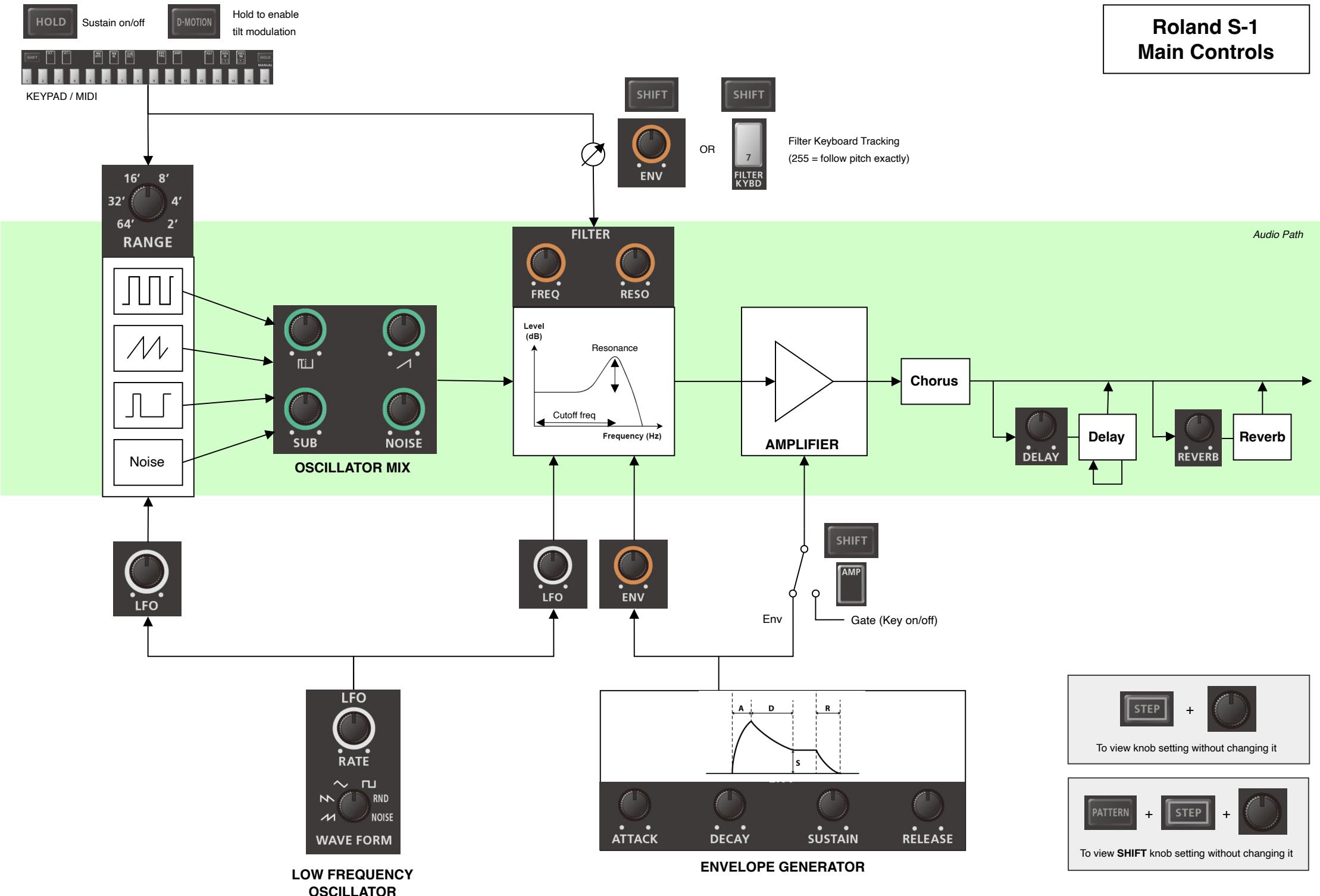
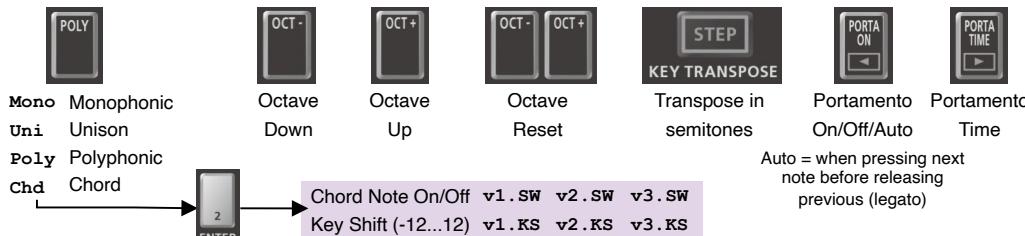


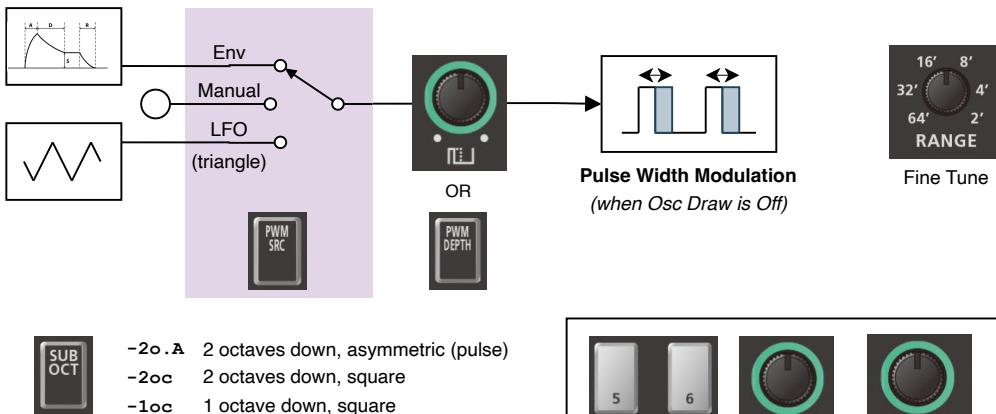
Roland S-1 Main Controls



Keyboard



Oscillator

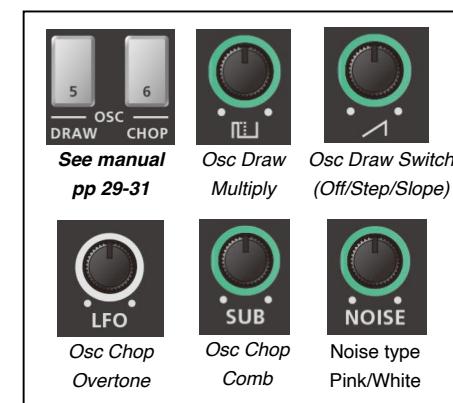


Sub-oscillator
Octave

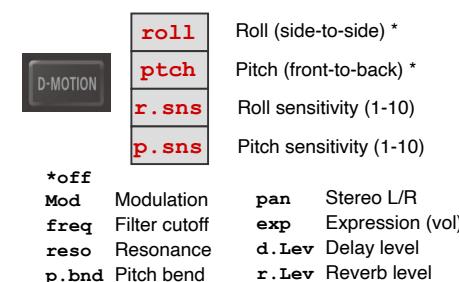
Envelope

ENV TRG	LFO	On each LFO cycle while key pressed
	Gate	When new note played - not legato
	Trig	(Gate+Trig) On every key press
Envelope		
Trigger		

Low Frequency Oscillator



D-Motion Controller



TEMPO/VALUE



ENTER



TEMPO/VALUE



EXIT



Controls

Delay



13 DELAY

d.Syn

Synchronize delay time to Tempo (On/Off)

time

Delay Time (1-740ms if Delay Sync is Off)

Lev

Volume of the delay sound (0-255)

Fdbk

Amount of feedback/repetition (0-255)

Lo.Ct

Cut frequencies below this (FLAT, 20-800 Hz). No frequencies are cut when set to FLAT

Hi.Ct

Cut frequencies above this (630-12.5 kHz, FLAT). No frequencies are cut when set to FLAT



DELAY

Reverb



14 REVERB

type

Reverb Type

time

Time (length) of reverberation (0-255)

Lev

Volume of the reverb sound (0-255)

Pr.dL

Pre-delay: time until the reverb starts (0-100ms)

Lo.Ct

Cut frequencies below this (FLAT, 20-800 Hz)

Hi.Ct

Cut frequencies above this (630-12.5 kHz, FLAT)

dens

Density of the reverb sound (0-10)



REVERB

Amb (Ambience)	Plat (Plate)
Room (Room)	Sprn (Spring)
HAL1 (Hall 1)	Mod (Modulate)
HAL2 (Hall 2)	

Reverb Types



15 MENU

Off No chorus

1 Cho Standard chorus effect

2 Chorus with faster modulation

3 Effect similar to a rotary speaker (fast)

4 More relaxed chorus effect

Note Lengths

Display	Explanation	
<i>I_4</i>	Quarter note	
<i>8d</i>	Dotted eighth note	
<i>6l</i>	Quarter-note triplet	
<i>I_8</i>	Eighth note	
<i>16d</i>	Dotted sixteenth note	
<i>8l</i>	Eighth-note triplet	
<i>I_16</i>	Sixteenth note	
<i>32d</i>	Dotted thirty-second note	
<i>16l</i>	Sixteenth-note triplet	
<i>I_32</i>	Thirty-second note	
<i>64d</i>	Dotted sixty-fourth note	
<i>32l</i>	Thirty-second-note triplet	
<i>I_64</i>	Sixty-fourth note	
<i>128d</i>	Dotted 128th note	
<i>64l</i>	Sixty-fourth-note triplet	
<i>I_128</i>	128th note	

(LFO Sync)

(LFO Sync, Delay Sync)

Menu summary

vol	Volume - set the pattern volume (0-127)
Mod.d	LFO Modulation Depth (0-255). Depth of LFO modulation when modulation controller is used
bnd.o	Oscillator Bend Sensitivity (0-240, 120=1 Oct, 240=2 Oct) How much pitch bend affects OSC pitch
bnd.F	Filter Bend Sensitivity (0-255). How much pitch bend affects the filter cutoff point
ns.Md	Noise Mode . Pink/White
rs.Md	Riser Mode . Off, Sync (to quarter notes), Quiver, Quiver Pan (see p57). Or SHIFT + 1 + 2
rs.rs	Riser Resonance (0-100)
rs.sh	Riser Shape (0-100, 0=Sawtooth, 100=Square)
rs.Lv	Riser Level (0-100)
LFO.M	LFO Mode (Normal/Fast). Disabled when LFO Sync is On (see p23). Or SHIFT + LFO RATE
LFO.S	LFO Sync (Off/On). Whether to sync the LFO rate to the tempo. Or SHIFT + LFO WAVE FORM
LFO.K	LFO Key Trigger (Off/On). Whether the LFO is reset when a note-on message is received or played.
Cho	Chorus (Off, 1-4)
tran	Transpose (-60 .. 60). Or SHIFT + STEP/KEY TRANPOSE
P.SCL	Pattern Scale (1_8, 1_16, 1_32, 8t, 16t, 32t). Length of a single step in the pattern. Or PATTERN + Tempo
M.Prb	Master Probability (-100 .. 100). Adds to probability that each step plays in pattern. Or STEP + Tempo
n.Pri	Note Priority (Last, Low). Sets whether Last note or Lowest note has priority when POLY is set to Mono/Uni/Chd and ENV TRG is LFO or Gate

Pattern management



SHIFT + **1** + **POLY** Reload pattern (sound only) **SHIFT** + **HOLD** Set all main controls from current knob positions (does not affect SHIFT knob settings)

copy Copy pattern (dial destination pattern then ENTER, or EXIT to cancel)
init Initialize the current pattern to defaults
rld Reload the pattern (sound and sequence)
rl.Sd Reload the pattern (sound only)
rl.Sq Reload the pattern (sequence only)

SHIFT + **16** **WRITE** Save Pattern



GL.dr	Global Delay/Reverb (Off/On). Off = sep. settings per pattern, On = settings carried over between patterns
DL.Md	Delay Level Mode (Pre/Post). Whether delay level knob affects sound entering or leaving the delay
S.CLK	Sync Clock (1,2,3,4,6,8,12,24). Number of sync clocks per beat
CH	MIDI Channel (1-16). Specifies the MIDI transmit/receive channel
sync	MIDI Clock Sync (Auto, Internal, MIDI, USB). If Sync In jack is connected, it always takes priority
thru	MIDI Thru (Off/On). Whether messages from MIDI In jack are output to MIDI Out
TxPc	TX Program Change (Off/On). Whether program change messages are sent when pattern changes
RxPc	RX Program Change (Off/On). Whether pattern changes when program change message is received
Pc.Ch	Program Change Channel (1-16). MIDI channel for transmittin/receiving program change messages
velo	Key Velocity (1-127)
tune	Master Tune (433.0-448.0). Default 440.0Hz
USB.d	USB Direct Out (Off, 1-127). Set volume of signal output to USB. Off uses the Volume knob setting
A.Lnk	AIRA Link (Off/On). Whether connecting USB Aira Link device such as MX-1. Takes effect on power cycle
Cnt.I	Count In (Off, 2-4). Number of beats of count-in for recording
Mtro	Metronome (Off, Rec, Rec/Play). Sets whether and when the metronome plays. Or SHIFT + REC
Mtr.L	Metronome Level (0-100)
d.Lat	D-Motion Latch (Off/On). Whether D-Motion toggles each time you press the button, or is momentary

Followed by *Pattern Management options*

Arpeggiator

8 ON	9 ARPEGGIO TYPE	up down up.dw (up&down) up.2 (up 2 oct)	dw.2 (down 2 oct) u.d.2 (up&down 2 oct) rand (random) rnd.2 (random 2 oct)	10 RATE	1_4 (Quarter note) 8t (Eighth triplet) 1_8 (Eighth note) 16t (16th triplet) 1_16 (Sixteenth) 32t (32nd triplet) 1_32 (32nd)
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Power-on commands (hold while switching on, without SHIFT)

1 EXIT	Battery-only mode Do not draw power from USB: use with iOS devices with Lightning connectors	HOLD Factory reset - D-MOTION flashes; press to confirm, or switch off to cancel
STEP	Backup/Restore - Connect USB to PC; wait 1-2 minutes until all keyboard lights lit. Backup : copy files from BACKUP folder then eject. Restore : copy files to RESTORE folder, eject, press HOLD, wait for "done"	STEP Check firmware version
SHIFT		SHIFT Firmware update (see instructions with firmware file)



Set sequence length
1-64 steps



Set step duration

1_8 (Eighth note)
1_16 (16th note - default)
1_32 (32nd note)
8t (Eight triplet)
16t (16th triplet)
32t (32nd triplet)



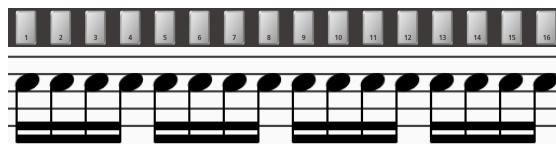
Metronome **M.Off** (Off)
M.Rec (record only)
M.Rc.P (record & play)

Toggle and/or to set input mode

Sequencer

Manual pp32-46

Step input (mode A)



Press to add note (C₅) or remove note at this time position.

Press and hold to edit note. While holding,
press D-MOTION to cycle between settings



Move between pages
1-16, 17-32,
33-48, 49-64



Play sequence

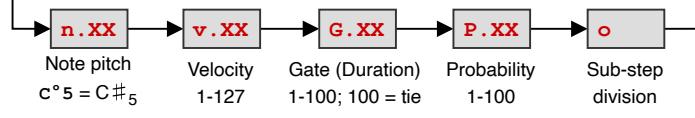


Tempo **



e.g.

The step is divided into three parts, with the first and second parts being played and the third part not played



Press and hold note, then press HOLD to tie to next note

Step edit (mode C)



Press to select and play step

Press and hold to edit note as above



Move between pages



Select and play step *

If step contains a chord:

* lowest note pitch is displayed, all pitches change by same amount

* largest velocity or gate is displayed, new value applies to all notes

Step edit while listening (mode E)



Press to select step

Press and hold to edit note as above



Move between pages



Select step *

Note/chord input and edit (mode B)



Add/remove notes from this step.

Press and hold to edit performance data. While holding,
press D-MOTION to cycle between settings



Velocity
1-127
Gate (Duration)
1-100; 100 = tie
with next

Press and hold note, then press HOLD to tie to next note



+ 15 MENU TEMPO/VALUE

Select and play step *

Copy current step

Paste over current step

Insert empty step at current

All steps copied after last step,
doubling the sequence length

Real-time note recording (mode D)



Play to add notes in real time



+ OCT- OCT+ TEMPO/VALUE

Octave

Down/Up



Unused **

Motion recording

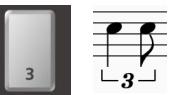
"Motions" are parameter changes like LFO rate, Filter frequency etc

Up to 8 parameters plus pitch bend can be stored in one pattern; pitch-bend only from real-time recording (mode D). In mode A, hold step pad 1-16 while turning required control knob. In mode B/C/E, turn knob while on selected step.

Other controls



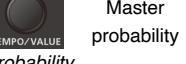
* When step number is displayed:
clear notes or motions in current step only
** When step number is not displayed:
clear all notes or motions in entire pattern



-100 .. 100



Step loop mode: during playback,
hold pads 1-16 to loop over only those steps



Master probability
Added to note probability
for all notes with P < 100