

# Reaper

# D400

D400<sup>™</sup> D400<sup>₽</sup>

# Reaper

This guide shows you how to set up the D400 in Reaper. All pictures provided were taken with Reaper 4.78 but it is also applicable to most other Reaper versions.

All files mentioned in this guide can be found on the USB drive, in the Asparion Configurator installation folder or on our website.

If you are having trouble with anything in this guide, please contact us via our website <u>www.asparion.de/contact</u> and we'll immediately help you.

#### Step 1:

- Select the Reaper preset How to select a preset is described in the main manual.

#### Step 2:

- Open Reaper
- Click on Options->Preferences...



## Step 3:

- Go to Control Surfaces
- Click Add

<b></b>	REAPER Preferences	<
Loop Recording Rendering Appearance Media Peaks/Waveforms Fades/Crossfades Track Control Panels Theme Editor Editing Behavior Envelope Display Automation Mouse Mouse Modifiers MIDI Editor Media MIDI Video/REX/Misc Plug-ins Compatibility VST	Control surfaces	
ReWire/DX ReaScript	Warn when errors opening surface MIDI devices	
ReaMote	Close control surface devices when stopped and not active application	
Control Surfaces	<b>v</b>	
Find	OK Cancel Apply	

### Step 4:

- Select Mackie Control Universal from the list
- Select **D400** as shown below

0	REAPER Preferences	Ŧ	×
Loop Recording Rendering Appearance	Control surface Settings		
Peaks/Waveform Fades/Crossfades Track Control Par Theme Editor	Control surface mode: Mackie Control Universal  MIDI input: D 400		
Editing Behavior Envelope Display Automation Mouse Mouse Modifiers MIDI Editor Media MIDI Video/REX/Misc	MIDI output: D 400  Surface offset (tracks): Size tweak: 9 (leave at 9 unless you know what you're doing) Ignore fader moves when fader is not being touched Map F1-F8 to go to markers		
Plug-ins Compatibility VST ReWire/DX ReaScript ReaMote Control Surfaces	OK Cancel	plied immediate	(v)
Find	ОК	Cancel App	oly

#### Step 5: (optional)

#### To use all keys, do the following:

- Activate one more Extension than you actually want to use How you can do that is described in the main manual.
- Choose Options->Preferences...->MIDI Devices
- Choose the device with the name D400 and the highest number
- Mark Enable input for control messages

7			REAPER Preferences		Ŧ
General Paths Keyboard/Multitouch Project Track/Send Defaults Media Item Defaults Audio Device MIDI Devices Buffering Playback Seeking		MIDI hardware sett MIDI inputs to mak Device LoopBe Internal I D 400 MIDIIN2 (D 400)	REAPER Preferences tings te available (selectable as track MIDI Configure MIDI Input MIDIIN2 (D 400)	< inputs and/or lea Mode <disabled> <disabled> <disabled> &lt;</disabled></disabled></disabled>	amable or action-bindable):
Recording Loop Recording Rendering Appearance Media Peaks/Waveforms Fades/Crossfades Track Control Panels Theme Editor Editing Behavior Envelope Display		Alias name: Enable input Advanced MI Advanced MI Let REAPE High precis Low precis Timestamp precised Advice driver. 1	MIDIIN2 (D 400) t from this device t for control messages IDI event timestamp options ER timestamp events (default) sion system timestamp (QPC) ion system timestamp (TGT) cision should be set to match this I If the driver precision is unknown, I	MIDI input et REAPER	Reset all MIDI devices
Automation Find Enabl	✓ Ie the M and set	unestamp with	OK	Cancel	DK Cancel Apply

- Go to Actions->Show action list...
- Choose an action and click **Add...**, to assign a midi key by clicking it

Tra	ick Options	Actions Help								
M		<ul> <li>Show action</li> </ul>	list	?						
<u>~</u>	_	Show recent	actions							
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	0.00.000	Options: Pre	rerences	Ctrl+P		.04.000	0.03.00	· · · ·	0.000	
		Audio device	e configuration							
				Acti	ons				Ŧ.	
	Filter:				Clear	Find shortcut	Section:	Main	~	
	Shortcut	Descripti	ion	^			State		^	
		Action: N	Addify MIDI CC/mouse	ewheel: +10%						
		Action: N	Nodify MIDI CC/mouse	ewheel: -10%						
		Action: N	Nodify MIDI CC/mouse	ewheel: 0.5x						
		Action: N	Nodify MIDI CC/mouse	ewheel: 2x						
		Action: N	Addify MIDI CC/mouse	ewheel: negative	e					
		Action: F	rompt to continue (on	ly valid within cu	istom actions	5) 				
		Action: F	rompt to go to action	toop start (only \	alid within cu	ustom actions)				
		Action: 9	Set action loop start (o	nk valid within c	ustom action	(e)				
		Action: 9	Skin next action if CC (	parameter !=0/m	id					
		Action: S	kip next action if CC r	parameter <0/mi	d					
		Action: S	kip next action if CC r	oarameter <=0/n	nid					
		Action: 9	Skip next action if CC p	parameter ==0/n	nid					
		Action: S	Skip next action if CC p	oarameter >0/mi	d					
		Action: S	Skip next action if CC p	oarameter >=0/n	nid					
		Action: V	Nait 0.1 seconds befo	re next action						
		Action: \	Vait 0.5 seconds befo	re next action						
		Action: V	Vait 1 second before r	next action						
		Action: V	Vait 10 seconds befor	re next action						
		Action: \	Vait 5 seconds before	next action						
		Action: F	Repeat the action prior	r to the most rec	ent action					
		Adjust er	tire tempo envelope				off			
		Adjust la	st touched FX parame	ter (MIDI CC/O	SC only)					
		Adjust so	Jo in front dim (MIDI C	C/mousewheel	oniy)				~	
	Shortcuts	or selected action								
		Add		C	ustom action	s: New	Edit	Delete	Сору	
		Delete			ReaScrin	t: New/load	Edit	Delete	Conv	
		Dolott			, is a solution			201010	cop)	
	Import/exp	t Menu editor				Run	Run	/close	Close	
n c										
0	Import/exp	t Menu editor				Run	Run	/close	Close	1

- While assigning encoders make sure to select Relative 1

<b>S</b>	Keyboard/MIDI/OSC Input	×
Shortcut:	MIDI Chan 1 CC 114	
	Special key (Enter, Tab, etc)	
MIDI CC:	Relative 1 (127=-1, 1=+1)	~
	Soft takeover (absolute mode only)	
Automa	atically close window on key/MIDI input	
	OK Cance	el

- Keys have to be transmitted in a **Note On** message

<b>N</b>	Keyboard/MIDI/OSC Input	×
Shortcut:	MIDI Chan 1 Note 117	
	Special key (Enter, Tab, etc)	
MIDI CC:	Absolute	$\sim$
	Soft takeover (absolute mode only)	
Automa	tically close window on key/MIDI input	
	OK Canc	el

## Step 6: (optional)

£ × FX Edit Options VST: ReaEQ (Cockos) No preset 🗸 🔹 Param 🛛 2 in 2 out 🛛 🕔 🗹 Last touched: [1-Freq (Low )] Show in track controls 0 Show track envelope Parameter modulation ✓ Learn Alias parameter FX parameter list . Show in track controls ٠ 2 3 4 Default controller mappings ٠ Show track envelope ۲ ✓ Enabled Type: Low Shelf ✓ ✓ Log-scale automated frequencies Parameter modulation ۲ Frequency (Hz): 216.3 A3 Learn ► ✓ 1-Freq (Low ) Alias parameter 1-Gain (Low ) Gain (dB): -7.3 I 1-Q (Low ) Bandwidth (oct): 2-Freq (Band) 0.0 2-Gain (Band) Add Remove Add band Remove band Reset defaults Show tabs Show grid Show phase 2-O (Band) 0.0%/0.0% CPU 0/0 spls 3-Freq (Band) 3-Gain (Band) 3-Q (Band) 4-Freq (High) 4-Gain (High) 4-Q (High) Bypass ✔ Wet

#### - To assign the EQ elements, do the following:

#### Step 7: (optional)

 If you want to connect more than one extension you should redo step 3 and 4 but select D400 (2) and Mackie Control Extender and set Surface offset to 8 (resp. 16, 24, ...)

If there is only one D400 showing up, you need to enable the extensions first. How you can do that is described in the main manual.

7	REAPER Preferences	Ŧ
Loop Recording Rendering Appearance	Control surfaces     Mackie Control (dev 0.1)     Control Surface Settings     X	1
Peaks/Waveform Fades/Crossfades	Control surface mode: Mackie Control Extender	
Theme Editor	MIDI input: MIDIIN2 (D 400) V	
Editing Behavior Envelope Display	MIDI output: MIDIOUT2 (D 400) V	
Automation	Surface offset (tracks): 8	
Mouse Mouse Modifiers	Size tweak: 9 (leave at 9 unless you know what you're doing)	
MIDI Editor	Ignore fader moves when fader is not being touched	
Media MIDI Video/REX/Misc	✓ Map F1-F8 to go to markers	
Plug-ins Compatibility		plied immediately)
ReWire/DX ReaScript	OK Cancel	
ReaMote	Close control surface devices when stopped and not active application	1
Find	ОК	Cancel Apply



For more information visit www.asparion.de