

FitalyStamp

for the Palm Organizer

Version I

User's Manual

Textware
SOLUTIONS

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Textware Solutions
58 Lexington Street,
Burlington, MA 01803

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Graphic design by Philippe Millot
Software design with the participation of Alan Jay Weiner

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Working with FitalyStamp

The Fitaly keyboard for the Palm Organizer is an ergonomic replacement for the standard on-screen Qwerty keyboard.

z	v	c	h	w	k
f	i	t	a	l	y
		n	e		
g	d	o	r	s	b
q	j	u	m	p	x

The patented Fitaly key arrangement is optimized for pen or one-finger entry: the letters **ital ne dors** and the space – together representing 73% of the keys used for normal text – are placed in a very tight central area. Adding the letters **ch um** brings this frequency to 84%. Remaining keys are never more than two keys away from this central area and each key is placed near the keys most likely to follow it in text.

The effect is to minimize pen travel. In addition, the layout practically eliminates hand movement when typing text. This means that you can type with your hand rested on the lower part of the organizer, moving only the fingers holding the pen.

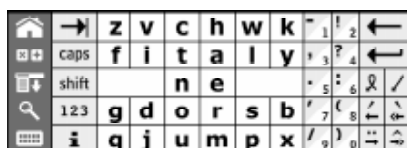


FitalyStamp is a version of the Fitaly keyboard that works as an overlay on the Graffiti area.

As a Fitaly keyboard, it retains the unique speed advantages of the Fitaly design as well as speed features such as the use of sliding to enter capital letters and numbers.

And of course, a very significant advantage is to leave the screen completely free for other applications...

The FitalyStamp overlay replaces the complete Graffiti area, providing its basic functions in another way. The main function of input is provided by the Fitaly keyboard itself with four panels called the left, letter, punctuation, and right panels. Remaining functions are provided with five icons included in a green side bar on the left.

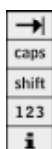


The Side Bar



The side bar includes the icons for the Application launcher, the Calculator, the Menu, and the Find command. It also includes a keyboard toggle to turn FitalyStamp on or off.

The Left Panel



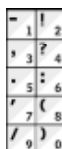
The left panel includes the tab, caps lock, and shift keys, and the 123 toggle to alternate between the letter panel and a panel with numbers. The information key **i** opens a menu with several options for FitalyStamp.

The Letter Panel

z	v	c	h	w	k
f	i	t	a	l	y
		n	e		
g	d	o	r	s	b
q	j	u	m	p	x

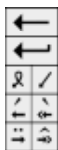
The letter panel includes two large space bars and the 26 letters of the alphabet in the patented Fitaly layout - named after the second row.

The Punctuation Panel



The punctuation panel includes punctuation keys. Alternate keys are obtained by shifting or in combination with accent keys. The lower triangle of each key indicates a digit that can be entered by sliding, that is, by moving the pen sufficiently far before releasing it.

The Right Panel



The right panel includes the backspace and enter keys. The shortcut key  is used to enter Graffiti shortcuts. The command key  is used for menu commands.

The lower four keys include accent keys – obtained directly – and arrow keys – obtained by sliding.

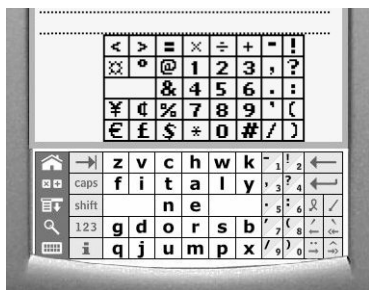
The four accent keys are *sticky* keys. A tap on an accent key modifies certain keys of the letter and punctuation panels. This is a one-time effect that only applies to the next letter.

The left and right single arrows are used to cursor one character left or one character right. The effect of the double arrows depends on the cursor position:

- For a field, the left double arrow moves to the field before, the right double arrow to the field after.
- For text, the left double arrow moves to the line before, the right double arrow to the line after.

Numbers and Shifting

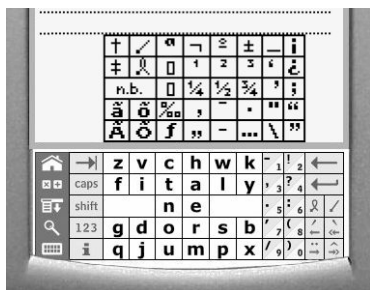
The letter panel and the punctuation panels can be modified in various ways to produce all the 220 characters of the Latin1 character set with these modifications – something that no other keyboard allows. Let us start by the 123 key.



Numbers

A tap on the 123 key pops up a panel with numbers and the keys most often used in conjunction with numbers: currency symbols, such as \$ ¢ £ ¥ €, the degree ° and mathematical symbols.

The panel appears at the bottom of the normal screen after relocating the application upwards. It remains so until the 123 key is tapped again. The right side duplicates the punctuation panel.



Shifting numbers displays other more rarely used symbols such as $\frac{1}{2}$, $\%$, superscripts ^{1 2 3}, the non-breaking space (n.b.) and the ellipsis... You may not use these symbols every day, but if you need them, they are on the Fitaly. Actually, the Fitaly is the only way to enter some of these characters on a Palm Organizer.

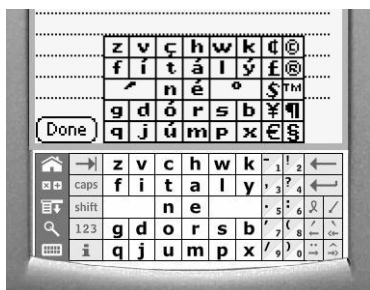
The number panel remains until the 123 key is tapped again to restore the normal state. While it is on, you can tap either on the popup number panel or on the FitalyStamp.

The effect of shifting is as expected on letters. The effect on keys of the punctuation panel is as shown in the above popup screen.

International Variations

A tap on any of the four accent keys modifies the letters and produces accented keys and other keys of the Latin1 character set. For example, tapping the accent ^ followed by e produces ê. This means that each accented key can be produced with only two taps.

We now review the four accent variations, along with their effect on the punctuation panel.



Acute Accent

The acute accent changes the vowels to vowels with an acute accent. It also changes the letter c into ç and C into Ç (in shifted form).

The punctuation panel shows all currency and legal symbols.

Accent keys are one-time modifiers so that the popup panel disappears immediately after a tap on the key. The display is optional. For example, you may want to show punctuation panels but not letter panels and tap accented letters on the FitalyStamp itself since the position of accented letters is easy to infer.

With shifting and the acute accent, the letter panel appears as shown on the right.

Z	V	C	H	W	K	€	®
F	Í	T	Á	L	Ý	£	©
'	N	É	'	'	\$	™	
G	D	Ó	R	S	B	¥	¶
Q	J	Ú	M	P	X	€	§

Grave Accent

The grave accent changes the vowels a e i o u to accented form. It also changes the letters d t into the Icelandic ð and þ. Similarly, D P are changed into Ð Þ.

z	v	c	h	w	k	â	Ä
f	î	þ	ä	l	y	æ	Æ
˘	n	ë	˘	˘	˘	ø	Ø
g	ð	ó	r	s	b	œ	Œ
q	j	û	m	p	x	-	-

Z	V	C	H	W	K	â	Ä
F	Í	Þ	Ä	L	Ý	æ	Æ
˘	N	É	˘	˘	˘	ø	Ø
G	Ð	Ó	R	S	B	œ	Œ
Q	J	Ú	M	P	X	-	-

The punctuation panel includes the Danish å æ and ø, the French œ, and the n-dash – and m-dash —

Circumflex Accent

The circumflex accent changes the vowels as expected. But see also how it changes the letter s and S into š and Š.

ž	v	c	h	w	k	<	>
f	î	t	ä	l	y	<	>
ˆ	n	ë	ˆ	ˆ	ˆ	<<	>>
g	d	ô	r	š	b	{	}
q	j	û	m	p	x	[	]

Ž	V	C	H	W	K	<	>
F	Í	T	Ä	L	Ý	<	>
ˆ	N	É	ˆ	ˆ	ˆ	<<	>>
G	D	Ô	R	Š	B	{	}
Q	J	Ú	M	P	X	[	]

The punctuation panel offers two-tap access to any of the brackets.

Umlaut Key

The umlaut key changes all vowels to vowels with umlauts. In addition, the letters m n s become μ ñ ß and N becomes Ñ.

z	v	c	h	w	k	=	#
f	î	t	ä	l	ý	*	@
˘	ñ	ë	"	"	"	•	&
g	d	ô	r	ß	b	+	%
q	j	û	μ	p	x	!	!

Z	V	C	H	W	K	=	#
F	Í	T	Ä	L	Ý	*	@
˘	Ñ	É	"	"	"	•	&
G	D	Ô	R	ß	B	+	%
Q	J	Ú	M	P	X	♥	♣

The punctuation panel offers two-tap access to useful symbols such as @ and &, as well as the bullet •. In addition, it can be configured to include the card suits as shown on the right.

The Command and Shortcut Keys

The Command Key ↵

The command key is used for menu command equivalents: a tap on the command key followed by a letter activates the proper menu command. For example, you can use either ↵U or ↵u for undo.

The Shortcut Key ⌘

The shortcut key is used for Graffiti shortcuts. To type any of the shortcuts, tap this key either before or after those of the shortcut. For example, tap either ⌘ds or ds⌘ for the date stamp.

Type Even Faster with Sliding

The main purpose of FitalyStamp is fast typing on a palm device and most characters can be entered with one or two taps. However, when upper case letters are frequent, as in addresses, repeated shifting can be cumbersome. Similarly, when letters and digits are intermixed, toggling 123 repeatedly can become inconvenient.

This is why FitalyStamp offers sliding: Sliding happens when you tap on a key and then move the pen sufficiently far before releasing it. When you tap a letter, you see it appear at key down. If you slide, a backspace is emitted followed by the revised letter at key up.

Sliding to Get Capitals

Sliding any letter capitalizes it, regardless of the direction of the slide. Most likely, you will slide down from the top rows or up from the bottom rows. If All Caps is on, sliding gives a lower case letter.

Sliding for Occasional Digits

Sliding any of the punctuation keys produces the digit shown in the lower triangle. The direction of the slide does not matter.

Sliding Space to Backspace

Sliding any of the space keys backspaces.

Sliding to Delete

When you enter text, you tend to use backspaces for corrections. But when you edit text, you would often prefer to have a delete key. You can get the effect of delete by sliding the backspace key.

The Information Menu

A tap on the information key  opens the information menu:

About FitalyStamp... Help...
Adjust position... Adjust contrast... Advanced options...
Show letters Show punctuation Set calculator pad Set symbols
User: John Doe

Adjust position opens a dialog that allows the software to adapt to the exact position of FitalyStamp.

Adjust contrast opens the dialog for contrast adjustment on machines that provide such a dialog.

Advanced options opens a secondary menu with additional options described in the on-line tips. (These options are likely to change in response to future user requests.)

The next four menu items are toggles. Show letters/Don't show letters and Show punctuation/Don't show punctuation control which popup panels are displayed when you tap on an accent key. Set calculator pad/Set phone pad changes the number layout:

<	>	=	×	÷	+
⊗	°	@	7	8	9
		&	4	5	6
¥	¢	%	1	2	3
€	£	\$	*	0	#

calculator pad

<	>	=	×	÷	+
⊗	°	@	1	2	3
		&	4	5	6
¥	¢	%	7	8	9
€	£	\$	*	0	#

phone pad

Set symbols/Set card suits toggles between the two forms of the umlaut punctuation panel.

FitalyStamp Installation

FitalyStamps are printed in five colors on a polyester film and are overlaminated with a 1-mil polyester to protect the print from scratches. They are undercoated with a removable adhesive, which allows them to be removed without damaging the glass surface of the Palm Organizer. On the other hand, removal of a FitalyStamp must be done very slowly to avoid wrinkles in the overlaminate.

FitalyStamps are delivered on a transparent plastic backing. To install a FitalyStamp, remove it from the backing and place it back half-way on the backing so that part of the adhesive is exposed and your fingers can hold the backing.



Then align the FitalyStamp on the surface of the Palm Organizer. Make sure that the top black line is horizontal. Try to align the left border of the green side bar on the leftmost pixel of the screen, the right border of the right panel on the rightmost pixel.

(You may want to increase the screen contrast temporarily to better distinguish the screen from its left and right sides. The vertical position is less important as the software corrects for it, as well as for small left or right deviations.)

Finally, apply the FitalyStamp and slowly remove the backing.

When you place the FitalyStamp initially, try to apply it very softly and leave some small part of the backing below one side to simplify removal. Then if there are bubbles, remove that side softly and reapply it progressively, using a finger to apply pressure and avoid bubbles. (It is also possible to apply a drop of some diluted window-cleaning solution as it will evaporate later.)

If you need to remove a FitalyStamp, use a piece of laser printer transparency film to lift a corner. Then remove the rest very slowly.

Software Setup

FitalyStamp is supplied both as a stand-alone application and as a system hack managed by HackMaster. If you are using HackMaster and other system hacks, you should use the latter version.

Installing the FitalyStamp software

Install the FitalyStamp software as you install any other application on your Palm Organizer. (The file Install.txt has additional instructions.)

After installing the FitalyStamp software, enable it either from the FitalyStamp application icon or from HackMaster.

Finally, select the menu item “Adjust Position” on the Information menu and follow the steps required to let the software recognize the current position of the FitalyStamp.

Uninstalling the FitalyStamp software

To uninstall the FitalyStamp software, two steps are required. First, it must be disabled, either from the FitalyStamp application icon or from HackMaster. Then, it can be deleted like any other Palm application.

Note that the first step is essential since deleting without first disabling can leave the Palm Organizer in an unstable state.

Character Reference – Letter Panel

The Ansi character codes are shown on the right:

Normal:

z	v	c	h	w	k
f	i	t	a	l	y
		n	e		
g	d	o	r	s	b
q	j	u	m	p	x

122	118	99	104	119	107
102	105	116	97	108	121
32	110	101	32		
103	100	111	114	115	98
113	106	117	109	112	120

Acute:

z	v	ç	h	w	k
f	í	t	á	l	ý
		ñ	é		º
g	d	ó	r	s	b
q	j	ú	m	p	x

122	118	231	104	119	107
102	237	116	225	108	253
44	110	233	176		
103	100	243	114	115	98
113	106	250	109	112	120

Grave:

z	v	c	h	w	k
f	î	þ	à	l	ÿ
		ñ	è		˘
g	d	ô	r	s	b
q	j	û	m	p	x

122	118	99	104	119	107
102	236	254	224	108	121
96	110	232	96		
103	240	242	114	115	98
113	106	249	109	112	120

Circumflex:

ž	v	c	h	w	k
f	î	t	â	l	ÿ
	^	n	ê		^
g	d	ô	r	š	b
q	j	û	m	p	x

158	118	99	104	119	107
102	238	116	226	108	121
94	110	234	94		
103	100	244	114	154	98
113	106	251	109	112	120

Umlaut

z	v	c	h	w	k
f	ï	t	ä	l	ÿ
	~	ñ	ë		"
g	d	ö	r	ß	b
q	j	ü	µ	p	x

122	118	99	104	119	107
102	239	116	228	108	255
126	241	235	34		
103	100	246	114	223	98
113	106	252	181	112	120

**Normal
Shifted:**

Z	V	C	H	W	K
F	I	T	A	L	Y
		N	E		
G	D	O	R	S	B
Q	J	U	M	P	X

90	86	67	72	87	75
70	73	84	65	76	89
32		78	69	32	
71	68	79	82	83	66
81	74	85	77	80	88

**Acute
Shifted:**

Z	V	Ç	H	W	K
F	Í	Á	Ä	Ë	Ý
		Ñ	É		
G	D	Ö	R	S	B
Q	J	Ü	M	P	X

90	86	199	72	87	75
70	205	84	193	76	221
180		78	201	184	
71	68	211	82	83	66
81	74	218	77	80	88

**Grave
Shifted:**

Z	V	C	H	W	K
F	Ì	À	Ä	Ê	Û
		Ñ	É		
G	D	Ö	R	S	B
Q	J	Ü	M	P	X

90	86	67	72	87	75
70	204	222	192	76	89
96		78	200	96	
71	208	210	82	83	66
81	74	217	77	80	88

**Circumflex
Shifted:**

Z	V	C	H	W	K
F	Î	Â	Ä	Ê	Û
	^	Ñ	É	^	
G	D	Ö	R	S	B
Q	J	Ü	M	P	X

142	86	199	72	87	75
70	206	84	194	76	89
136		78	202	136	
71	68	212	82	138	66
81	74	219	77	80	88

**Umlaut
Shifted:**

Z	V	C	H	W	K
F	Ï	Ä	Ä	Ë	Û
	~	Ñ	É	~	
G	D	Ö	R	ß	B
Q	J	Ü	M	P	X

90	86	67	72	87	75
70	207	84	196	76	159
152		209	203	168	
71	68	214	82	223	66
81	74	220	77	80	88

Numbers:

<	>	=	x	÷	+
×	°	@	1	2	3
		&	4	5	6
¥	¢	%	7	8	9
€	£	\$	*	0	#

60	62	61	215	247	43
164	176	64	49	50	51
32		38	52	53	54
165	162	37	55	56	57
128	163	36	42	48	35

**Numbers
Shifted:**

†	∕	°	¬	±	±
‡	∕	∕	1	2	3
n.b.	∕	¼	½	¾	
ã	ö	ü	ü	ü	ü
Ä	Ö	f	ü	ü	ü

134	157	170	172	186	177
135	158	129	185	178	179
160		127	188	189	190
227	245	137	130	175	183
195	213	131	132	173	133

Character Reference – Punctuation Panel

Normal:

- !	45	33
, ?	44	63
. :	46	58
' (	39	40
/)	47	41

Shifted:

_ {	95	161
‘ ’	145	191
’ ;	146	59
" "	34	147
\ "	92	148

Acute:

¢ ©	162	169
£ ®	163	174
\$ ™	36	153
¥ ¶	165	182
€ §	128	167

Grave:

â Ä	229	197
æ Æ	230	198
ø Ø	248	216
œ Œ	156	140
- –	150	151

Circumflex:

< >	139	155
< >	60	62
<< >>	171	187
{ }	123	125
[]	91	93

Umlaut with symbols:

= #	61	35
* @	42	64
• &	149	38
+ %	43	37
! !	124	166

Umlaut with card suits:

= #	61	35
* @	42	64
• &	149	38
♦ ♠	141	144
♥ ♣	143	142

Contact information

Textware Solutions
58 Lexington Street
Burlington MA 01803

PalmFitaly@fitaly.com

781 272 3200 phone
800 355 5251 sales
781 272 1432 fax

<http://www.fitaly.com>

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