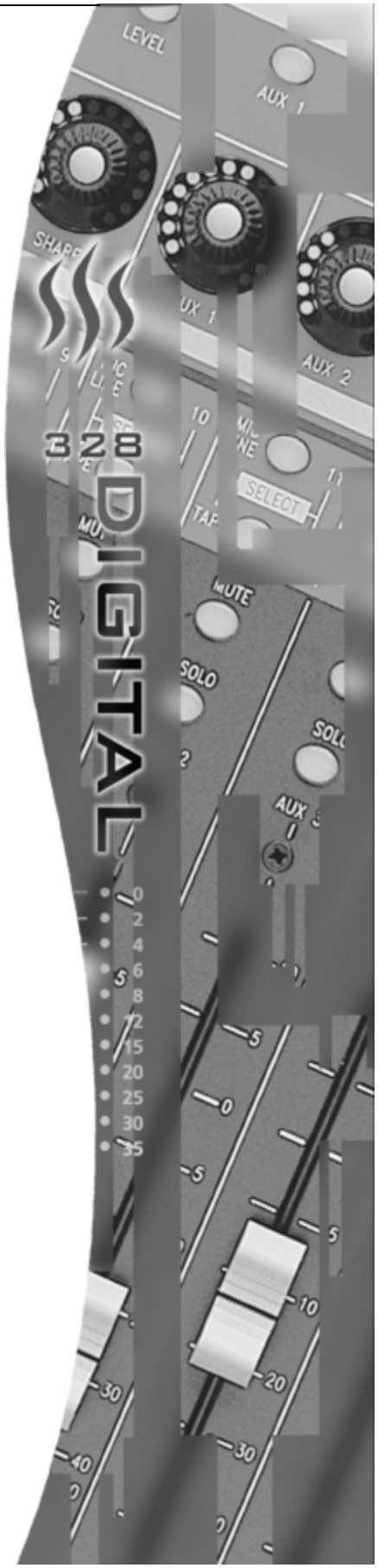
SPIRIT
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digital
three two eight
V 2.0



REASON
propellerhead

Setup Guide

Reason and the Digital 328

This Setup Guide is for interfacing Propellerheads' Reason with the Digital 328 digital mixer. This guide assumes that you have a working knowledge of your computer platform and a familiarity with Reason and the Digital 328.

The procedure will show the user how to integrate **the Digital 328 MIDI Controller Bank as a limited control surface** for all devices within Reason.

Macintosh users must have OMS 2.38 installed and active to achieve results outlined in this guide.

The Digital 328 **MIDI Controller Bank** allows the definition of all 16 faders, 16 encoders and 32 mute and solo switches as physical MIDI controllers. For this reason (no pun intended), the 328 is as flexible as any application will allow, yet there are often limitations imposed by third-party software.

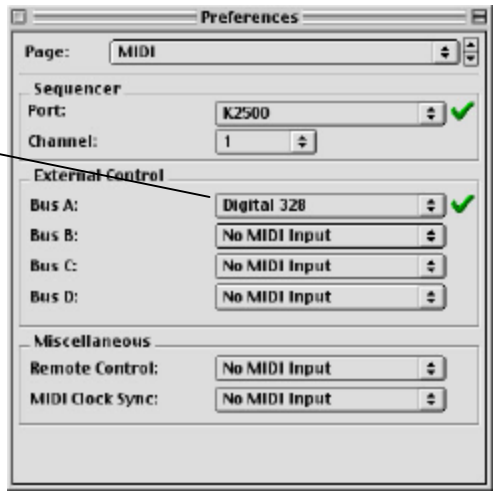
The 328 uses MIDI Continuous Controller parameters to control devices within REASON, and the 328 is perfectly suited for this task. Utilizing the 328 together with Reason is simply amazing – many benefits will be realized with this system.

Reason Setup

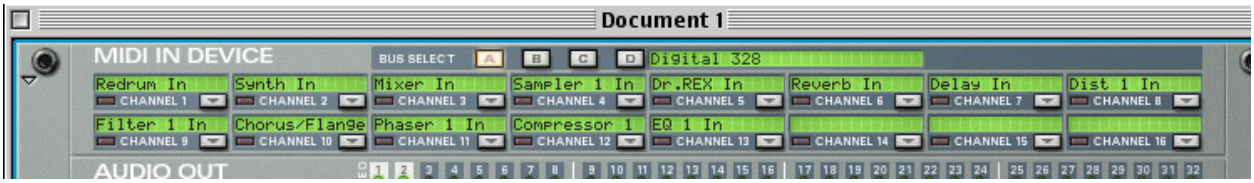
Launch Reason and enter the PREFERENCES Dialogue.

Under PREFERENCES, select MIDI.

Enable the 328 as an External controller.



Close the PREFERENCES window and return to the main view.
Under the MIDI input section, configure Reason as follows:



Assign the Digital 328 to Bus A

Assign the MIDI channels as follows:

1 Redrum
2 Synth
3 Mixer
4 Sampler
5 Dr. Rex
6 Reverb
7 Delay
8 Distortion
9 Filter
10 Chorus/Flanger
11 Phaser
12 Compressor
13 EQ

Failure to configure reason in this manner will render the provided Digital 328 MIDI Controller Presets inactive.

Digital 328 Setup

The 328 Controller presets need to be dumped into the 328 via MIDI SYSEX.

The provided Controller Preset files are in Standard MIDI File format, so any computer sequencer should suffice. Consult your sequencer manual for advice on how to open a Standard MIDI File.

Once the SMF file is opened in your sequencer, assign the output of the track to the Digital 328.

On the 328, go to MENU/MIDI DUMP IN – hit ENTER. The 328 will wait for the data.

The first set of data (measure 4) in the Standard MIDI File is all 6 Controller presets. When the 328 receives this data, **it will overwrite any existing controller presets in locations 1 through 6.**

The next 6 sets of data (measures 7 through 23) contain the individual presets, in case you want to reassign the location number (without erasing existing 328 data). Standard MIDI File Markers have been used to indicate the data types.

Press PLAY on your sequencer to begin the data transmission.

Presets and The Digital 328 MIDI Controller Bank

Select the desired MIDI Controller Preset by entering the CONTROLLER PRESETS menu. Scroll through the list of available controllers, and hit ENTER to enable the desired preset.

For example, to enable the Controller Preset for the mixer within Reason, go to MENU, select MIDI CTRL PRESETS and hit ENTER.

Scroll through the list until the following dialogue appears:



When "Rzn Mixer C3" is flashing, pressing ENTER will bring that preset into memory, and the Digital 328 MIDI CONTROLLER BANK will be set to control Reason.

Please refer to the 328 Version 2.0 Manual for advice on accessing MIDI Controller Bank on the 328.

(Just press any fader mode button twice – even though it appears to de-select, it has entered MIDI Controller Bank)

Controller Maps

The following maps outline control locations for Reason when connected to the Digital 328. The correct Controller Preset must be selected on the 328 as well.

Redrum (MIDI channel 1)

328 Fader	Reason Target	328 Knob	Reason Target	328 Solo	Reason Target
1	Drum 1 Level	1	Drum 1 Pan	1	-
2	Drum 2 Level	2	Drum 2 Pan	2	-
3	Drum 3 Level	3	Drum 3 Pan	3	-
4	Drum 4 Level	4	Drum 4 Pan	4	-
5	Drum 5 Level	5	Drum 5 Pan	5	-
6	Drum 6 Level	6	Drum 6 Pan	6	-
7	Drum 7 Level	7	Drum 7 Pan	7	-
8	Drum 8 Level	8	Drum 8 Pan	8	-
9	Drum 9 Level	9	Drum 9 Pan	9	-
10	Drum 10 Level	10	Drum 10 Pan	10	-
11	Drum 1 Length	11	Drum 1 Pitch	11	-
12	Drum 2 Length	12	Drum 2 Pitch	12	-
13	Drum 3 Length	13	Drum 3 Pitch	13	-
14	Drum 4 Length	14	Drum 4 Pitch	14	-
15	Drum 5 Length	15	Drum 5 Pitch	15	-
16	Master Level	16	Drum 6 Pitch	16	-

SubTractor (MIDI channel 2)

328 Fader	Reason Target	328 Knob	Reason Target	328 Solo	Reason Target
1	Filter 1 Freq	1	Velocity Amp	1	OSC 1 Kbd Track
2	Filter 1 Res	2	Velocity FM	2	Filter Link
3	Keyboard Trk	3	Velocity M. Env	3	Filter 2 Enable
4	Filter 2 Freq	4	Velocity Phase	4	OSC 2 Enable
5	Filter 2 Res	5	Velocity Freq 2	5	OSC 2 Kbd Track
6	Filter Env Att	6	Velocity F. Env	6	Ring Mod Enable
7	Filter Env Dec	7	Velocity F. Dec	7	Noise Enable
8	Filter Env Sus	8	Velocity Mix	8	Mod Env Enable
9	Filter Env Rel	9	Velocity A. Atk	9	Filter Env Enable
10	Filter Env Amnt	10	Mod F. Freq	10	-
11	Amp Env Att	11	Mod F. Res	11	-
12	Amp Env Dec	12	Mod LFO1	12	-
13	Amp Env Sus	13	Mod Phase	13	-
14	Amp Env Rel	14	Mod FM	14	-
15	-	15	LFO Rate	15	-
16	Master Level	16	LFO Amount	16	-

Reason Mixer (MIDI channel 3)

328 Fader	Reason Target	328 Knob	Reason Target	328 Solo	Reason Target
1	Fader 1 Level	1	Pan 1	1	-
2	Fader 2 Level	2	Pan 2	2	-
3	Fader 3 Level	3	Pan 3	3	-
4	Fader 4 Level	4	Pan 4	4	-
5	Fader 5 Level	5	Pan 5	5	-
6	Fader 6 Level	6	Pan 6	6	-
7	Fader 7 Level	7	Pan 7	7	-
8	Fader 8 Level	8	Pan 8	8	-
9	Fader 9 Level	9	Pan 9	9	-
10	Fader 10 Level	10	Pan 10	10	-
11	Fader 11 Level	11	Pan 11	11	-
12	Fader 12 Level	12	Pan 12	12	-
13	Fader 13 Level	13	Pan 13	13	-
14	Fader 14 Level	14	Pan 14	14	-
15	-	15	-	15	-
16	Master Level	16	-	16	-

NN-19 (MIDI channel 4)

328 Fader	Reason Target	328 Knob	Reason Target	328 Solo	Reason Target
1	Filter 1 Freq	1	Velocity F. Env	1	Filter Enable
2	Filter 1 Res	2	Velocity F. Dec	2	Env Invert
3	Keyboard Trk	3	Velocity Amp	3	Kbd Track
4	-	4	Velocity A. Att	4	-
5	Filter Env Att	5	Velocity S. Start	5	-
6	Filter Env Dec	6	Mod F. Freq	6	-
7	Filter Env Sus	7	Mod F. Res	7	-
8	Filter Env Rel	8	Mod F. Decay	8	-
9	Filter Env Amnt	9	Mod Amp	9	-
10	-	10	Mod LFO	10	-
11	Amp Env Att	11	LFO Rate	11	-
12	Amp Env Dec	12	LFO Amount	12	-
13	Amp Env Sus	13	Cont F. Freq	13	-
14	Amp Env Rel	14	Cont LFO	14	-
15	Env. Amount	15	Cont Amp	15	-
16	Master Level	16	Spread	16	-

DrRex (MIDI channel 5)

328 Fader	Reason Target	328 Knob	Reason Target	328 Solo	Reason Target
1	Filter 1 Freq	1	Mod F. Freq	1	Filter Enable
2	Filter 1 Res	2	Mod F. Res	2	-
3	Filter Env Amnt	3	Mod F. Decay	3	-
4	Filter Env Att	4	Velocity F. Env	4	-
5	Filter Env Dec	5	Velocity F. Dec	5	-
6	Filter Env Sus	6	Velocity F. Amp	6	-
7	Filter Env Rel	7	LFO Rate	7	-
8	Amp Env Att	8	LFO Amount	8	-
9	Amp Env Dec	9	Fine Pitch	9	-
10	Amp Env Sus	10	Env Amount	10	-
11	Amp Env Rel	11	-	11	-
12	-	12	-	12	-
13	-	13	-	13	-
14	-	14	-	14	-
15	-	15	-	15	-
16	Master Level	16	-	16	-

Reason Effects (MIDI channels 6 - 13)

328 Fader	Reason Target	328 Knob	Reason Target	328 Solo	Reason Target
1	RV-7 Size	1	CF-101 Delay	1	-
2	RV-7 Decay	2	CF-101 FB	2	-
3	RV-7 Damp	3	CF-101 LFO Rt	3	-
4	RV-7 Wt/Dry	4	CF-101 LFOAmt	4	-
5	DDL-1 FB	5	PH-90 Freq	5	-
6	DDL-1 Pan	6	PH-90 Split	6	-
7	DDL-1 Wt/Dry	7	PH-90 Width	7	-
8	D-11 Amount	8	PH-90 LFO Rt	8	-
9	D-11 Foldback	9	PH-90 Fq Mod	9	-
10	ECF-42 Freq	10	PH-90 FB	10	-
11	ECF-42 Res	11	COMP-01 Ratio	11	-
12	ECF-42 EnvAmt	12	COMP-01 Thres	12	-
13	ECF-42 Vel	13	COMP-01 Att	13	-
14	ECF-42 Attack	14	COMP-01 Rel	14	-
15	ECF-42 Sustain	15	PEQ-2 A Freq	15	-
16	ECF-42 Release	16	PEQ-2 B Freq	16	PEQ-2 B Engage

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