Keycodes Overview

When defining a keymap each key needs a valid key definition. This page documents the symbols that correspond to keycodes that are available to you in QMK.

This is a reference only. Each group of keys links to the page documenting their functionality in more detail.

Basic Keycodes

See also: Basic Keycodes

Key	Aliases	Description	Windows	macOS	Linux[1]
KC_NO	XXXXXXX	Ignore this key (NOOP)	N/A	N/A	N/A
KC_TRANSPARENT	KC_TRNS, _____	Use the next lowest non-transparent key	N/A	N/A	N/A
KC_A		a and A	✔	✔	✔
KC_B		b and B	✔	✔	✔
KC_C		c and C	✔	✔	✔
KC_D		d and D	✔	✔	✔
KC_E		e and E	✔	✔	✔
KC_F		f and F	✔	✔	✔
KC_G		g and G	✔	✔	✔
KC_H		h and H	✔	✔	✔
KC_I		i and I	✔	✔	✔
KC_J		j and J	✔	✔	✔
KC_K		k and K	✔	✔	✔
KC_L		l and L	✔	✔	✔
KC_M		m and M	✔	✔	✔
KC_N		n and N	✔	✔	✔
KC_O		o and O	✔	✔	✔
KC_P		p and P	✔	✔	✔
KC_Q		q and Q	✔	✔	✔
KC_R		r and R	✔	✔	✔

Key	Aliases	Description	Windows	macOS	Linux[1]
KC_S		s and S	✔	✔	✔
KC_T		t and T	✔	✔	✔
KC_U		u and U	✔	✔	✔
KC_V		v and V	✔	✔	✔
KC_W		w and W	✔	✔	✔
KC_X		x and X	✔	✔	✔
KC_Y		y and Y	✔	✔	✔
KC_Z		z and Z	✔	✔	✔
KC_1		1 and !	✔	✔	✔
KC_2		2 and @	✔	✔	✔
KC_3		3 and #	✔	✔	✔
KC_4		4 and $	✔	✔	✔
KC_5		5 and %	✔	✔	✔
KC_6		6 and ^	✔	✔	✔
KC_7		7 and &	✔	✔	✔
KC_8		8 and *	✔	✔	✔
KC_9		9 and (	✔	✔	✔
KC_0		0 and)	✔	✔	✔
KC_ENTER	KC_ENT	Return (Enter)	✔	✔	✔
KC_ESCAPE	KC_ESC	Escape	✔	✔	✔
KC_BSPACE	KC_BSPC	Delete (Backspace)	✔	✔	✔
KC_TAB		Tab	✔	✔	✔
KC_SPACE	KC_SPC	Spacebar	✔	✔	✔
KC_MINUS	KC_MINS	- and _	✔	✔	✔
KC_EQUAL	KC_EQL	= and +	✔	✔	✔
KC_LBRACKET	KC_LBRC	[and {	✔	✔	✔
KC_RBRACKET	KC_RBRC	] and }	✔	✔	✔
KC_BSLASH	KC_BSLS	\ and |	✔	✔	✔
KC_NONUS_HASH	KC_NUHS	Non-US # and ~	✔	✔	✔
KC_SCOLON	KC_SCLN	; and :	✔	✔	✔
KC_QUOTE	KC_QUOT	' and "	✔	✔	✔
KC_GRAVE	KC_GRV, KC_ZKHK	` and ~, JIS Zenkaku/Hankaku	✔	✔	✔
KC_COMMA	KC_COMM	, and <	✔	✔	✔
KC_DOT		. and >	✔	✔	✔

Key	Aliases	Description	Windows	macOS	Linux[1]
KC_SLASH	KC_SLSH	/ and ?	✔	✔	✔
KC_CAPSLOCK	KC_CLCK, KC_CAPS	Caps Lock	✔	✔	✔
KC_F1		F1	✔	✔	✔
KC_F2		F2	✔	✔	✔
KC_F3		F3	✔	✔	✔
KC_F4		F4	✔	✔	✔
KC_F5		F5	✔	✔	✔
KC_F6		F6	✔	✔	✔
KC_F7		F7	✔	✔	✔
KC_F8		F8	✔	✔	✔
KC_F9		F9	✔	✔	✔
KC_F10		F10	✔	✔	✔
KC_F11		F11	✔	✔	✔
KC_F12		F12	✔	✔	✔
KC_PSCREEN	KC_PSCR	Print Screen	✔	✔[2]	✔
KC_SCROLLLOCK	KC_SLCK, KC_BRMD	Scroll Lock, Brightness Down (macOS)	✔	✔[2]	✔
KC_PAUSE	KC_PAUS, KC_BRK, KC_BRMU	Pause, Brightness Up (macOS)	✔	✔[2]	✔
KC_INSERT	KC_INS	Insert	✔		✔
KC_HOME		Home	✔	✔	✔
KC_PGUP		Page Up	✔	✔	✔
KC_DELETE	KC_DEL	Forward Delete	✔	✔	✔
KC_END		End	✔	✔	✔
KC_PGDOWN	KC_PGDN	Page Down	✔	✔	✔
KC_RIGHT	KC_RGHT	Right Arrow	✔	✔	✔
KC_LEFT		Left Arrow	✔	✔	✔
KC_DOWN		Down Arrow	✔	✔	✔
KC_UP		Up Arrow	✔	✔	✔
KC_NUMLOCK	KC_NLCK	Keypad Num Lock and Clear	✔	✔	✔

Key	Aliases	Description	Windows	macOS	Linux[1]
KC_KP_SLASH	KC_PSLS	Keypad /	✔	✔	✔
KC_KP_ASTERISK	KC_PAST	Keypad *	✔	✔	✔
KC_KP_MINUS	KC_PMNS	Keypad -	✔	✔	✔
KC_KP_PLUS	KC_PPLS	Keypad +	✔	✔	✔
KC_KP_ENTER	KC_PENT	Keypad Enter	✔	✔	✔
KC_KP_1	KC_P1	Keypad 1 and End	✔	✔	✔
KC_KP_2	KC_P2	Keypad 2 and Down Arrow	✔	✔	✔
KC_KP_3	KC_P3	Keypad 3 and Page Down	✔	✔	✔
KC_KP_4	KC_P4	Keypad 4 and Left Arrow	✔	✔	✔
KC_KP_5	KC_P5	Keypad 5	✔	✔	✔
KC_KP_6	KC_P6	Keypad 6 and Right Arrow	✔	✔	✔
KC_KP_7	KC_P7	Keypad 7 and Home	✔	✔	✔
KC_KP_8	KC_P8	Keypad 8 and Up Arrow	✔	✔	✔
KC_KP_9	KC_P9	Keypad 9 and Page Up	✔	✔	✔
KC_KP_0	KC_P0	Keypad 0 and Insert	✔	✔	✔
KC_KP_DOT	KC_PDOT	Keypad . and Delete	✔	✔	✔
KC_NONUS_BSLASH	KC_NUBS	Non-US \ and |	✔	✔	✔
KC_APPLICATION	KC_APP	Application (Windows Context Menu Key)	✔		✔
KC_POWER		System Power		✔[3]	✔
KC_KP_EQUAL	KC_PEQL	Keypad =	✔	✔	✔
KC_F13		F13	✔	✔	✔
KC_F14		F14	✔	✔	✔
KC_F15		F15	✔	✔	✔
KC_F16		F16	✔	✔	✔
KC_F17		F17	✔	✔	✔
KC_F18		F18	✔	✔	✔
KC_F19		F19	✔	✔	✔
KC_F20		F20	✔		✔
KC_F21		F21	✔		✔
KC_F22		F22	✔		✔

Key	Aliases	Description	Windows	macOS	Linux[1]
KC_F23		F23	✔		✔
KC_F24		F24	✔		✔
KC_EXECUTE	KC_EXEC	Execute			✔
KC_HELP		Help			✔
KC_MENU		Menu			✔
KC_SELECT	KC_SLCT	Select			✔
KC_STOP		Stop			✔
KC_AGAIN	KC_AGIN	Again			✔
KC_UNDO		Undo			✔
KC_CUT		Cut			✔
KC_COPY		Copy			✔
KC_PASTE	KC_PSTE	Paste			✔
KC_FIND		Find			✔
KC__MUTE		Mute		✔	✔
KC__VOLUP		Volume Up		✔	✔
KC__VOLDOWN		Volume Down		✔	✔
KC_LOCKING_CAPS	KC_LCAP	Locking Caps Lock	✔	✔	
KC_LOCKING_NUM	KC_LNUM	Locking Num Lock	✔	✔	
KC_LOCKING_SCROLL	KC_LSCR	Locking Scroll Lock	✔	✔	
KC_KP_COMMA	KC_PCMM	Keypad ,			✔
KC_KP_EQUAL_AS400		Keypad = on AS/400 keyboards			
KC_INT1	KC_RO	JIS \ and _	✔		✔
KC_INT2	KC_KANA	JIS Katakana/Hiragana	✔		✔
KC_INT3	KC_JYEN	JIS ¥ and		✔		✔
KC_INT4	KC_HENK	JIS Henkan	✔		✔
KC_INT5	KC_MHEN	JIS Muhenkan	✔		✔
KC_INT6		JIS Numpad ,			✔
KC_INT7		International 7			
KC_INT8		International 8			
KC_INT9		International 9			
KC_LANG1	KC_HAEN	Hangul/English			✔
KC_LANG2	KC_HANJ	Hanja			✔
KC_LANG3		JIS Katakana			✔

Key	Aliases	Description	Windows	macOS	Linux[1]
KC_LANG4		JIS Hiragana			✔
KC_LANG5		JIS Zenkaku/Hankaku			✔
KC_LANG6		Language 6			
KC_LANG7		Language 7			
KC_LANG8		Language 8			
KC_LANG9		Language 9			
KC_ALT_ERASE	KC_ERAS	Alternate Erase			
KC_SYSREQ		SysReq/Attention			
KC_CANCEL		Cancel			
KC_CLEAR	KC_CLR	Clear			✔
KC_PRIOR		Prior			
KC_RETURN		Return			
KC_SEPARATOR		Separator			
KC_OUT		Out			
KC_OPER		Oper			
KC_CLEAR_AGAIN		Clear/Again			
KC_CRSEL		CrSel/Props			
KC_EXSEL		ExSel			
KC_LCTRL	KC_LCTL	Left Control	✔	✔	✔
KC_LSHIFT	KC_LSFT	Left Shift	✔	✔	✔
KC_LALT	KC_LOPT	Left Alt (Option)	✔	✔	✔
KC_LGUI	KC_LCMD, KC_LWIN	Left GUI (Windows/Command/Meta key)	✔	✔	✔
KC_RCTRL	KC_RCTL	Right Control	✔	✔	✔
KC_RSHIFT	KC_RSFT	Right Shift	✔	✔	✔
KC_RALT	KC_ROPT, KC_ALGR	Right Alt (Option/AltGr)	✔	✔	✔
KC_RGUI	KC_RCMD, KC_RWIN	Right GUI (Windows/Command/Meta key)	✔	✔	✔
KC_SYSTEM_POWER	KC_PWR	System Power Down	✔	✔[3]	✔
KC_SYSTEM_SLEEP	KC_SLEP	System Sleep	✔	✔[3]	✔
KC_SYSTEM_WAKE	KC_WAKE	System Wake		✔[3]	✔
KC_AUDIO_MUTE	KC_MUTE	Mute	✔	✔	✔

Key	Aliases	Description	Windows	macOS	Linux [1]
KC_AUDIO_VOL_UP	KC_VOLU	Volume Up	✔	✔[4]	✔
KC_AUDIO_VOL_DOWN	KC_VOLD	Volume Down	✔	✔[4]	✔
KC_MEDIA_NEXT_TRACK	KC_MNXT	Next Track	✔	✔[5]	✔
KC_MEDIA_PREV_TRACK	KC_MPRV	Previous Track	✔	✔[5]	✔
KC_MEDIA_STOP	KC_MSTP	Stop Track	✔		✔
KC_MEDIA_PLAY_PAUSE	KC_MPLY	Play/Pause Track	✔	✔	✔
KC_MEDIA_SELECT	KC_MSEL	Launch Media Player	✔		✔
KC_MEDIA_EJECT	KC_EJCT	Eject		✔	✔
KC_MAIL		Launch Mail	✔		✔
KC_CALCULATOR	KC_CALC	Launch Calculator	✔		✔
KC_MY_COMPUTER	KC_MYCM	Launch My Computer	✔		✔
KC_WWW_SEARCH	KC_WSCH	Browser Search	✔		✔
KC_WWW_HOME	KC_WHOM	Browser Home	✔		✔
KC_WWW_BACK	KC_WBAK	Browser Back	✔		✔
KC_WWW_FORWARD	KC_WFWD	Browser Forward	✔		✔
KC_WWW_STOP	KC_WSTP	Browser Stop	✔		✔
KC_WWW_REFRESH	KC_WREF	Browser Refresh	✔		✔
KC_WWW_FAVORITES	KC_WFAV	Browser Favorites	✔		✔
KC_MEDIA_FAST_FORWARD	KC_MFFD	Next Track	✔	✔[5]	✔
KC_MEDIA_REWIND	KC_MRWD	Previous Track	✔[6]	✔[5]	✔
KC_BRIGHTNESS_UP	KC_BRIU	Brightness Up	✔	✔	✔
KC_BRIGHTNESS_DOWN	KC_BRID	Brightness Down	✔	✔	✔

1. The Linux kernel HID driver recognizes nearly all keycodes, but the default bindings depend on the DE/WM.

2. Treated as F13-F15.

3. Must be held for about three seconds, and will display a prompt instead.

4. Holding Shift+Option allows for finer control of volume level.

5. Skips the entire track in iTunes when tapped, seeks within the current track when held.

6. WMP does not recognize the Rewind key, but both alter playback speed in VLC.

Quantum Keycodes

See also: Quantum Keycodes

Key	Aliases	Description
RESET		Put the keyboard into bootloader mode for flashing
DEBUG		Toggle debug mode
EEPROM_RESET	EEP_RST	Reinitializes the keyboard's EEPROM (persistent memory)

Audio Keys

See also: [Audio](#)

Key	Aliases	Description
AU_ON		Turns on Audio Feature
AU_OFF		Turns off Audio Feature
AU_TOG		Toggles Audio state
CLICKY_TOGGLE	CK_TOGG	Toggles Audio clicky mode
CLICKY_UP	CK_UP	Increases frequency of the clicks
CLICKY_DOWN	CK_DOWN	Decreases frequency of the clicks
CLICKY_RESET	CK_RST	Resets frequency to default
MU_ON		Turns on Music Mode
MU_OFF		Turns off Music Mode
MU_TOG		Toggles Music Mode
MU_MOD		Cycles through the music modes

Backlighting

See also: [Backlighting](#)

Key	Description
BL_TOGG	Turn the backlight on or off
BL_STEP	Cycle through backlight levels
BL_ON	Set the backlight to max brightness
BL_OFF	Turn the backlight off
BL_INC	Increase the backlight level
BL_DEC	Decrease the backlight level
BL_BRTG	Toggle backlight breathing

Bootmagic

See also: Bootmagic

Key	Aliases	Description
MAGIC_SWAP_CONTROL_CAPSLOCK	CL_SWAP	Swap Caps Lock and Left Control
MAGIC_UNSWAP_CONTROL_CAPSLOCK	CL_NORM	Unswap Caps Lock and Left Control
MAGIC_CAPSLOCK_TO_CONTROL	CL_CTRL	Treat Caps Lock as Control
MAGIC_UNCAPSLOCK_TO_CONTROL	CL_CAPS	Stop treating Caps Lock as Control
MAGIC_SWAP_LCTL_LGUI	LCG_SWP	Swap Left Control and GUI
MAGIC_UNSWAP_LCTL_LGUI	LCG_NRM	Unswap Left Control and GUI
MAGIC_SWAP_RCTL_RGUI	RCG_SWP	Swap Right Control and GUI
MAGIC_UNSWAP_RCTL_RGUI	RCG_NRM	Unswap Right Control and GUI
MAGIC_SWAP_CTL_GUI	CG_SWAP	Swap Control and GUI on both sides
MAGIC_UNSWAP_CTL_GUI	CG_NORM	Unswap Control and GUI on both sides
MAGIC_TOGGLE_CTL_GUI	CG_TOGG	Toggle Control and GUI swap on both sides
MAGIC_SWAP_LALT_LGUI	LAG_SWP	Swap Left Alt and GUI
MAGIC_UNSWAP_LALT_LGUI	LAG_NRM	Unswap Left Alt and GUI
MAGIC_SWAP_RALT_RGUI	RAG_SWP	Swap Right Alt and GUI
MAGIC_UNSWAP_RALT_RGUI	RAG_NRM	Unswap Right Alt and GUI
MAGIC_SWAP_ALT_GUI	AG_SWAP	Swap Alt and GUI on both sides
MAGIC_UNSWAP_ALT_GUI	AG_NORM	Unswap Alt and GUI on both sides
MAGIC_TOGGLE_ALT_GUI	AG_TOGG	Toggle Alt and GUI swap on both sides
MAGIC_NO_GUI	GUI_OFF	Disable the GUI keys
MAGIC_UNNO_GUI	GUI_ON	Enable the GUI keys
MAGIC_SWAP_GRAVE_ESC	GE_SWAP	Swap ` and Escape
MAGIC_UNSWAP_GRAVE_ESC	GE_NORM	Unswap ` and Escape
MAGIC_SWAP_BACKSLASH_BACKSPACE	BS_SWAP	Swap \ and Backspace
MAGIC_UNSWAP_BACKSLASH_BACKSPACE	BS_NORM	Unswap \ and Backspace

Key	Aliases	Description
MAGIC_HOST_NKRO	NK_ON	Enable N-key rollover
MAGIC_UNHOST_NKRO	NK_OFF	Disable N-key rollover
MAGIC_TOGGLE_NKRO	NK_TOGG	Toggle N-key rollover
MAGIC_EE_HANDS_LEFT	EH_LEFT	Set the master half of a split keyboard as the left hand (for EE_HANDS)
MAGIC_EE_HANDS_RIGHT	EH_RGHT	Set the master half of a split keyboard as the right hand (for EE_HANDS)

Bluetooth

See also: Bluetooth

Key	Description
OUT_AUTO	Automatically switch between USB and Bluetooth
OUT_USB	USB only
OUT_BT	Bluetooth only

Dynamic Macros

See also: Dynamic Macros

Key	Aliases	Description
DYN_REC_START1	DM_REC1	Start recording Macro 1
DYN_REC_START2	DM_REC2	Start recording Macro 2
DYN_MACRO_PLAY1	DM_PLY1	Replay Macro 1
DYN_MACRO_PLAY2	DM_PLY2	Replay Macro 2
DYN_REC_STOP	DM_RSTP	Finish the macro that is currently being recorded.

Grave Escape

See also: Grave Escape

Key	Aliases	Description
GRAVE_ESC	KC_GESC	Escape when pressed, ` when Shift or GUI are held

Key Lock

See also: [Key Lock](#)

Key	Description
KC_LOCK	Hold down the next key pressed, until the key is pressed again

Layer Switching

See also: [Layer Switching](#)

Key	Description
DF(layer)	Set the base (default) layer
MO(layer)	Momentarily turn on layer when pressed (requires KC_TRNS on destination layer)
OSL(layer)	Momentarily activates layer until a key is pressed. See [One Shot Keys](#) for details.
LM(layer, mod)	Momentarily turn on layer (like MO) with mod active as well. Where mod is a mods_bit. Mods can be viewed [here](#). Example Implementation: LM(LAYER_1, MOD_LALT)
LT(layer, kc)	Turn on layer when held, kc when tapped
TG(layer)	Toggle layer on or off
TO(layer)	Turns on layer and turns off all other layers, except the default layer
TT(layer)	Normally acts like MO unless it's tapped multiple times, which toggles layer on

Leader Key

See also: [Leader Key](#)

Key	Description
KC_LEAD	Begins a leader sequence

Mouse Keys

See also: [Mouse Keys](#)

Key	Aliases	Description
KC_MS_UP	KC_MS_U	Mouse Cursor Up
KC_MS_DOWN	KC_MS_D	Mouse Cursor Down
KC_MS_LEFT	KC_MS_L	Mouse Cursor Left
KC_MS_RIGHT	KC_MS_R	Mouse Cursor Right
KC_MS_BTN1	KC_BTN1	Mouse Button 1
KC_MS_BTN2	KC_BTN2	Mouse Button 2
KC_MS_BTN3	KC_BTN3	Mouse Button 3
KC_MS_BTN4	KC_BTN4	Mouse Button 4
KC_MS_BTN5	KC_BTN5	Mouse Button 5
KC_MS_WH_UP	KC_WH_U	Mouse Wheel Up
KC_MS_WH_DOWN	KC_WH_D	Mouse Wheel Down
KC_MS_WH_LEFT	KC_WH_L	Mouse Wheel Left
KC_MS_WH_RIGHT	KC_WH_R	Mouse Wheel Right
KC_MS_ACCEL0	KC_ACL0	Set mouse acceleration to 0
KC_MS_ACCEL1	KC_ACL1	Set mouse acceleration to 1
KC_MS_ACCEL2	KC_ACL2	Set mouse acceleration to 2

Modifiers

See also: [Modifier Keys](#)

Key	Aliases	Description
LCTL(kc)	C(kc)	Hold Left Control and press kc
LSFT(kc)	S(kc)	Hold Left Shift and press kc
LALT(kc)	A(kc), LOPT(kc)	Hold Left Alt and press kc
LGUI(kc)	G(kc), LCMD(kc), LWIN(kc)	Hold Left GUI and press kc
RCTL(kc)		Hold Right Control and press kc
RSFT(kc)		Hold Right Shift and press kc
RALT(kc)	ROPT(kc), ALGR(kc)	Hold Right Alt (AltGr) and press kc
RGUI(kc)	RCMD(kc), LWIN(kc)	Hold Right GUI and press kc
SGUI(kc)	SCMD(kc), SWIN(kc)	Hold Left Shift and GUI and press kc
LCA(kc)		Hold Left Control and Alt and press kc
LSA(kc)		Hold Left Shift and Left Alt and press kc

Key	Aliases	Description
RSA(kc)	SAGR(kc)	Hold Right Shift and Right Alt (AltGr) and press kc
RCS(kc)		Hold Right Control and Right Shift and press kc
LCAG(kc)		Hold Left Control, Alt and GUI and press kc
MEH(kc)		Hold Left Control, Shift and Alt and press kc
HYPR(kc)		Hold Left Control, Shift, Alt and GUI and press kc
KC_MEH		Left Control, Shift and Alt
KC_HYPR		Left Control, Shift, Alt and GUI

Mod-Tap Keys

See also: Mod-Tap

Key	Aliases	Description
MT(mod, kc)		mod when held, kc when tapped
LCTL_T(kc)	CTL_T(kc)	Left Control when held, kc when tapped
LSFT_T(kc)	SFT_T(kc)	Left Shift when held, kc when tapped
LALT_T(kc)	LOPT_T(kc), ALT_T(kc), OPT_T(kc)	Left Alt when held, kc when tapped
LGUI_T(kc)	LCMD_T(kc), LWIN_T(kc), GUI_T(kc), CMD_T(kc), WIN_T(kc)	Left GUI when held, kc when tapped
RCTL_T(kc)		Right Control when held, kc when tapped
RSFT_T(kc)		Right Shift when held, kc when tapped
RALT_T(kc)	ROPT_T(kc), ALGR_T(kc)	Right Alt (AltGr) when held, kc when tapped
RGUI_T(kc)	RCMD_T(kc), RWIN_T(kc)	Right GUI when held, kc when tapped
SGUI_T(kc)	SCMD_T(kc), SWIN_T(kc)	Left Shift and GUI when held, kc when tapped

Key	Aliases	Description
LCA_T(kc)		Left Control and Alt when held, kc when tapped
LSA_T(kc)		Left Shift and Left Alt when held, kc when tapped
RSA_T(kc)	SAGR_T(kc)	Right Shift and Right Alt (AltGr) when held, kc when tapped
RCS_T(kc)		Right Control and Right Shift when held, kc when tapped
LCAG_T(kc)		Left Control, Alt and GUI when held, kc when tapped
RCAG_T(kc)		Right Control, Alt and GUI when held, kc when tapped
C_S_T(kc)		Left Control and Shift when held, kc when tapped
MEH_T(kc)		Left Control, Shift and Alt when held, kc when tapped
HYPR_T(kc)	ALL_T(kc)	Left Control, Shift, Alt and GUI when held, kc when tapped - more info [here](#)

RGB Lighting

See also: [RGB Lighting](#)

Key	Aliases	Description
RGB_TOG		Toggle RGB lighting on or off
RGB_MODE_FORWARD	RGB_MOD	Cycle through modes, reverse direction when Shift is held
RGB_MODE_REVERSE	RGB_RMOD	Cycle through modes in reverse, forward direction when Shift is held
RGB_HUI		Increase hue, decrease hue when Shift is held
RGB_HUD		Decrease hue, increase hue when Shift is held
RGB_SAI		Increase saturation, decrease saturation when Shift is held
RGB_SAD		Decrease saturation, increase saturation when Shift is held

Key	Aliases	Description
RGB_VAI		Increase value (brightness), decrease value when Shift is held
RGB_VAD		Decrease value (brightness), increase value when Shift is held
RGB_MODE_PLAIN	RGB_M_P	Static (no animation) mode
RGB_MODE_BREATHE	RGB_M_B	Breathing animation mode
RGB_MODE_RAINBOW	RGB_M_R	Rainbow animation mode
RGB_MODE_SWIRL	RGB_M_SW	Swirl animation mode
RGB_MODE_SNAKE	RGB_M_SN	Snake animation mode
RGB_MODE_KNIGHT	RGB_M_K	"Knight Rider" animation mode
RGB_MODE_XMAS	RGB_M_X	Christmas animation mode
RGB_MODE_GRADIENT	RGB_M_G	Static gradient animation mode
RGB_MODE_RGBTEST	RGB_M_T	Red,Green,Blue test animation mode

RGB Matrix Lighting

See also: RGB Matrix Lighting

Key	Aliases	Description
RGB_TOG		Toggle RGB lighting on or off
RGB_MODE_FORWARD	RGB_MOD	Cycle through modes, reverse direction when Shift is held
RGB_MODE_REVERSE	RGB_RMOD	Cycle through modes in reverse, forward direction when Shift is held
RGB_HUI		Increase hue, decrease hue when Shift is held
RGB_HUD		Decrease hue, increase hue when Shift is held
RGB_SAI		Increase saturation, decrease saturation when Shift is held
RGB_SAD		Decrease saturation, increase saturation when Shift is held
RGB_VAI		Increase value (brightness), decrease value when Shift is held
RGB_VAD		Decrease value (brightness), increase value when Shift is held

Key	Aliases	Description
RGB_SPI		Increase effect speed (does not support eeprom yet), decrease speed when Shift is held
RGB_SPD		Decrease effect speed (does not support eeprom yet), increase speed when Shift is held

Thermal Printer

See also: Thermal Printer

Key	Description
PRINT_ON	Start printing everything the user types
PRINT_OFF	Stop printing everything the user types

US ANSI Shifted Symbols

See also: US ANSI Shifted Symbols

Key	Aliases	Description
KC_TILDE	KC_TILD	~
KC_EXCLAIM	KC_EXLM	!
KC_AT		@
KC_HASH		#
KC_DOLLAR	KC_DLR	$
KC_PERCENT	KC_PERC	%
KC_CIRCUMFLEX	KC_CIRC	^
KC_AMPERSAND	KC_AMPR	&
KC_ASTERISK	KC_ASTR	*
KC_LEFT_PAREN	KC_LPRN	(
KC_RIGHT_PAREN	KC_RPRN	)
KC_UNDERSCORE	KC_UNDS	_
KC_PLUS		+
KC_LEFT_CURLY_BRACE	KC_LCBR	{
KC_RIGHT_CURLY_BRACE	KC_RCBR	}
KC_PIPE			
KC_COLON	KC_COLN	:

Key	Aliases	Description
KC_DOUBLE_QUOTE	KC_DQUO, KC_DQT	"
KC_LEFT_ANGLE_BRACKET	KC_LABK, KC_LT	<
KC_RIGHT_ANGLE_BRACKET	KC_RABK, KC_GT	>
KC_QUESTION	KC_QUES	?

One Shot Keys

See also: One Shot Keys

Key	Description
OSM(mod)	Hold mod for one keypress
OSL(layer)	Switch to layer for one keypress

Space Cadet

See also: Space Cadet

Key	Description
KC_LCPO	Left Control when held, (when tapped
KC_RCPC	Right Control when held,) when tapped
KC_LSPO	Left Shift when held, (when tapped
KC_RSPC	Right Shift when held,) when tapped
KC_LAPO	Left Alt when held, (when tapped
KC_RAPC	Right Alt when held,) when tapped
KC_SFTENT	Right Shift when held, Enter when tapped

Swap Hands

See also: Swap Hands

Key	Description
SH_T(key)	Sends key with a tap; momentary swap when held.
SW_ON	Turns on swapping and leaves it on.
SW_OFF	Turn off swapping and leaves it off. Good for returning to a known state.
SH_MON	Swaps hands when pressed, returns to normal when released (momentary).

Key	Description
SH_MOFF	Momentarily turns off swap.
SH_TG	Toggles swap on and off with every key press.
SH_TT	Toggles with a tap; momentary when held.
SH_OS	One shot swap hands: toggle while pressed or until next key press.

Unicode Support

See also: Unicode Support

Key	Aliases	Description
UC(c)		Send Unicode code point c
X(i)		Send Unicode code point at index i in unicode_map
XP(i, j)		Send Unicode code point at index i, or j if Shift/Caps is on
UNICODE_MODE_FORWARD	UC_MOD	Cycle through selected input modes
UNICODE_MODE_REVERSE	UC_RMOD	Cycle through selected input modes in reverse
UNICODE_MODE_MAC	UC_M_MA	Switch to macOS input
UNICODE_MODE_LNX	UC_M_LN	Switch to Linux input
UNICODE_MODE_WIN	UC_M_WI	Switch to Windows input
UNICODE_MODE_BSD	UC_M_BS	Switch to BSD input (not implemented)
UNICODE_MODE_WINC	UC_M_WC	Switch to Windows input using WinCompose