**The Guitar Looper Comparison Chart** — **Modified by Super Velcroboy on Saturday; June 1, 2008**

| | Boss DD-20 Giga Delay | Boss RC-2 Loop Station | Boss RC-20 Loop Station | Boss RC-20XL Loop Station | Boss RC-50 Stereo Loop Station | DigiTech JamMan | Electro-Harmonix 16-Second Digital Delay Reissue | Electro-Harmonix Stereo Memory Man Delay with Hazarai | Electro-Harmonix 2880 Super Mulit-Track Looper | Zvex Lo-Fi Loop Junky | Akai E2 Headrush | Gibson TGE05 Echoplex Digital Pro Plus | Line6 DL4 Delay Modeler Pedal | Boomerang Plus Phrase Sampler | Blackline Engineering Riff Box | Line 6 JM4 | Electrix Repeater | Looperlative LP-1 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Photo** | see it | see it | see it | see it | see it | see it | see it | see it | see it | see it | see it | see it see it | see it | see it | see it | see it | see it | see it | **Photo** |
| **Release Date** | Jan 2003 | | | Aug 2004 | May 2006 | Aug 2005 | June 2004 | Sept 2007 | | March 2002 | June 2004 | Jan 2003 | July 1999 | | March 2005 | early 2008 | 2002 | 2006 | **Release Date** |
| **Status** | current | current | discontinued | current | current | current | discontinued | current | current | current | current | current | current | current | current | current | discontinued | current | **Status** |
| **Price (street)**<br>**Price (retail)** | $219<br>$299 | $179<br>$284 | | $249<br>$349 | $499<br>$689 | $299<br>$449 | $400<br>$479 | $214<br>$286 | $408<br>$545 | $349 | $199<br>$399 | $999<br>$1449 | $249<br>$349 | $599 | $319<br>$419 | $330 | $500<br>? | £1,499.00<br>$1499 | **Price (street)**<br>**Price (retail)** |
| **Delay capable** | yes | no | no | no | no | | yes | yes | | no | yes | yes | yes | yes | 2 digit | | yes | yes | **Delay capable** |
| **Number of loops** | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 4 | 1 | 1 | 9 | 1 | 2 | 1 | | 2 stereo / 4 mono / 1 stereo + 2 mono / 4 mono | 8 stereo | **Number of loops** |
| **Total loop time** | 23 sec | 16 min | 5 min 30 sec | 16 min | 49 min mono<br>24 min stereo | up to 6.5 hours<br>Flash card | 4 min | 30 sec | Flash card | 20 sec | 23.8 sec<br>11.9 sec overdub<br>Extend: 35.6 sec<br>17.8 sec overdub | 198 sec | 14 sec | 1 min 27 sec at 24 Khz<br>2 min 8 sec at 16 KHz | 40 sec stereo<br>80 sec mono | 24 minutes | 85 sec in internal memory – 24 min on a 128Mb CFC card – more on larger cards | 4.5 minutes | **Total loop time** |
| **Sound of Sound (overdub, layering)** | yes<br>tap to record<br>retap to end<br>hold to overdub | yes<br>tap to record<br>retap to end<br>tap to overdub | yes<br>tap to record or auto<br>retap to end<br>tap to overdub | yes<br>tap to record or auto<br>retap to end<br>tap to overdub | yes | yes<br>tap to record or auto<br>retap to end<br>tap to overdub | yes<br>tap to record<br>auto end<br>tap to overdub | yes<br>hold to record<br>remove to end<br>hold to overdub | yes<br>tap button to record<br>retap to end/play<br>tap to overdub | no<br>tap to record<br>retap to end | yes<br>tap to record<br>retap to end | yes | yes | yes | yes<br>tap to record<br>note recognition | yes | yes | yes | **Sound of Sound (overdub, layering)** |
| **Save recall** | no | 11 non-volatile saves<br>phrase switching | 10 non-volatile saves<br>phrase switch FS-5U | 11 non-volatile saves<br>phrase switch FS-5U | 99 patches | 99 loops | 1 non-volatile in Magna Storage | no | | 1 | no | play 9 loops simultaneously | no | 2 volatile loops<br>phrase switching | no | | Yes – 999 loops on CFC card | Yes – loops can be exported to computer via ethernet | **Save recall** |
| **Quantize** | ? | yes | yes | yes | yes | ? | no | | | no | no | Sync record realign | no | | yes, timed to your playing | | yes | no | **Quantize** |
| **Auto start recording** | no | yes | yes | yes | | | no | | | no | | | | | | | | | |
| **Undo**<br>**Redo** | no<br>no | yes<br>yes | yes<br>yes | yes<br>yes | yes | yes<br>yes | no<br>no | no<br>no | | no<br>no | | progessive undo | no | yes | yes<br>no | yes | yes<br>yes | yes<br>yes | **Undo**<br>**Redo** |
| **Rhythm guide** | no | 2x 3/4 patterns<br>33x 4/4 patterns | drum patterns | drum patterns | 379 patterns | 9 patterns | Clix metronome | no | Clix metronome | no | no | no | no | no | no | 100+ Jams & drum grooves | Yes – click metronome | no | **Rhythm guide** |
| **Loop pitch change** | no | no | no | no | | no | yes<br>octave up/ down | yes<br>1 octave up/down | | no | no | | no | | yes, half-speed octave down | | Yes – 2 octaves – can be independent of tempo | Yes – 2 octaves – tied to tempo | **Loop pitch change** |
| **Loop Reverse** | no | no | yes | yes | | no | yes | yes | | no | no | | yes | yes | yes | | yes | yes | **Loop Reverse** |
| **Tap tempo input** | no | yes<br>tap tempo | yes<br>tap tempo | yes<br>tap tempo | yes | yes<br>tap tempo | no<br>tempo set by slider | | no<br>tempo set by slider | no | | yes | | | no | | yes | no | **Tap tempo input** |
| **Loop tempo change** | no | tap tempo button<br>tap tempo FS-5U | tap tempo button | tap tempo button | yes | tap tempo button<br>tap tempo switch | yes | yes<br>1/2x to 2x | yes | no | no | yes | yes<br>half tempo | yes | yes<br>half speed | | Yes – can be independent of pitch | no | **Loop tempo change** |
| **Loop modulation** | no | no | no | no | | no | flange/chorus<br>sweep depth and speed | | | vibrate depth<br>vibrato speed | no | | | | no | | no | no | **Loop modulation** |
| **Interface** | stereo input<br>stereo output<br>optional FS-5U<br>optional FS-5L<br>phone jack | input<br>output<br>AUX input<br>optional FS-5U<br>optional FS-6 | Input<br>Output<br>Mic<br>AUX In<br>Phrase Shift FS-5U<br>Reverse Jack FS-5U | Input<br>Output<br>Mic<br>AUX In<br>Phrase Shift FS-5U<br>Reverse Jack FS-5U | Stereo input<br>stereo output, XLR<br>phantom-powered mic<br>stereo mini-jack<br>Aux input | Input<br>Output<br>Mic XLR input<br>CD/AUX Input<br>Optional FS3X<br>USB Jack | mono input<br>mono output<br>MIDI out<br>optional foot controller | stereo input<br>stereo output | stereo input<br>stereo output<br>Aux in<br>Phone in<br>MIDI<br>optional foot controller | mono input<br>mono output | input<br>4 outputs | | Stereo in,<br>Stereo out<br>(Loop Sampler sums signal to mono) | input<br>output<br>Aux in<br>Aux out | Stereo in<br>Stereo out<br>External footswitch<br>Headphones | stereo in<br>stereo out<br>Aux in<br>1/8 CD input | 4 Stereo ins, 4 stereo outs, inst input, phono inputs, optional 3 button footswitch (digitech), midi in out & thru | 2 stereo ins, 2 stereo outs, 4 aux outs, ethernet, midi in out and thru | **Interface** |
| **MIDI in**<br>**MIDI out** | no<br>no | no<br>no | no<br>no | no<br>no | yes<br>yes | no<br>no | no<br>yes | no<br>no | yes<br>yes | no<br>no | no<br>no | yes | no | no<br>no | yes<br>yes | | yes<br>yes | yes<br>yes | **MIDI in**<br>**MIDI out** |
| **USB support** | no | no | no | no | import export WAV files | yes | no | no | yes | no | no | | no | no | no | no but has SD card slot | no | No, uses ethernet instead | **USB support** |
| **Size (mm)**<br>**Size (inch)** | 57 x 174 x 157<br>6-13/16 x 6-1/4 x 2-1/4 | 73 x 129 x 59<br>2-7/8 x 5-1/8 x 2-3/8 | 57 x 174 x 157<br>6-7/8 x 6-3/16 x 2-1/4 | 57 x 174 x 157<br>6-7/8 x 6-3/16 x 2-1/4 | 472 x 198 x 64 | 168 x 141 x 65 | | | | 4.25 x 2.25 x 1.25 | 140 x 183 x 65 | 19" rack | | 17 x 6 x 2 | 7 x 5 x 2 | | 19 inch rack format | 19 inch rack format | **Size (mm)**<br>**Size (inch)** |
| **Weight (metric)**<br>**Weight (english)** | 1.2 kg<br>2 lbs 11 oz | 420 g<br>5 oz | 1.2 kg<br>2 lbs. 7 oz | 1.2 kg<br>2 lbs 11 oz | 2.9 kg<br>6 lbs 7 oz | 2.88 lbs | | | | | 1.15kg<br>2.54lbs | | | | 2.5lbs | | ? | ? | **Weight (metric)**<br>**Weight (english)** |
| **Power** | 9DVC 200mA<br>center ng | 9VDC 50 mA<br>center neg | 9VDC 85 mA<br>center neg | 9VDC 120 mA<br>center neg | 9VDC 450 mA<br>center neg | 9VAC 1300 mA | 9VDC 500 mA | 9-9.6VDC 200mA<br>center neg | 9VDC 500mA | 9VDC 12 mA<br>no adapter only battery | 9VDC 160 mA | | | | 5-6VDC 500 mA | | Only use electrix power supply TFR0035 | 9-12v dc at 700ma, center negative | **Power** |
| **Sampling** | | | | | | 24 bit<br>44.1kHz | 16 bit<br>15 kHz | 46.88 kHz<br>AD/DA 24 bit<br>looper resolution<br>32 bit | 16 bit<br>44.1 kHz | LO-FI, will detune your loop like an old recorder | 16 bit<br>Normal : 44.1kHz,<br>Extend: 29.4kHz | 16 bit<br>41.5 kHz | | 16 bit<br>8 to 24KHz | 16 bit mono & stereo<br>48 kHz | | 16 bit | 24bit | **Sampling** |
| **Input impedance** | 1 M Ω | INPUT: 1 M Ω<br>AUX IN: 47 kΩ | INPUT: 1 M Ω<br>MIC: 1 k Ω<br>AUX IN: 47 k Ω | Inst: 1 M Ω<br>Mic: 1 k Ω<br>Aux In: 47 k Ω | Inst: 1 M Ω<br>Mic: 1 k Ω<br>Aux: 100 k Ω | Inst: 1 M Ω<br>Mic: 600 Ω<br>Aux: 20 k Ω | 200 k Ω | | | | 500 k Ω | | | | 200 k ohms | | 77kOhm (main), 500kOhm (instrument), 47kOhm (phono) | | **Input impedance** |
| **Rec load impedance** | 10 k Ω | 10 k Ω or greater | 10 kΩ or greater | 10 kΩ or greater | | | | | | | | | | | | | ? | | **Rec load impedance** |
| **Output Impedance** | Output: 1 k Ω<br>Phones: 33 Ω | | 1 kΩ | 1 k ohms | Output: 2 k Ω<br>sub output: 2 k Ω<br>Phone: 47 Ω | 100 Ω | | | | | 1 k Ω | | | | 100 ohms | | 1kOhm | | **Output Impedance** |
| **Nominal Input Level** | -20 dBu GUITAR<br>+4 dBu (AMP) | INPUT: -20 dBu<br>AUX IN: -10 dBu | Inst: -20 dBu<br>Mic: -40 dBu<br>Aux In:-10 dBu | Inst: -20 dBu<br>Mic: -40 dBu<br>Aux In:-10 dBu | Inst: -10 dBu<br>Mic: -50 dBu<br>Aux: -16 dBu | Inst: 11 dBu max<br>Mic: -7.5 dBu max<br>Aux: 0 dBu max | | | | | | | | | | | +4dbu | +4 dbu | **Nominal Input Level** |
| **Nominal Output Level** | -20 dBu GUITAR<br>+4 dBu AMP | -20 dBu | –20 dBu | -20 dBu | main output: -10 dBu<br>sub output: -10 dBu | 10 dBu | | | | | | | | | | | +4dbu | +4 dbu | **Nominal Output Level** |
| **Comment** | limited echo in loop mode | | upgraded to the RC-20XL | | | minimum loop length 3.5 sec | 4 beat count in, loop length in terms of # bars | play echo with loop | record 2 loops simultanously<br>4 beat count in | true bypass<br>analog | | | true bypass | duel delay looper<br>7 decay rates | Loops can be timed to your playing. 77 Looping modes. 100 preset locations | 150+ song-based presets<br><br>12 Line 6 amp models | The latest 2.1.4 software provides extended functionality – can be downloaded from Yahoo Repeater group files area | 8 simultaneous stereo loops can be independent or synced. Functionality is constantly updated and available to download from the forum | **Comment** |
| **Hack/Mods** | | function mod | | | | | | | | | | | | | | | | | |
| **Manual** | download | download | | download | download | download | link | | download | link | download | download | download | download | download | | Available to download from the Yahoo Repeater group files area | download | **Manual** |

**Ackowledgement: thanks to Simeon for info on the Electrix Repeater and Looperative, Gary for the Riffbox**

**The information here is meant to guide the buyer in an objective way. I have tried to be as accurate as possible, but mistakes may be present.**