

Revolution SDK

KBD Library Supplemental Manual

Version 1.0.1

2009/07/13

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Revision History

Version	Revision Date	Description
1.0.1	2009/07/13	Standardized notation of <i>Revolution SDK</i> (Japanese version only) and revised <i>model number</i> to <i>part number</i> . Section 2.1: Changed title to Part Numbers for Supported Keyboards; revised names of markets; revised text. Figure 4.2.2: Revised position and size.
1.0.0	2009/07/02	Section 2.1: Added country code examples to the tables; changed <i>model number</i> to <i>part number</i> and corrected part numbers; added types of keyboards. Section 2.2: Recommended Country Codes for Each System Region is new.
0.0.4	2009/05/13	Section 2.1: Corrected the note about purchasing a keyboard for a country other than your own; revised the company name for Logitech. Section 4.1: Revised table headings; revised wording in note. Added text related to trademarks.
0.0.3	2009/04/28	Changed <i>USB Keyboard Library</i> to <i>KBD Library</i> . Section 4.2: Added explanation of keys. Made major changes to chapter structure. <ul style="list-style-type: none"> • Changed <i>Supported Keyboards</i> to one chapter. • Divided <i>Differences in Keys</i> into <i>Special Keys</i> and <i>Nonexistent Keys</i>. • Changed <i>Differentiating Keyboards</i> to <i>Determining with Device ID</i>. • Changed <i>Differences in Keys</i> to <i>HID Code</i>. • Changed <i>Key Codes</i> to <i>Keyboard Layout</i>. • Changed the location of <i>Key Allocation Design Examples</i>. • Changed <i>Key Assignments Considering Special Keys</i> to <i>Special Key Allocation</i>. • Changed <i>Text Input</i> to <i>Text Input When Using a Text Input Assistance Tool</i>.
0.0.2	2009/04/14	Revised spacing before and after half-width characters. Section 1.4.1: Revised errors. Section 1.6: Revised wording. Section 3.1: Deleted some text. Section 4.2: Deleted indentation.
0.0.1	2009/04/08	Deleted spaces in headings. Changed location of line returns. Changed bullet styles. Changed detailed wording. <ul style="list-style-type: none"> • Changed full-width symbols into half-width symbols. • Corrected varying notation for <i>kudasai</i>, <i>shimukechi</i>, and <i>tadashi</i>. (Japanese version only) • Inserted a half-width space between full-width and half-width characters. Section 1.1: Changed wording related to the reference manual. Section 1.6: Changed wording. Changed <i>can not</i> to <i>cases when ... can not</i> . Section 3.1: Added an example. Section 3.2: Changed the screen image location. Sections 4.1 and 4.2: Changed the page orientation to landscape.
0.0.0	2009/04/07	Initial version.

1 Overview

1.1 Purpose of This Document

The KBD library (USB Keyboard library) has features to access a USB keyboard connected to a USB port. The use of the KBD library is described in the Introduction section of the *KBD Library Function Reference Manual*. This document is a supplement to the Function Reference Manual and explains cautions regarding differences in keyboard models and regions.

1.2 Content of This Document

This document describes the following content.

- Differences in and cautions for keyboard models for which operations have been verified by Nintendo
- Keyboard layouts for different regions
- Examples of keyboard model differences and examples of deliberate key assignments

1.3 Audience for This Document

This document targets application developers who use USB keyboards.

2 Supported Keyboards

2.1 Part Numbers for Supported Keyboards

Currently, the following keyboard part numbers are supported by the KBD library. When you use the KBD library, refer to this table for the part number, keyboard layout language, and KBD library `KBDCountryCode` that correspond to the region.

Note: You may not be able to purchase a keyboard for a region other than yours, even over the Internet. If you have difficulty getting a keyboard for a region, please email support@NOA.com. We will provide contact information for Logitech (*Logicool* in Japan) customer service.

- Logitech International S.A.: "Cordless Keyboard for Wii"

Table 2-1 Cordless Keyboard for Wii Part Numbers

Part Number	Layout Language	Region	KBDCountryCode
920-000935	UK English	UK	KBD_CC_UNITED_KINGDOM
920-000936	French	France	KBD_CC_FRENCH
920-000937	German	Germany	KBD_CC_GERMAN
920-000938	Italian	Italy	KBD_CC_ITALIAN
920-000939	Spanish	Spain	KBD_CC_SPANISH
920-000934	US English	USA	KBD_CC_UNITED_STATES
920-000942	US International	Holland	KBD_CC_INTERNATIONAL
920-001456	US English	Canada	KBD_CC_UNITED_STATES
920-000951	UK English	Asia Pacific (Australia/New Zealand)	KBD_CC_UNITED_KINGDOM
920-001384	American Spanish	Latin America	KBD_CC_LATIN_AMERICAN
920-001364	Canadian French	Canada	KBD_CC_CANADIAN_FR
920-000941	Japanese	Japan	KBD_CC_JAPANESE

- Logitech International S.A.: "Classic Keyboard 200"

Table 2-2 Classic Keyboard 200 Part Numbers

Part Number	Layout Language	Region	KBDCountryCode
968019-0100	US International	Holland	KBD_CC_INTERNATIONAL
968019-0101	French	France	KBD_CC_FRENCH
968019-0102	German	Germany	KBD_CC_GERMAN
968019-0103	Italian	Italy	KBD_CC_ITALIAN
968019-0104	Spanish	Spain	KBD_CC_SPANISH
968019-0106	Swedish	Sweden	KBD_CC_SWEDISH
968019-0107	Danish	Holland	KBD_CC_DANISH
968019-0108	Norwegian	Norway	KBD_CC_NORWEGIAN
968019-0110	Portuguese	Portugal	KBD_CC_PORTUGUESE
968019-0115	Greek	Greece	KBD_CC_GREEK
968019-0120	UK English	UK	KBD_CC_UNITED_KINGDOM
968019-0403	US English	USA	KBD_CC_UNITED_STATES
968019-0215	French	Canada	KBD_CC_CANADIAN_FR
920-000090	US English	Singapore, New Zealand, Australia, Malaysia, India, Hong Kong	KBD_CC_UNITED_STATES
920-000216 (Model Number: iK-21WH)	Japanese	Japan	KBD_CC_JAPANESE

- Logitech International S.A.: "Access Keyboard 600"

Table 2-3 Access Keyboard 600 Part Numbers

Part Number	Layout Language	Region	KBDCountryCode
920-000025	Canadian French	Canada	KBD_CC_CANADIAN_FR
920-000026	American Spanish	Latin America	KBD_CC_LATIN_AMERICAN

2.2 Recommended Country Codes for Each System Region

When you use the Wii system menu to select a system region and language, a specific keyboard layout is defined. This also holds true when you use the KBD Library. We recommend using the following KBDCountryCode codes to specify a keyboard layout.

2.2.1 North American Region

Language	KBDCountryCode
English	KBD_CC_UNITED_STATES
French	KBD_CC_CANADIAN_FR
Spanish	KBD_CC_LATIN_AMERICAN

2.2.2 European Region

Language	KBDCountryCode
English	KBD_CC_UNITED_KINGDOM
French	KBD_CC_FRENCH
Spanish	KBD_CC_SPANISH
Italian	KBD_CC_ITALIAN
German	KBD_CC_GERMAN
Danish	KBD_CC_INTERNATIONAL

2.2.3 Japanese Region

Language	KBDCountryCode
Japanese	KBD_CC_JAPANESE

2.3 Identifying Devices Using ID Codes

A USB device can be identified by its PID (USB device product ID) and VID (USB device vendor ID). The KBD library currently has no method to get a PID or VID, however, so it cannot identify keyboards connected to the Wii console. The lower-level HID library uses the `HIDDevice` structure to get this information. Please e-mail your request for a copy of the HID Library to support@NOA.com.

3 Differences in Keyboard Models



3.1 Cordless Keyboard for Wii

3.1.1 Special Keys

The Cordless Keyboard for Wii has special keys. For example, the OK key corresponds to the input received when the left ALT+ENTER keys on a normal keyboard are pressed.

The following is a list of the special keys.

Table 3-1 Special Cordless Keyboard for Wii Keys and Corresponding Key Codes

Special Key	Key Code	Comments
OK	0xE2, 0x28	Corresponds to left ALT+ENTER on a normal keyboard
QUIT	0xE2, 0x2A	Corresponds to left ALT+BACKSPACE on a normal keyboard
Zoom Out	0x56	Corresponds to 1 on the numeric keypad
Zoom In	0x57	Corresponds to PLUS SIGN on the numeric keypad
	0xE4, 0x50	Corresponds to right CTRL+LEFT ARROW on a normal keyboard
	0xE4, 0x50	Corresponds to right CTRL+RIGHT ARROW on a normal keyboard

3.1.2 Nonexistent Keys

The following keys are not available on the Cordless Keyboard for Wii. You must not have specifications that require these keys. For more information, see the *Wii Programming Guidelines*.

- Numeric keypad function keys (NUM LOCK, ENTER, HOME, END, PAGE UP, PAGE DOWN)
- INSERT
- PRINT SCREEN, SCROLL LOCK, PAUSE
- Right CTRL, right ALT
- Windows key, application key

4 Differences in Keyboard Layout by Region

4.1 HID Code

USB HID codes normally do not exist in devices. (A key in a specific position returns the same code regardless of what is printed on that key). However, there are some exceptions. The following diagram and table summarize the differences between these codes and a normal keyboard. However, be aware that exceptions not included here may occur.

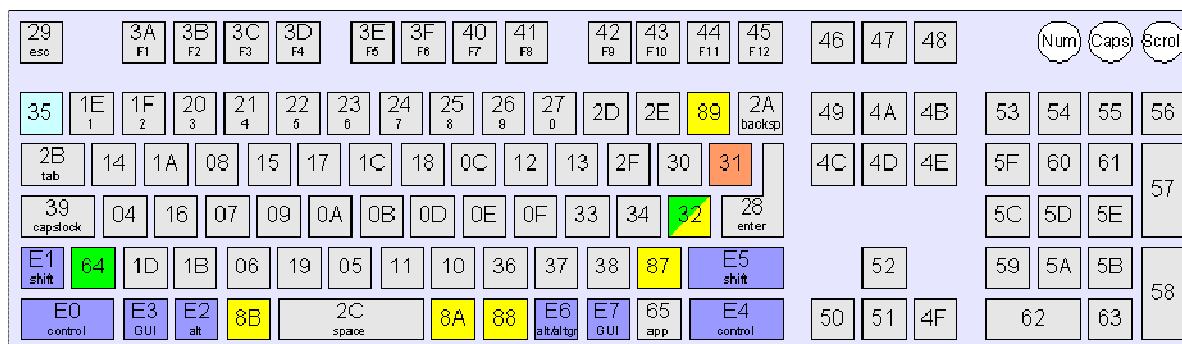


Table 4-1 HID Codes

Region	HID Codes Unique to Keyboards	HID Codes That Do Not Exist in Keyboards
USA	0x31 (backslash/vertical bar)	0x32, 0x64, 0x66-0xDF
EUR	0x32 (vicinity of the ENTER key, symbols vary) 0x64 (vicinity of the left SHIFT key, symbols vary)	0x31, 0x66-0xDF
Japan	0x32 (right bracket/right brace) 0x87 (backslash/underline/RO/dashed line) 0x88 (katakana/hiragana) 0x89 (yen sign/vertical bar) 0x8A (convert) 0x8A (do not convert) 0x94 (see notes below)	0x31 (see notes below) 0x64

Notes:

- Depending on the model of the Japanese keyboard, code 0x31 may be used in place of code 0x32, and code 0x94 may be used in place of 0x35 (half-width/full-width/kanji, the light blue key above). In these cases, these keys are remapped to their expected values internally in the KBD Driver.

- HID regulations define the 0x92 (katakana) and 0x93 (hiragana) codes, but keyboards that use these codes are not in the models for which operations have been confirmed. These HID codes can be obtained directly from the KBD library.
- HID modifier keys are shown in purple. These keys are assigned the above codes in the KBD library.

4.2 Keyboard Layout

The key layout and part number by region for the Classic Keyboard 200 and Access Keyboard 600 are shown below.

Also, keys that are colored in the key layout diagrams are as follows.

- Pink: Dead key. Keys to add phonetic symbols to characters. For example, press the dead key "¨" and then "a" to input "â."
- Blue: Keys, such as the SHIFT or AltGr keys, that toggle uppercase and lowercase or symbols when pressed together with a character key.
- Yellow: "Half-width / Full-width" key. Switches the conversion mode.

4.2.1 USA

US English: Part No. 968019-0403

Default														
`	1	2	3	4	5	6	7	8	9	0	-	=	Backspace	
	q	w	e	r	t	y	u	i	o	p	[]	\	
Caps Lock	a	s	d	f	g	h	j	k	l	;	'	Enter		
Shift		z	x	c	v	b	n	m	,	.	/	Shift		
Ctrl		Alt	(Space)							Alt		Ctrl		

Note: Caps Lock toggles between lowercase and uppercase.

Shift mode																
~	!	@	#	\$	%	^	&	*	(	)	_	+	Backspace			
	Q	W	E	R	T	Y	U	I	O	P	{	}	|			
Caps Lock	A	S	D	F	G	H	J	K	L	:	"	Enter				
Shift	Z	X	C	V	B	N	M	<	>	?	Shift					
Ctrl		Alt	(Space)						Alt				Ctrl			

Note: Caps Lock toggles between lowercase and uppercase.

4.2.2 Canada

US French: Part No. 920-000025

 Dead key

Default														
#	1	2	3	4	5	6	7	8	9	0	-	=	RetourArrière (Backspace)	
	q	w	e	r	t	y	u	i	o	p	^		Entrée (Enter)	
VerrMaj (Caps)	a	s	d	f	g	h	j	k	l	;	'	<		
Maj (Shift)	⌵	z	x	c	v	b	n	m	,	.	é	Maj (Shift)		
Ctrl		Alt	(Space)							AltGr		Ctrl		

Note: Caps toggles between lowercase and uppercase.

Shift mode																
|	!	"	/	\$	%	?	&	*	(	)	-	+	RetourArrière (Backspace)			
		Q	W	E	R	T	Y	U	I	O	P	^	..	Entrée (Enter)		
VerrMaj (Caps)		A	S	D	F	G	H	J	K	L	:	'	>			
Maj (Shift)	»	Z	X	C	V	B	N	M	'	.	É	Maj (Shift)				
Ctrl			Alt	(Space)						AltGr				Ctrl		

Note: Caps toggles between lowercase and uppercase.

AltGr mode																		RetourArrière (Backspace)	
\	±	@	£	¢			|								§	[	]	Entrée (Enter)
VerrMaj (Caps)													~	{	}				
Maj (Shift)	°							μ		-	·	Maj (Shift)							
Ctrl		Alt	(Space)								AltGr				Ctrl				

Note: AltGr = CTRL+ALT

Note: Caps has no effect when AltGr mode is active.

Characters That Are Input with Dead Keys

^	â (Â)	ê (Ê)	û (Û)	î (Î)	ô (Ô)	
`	à (À)	è (È)	ì (Ì)	ò (Ò)	ù (Ù)	
¨	ä (Ä)	ë (Ë)	ü (Ü)	ï (Ï)	ö (Ö)	ÿ (Ÿ)
´	á (Á)	é (É)	í (Í)	ó (Ó)	ú (Ú)	ý (Ý)

4.2.3 Latin America

US Spanish: Part No. 920-000026

 Dead key

Default																Retroceso (Backspace)	
|	1	2	3	4	5	6	7	8	9	0	'	¿					
		q	w	e	r	t	y	u	i	o	p	◌	+	↵			
BloqMayús (Caps)		a	s	d	f	g	h	j	k	l	ñ	{	}				
Mayús (Shift)	<	z	x	c	v	b	n	m	,	.	-	Mayús (Shift)					
Control		Alt	(Space)							AltGr		Control					

Note: Caps toggles between lowercase and uppercase.

Shift mode															
°	!	"	#	\$	%	&	/	(	)	=	?	i	Retroceso (Backspace)		
		Q	W	E	R	T	Y	U	I	O	P	¨	*	↶	
BloqMayús (Caps)		A	S	D	F	G	H	J	K	L	Ñ	[]		
Mayús (Shift)	>	Z	X	C	V	B	N	M	;	:	–	Mayús (Shift)			
Control		Alt	(Space)						AltGr		Control				

Note Caps toggles between lowercase and uppercase.

AltGr mode														
													Retroceso (Backspace)	
	@											~	←	
BloqMayús (Caps)												^	·	
Mayús (Shift)												Mayús (Shift)		
Control		Alt	(Space)					AltGr		Control				

Note: AltGr = CTRL+ALT

Note: Caps has no effect when AltGr mode is active.

Characters That Are Input with Dead Keys

·	á (Á)	é (É)	í (Í)	ó (Ó)	ú (Ú)	ý (Ý)
..	ä (Ä)	ë (Ë)	ü (Ü)	ï (Ï)	ö (Ö)	ÿ (Ÿ)
^	â (Â)	ê (Ê)	û (Û)	î (Î)	ô (Ô)	
·	à (À)	è (È)	ì (Ì)	ò (Ò)	ù (Ù)	

4.2.4 Japan

JP Japan: Part No. 920-000216

Default																
半角	1	2	3	4	5	6	7	8	9	0	-	^	\	Back Space		
	q	w	e	r	t	y	u	i	o	p	@	[	Enter			
Caps Lock		a	s	d	f	g	h	j	k	l	;	:]			
Shift		z	x	c	v	b	n	m	,	.	/	\	Shift			
Ctrl		Alt		(Space)					Alt		Ctrl					

Note: Caps Lock toggles between lowercase and uppercase.

Shift mode																
半角	!	"	#	\$	%	&	'	(	)		=	~	|	Back Space		
	Q	W	E	R	T	Y	U	I	O	P	`	{	Enter			
Caps Lock	A	S	D	F	G	H	J	K	L	+	*	}				
Shift	Z	X	C	V	B	N	M	<	>	?	_	Shift				
Ctrl		Alt		<Space>						Alt			Ctrl			

Note: Caps Lock toggles between lowercase and uppercase.

4.2.5 British English

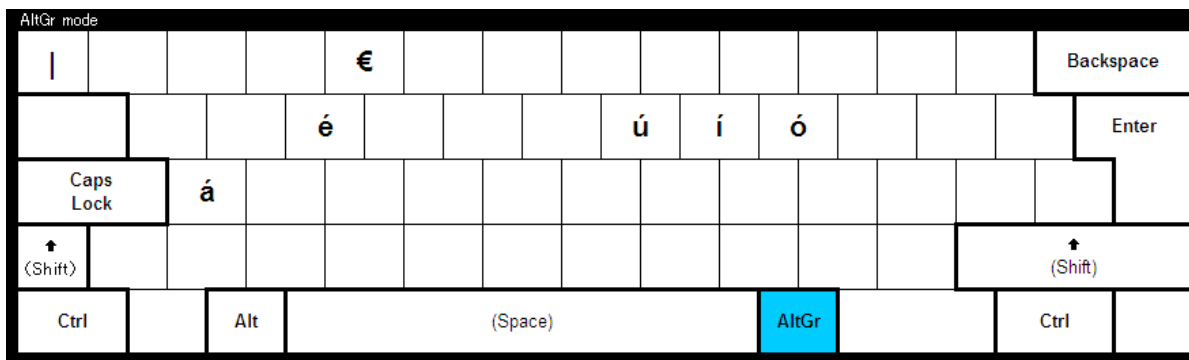
EU English: Part No. 968019-0103

Default														
`	1	2	3	4	5	6	7	8	9	0	-	=	Backspace	
	q	w	e	r	t	y	u	i	o	p	[	]	Enter	
Caps Lock		a	s	d	f	g	h	j	k	l	;	'	#	
↑ (Shift)	\	z	x	c	v	b	n	m	,	.	/	↑ (Shift)		
Ctrl		Alt	(Space)						AltGr		Ctrl			

Note: Caps Lock toggles between lowercase and uppercase.

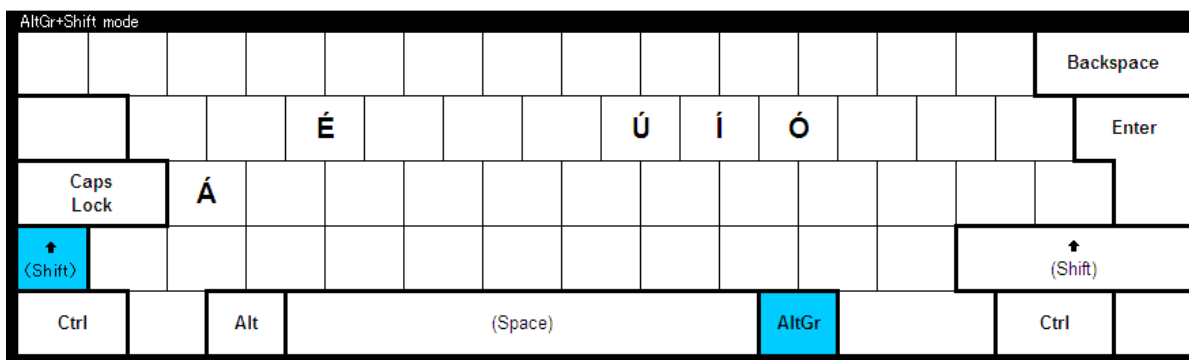
Shift mode														
	!	"	£	\$	%	^	&	*	(	)	_	+	Backspace	
	Q	W	E	R	T	Y	U	I	O	P	{	}	Enter	
Caps Lock		A	S	D	F	G	H	J	K	L	:	@	~	
↑ (Shift)	|	Z	X	C	V	B	N	M	<	>	?	↑ (Shift)		
Ctrl		Alt	(Space)						AltGr		Ctrl			

Note: Caps Lock toggles between lowercase and uppercase.



Note: AltGr = CTRL+ALT

Note: Caps has no effect when AltGr mode is active.





Note: Caps Lock toggles between lowercase and uppercase.

4.2.6 French

EU Français: Part No. 968019-0101

 Dead key

Default													
	&	é	"	'	(	-	è	_	ç	à	)	=	← (Backspace)
	a	z	e	r	t	y	u	i	o	p		\$	Entrée (Enter)
(Caps)	q	s	d	f	g	h	j	k	l	m	ù	*	
↑ (Shift)	<	w	x	c	v	b	n	,	;	:	!		↑ (Shift)
Ctrl		Alt	(Space)						AltGr			Ctrl	

Caps mode													
	1	2	3	4	5	6	7	8	9	0	°	+	← (Backspace)
	A	Z	E	R	T	Y	U	I	O	P		£	Entrée (Enter)
(Caps)	Q	S	D	F	G	H	J	K	L	M	%	µ	
↑ (Shift)	<	W	X	C	V	B	N	?	.	/	§		↑ (Shift)
Ctrl		Alt	(Space)						AltGr			Ctrl	

Shift mode																
	1	2	3	4	5	6	7	8	9	0	°	+	← (Backspace)			
	A	Z	E	R	T	Y	U	I	O	P	..	£	Entrée (Enter)			
(Caps)	Q	S	D	F	G	H	J	K	L	M	%	µ				
↑ (Shift)	>	W	X	C	V	B	N	?	.	/	§	↑ (Shift)				
Ctrl		Alt	(Space)						AltGr		Ctrl					

Shift+Caps mode															
	&	é	"	'	(	-	è	_	ç	à	)	=	← (Backspace)		
	a	z	e	r	t	y	u	i	o	p	^	\$	Entrée (Enter)		
(Caps)	q	s	d	f	g	h	j	k	l	M	ù	*			
↑ (Shift)	>	w	x	c	v	b	n	,	;	:	!	↑ (Shift)			
Ctrl		Alt	(Space)						AltGr		Ctrl				

AltGr mode														
		~	#	{	[	!	`	\	^	@	]	}	← (Backspace)	
				€									Entrée (Enter)	
(Caps)														
↑ (Shift)													↑ (Shift)	
Ctrl		Alt	(Space)							AltGr		Ctrl		

Note: AltGr = CTRL+ALT

Note: Caps has no effect when AltGr mode is active.

Characters That Are Input with Dead Keys

^	â (Â)	ê (Ê)	û (Û)	î (Î)	ô (Ô)		
..	ä (Ä)	ë (Ë)	ü (Ü)	ï (Ï)	ö (Ö)	ÿ (Ÿ)	
~	ã (Ã)	ñ (Ñ)	õ (Õ)				
`	à (À)	è (È)	ì (Ì)	ò (Ò)	ù (Ù)		

4.2.7 Italian

EU Italiano: Part No. 968019-0103

Default														
\	1	2	3	4	5	6	7	8	9	0	'	ì	← (Backspace)	
		q	w	e	r	t	y	u	i	o	p	è	+	Invio (Enter)
(Caps)		a	s	d	f	g	h	j	k	l	ò	à	ù	
↑ (Shift)	<	z	x	c	v	b	n	m	,	.	-	↑ (Shift)		
Ctrl		Alt	(Space)							AltGr		Ctrl		

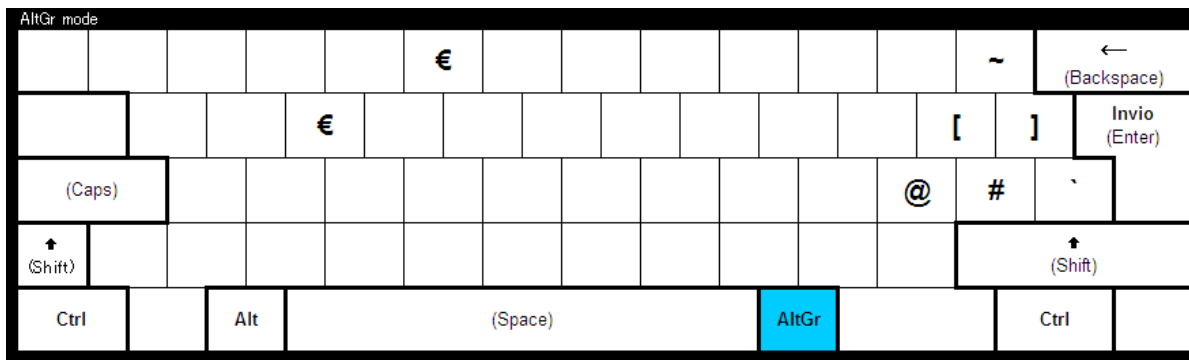
Note: Caps toggles between lowercase and uppercase.

(Accented characters are not toggled.)

Shift mode																
!	!	"	£	\$	%	&	/	(	)	=	?	^	← (Backspace)			
		Q	W	E	R	T	Y	U	I	O	P	é	*	Invio (Enter)		
(Caps)		A	S	D	F	G	H	J	K	L	ç	°	§			
↑ (Shift)	>	Z	X	C	V	B	N	M	;	:	—	↑ (Shift)				
Ctrl			Alt	(Space)								AltGr			Ctrl	

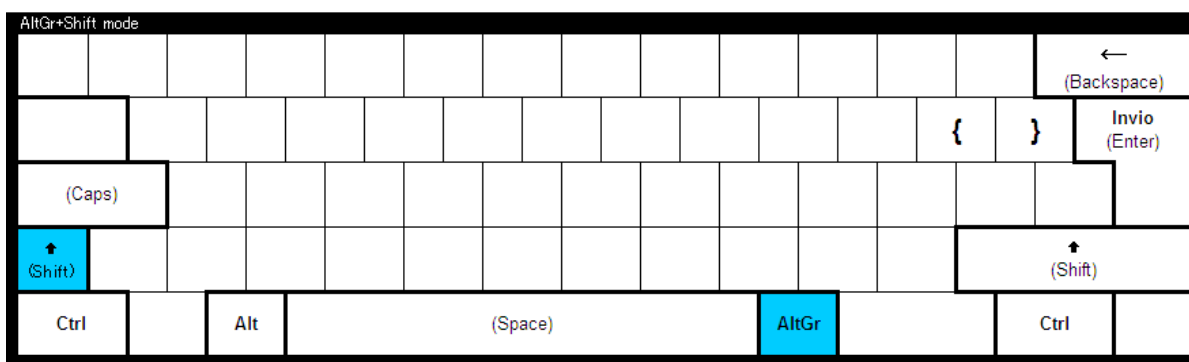
Note: Caps toggles between lowercase and uppercase.

(Accented characters are not toggled.)



Note: AltGr = CTRL+ALT

Note: Caps has no effect when AltGr mode is active.



4.2.8 German

EU Deutsch: Part No. 968019-0102

 Dead key

Default

^	1	2	3	4	5	6	7	8	9	0	ß		← (Backspace)
	q	w	e	r	t	z	u	i	o	p	ü	+	↵ (Enter)
(Caps)	a	s	d	f	g	h	j	k	l	ö	ä	#	
↑ (Shift)	<	y	x	c	v	b	n	m	,	.	-	↑ (Shift)	
Strg (Ctrl)		Alt	(Space)						AltGr		Strg (Ctrl)		

Caps mode

^	!	"	§	\$	%	&	/	(	)	=	?		← (Backspace)
	Q	W	E	R	T	Z	U	I	O	P	Ü	*	↵ (Enter)
(Caps)	A	S	D	F	G	H	J	K	L	Ö	Ä	'	
↑ (Shift)	<	Y	X	C	V	B	N	M	;	:	-	↑ (Shift)	
Strg (Ctrl)		Alt	(Space)						AltGr		Strg (Ctrl)		

Shift mode																
°	!	"	§	\$	%	&	/	(	)	=	?	·	← (Backspace)			
		Q	W	E	R	T	Z	U	I	O	P	Ü	*	↵ (Enter)		
(Caps)		A	S	D	F	G	H	J	K	L	Ö	Ä	'			
↑ (Shift)	>	Y	X	C	V	B	N	M	;	:	–	↑ (Shift)				
Strg (Ctrl)		Alt	(Space)							AltGr				Strg (Ctrl)		

Shift+Caps mode																
°	1	2	3	4	5	6	7	8	9	0	ß	·	← (Backspace)			
		q	w	e	r	t	z	u	i	o	p	ü	+	↵ (Enter)		
(Caps)		a	s	d	f	g	h	j	k	l	ö	ä	#			
↑ (Shift)	>	y	x	c	v	b	n	m	,	.	–	↑ (Shift)				
Strg (Ctrl)			Alt	(Space)						AltGr			Strg (Ctrl)			

AltGr mode															
								{	[]	}	\		← (Backspace)	
	@		€									~	↵ (Enter)		
(Caps)															
↑ (Shift)	!							μ					↑ (Shift)		
Strg (Ctrl)		Alt	(Space)					AltGr			Strg (Ctrl)				

Note: AltGr = CTRL+ALT

Note: Caps has no effect when AltGr mode is active.

Characters That Are Input with Dead Keys

^	â (Â)	ê (Ê)	û (Û)	î (Î)	ô (Ô)						
·	á (Á)	é (É)	í (Í)	ó (Ó)	ú (Ú)	ý (Ý)					
·	à (À)	è (È)	ì (Ì)	ò (Ò)	ù (Ù)						

4.2.9 Spanish

EU Español: Part No. 968019-0104



Default													
°	1	2	3	4	5	6	7	8	9	0	'	i	Retroceso (Backspace)
	q	w	e	r	t	y	u	i	o	p		+	(Enter)
BloqMayús (Caps)	a	s	d	f	g	h	j	k	l	ñ		ç	
Mayús (Shift)	<	z	x	c	v	b	n	m	,	.	-		Mayús (Shift)
Control		Alt	(Space)						AltGr			Control	

Note: Caps Lock toggles between lowercase and uppercase.

Shift mode													
a	!	"	-	\$	%	&	/	(	)	=	?	¿	Retroceso (Backspace)
	Q	W	E	R	T	Y	U	I	O	P		^	*
BloqMayús (Caps)	A	S	D	F	G	H	J	K	L	Ñ		ç	
Mayús (Shift)	>	Z	X	C	V	B	N	M	;	:	-		Mayús (Shift)
Control		Alt	(Space)						AltGr			Control	

Note: Caps Lock toggles between lowercase and uppercase.

AltGr mode													
\	|	@	#	~	€								Retroceso (Backspace)
			€								[	]	(Enter)
BloqMayús (Caps)											{	}	
Mayús (Shift)													Mayús (Shift)
Control		Alt	(Space)						AltGr			Control	

Note: AltGr = CTRL+ALT

Note: Caps has no effect when AltGr mode is active.



Characters That Are Input with Dead Keys

·	à (À)	è (È)	ì (Ì)	ò (Ò)	ù (Ù)		
´	á (Á)	é (É)	í (Í)	ó (Ó)	ú (Ú)	ý (Ý)	
^	â (Â)	ê (Ê)	û (Û)	î (Î)	ô (Ô)		
¨	ä (Ä)	ë (Ë)	ü (Ü)	ï (Ï)	ö (Ö)	ÿ (Ÿ)	
~	ã (Ã)	ñ (Ñ)	õ (Õ)				




4.2.10 Dutch

EU Nederlands: Part No. 968019-0100

 Dead key

Default		1	2	3	4	5	6	7	8	9	0	-	=	← (Backspace)
		q	w	e	r	t	y	u	i	o	p	[]	↵
	Caps Lock	a	s	d	f	g	h	j	k	l	;		\	
	↑ (Shift)	\	z	x	c	v	b	n	m	,	.	/		↑ (Shift)
	Ctrl		Alt	(Space)						AltGr			Ctrl	

Note: Caps Lock toggles between lowercase and uppercase.

Shift mode		!	@	#	\$	%		&	*	(	)	-	+	← (Backspace)
		Q	W	E	R	T	Y	U	I	O	P	{	}	↵
	Caps Lock	A	S	D	F	G	H	J	K	L	:		|	
	↑ (Shift)	|	Z	X	C	V	B	N	M	<	>	?		↑ (Shift)
	Ctrl		Alt	(Space)						AltGr			Ctrl	

Note: Caps Lock toggles between lowercase and uppercase.

AltGr mode																
	i				€				‘	’	¥	×	← (Backspace)			
	ä	å	é	®		ü	ú	í	ó	ö	«	»	↶			
Caps Lock		á	ß							ø		’				
↑ (Shift)		æ		©			ñ	μ	ç		¿	↑ (Shift)				
Ctrl		Alt	(Space)								AltGr		Ctrl			

Note: AltGr = CTRL+ALT

Note: Caps has no effect when AltGr mode is active.

AltGr+Shift mode															
				£							÷	← (Backspace)			
	Ä	Å	É			Ü	Ú	Í	Ó	Ö			↶		
Caps Lock	Á	Ş								Ø	°	..	|		
↑ (Shift)	Æ		Φ			Ñ		Ç			↑ (Shift)				
Ctrl		Alt	(Space)								AltGr		Ctrl		

Note: Caps Lock toggles between lowercase and uppercase.

Characters That Are Input with Dead Keys



·	à (À)	è (È)	ì (Ì)	ò (Ò)	ù (Ù)		
˘	á (Á)	ç (Ç)	é (É)	í (Í)	ó (Ó)	ú (Ú)	ý (Ý)
˜	ā (Ă)	ñ (Ñ)	ō (Ŏ)				
^	â (Â)	ê (Ê)	û (Û)	î (Î)	ô (Ô)		
¨	ä (Ä)	ë (Ë)	ü (Ü)	ï (Ï)	ö (Ö)	ÿ (Ÿ)	

5 Key Allocation Design Examples

5.1 Special Key Allocation

Special keys on the Cordless Keyboard for Wii are used as shown in the table below. For applications that use a keyboard, it is desirable to have a key allocation that considers both the wireless Wii keyboard and a normal keyboard layout.

Table 5-1 Special Cordless Keyboard for Wii Keys

Special Keys	Using the Tool
OK	Confirm
QUIT	Stop, Cancel
Zoom Out	Reduce text, zoom out on the screen
Zoom In	Enlarge text, zoom in on the screen
	Return, Previous page
	Proceed, Next page

5.2 Text Input When Using a Text Input Assistance Tool

When using a text input assistance tool that performs conversion or predictions, such as ATOK or Zi, the following key layout is desirable.

5.2.1 Japanese

Table 5-2 Key Layout for Japanese Text Input

	ATOK OFF	ATOK ON		
		When There Is No Input (When There Are No Undetermined Characters)	When There Is Input (When There Are Undetermined Characters)	
			When Not in Normal Conversion Mode	When in Normal Conversion Mode
Screenshot	Figure 5-1	Figure 5-2	Figure 5-3	Figure 5-4
ALT+ENTER	OK			
ALT+BS	Stop			
ALT+ESC	Stop			

	ATOK OFF	ATOK ON		
		When There Is No Input (When There Are No Undetermined Characters)	When There Is Input (When There Are Undetermined Characters)	
			When Not in Normal Conversion Mode	When in Normal Conversion Mode
Katakana Hiragana Romaji	Switching between Hiragana and Katakana			
Half-width/Full-width	Switching between Eng (and ATOK OFF) and Kana (and ATOK ON)			
F4	Switching between Eng (and ATOK OFF) and Kana (and ATOK ON)			
UP/DOWN ARROW key	Move input cursor position		Enter normal conversion mode (same as SPACEBAR)	Move conversion candidate selection
RIGHT/LEFT ARROW key			Move "Prediction Candidate" selection	Shorten segment
ENTER	Line return (only in modes allowing line returns)		Input characters are confirmed as is	Segment confirmation
SPACEBAR	Input space (only in modes that allow spaces to be input)		Enter normal conversion mode	Move candidate selection to right (same as RIGHT ARROW key)
SHIFT+ SPACEBAR				Move candidate selection to left (same as LEFT ARROW key)
ESC	No response			Cancel conversion

Figure 5-1 Japanese Text Input: ATOK OFF



Figure 5-2 Japanese Text Input: When Not Performing Input

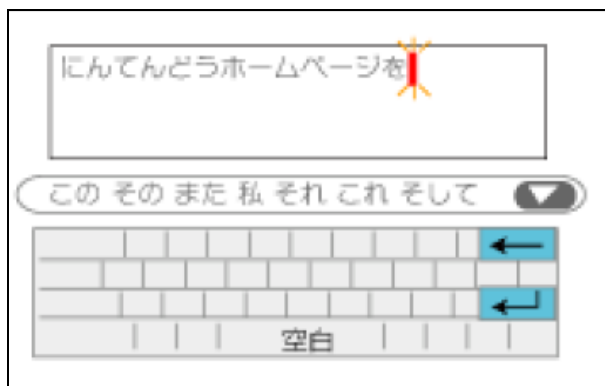


Figure 5-3 Japanese Text Input: When Not in Normal Conversion Mode

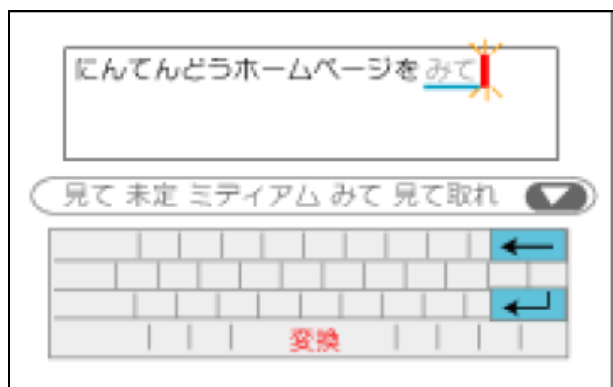


Figure 5-4 Japanese Text Input: When in Normal Conversion Mode



5.2.2 Non-Japanese Languages

Table 5-3 Key Layout for Non-Japanese Text Input

	Zi OFF	Zi ON		
		When Not Performing Input (Status in Which There Are No Prediction Candidates)	When Performing Input (Status in Which There Are Prediction Candidates)	
			When a Candidate Is Not Selected	When a Candidate Is Selected
Screenshot	Figure 5-5	Figure 5-6	Figure 5-7	Figure 5-8
ALT+ENTER	OK			
ALT+BS	Stop			
ALT+ESC	Stop			
Katakana Hiragana Romaji	---			
Half-width/Full-width	---			
F4	Switch between eZiText ON and eZiText OFF			
UP/DOWN ARROW key	Move input cursor position		No response	
RIGHT/LEFT ARROW key			Move "Prediction Candidate" selection	
ENTER	Line Return (only in modes allowing line returns)		Input characters are confirmed as is (does not include gray completion portion)	Selected "Predication Candidate" is confirmed
SPACEBAR	Input space (only in modes that allow spaces to be input)		Input characters are confirmed as is (does not include gray completion portion)	Selected "Predication Candidate" is confirmed
SHIFT+ SPACEBAR			+ Space (added)	+ Space (added)
ESC	No response			

Figure 5-5 Non-Japanese Text Input: Zi OFF

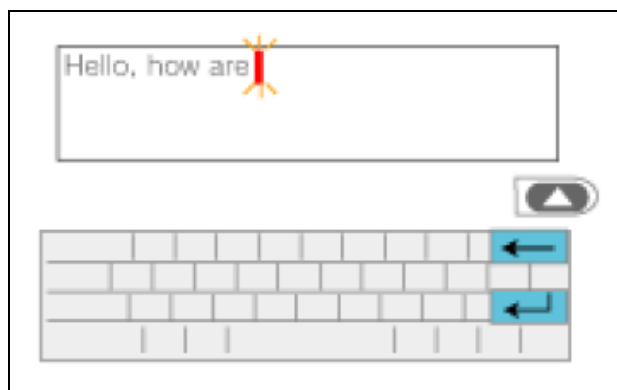


Figure 5-6 Non-Japanese Text Input: When Not Performing Input

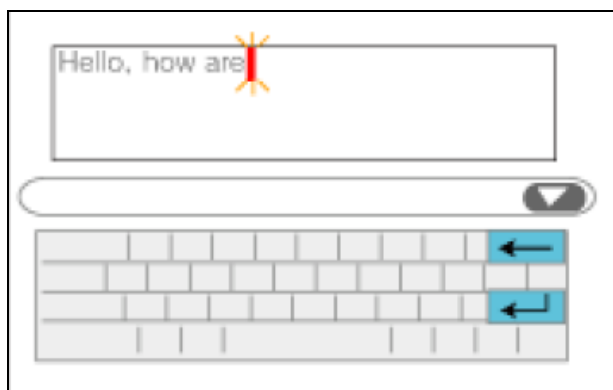


Figure 5-7 Non-Japanese Text Input: When a Candidate Is Not Selected

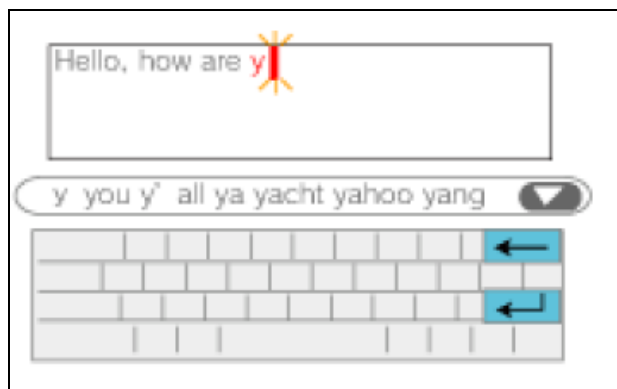
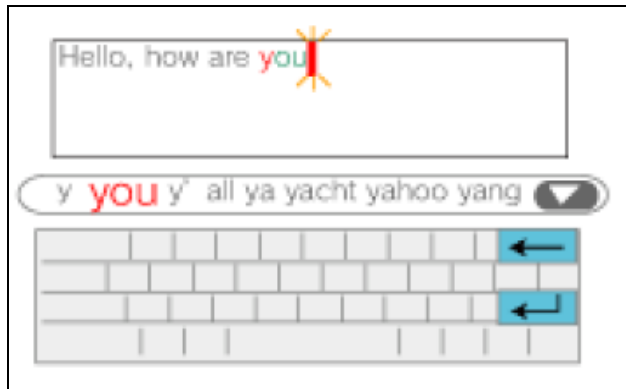


Figure 5-8 Non-Japanese Text Input: When a Candidate Is Selected



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