

# REAPER keyboard shortcut list

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Note: use Preferences/Editing Behavior/Mouse Modifiers to add or change any of the following mouse key modifiers.

## Mousewheel modifiers

Default action	View: Zoom horizontally
Cmd	View: Zoom vertically
Opt	View: Scroll horizontally
Cmd+Opt	View: Scroll vertically
Shift	Adjust solo in front dim
Cmd+Shift	View: Adjust selected track heights

## Mouse: Media item left click

Default action	Select item
Shift	Add a range of items to selection, if already selected extend time selection
Cmd	Toggle item selection
Shift+Cmd	Select item and move edit cursor ignoring snap
Opt	Select item ignoring grouping
Cmd+Opt	Add stretch marker

## Mouse: Media item left drag

Default action	Move item
Shift	Move item ignoring snap and time selection
Cmd	Copy item
Shift+Cmd	Copy item ignoring snap
Opt	Move item contents ignoring selection/grouping
Shift+Opt	Adjust take pitch (fine)

## Mouse: Media item double click

Default action	Set time selection to item
Shift	Open media item in external editor
Cmd	Show take list
Opt	Open media item in external editor
Cmd+Opt	Show take props list

## Mouse: Media item edge left drag

Default action	Move edge (relative edge edit)
Shift	Move edge ignoring snap (relative edge edit)
Cmd	Move edge ignoring selection/grouping
Shift+Cmd	Move edge ignoring snap and selection/grouping

Opt	Stretch item (relative edge edit)
Shift+Opt	Stretch item ignoring snap (relative edge edit)
Cmd+Opt	Stretch item ignoring selection/grouping
Shift+Cmd+Opt	Stretch item ignoring snap and selection/grouping

### **Mouse: Media item fade/autocrossfade left click**

Cmd	Set fade/crossfade to next shape
Shift+Cmd	Set fade/crossfade to previous shape
Opt	Delete fade/crossfade

### **Mouse: Media item fade/autocrossfade left drag**

Default action	Move fade ignoring snap
Shift	Move crossfade ignoring snap
Cmd	Move fade ignoring snap and selection/grouping
Shift+Cmd	Move crossfade ignoring snap and selection/grouping
Opt	Move fade and stretch crossfaded items ignoring snap
Shift+Opt	Move crossfade and stretch items ignoring snap
Cmd+Opt	Move fade ignoring snap (relative edge edit)
Shift+Cmd+Opt	Move crossfade and stretch items ignoring snap and selection/grouping

### **Mouse: Media item fade/autocrossfade double click**

Default action	Open crossfade editor
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### **Mouse: Media item fade intersection left click**

Cmd	Set both fades to next shape
Shift+Cmd	Set both fades to previous shape

### **Mouse: Media item fade intersection left drag**

Default action	Adjust both fade curves horizontally
Shift	Move both fades ignoring snap
Cmd	Adjust length of both fades preserving intersection ignoring snap
Shift+Cmd	Move both fades ignoring snap and selection/grouping
Opt	Adjust both fade curves horizontally and vertically
Shift+Opt	Move both fades and stretch items ignoring snap
Shift+Cmd+Opt	Move both fades and stretch items ignoring snap and selection/grouping

### **Mouse: Media item fade intersection double click**

Default action	Open crossfade editor
Opt	Reset to default crossfade

### **Mouse: Media item stretch marker left drag**

Default action	Move stretch marker
Shift	Move stretch marker ignoring snap

Cmd	Move stretch marker ignoring selection/grouping
Shift+Cmd	Move stretch marker ignoring snap and selection/grouping
Opt	Move contents under stretch marker
Shift+Opt	Move stretch marker pair
Cmd+Opt	Move contents under stretch marker ignoring selection/grouping
Shift+Cmd+Opt	Move stretch marker pair ignoring snap

### **Mouse: Media item stretch marker double click**

Default action	Reset stretch marker rate to 1.0
Cmd	Edit stretch marker rate

### **Mouse: Media item stretch marker rate left drag**

Default action	Edit stretch marker rate, ripple markers
Shift	Edit stretch marker rate
Cmd	Edit stretch marker rate preserving marker positions (rate envelope mode)
Shift+Cmd	Edit stretch marker rate, move contents under marker, ripple markers
Opt	Edit stretch marker rates on both sides, ripple markers
Shift+Opt	Edit stretch marker rates on both sides
Cmd+Opt	Edit stretch marker rates on both sides preserving marker positions (rate envelope mode)
Shift+Cmd+Opt	Edit stretch marker rates on both sides, move contents under marker, ripple markers

### **Mouse: Envelope lane left click**

Default action	Deselect all envelope points and move edit cursor
Opt	Deselect all envelope points

### **Mouse: Envelope point left drag**

Default action	Move envelope point
Shift	Freehand draw envelope
Cmd	Delete envelope point
Opt	Copy envelope point

### **Mouse: Envelope point double click**

Default action	Reset point to default value
Cmd	Open envelope point editor

### **Mouse: Envelope segment left drag**

Default action	Move envelope segment ignoring time selection
Shift	Insert envelope point, drag to move
Cmd	Freehand draw envelope
Shift+Cmd	Move envelope segment
Opt	Edit envelope segment curvature

Shift+Opt	Move envelope segment preserving edge points
Cmd+Opt	Move envelope segment (fine)

### **Mouse: Envelope segment double click**

Default action	Add envelope point
Opt	Reset envelope segment curvature

### **Mouse: Track left click**

Default action	Deselect all items
Shift	Clear time selection
Opt	Extend time selection

### **Mouse: Track left drag**

Default action	Marquee select items
Shift	Move time selection
Opt	Marquee add to item selection

### **Mouse: Track double click**

Default action	Insert new MIDI item...
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### **Mouse: Track control panel double click**

Default action	Select all media items on track
Shift	Add all media items on track to selection
Cmd	Toggle selection for all media items on track

### **Mouse: Mixer control panel double click**

Default action	Select all media items on track
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### **Mouse: Envelope control panel double click**

Default action	Select/unselect all envelope points
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### **Mouse: Ruler left click**

Default action	Move edit cursor
Shift	Extend loop points
Cmd	Move edit cursor ignoring snap
Shift+Cmd	Extend loop points ignoring snap
Opt	Seek playback without moving edit cursor
Cmd+Opt	Clear loop points

### **Mouse: Ruler left drag**

Default action	Edit loop point
Shift	Move loop points

Cmd	Edit loop point ignoring snap
Shift+Cmd	Move loop points ignoring snap
Opt	Edit loop point and time selection together
Shift+Opt	Move loop points and time selection together
Cmd+Opt	Edit loop point and time selection together ignoring snap
Shift+Cmd+Opt	Move loop points and time selection together ignoring snap

### **Mouse: Ruler double click**

Default action	Set time selection to region
Cmd	Set loop points to region
Opt	Set loop points and time selection to region

### **Mouse: Ruler marker/region lanes left drag**

Default action	Hand scroll
Cmd	Hand scroll and horizontal zoom

### **Mouse: Arrange view right drag**

Default action	Marquee select items and time ignoring snap
Opt	Select time ignoring snap
Cmd+Opt	Marquee zoom

### **Mouse: Arrange view middle click**

Default action	Move edit cursor ignoring snap
Cmd	Restore previous zoom level

### **Mouse: Arrange view middle drag**

Default action	Jog audio
Shift	Hand scroll
Cmd	Scrub audio
Opt	Jog audio (looped-segment mode)
Shift+Opt	Move edit cursor without scrub/jog
Cmd+Opt	Scrub audio (looped-segment mode)

### **Mouse: Edit cursor handle left drag**

Default action	Jog audio
Cmd	Scrub audio
Opt	Jog audio (looped-segment mode)
Cmd+Opt	Scrub audio (looped-segment mode)

### **Mouse: MIDI note left click**

Default action	Select note
Shift	Add note to selection

Cmd	Toggle note selection
Shift+Cmd	Select note and move edit cursor ignoring snap
Opt	Select note and move edit cursor
Shift+Opt	Select all notes in measure
Cmd+Opt	Select note and all later notes

### **Mouse: MIDI note left drag**

Default action	Move note
Shift	Move note ignoring snap
Shift+Cmd	Move note on one axis only
Opt	Copy note
Cmd+Opt	Move note vertically
Shift+Cmd+Opt	Move note vertically ignoring scale/key

### **Mouse: MIDI note double click**

Default action	File: Quit REAPER
Shift	Activate MIDI item (when clicking a note that is not in the active item)

### **Mouse: MIDI note edge left drag**

Default action	Move note edge
Shift	Move note edge ignoring snap
Cmd	Move note edge ignoring selection
Shift+Cmd	Move note edge ignoring snap and selection
Opt	Stretch notes
Shift+Opt	Stretch notes ignoring snap

### **Mouse: MIDI CC event left click/drag**

Default action	Move CC event on one axis only
Shift	Move CC event on one axis only ignoring snap
Cmd	Erase CC event
Shift+Cmd	Copy CC event ignoring snap
Opt	Copy CC event

### **Mouse: MIDI CC event double click**

Default action	Insert CC event
Shift	Insert CC event ignoring snap

### **Mouse: MIDI CC lane left drag**

Default action	Draw/edit CC events ignoring selection
Shift	Erase CC events
Cmd	Linear ramp CC events ignoring selection
Opt	Edit CC events ignoring selection

## **Mouse: MIDI CC lane double click**

Default action	Insert CC event
Shift	Insert CC event ignoring snap

## **Mouse: MIDI source loop end marker left drag**

Default action	Edit MIDI source loop length
Shift	Edit MIDI source loop length ignoring snap
Opt	Stretch MIDI source loop length
Shift+Opt	Stretch MIDI source loop length ignoring snap

## **Mouse: MIDI ruler left click**

Default action	Move edit cursor
Shift	Select notes or CC in time selection
Cmd	Move edit cursor ignoring snap
Opt	Clear loop or time selection

## **Mouse: MIDI ruler left drag**

Default action	Edit loop point (ruler) or time selection (piano roll)
Shift	Move loop points (ruler) or time selection (piano roll)
Cmd	Edit loop point (ruler) or time selection (piano roll) ignoring snap
Shift+Cmd	Move loop points (ruler) or time selection (piano roll) ignoring snap
Opt	Edit loop point and time selection together
Shift+Opt	Move loop points and time selection together
Cmd+Opt	Edit loop point and time selection together ignoring snap
Shift+Cmd+Opt	Move loop points and time selection together ignoring snap

## **Mouse: MIDI ruler double click**

Default action	Zoom to selected notes/CC, or to project loop selection
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## **Mouse: MIDI marker/region lanes left drag**

Default action	Hand scroll
Cmd	Hand scroll and horizontal zoom

## **Mouse: MIDI piano roll left click**

Default action	Deselect all notes and move edit cursor
Cmd	Deselect all notes and move edit cursor ignoring snap
Opt	Deselect all notes
Shift+Opt	Insert note ignoring snap
Shift+Cmd+Opt	Insert note

## **Mouse: MIDI piano roll left drag**

Default action	Marquee select notes
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Shift	Marquee add to note selection
Cmd	Marquee select notes and time
Opt	Select time
Shift+Opt	Paint notes ignoring snap

## Mouse: MIDI piano roll double click

Default action	Insert note
Shift	Insert note ignoring snap

## Mouse: MIDI editor right drag

Default action	Marquee select notes/CC
Cmd+Opt	Select notes touched while dragging

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Note: use the Action List to add or change any of the following action shortcuts.

## Section: Main

Key	Action
1	
Shift+Page Up	
F2	Action: Repeat the most recent action
Shift+Mousewheel	Adjust solo in front dim (MIDI CC/mousewheel only)
MIDI Chan 1 CC 7	Adjust track FX parameter 01 (MIDI CC/OSC only)
MIDI Chan 1 CC 1	Adjust track FX parameter 02 (MIDI CC/OSC only)
MIDI Chan 1 CC 2	Adjust track FX parameter 03 (MIDI CC/OSC only)
MIDI Chan 1 CC 8	Adjust track FX parameter 04 (MIDI CC/OSC only)
Opt+Shift+C	Create measure from time selection (detect tempo)
Cmd+NumPad -	Custom: Decrease selected track heights X 7
Cmd+Opt+Right	Custom: Fast forward X 3
Cmd+NumPad 3	Custom: Fast forward X 3
Cmd+NumPad 6	Custom: Go to next track X 10
Cmd+NumPad 4	Custom: Go to previous track X 10
Cmd+NumPad +	Custom: Increase selected track height X 7
Shift+Space	Custom: Instant play
Cmd+Opt+Left	Custom: Rewind X 3
Cmd+NumPad 1	Custom: Rewind X 3
"	Custom: TEMPO MAP
Shift+Left	Custom: Track: Nudge track pan left x10
Shift+Right	Custom: Track: Nudge track pan right x10
â	Docker: Activate next tab
Shift+â	Docker: Activate previous tab
Cmd+C	Edit: Copy items/tracks/envelope points (depending on focus) ignoring time selection

Cmd+Shift+C	Edit: Copy items/tracks/envelope points (depending on focus) within time selection, if any (smart copy)
Cmd+X	Edit: Cut items/tracks/envelope points (depending on focus) ignoring time selection
Cmd+Shift+Z	Edit: Redo
Cmd+Z	Edit: Undo
Opt+E	FX: Show/hide track envelope for last touched FX parameter
NumPad Enter	File: Project settings...
Cmd+Opt+B	File: Save live output to disk (bounce)...
Cmd+S	File: Save project
Shift+C	Insert time signature/tempo change marker at edit cursor
NumPad 2	Item edit: Move items/envelope points down one track/a bit
NumPad 8	Item edit: Move items/envelope points up one track/a bit
N	Item edit: Toggle open/close nudge/set dialog
G	Item grouping: Group items
U	Item grouping: Remove items from group
Cmd+G	Item grouping: Select all items in groups
Tab	Item navigation: Move cursor to next transient in items
Shift+Tab	Item navigation: Move cursor to previous transient in items
Shift+3	Item properties: Decrease item rate by ~0.6% (10 cents), clear 'preserve pitch'
Shift+5	Item properties: Decrease item rate by ~6% (one semitone), clear 'preserve pitch'
Shift+4	Item properties: Increase item rate by ~0.6% (10 cents), clear 'preserve pitch'
Shift+6	Item properties: Increase item rate by ~6% (one semitone), clear 'preserve pitch'
Cmd+Shift+N	Item properties: Normalize items
Shift+N	Item properties: Normalize multiple items to common gain
Cmd+Opt+Shift+Down	Item properties: Pitch item down one cent
Cmd+Opt+Down	Item properties: Pitch item down one semitone
Cmd+Opt+Shift+Up	Item properties: Pitch item up one cent
Cmd+Opt+Up	Item properties: Pitch item up one semitone
Opt+Shift+L	Item properties: Set take channel mode to mono (left)
Opt+Shift+R	Item properties: Set take channel mode to mono (right)
F6	Item properties: Show media item source properties
F5	Item properties: Show media item/take properties
Opt+M	Item properties: Toggle items/tracks mute (depending on focus)
Shift+W	Item: Add stretch marker at cursor
Opt+X	Item: Add stretch marker at mouse position
Cmd+Opt+L	Item: Copy loop of selected area of audio items
Cmd+Backspace	Item: Cut selected area of items
Cmd+Delete	Item: Cut selected area of items
Cmd+D	Item: Duplicate items
Cmd+Q	Item: Heal splits in items
Shift+V	Item: Insert time on tracks and paste items
E	Item: Open item inline editors

Cmd+Opt+E	Item: Open items in primary external editor
Cmd+V	Item: Paste items/tracks
Shift+D	Item: Remove all empty take lanes
Shift+E	Item: Show FX chain for item take
Z	Item: Split item under mouse cursor (select left)
Opt+S	Item: Split items at play cursor
Opt+Shift+S	Item: Split items at time selection
Opt+Z	Item: remove stretch marker at current position
Opt+NumPad 3	Markers: Go to next marker/project end
Opt+NumPad 1	Markers: Go to previous marker/project start
Shift+M	Markers: Insert and/or edit marker at current position
Ü	Master track: Toggle stereo/mono (L+R)
Cmd+NumPad 5	Menu: Customize...
Cmd+H	Minimize REAPER
Shift+End	Mixer: Toggle master track visible
Insert	Mixer: Toggle show FX inserts if space available
Page Up	Mixer: Toggle show FX parameters if space available
Page Down	Mixer: Toggle show sends if space available
Opt+F	Mixer: Toggle show tracks in folders in Mixer
Shift+Z	Move edit cursor to next zero crossing in items
Opt+NumPad 5	Options: Preferences...
Cmd+L	Options: Show all takes in lanes (when room)
Shift+A	Options: Show snap/grid settings
Opt+A	Options: Toggle grid lines
Opt+Shift+G	Options: Toggle item grouping override
Cmd+Opt+A	Options: Toggle snapping
Cmd+Down	Peaks: Decrease peaks view gain
Cmd+Up	Peaks: Increase peaks view gain
Delete	Remove items/tracks/envelope points (depending on focus)
Backspace	Remove items/tracks/envelope points (depending on focus)
D	SWS/BR: Delete take under mouse cursor
C	SWS/BR: Open/close contextual toolbar under mouse cursor, preset 1
Cmd+Opt+C	SWS/BR: Open/close contextual toolbar under mouse cursor, preset 4
Cmd+NumPad 8	SWS/S&M: Close all floating FX windows
Cmd+Opt+NumPad +	SWS/S&M: Close all floating FX windows for selected tracks
Cmd+Opt+NumPad -	SWS/S&M: Float next FX (and close others) for selected tracks
Cmd+NumPad 9	SWS/S&M: Float next FX (and close others) for selected tracks
Cmd+NumPad 7	SWS/S&M: Float previous FX (and close others) for selected tracks
X	SWS/S&M: Toggle show FX chain windows for selected tracks
H	SWS: Hide selected track(s)
Opt+C	SWS: Open console
NumPad *	SWS: Open snapshots window
A	SWS: Show all tracks

F7	Screenset: Load track view #01
F8	Screenset: Load track view #02
F9	Screenset: Load window set #01
F10	Screenset: Load window set #02
F11	Screenset: Load window set #03
F12	Screenset: Load window set #04
Shift+F7	Screenset: Save track view #01
Shift+F8	Screenset: Save track view #02
Shift+F9	Screenset: Save window set #01
Shift+F10	Screenset: Save window set #02
Shift+F11	Screenset: Save window set #03
Shift+F12	Screenset: Save window set #04
Opt+G	Script: Item - Glue items, including leading fade-in and trailing fade-out (preserve stuff).lua
Cmd+A	Select all items/tracks/envelope points (depending on focus)
F3	Send all notes off to all MIDI outputs/plugin-ins
NumPad 5	Show action list
Opt+Shift+T	Take: Crop to active take in items
I	Take: Implode items across tracks into takes
Opt+NumPad 2	Take: Switch items to next take
Opt+NumPad 8	Take: Switch items to previous take
Cmd+<	Time selection: Nudge left edge left
Cmd+>	Time selection: Nudge left edge right
Cmd+Opt+<	Time selection: Nudge right edge left
Cmd+Opt+>	Time selection: Nudge right edge right
ESC	Time selection: Remove time selection and loop points
<	Time selection: Shift left (by time selection length)
>	Time selection: Shift right (by time selection length)
Cmd+F11	Toggle fullscreen
F1	Toggle fullscreen
Cmd+NumPad 2	Track: Cycle folder collapsed state
Cmd+Opt+D	Track: Duplicate tracks
Opt+Shift+D	Track: Duplicate tracks
NumPad 6	Track: Go to next track
NumPad 4	Track: Go to previous track
NumPad 0	Track: Insert new track
M	Track: Mute/unmute tracks
Left	Track: Nudge track pan left
Right	Track: Nudge track pan right
Shift+Down	Track: Nudge track volume down
Shift+NumPad +	Track: Nudge track volume down
Shift+NumPad -	Track: Nudge track volume up
Shift+Up	Track: Nudge track volume up

NumPad 7	Track: Select track 01
NumPad 9	Track: Select track 99
Shift+G	Track: Set track grouping parameters
Shift+Q	Track: Set/clear all tracks automatic record-arm
S	Track: Solo/unsolo tracks
Shift+Delete	Track: Toggle FX bypass for master track
Shift+Insert	Track: Toggle FX bypass for selected tracks
Opt+Shift+X	Track: Toggle FX bypass on all tracks
L	Track: Toggle lock/unlock track controls
Q	Track: Toggle record arming for current (last touched) track
P	Track: Toggle track pan envelope visible
V	Track: Toggle track volume envelope visible
Cmd+U	Track: Unfreeze tracks (restore previously saved items and FX)
Shift+Page Down	Track: View I/O for current track
Cmd+Opt+Shift+T	Transient detection sensitivity/threshold: adjust...
NumPad 3	Transport: Fast forward a little bit
Cmd+Right	Transport: Fast forward a little bit
End	Transport: Go to end of project
Home	Transport: Go to start of project
Opt+Space	Transport: Play (skip time selection)
Cmd+Space	Transport: Play/pause
Space	Transport: Play/stop
Cmd+R	Transport: Record
NumPad 1	Transport: Rewind a little bit
Cmd+Left	Transport: Rewind a little bit
	Transport: Scrub/jog (MIDI CC relative/absolute only)
	Transport: Scrub/jog fine control (MIDI CC relative only)
R	Transport: Toggle repeat
MultiZoom	View: Adjust horizontal zoom (MIDI CC/OSC only)
Cmd+Shift+Mousewheel	View: Adjust selected track heights (MIDI CC relative/mousewheel)
Opt+NumPad -	View: Decrease selected track heights
Shift+1	View: Expand selected track height, minimize others
!	View: Expand selected track height, minimize others
3	View: Go to cursor
Opt+NumPad +	View: Increase selected track heights
Cmd+J	View: Jump to time window
Cmd+Shift+Left	View: Move cursor left to grid division
Cmd+Shift+Right	View: Move cursor right to grid division
Opt+Mousewheel	View: Scroll horizontally (MIDI CC relative/mousewheel)
HorizWheel	View: Scroll horizontally (MIDI CC relative/mousewheel)
Shift+HorizWheel	View: Scroll horizontally (MIDI CC relative/mousewheel)
Cmd+Opt+Mousewheel	View: Scroll vertically (MIDI CC relative/mousewheel)
MultiHorz	View: Scroll view horizontally one page reversed (MIDI CC relative/mousewheel)

MultiVert	View: Scroll view vertically one page (MIDI CC relative/mousewheel)
Opt+D	View: Show Docker
Shift+X	View: Show FX browser window
Opt+K	View: Show Virtual MIDI keyboard
Cmd+Opt+V	View: Show navigator window
Cmd+P	View: Show performance meter window
F4	View: Show performance meter window
Cmd+NumPad 0	View: Show project bay window
B	View: Show project bay window
Opt+R	View: Show routing matrix window
Cmd+Opt+G	View: Show track grouping matrix window
Opt+NumPad 0	View: Show track manager window
Shift+Home	View: Toggle Mixer visible
Cmd+Opt+M	View: Toggle master track visible
2	View: Toggle track zoom to minimum height
NumPad .	View: Toggle transport visible
4	View: Toggle zoom to selected items
Mousewheel	View: Zoom horizontally (MIDI CC relative/mousewheel)
Opt+HorizWheel	View: Zoom horizontally (MIDI CC relative/mousewheel)
NumPad +	View: Zoom in vertical
NumPad -	View: Zoom out vertical
Cmd+Mousewheel	View: Zoom vertically (MIDI CC relative/mousewheel)
Down	Xenakios/SWS: Nudge volume of selected tracks down
Up	Xenakios/SWS: Nudge volume of selected tracks up
Shift+F	Xenakios/SWS: Rename takes and source files...
Shift+T	Xenakios/SWS: Rename takes...
Opt+NumPad 6	Xenakios/SWS: Select next tracks, keeping current selection
Opt+NumPad 4	Xenakios/SWS: Select previous tracks, keeping current selection

## Section: Main (alt recording)

Key	Action
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## Section: Media Explorer

Key	Action
Left	Preview: Stop
Backspace	Browser: Go to parent folder
Down	Browser: Select next file in directory
Up	Browser: Select previous file in directory
Cmd+Space	Preview: Play/pause

?	Show action list
F5	Browser: Refresh
Cmd+A	Browser: Select all media files
Space	Preview: Play/stop
Right	Preview: Play
Return	Browser: Browse selected folder, or insert selected media file
Home	Preview: Rewind to start

## Section: MIDI Editor

Key	Action
R	Transport: Toggle repeat
Cmd+C	Edit: Copy
~	Channel: Show all channels
Cmd+S	File: Save file (MIDI file mode only)
Opt+M	Edit: Mute events (toggle)
Shift+3	Channel: Show only channel 03
Opt+S	View: Toggle snap to grid
Opt+G	View: Toggle grid
Cmd+Opt+Mousewheel	View: Scroll vertically (MIDI relative/mousewheel)
Cmd+W	File: Close window
Mousewheel	View: Zoom horizontally (MIDI relative/mousewheel)
Opt+HorizWheel	View: Zoom horizontally (MIDI relative/mousewheel)
Cmd+Mousewheel	View: Zoom vertically (MIDI relative/mousewheel)
Opt+Shift+Up	Edit: Increase pitch cursor one octave
Opt+Shift+Down	Edit: Decrease pitch cursor one octave
Cmd+Shift+V	Edit: Paste preserving position in measure
Cmd+Shift+D	Edit: Duplicate events within time selection, if any (smart duplicate)
Cmd+Opt+NumPad 4	Edit: Move edit cursor left one pixel
Shift+Left	Edit: Move edit cursor left one pixel
Cmd+F2	Edit: Event properties
Cmd+Space	Transport: Play/pause
Cmd+D	Edit: Duplicate events
Cmd+Z	Edit: Undo
Shift+8	Channel: Show only channel 08
Shift+9	Channel: Show only channel 09
Shift+0	Channel: Show only channel 10
Opt+Shift+N	Activate previous visible MIDI item
Opt+Mousewheel	View: Scroll horizontally (MIDI relative/mousewheel)
HorizWheel	View: Scroll horizontally (MIDI relative/mousewheel)
Cmd+Down	Edit: Move notes down one semitone
NumPad 2	Edit: Move notes down one semitone

Opt+NumPad 8	Edit: Move notes up one octave
Opt+NumPad 2	Edit: Move notes down one octave
NumPad 8	Edit: Move notes up one semitone
Cmd+Up	Edit: Move notes up one semitone
Cmd+V	Edit: Paste
Q	Quantize...
Cmd+Shift+Left	Edit: Move notes left one pixel
Opt+NumPad 4	Edit: Move notes left one pixel
NumPad 4	Edit: Move notes left one grid unit
Cmd+Left	Edit: Move notes left one grid unit
Cmd+Shift+Z	Edit: Redo
Cmd+A	Edit: Select all events
Opt+NumPad 6	Edit: Move notes right one pixel
Cmd+Shift+Right	Edit: Move notes right one pixel
Cmd+Shift+C	Edit: Copy events within time selection, if any (smart copy)
Cmd+Shift+X	Edit: Cut events within time selection, if any (smart cut)
T	Transpose notes...
Cmd+X	Edit: Cut
Cmd+Opt+NumPad 6	Edit: Move edit cursor right one pixel
Shift+Right	Edit: Move edit cursor right one pixel
Shift+6	Channel: Show only channel 06
Shift+5	Channel: Show only channel 05
?	Show action list
Shift+4	Channel: Show only channel 04
Space	Transport: Play/stop
Shift+Mousewheel	Edit: Adjust value for events (mousewheel/MIDI controller only)
F3	Send all notes off to all MIDI outputs/plug-ins
Cmd+NumPad 4	Edit: Move edit cursor left by grid
Left	Edit: Move edit cursor left by grid
Cmd+NumPad 6	Edit: Move edit cursor right by grid
Right	Edit: Move edit cursor right by grid
Cmd+Right	Edit: Move notes right one grid unit
NumPad 6	Edit: Move notes right one grid unit
Opt+6	View: Show events as triangles (drum mode)
Opt+5	View: Show events as rectangles (normal mode)
Opt+7	View: Show events as diamonds (drum mode)
J	Edit: Join notes
H	Humanize notes...
ESC	Misc: Close window if not docked, otherwise pass to main window
Cmd+Opt+2	Double length of MIDI (repeating contents)
Shift+7	Channel: Show only channel 07
Shift+Up	Edit: Increase pitch cursor one semitone
Cmd+NumPad 8	Edit: Increase pitch cursor one semitone

Opt+9	View: Toggle show velocity handles on notes
End	View: Go to end of file
Insert	Edit: Insert note at mouse cursor
Opt+4	Mode: Notation
Cmd+Opt+Shift+Up	Edit: Move notes up one semitone ignoring scale/key
Cmd+Opt+NumPad 8	Edit: Move notes up one semitone ignoring scale/key
Cmd+Opt+NumPad 2	Edit: Move notes down one semitone ignoring scale/key
Cmd+Opt+Shift+Down	Edit: Move notes down one semitone ignoring scale/key
Opt+N	Activate next visible MIDI item
Cmd+I	Invert selection
Shift+I	Edit: Insert note at edit cursor
I	Edit: Insert note at edit cursor
Cmd+NumPad 5	Edit: Insert note at edit cursor
Cmd+NumPad 2	Edit: Decrease pitch cursor one semitone
Shift+Down	Edit: Decrease pitch cursor one semitone
Shift+S	Edit: Split notes at mouse cursor
Shift+2	Channel: Show only channel 02
Shift+1	Channel: Show only channel 01
Opt+2	Mode: Drum Map
Opt+1	Mode: Piano Roll
Opt+R	File: Revert file (MIDI file mode only)
S	Edit: Split notes
Opt+0	View: Toggle show note names
Opt+3	Mode: Event List
Delete	Edit: Delete events
Backspace	Edit: Delete events
Shift+HorizWheel	Edit: Move events left/right (mousewheel/MIDI relative only)
"	View: Go to edit cursor
'	View: Go to play cursor
F	Filter: Show/hide filter window...
Opt+Down	View: Scroll view down
Opt+Left	View: Scroll view left
Opt+Right	View: Scroll view right
Opt+Up	View: Scroll view up
W	View: Go to start of file
Home	View: Go to start of file
NumPad +	View: Zoom in horizontally
+	View: Zoom in horizontally
=	View: Zoom in horizontally
Up	View: Zoom in horizontally
Cmd+Shift+Up	View: Zoom in vertically
Page Up	View: Zoom in vertically
NumPad -	View: Zoom out horizontally
Down	View: Zoom out horizontally

-	View: Zoom out horizontally
Cmd+Shift+Down	View: Zoom out vertically
Page Down	View: Zoom out vertically

## Section: MIDI Event List Editor

Key	Action
Cmd+C	Edit: Copy
Cmd+W	File: Close window
Cmd+S	File: Save file (MIDI file mode only)
R	Transport: Toggle repeat
Opt+M	Edit: Mute events (toggle)
Cmd+Shift+V	Edit: Paste preserving position in measure
Cmd+F2	Edit: Event properties
Cmd+Space	Transport: Play/pause
Cmd+Z	Edit: Undo
NumPad 2	Edit: Move notes down one semitone
Cmd+Down	Edit: Move notes down one semitone
Opt+NumPad 8	Edit: Move notes up one octave
Opt+NumPad 2	Edit: Move notes down one octave
NumPad 8	Edit: Move notes up one semitone
Cmd+Up	Edit: Move notes up one semitone
Cmd+V	Edit: Paste
Q	Quantize...
Cmd+Shift+Z	Edit: Redo
Cmd+A	Edit: Select all events
Cmd+X	Edit: Cut
?	Show action list
Space	Transport: Play/stop
Shift+Mousewheel	Edit: Adjust value for events (mousewheel/MIDI controller only)
F3	Send all notes off to all MIDI outputs/plugin-ins
H	Humanize notes...
ESC	Misc: Close window if not docked, otherwise pass to main window
End	View: Go to end of file
Insert	
Opt+4	Mode: Notation
Cmd+I	Invert selection
Cmd+NumPad 5	Edit: Insert note at edit cursor
I	Edit: Insert note at edit cursor
Opt+2	Mode: Drum Map
Opt+1	Mode: Piano Roll
Opt+R	File: Revert file (MIDI file mode only)

Opt+3	Mode: Event List
Backspace	Edit: Delete events
Delete	Edit: Delete events
Shift+HorizWheel	Edit: Move events left/right (mousewheel/MIDI relative only)

## Section: MIDI Inline Editor

Key	Action
E	Close inline editor
Cmd+C	Edit: Copy
Opt+M	Edit: Mute events (toggle)
Opt+Shift+Up	Edit: Move pitch cursor up one octave
Opt+Shift+Down	Edit: Move pitch cursor down one octave
Cmd+Shift+V	Edit: Paste preserving position in measure
Cmd+D	
Shift+Left	
Cmd+Opt+NumPad 4	
Cmd+F2	Edit: Note properties
NumPad 2	Edit: Move notes down one semitone
Cmd+Down	Edit: Move notes down one semitone
Opt+NumPad 8	Edit: Move notes up one octave
Opt+NumPad 2	Edit: Move notes down one octave
NumPad 8	Edit: Move notes up one semitone
Cmd+Up	Edit: Move notes up one semitone
Cmd+V	Edit: Paste
Q	Quantize...
Opt+NumPad 4	Edit: Move notes left one pixel
Cmd+Shift+Left	Edit: Move notes left one pixel
NumPad 4	Edit: Move notes left one grid unit
Cmd+Left	Edit: Move notes left one grid unit
Cmd+A	Edit: Select all events
Cmd+Shift+Right	Edit: Move notes right one pixel
Opt+NumPad 6	Edit: Move notes right one pixel
Cmd+X	Edit: Cut
Cmd+Opt+NumPad 6	
Shift+Right	
Left	
Cmd+NumPad 4	
Right	
Cmd+NumPad 6	
NumPad 6	Edit: Move notes right one grid unit
Cmd+Right	Edit: Move notes right one grid unit

Opt+6	View: Show events as triangles (drum mode)
Opt+5	View: Show events as rectangles (normal mode)
Opt+7	View: Show events as diamonds (drum mode)
J	Edit: Join notes
H	
Cmd+Opt+2	Double length of MIDI (repeating contents)
Shift+Up	Edit: Move pitch cursor up one semitone
Cmd+NumPad 8	Edit: Move pitch cursor up one semitone
Opt+9	View: Toggle show velocity handles on notes
Insert	Edit: Insert note at mouse cursor
Cmd+Opt+Shift+Up	Edit: Move notes up one semitone ignoring scale/key
Cmd+Opt+NumPad 8	Edit: Move notes up one semitone ignoring scale/key
Cmd+Opt+Shift+Down	Edit: Move notes down one semitone ignoring scale/key
Cmd+Opt+NumPad 2	Edit: Move notes down one semitone ignoring scale/key
Cmd+I	
Shift+I	Edit: Insert note at edit cursor
I	Edit: Insert note at edit cursor
Cmd+NumPad 5	Edit: Insert note at edit cursor
Shift+Down	Edit: Move pitch cursor down one semitone
Cmd+NumPad 2	Edit: Move pitch cursor down one semitone
Shift+S	Edit: Split notes at mouse cursor
S	Edit: Split notes
Opt+0	View: Toggle show note names
Backspace	Edit: Delete events
Delete	Edit: Delete events
Opt+Down	View: Scroll view down
Opt+Up	View: Scroll view up
Page Up	View: Zoom in vertically
Cmd+Shift+Up	View: Zoom in vertically
Page Down	View: Zoom out vertically
Cmd+Shift+Down	View: Zoom out vertically

## Section: S&M Extension

Key	Action
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