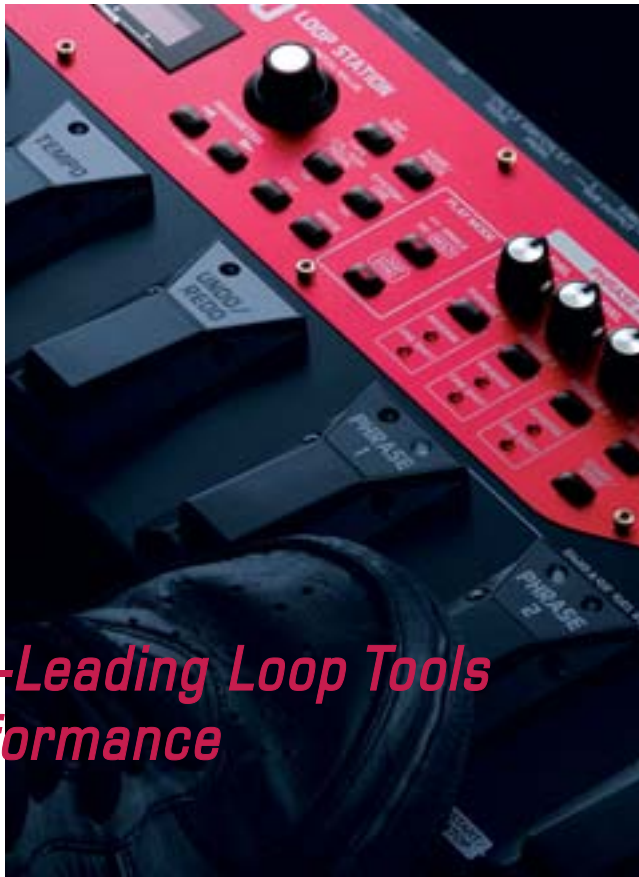




# RC-50/RC-20XL



*The Industry-Leading Loop Tools  
for Live Performance*



Turn a single instrument or voice into a wall of synchronized sound with the RC-50.

**FOR GUITARISTS/  
BASSISTS**

Unleash the ultimate solo. With three stackable phrase tracks, you can build an intricate, layered masterpiece live onstage.

**FOR VOCALISTS**

An XLR input, complete with phantom power, is built into the back panel. Just plug in a mic and start singing.

**FOR DJs & RAPPERS**

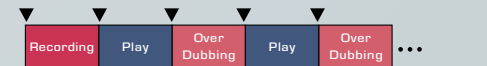
Create on-the-fly remixes and loops by feeding audio tracks into the RC-50, and layering and manipulating the audio.



For those awaiting the arrival of the ultimate looper, the wait is finally over. Meet the most feature-laden Loop Station in BOSS history!

- 7 footswitches for intuitive control; realtime control of playback speed
- Play up to 3 stereo phrase tracks simultaneously, all synced to internal or MIDI clock
- Up to 49 min. record time (mono), 99 patches (3 master loops per patch)
- Undo/Redo function for recording and overdubbing
- Stereo in, dual stereo out, XLR phantom-powered mic in, stereo mini-jack Aux in
- USB port for data/audio backup, import/export of loops as WAV files

■ Overdub by simply stepping on a pedal as indicated below



**Loop, Layer, Rock!**

There are three simultaneous stereo phrase channels on the RC-50, each with a dedicated footswitch. Each channel can contain dozens of loops/phrases that you stack one by one, so you can imagine how massive your arrangements or solos can become!

**In Sync**

For bands that incorporate digital audio tracks, sequences, drum machines, and/or video elements into their live gigs, sync is not a luxury — it's a necessity. For scenarios such as these, the RC-50 can be locked to an external MIDI clock source.

**Rhythm Guide**

To make recording as fun and inspiring as possible, the RC-50 provides 379 play-along Rhythm Guide Patterns using real sampled drums in a wide variety of time signatures. Why record to a stale click when you can jam with rockin' grooves instead?

**Impressive I/O**

The RC-50's rear panel is well stocked with connectors, offering stereo ins and outs, XLR input with 48V phantom power, mini-jack aux in, headphone out, USB, MIDI I/O, and inputs for accommodating an optional Expression pedal and footswitches.

**Bonus Features**

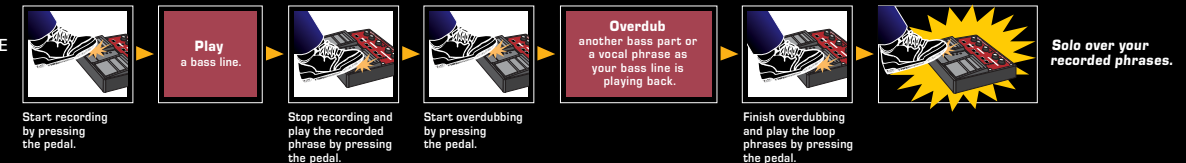
The RC-50 has plenty of other noteworthy features on offer, for example: Phrases can be played forward or backward. Phrases can be retriggered in "free time" or on a grid. Errors can be corrected on the fly with the Undo/Redo switch.

**RC-50 LOOP STATION**  
USB



**REALTIME PERFORMANCE**

■ OPERATION EXAMPLE "SOUND ON SOUND"



Powerful yet compact, the RC-20XL is the loop-creation choice of professionals who like to travel light.

- Loops and riffs can be stacked repeatedly; approx. 16 minutes of recording time
- Undo and Guide functions make it easy to create perfect loops
- Change loop tempo without changing pitch

**Hands-Free Simplicity**

The RC-20XL provides friendly "hands-free" pedal operation: control Record, Play, and Overdub functions via foot, and keep your hands free to play your instrument. Enjoy 16 minutes of recording time. Correct mistakes with the Undo function.

**Performance Tools**

Create a multi-layered loop live onstage, then bring it to an artistic conclusion with the three Stop options. When you hit the pedal, you can either immediately stop the playback, let the phrase play until the end, or fade it out.

**RC-20XL LOOP STATION**  
PHRASE RECORDER



## SPECIFICATIONS

### RC-50



<b>AD Conversion</b>	24 bit
<b>DA Conversion</b>	24 bit
<b>Sampling Frequency</b>	44.1 kHz
<b>Program Memories</b>	99
<b>Nominal Input Level</b>	INST: -10 dBu, MIC: -50 dBu, AUX: -16 dBu
<b>Input Impedance</b>	INST: 1 M $\Omega$ , MIC: 1 k $\Omega$ , AUX: 100 k $\Omega$
<b>Nominal Output Level</b>	MAIN OUTPUT: -10 dBu, SUB OUTPUT: -10 dBu
<b>Output Impedance</b>	MAIN OUTPUT: 2 k $\Omega$ , SUB OUTPUT: 2 k $\Omega$ , PHONES: 47 $\Omega$
<b>Available Recording Time*</b>	STEREO: Approx. 24 minutes, MONO: Approx. 49 minutes
<b>Control</b>	
<b>Front Panel</b>	REC/PLAY/OVERDUB pedal, STOP pedal, TEMPO pedal, UNDO/REDO pedal, PHRASE 1 pedal, PHRASE 2 pedal, PHRASE 3 pedal, PATCH/VALUE dial, PARAMETER buttons, TAP TEMPO button, NAME/PATCH button, CTL/EXP PEDAL button, SYSTEM/USB button, EXIT button, WRITE button, PLAY MODE button, LOOP SYNC button, AUTO REC button, INPUT MODE button, OVERDUB MODE button, LOOP QUANTIZE indicator, OVERDUB MODE indicators (OVERDUB, REPLACE, MOMENTARY PUNCH-IN)
<b>PHRASE EDIT</b>	PHRASE LEVEL knobs (PHRASE 1, 2, 3), PHRASE buttons (PHRASE 1, 2, 3), REVERSE indicators (PHRASE 1, 2, 3), ONE SHOT indicators (PHRASE 1, 2, 3)
<b>GUIDE</b>	LEVEL knob, SELECT button, START/STOP button
<b>INPUT LEVEL</b>	AUX knob, MIC knob, INST knob, PEAK indicator
<b>MASTER</b>	LEVEL knob
<b>Rear Panel</b>	PHANTOM switch, POWER switch
<b>Others</b>	
<b>Display</b>	16 characters, 2 lines (backlit LCD), 2 characters, 7 segment LED
<b>Connectors</b>	INST jacks R (MONO)/L (1/4 inch phone type), MIC connector (XLR type; supports use of phantom power), AUX jack (Stereo miniature phone type), MAIN OUTPUT jacks R (MONO)/L (1/4 inch phone type), PHONES jack (Stereo 1/4 inch phone type), SUB OUTPUT jacks R (MONO)/L (1/4 inch phone type), EXP/CTL 3, 4 PEDAL jack (TRS 1/4 inch phone type), CTL 1, 2 PEDAL jack (TRS 1/4 inch phone type), USB connector, MIDI connectors (IN/OUT), DC IN (AC adaptor) jack
<b>Power Supply</b>	DC 9 V: Supply AC adaptor (Roland ACI or ACB series)
<b>Current Draw</b>	450 mA
<b>Accessories</b>	AC adaptor (Roland ACI or ACB series), USB cable, Owner's Manual, Sound Library for RC-50 (Sample Phrase CD)
<b>Size and Weight</b>	
<b>Width</b>	472 mm (18-5/8 inches)
<b>Depth</b>	198 mm (7-13/16 inches)
<b>Height</b>	64 mm (2-9/16 inches)
<b>Weight</b>	2.9 kg (6 lbs. 7 oz.) (not incl. AC adaptor)

\* The times listed above take into account the amount of memory needed for the actual recording combined with the memory required for the RC-50's operations (e.g., Undo/Redo).

\* 0 dBu=0.775 Vrms

### RC-20 XL



<b>Nominal Input Level</b>	INST: -20 dBu (variable), MIC: -40 dBu (variable), AUX IN: -10 dBu
<b>Input Impedance</b>	INST: 1 M $\Omega$ , MIC: 1 k $\Omega$ , AUX IN: 47 k $\Omega$
<b>Nominal Output Level</b>	OUTPUT: -20 dBu
<b>Output Impedance</b>	1 k $\Omega$
<b>Recommended Load Impedance</b>	10 k $\Omega$ or greater
<b>Internal Memory</b>	Recording time: 16 min.(max.)
<b>Maximum number of saved phrases</b>	11 phrases (max.)
<b>Connectors</b>	INST jack (1/4 inch phone type), MIC jack (1/4 inch phone type), AUX IN jack (Stereo miniature phone type), PHRASE SHIFT jack (1/4 inch TRS phone type), REVERSE jack (1/4 inch phone type), OUTPUT jack (1/4 inch phone type), AC Adaptor jack
<b>Power Supply</b>	DC 9V: Dry battery (R6/LR6 (AA) type) x 6, AC Adaptor (Optional PSA-series)
<b>Current Draw</b>	120 mA (9 V max.)
<b>Accessories</b>	Owner's Manual, Dry battery (AA type) x 6, Sound Library for RC-20XL (Sample Phrase CD)
<b>Size and Weight (incl. batteries)</b>	
<b>Width</b>	173 mm (6-13/16 inches)
<b>Depth</b>	158 mm (6-1/4 inches)
<b>Height</b>	57 mm (2-1/4 inches)
<b>Weight</b>	1.2 kg (2 lbs. 11 oz.) (incl. Dry battery)

\* 0 dBu=0.775 Vrms

## OPTIONS

<b>FS-5U</b> Foot Switch 	<b>FS-6</b> Dual Foot Switch 	<b>EV-5</b> Expression Pedal  Roland
<b>FV-500L</b> Expression Pedal 	<b>FV-500H</b> Expression Pedal 	<b>PCS-31</b> Foot Switch Cable (Stereo 1/4 inch phone plug-1/4 inch phone plug x 2)  Roland