Synth

Roland SH-4d

32 parameters · 8 sections · plain CC, no NRPN · transcribed from the maker's manual

Channels

Channels 1 to 16, one per pattern part. The rhythm part takes notes and program change but no CC, so everything in this chart belongs to a tone part.

Sliders and the matrix

Slider 1 to 4, on CC 85 to 88, are whatever the current tone's D-MOTION page assigns them to. Roland notes that CC reception follows the MATRIX settings, so a machine with a reassigned matrix can answer differently. The names here are the factory reading.

Filter	6
Cutoff	74
Resonance	71
Env Depth	81
HPF	79
Key Follow	78
Drive	90

Filter envelope	4
Attack	82
Decay	83
Sustain	28
Release	29

Amp envelope	4
Attack	73
Decay	75
Sustain	31
Release	72

LFO	5
Rate	16
To Pitch	18
To Filter	19
To Amp	80
Fade	20

Tone	3
Timbre	77
Pitch	21
Mod Wheel	1

Sliders	4
Slider 1	85
Slider 2	86
Slider 3	87
Slider 4	88

Mix	2
Level	7
Pan	10

Pedals	4	
Hold	switch	64
Portamento	switch	65
Sostenuto	switch	66
Porta Time		84

These controls as knobs on your iPhone or iPad
Sequentia has this chart built in, with a looper for knob movement and tempo-locked LFOs on any CC.

synthycraft.com/l/sequentia