

HOLD

Sustain on/off

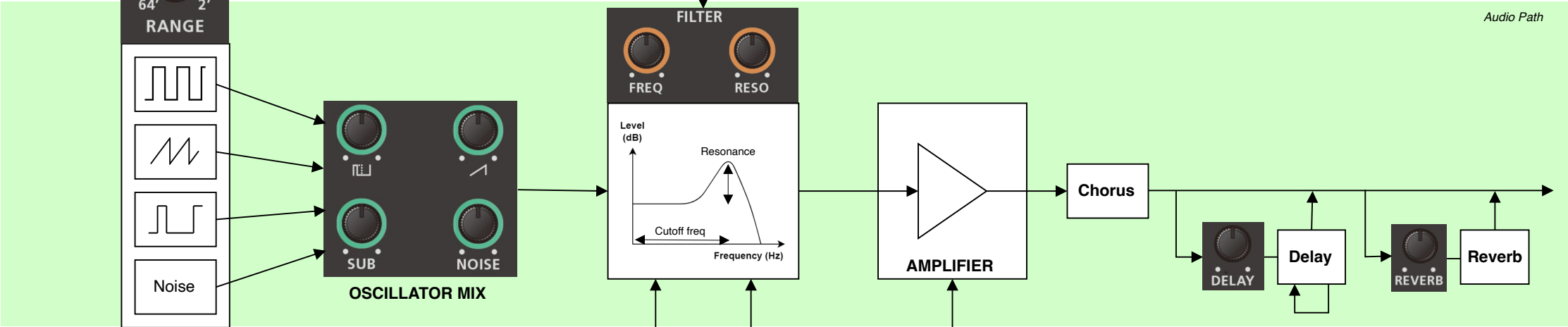
D-MOTION

Hold to enable tilt modulation



KEYPAD / MIDI

Roland S-1 Main Controls



LFO

LFO

ENV

Env

Gate (Key on/off)

LFO

RATE

WAVE FORM

RND

NOISE

LOW FREQUENCY
OSCILLATOR

A

D

R

S

ATTACK

DECAY

SUSTAIN

RELEASE

ENVELOPE GENERATOR

STEP

+

To view knob setting without changing it

PATTERN

+

STEP

+

To view **SHIFT** knob setting without changing it

Keyboard

POLY

Mono Monophonic

Uni Unison

Poly Polyphonic

Chd Chord

OCT-

Octave Down

OCT+

Octave Up

OCT- OCT+

Octave Reset

STEP

KEY TRANSPOSE

PORTA ON

Portamento On/Off/Auto

PORTA TIME

Portamento Time

2 ENTER

Chord Note On/Off

v1.SW v2.SW v3.SW

Key Shift (-12...12) v1.KS v2.KS v3.KS

Auto = when pressing next note before releasing previous (legato)

Oscillator

Env

Manual

LFO (triangle)

PWM SRC

PWM DEPTH

OR

Pulse Width Modulation (when Osc Draw is Off)

16' 8' 32' 64' 2' RANGE

Fine Tune

SUB OCT

-2o.A 2 octaves down, asymmetric (pulse)

-2oc 2 octaves down, square

-1oc 1 octave down, square

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

LFO RATE

LFO Mode Normal/Fast

WAVE FORM

LFO Sync to Tempo Off/On

15 MENU

LFO Key Trigger Off/On

Sets whether LFO is reset when note starts

LFO.K

D-Motion Controller

D-MOTION

roll Roll (side-to-side) *

ptch Pitch (front-to-back) *

r.sns Roll sensitivity (1-10)

p.sns Pitch sensitivity (1-10)

*off

Mod Modulation

freq Filter cutoff

reso Resonance

p.bnd Pitch bend

pan Stereo L/R

exp Expression (vol)

d.lev Delay level

r.lev Reverb level

Menu item

Select

Adjust Value

Done

SHIFT

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)

Amb (Ambience)

Plat (Plate)

Room (Room)

Sprn (Spring)

HAL1 (Hall 1)

Mod (Modulate)

HAL2 (Hall 2)

Reverb Types

Chorus

15 MENU

Cho

off No chorus

1 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		
1_ 4	Quarter note	1_ 4	Quarter note
8_ 1	Octuple whole note	8d	Dotted eighth note
6_ 1	Sextuple whole note	4t	Quarter-note triplet
8_ 1t	Octuple whole-note triplet	1_ 8	Eighth note
4_ 1	Quadruple whole note	16d	Dotted sixteenth note
3_ 1	Triple whole note	8t	Eighth-note triplet
4_ 1t	Quadruple whole-note triplet	1_ 16	Sixteenth note
2_ 1	Double whole note	32d	Dotted thirty-second note
1d	Dotted whole note	16t	Sixteenth-note triplet
2_ 1t	Double whole-note triplet	1_ 32	Thirty-second note
1_ 1	Whole note	64d	Dotted sixty-fourth note
2d	Dotted half note	32t	Thirty-second-note triplet
1t	Whole-note triplet	1_ 64	Sixty-fourth note
1_ 2	Half note	128d	Dotted 128th note
4d	Dotted quarter note	64t	Sixty-fourth-note triplet
2t	Half-note triplet	128	128th note

(LFO Sync)

(LFO Sync, Delay Sync)

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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 TRANSPOSE
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

When Riser is enabled, use Noise knob to control riser Up (0 to 100, mid-point) then Down (100 to 0). Add SHIFT to adjust silently until released

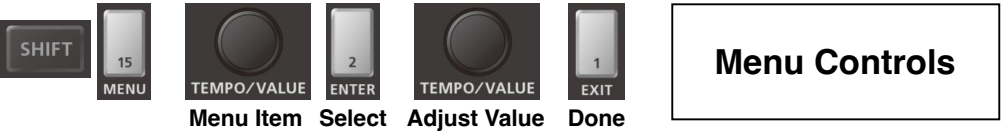
Pattern management



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

SHIFT + 16 WRITE

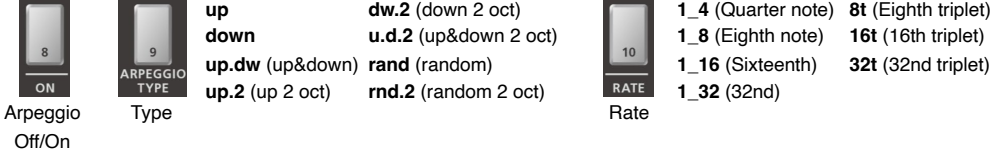
Save Pattern



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



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
	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	Firmware update (see instructions with firmware file)



Set sequence length
1-64 steps



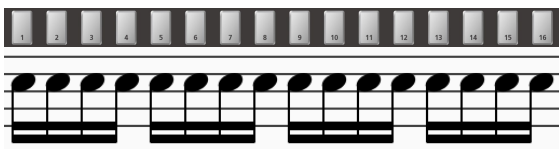
Set step duration

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



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

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



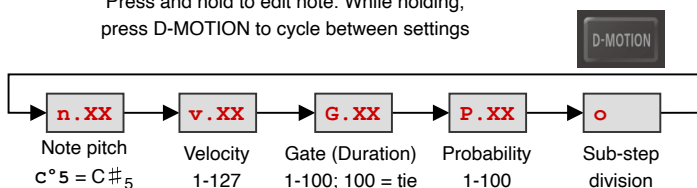
Move between pages
1-16, 17-32,
33-48, 49-64



Play sequence



Tempo **



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

e.g. oo_

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

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 *

Toggle



and/or

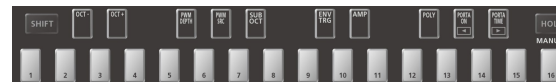


to set input mode

Sequencer

Manual pp32-46

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



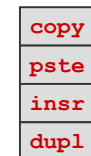
Velocity
1-127

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

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



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



Octave
Down/Up



Unused **

Motion recording

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

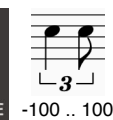
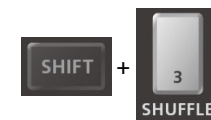
Up to 8 parameters plus pitch bend can be stored in one pattern; pitch-bend only from real-time recording (mode D).

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



Added to note probability
for all notes with P < 100

Master
probability