	Ý	ý
254	þ	Þ	þ
255			

Support

For sales information or technical support for VedaPad, please contact the publisher, Kevin Carmody, at support@kevincarmody.com .

Online descriptions of VedaPad and VedaType:
<http://kevincarmody.com/software/vedapad.html> .

To purchase VedaPad (for Windows):
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Credits

Fonts developed by Peter Freund.
VedaPad software developed by Ralph Bunker.
Manual and installation written by Kevin Carmody.
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