



behringer Classic Analog/Digital Drum Machine RD-9 User Guide

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behringer Classic AnalogDigital Drum Machine RD-9 User Guide



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Important Safety Instructions



RISK OF ELECTRIC SHOCK! DO NOT OPEN!



Terminals marked with this symbol carry electrical current of sufficient magnitude to constitute risk of electric shock. Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. All other installation or modification should be performed only by qualified personnel.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure – voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.



Caution

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside. Refer servicing to qualified personnel.



Caution

To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Caution



These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Use only attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



17. Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office, or your household waste collection service.
18. Do not install in a confined space, such as a book case or similar unit.
19. Do not place naked flame sources, such as lighted candles, on the apparatus.
20. Please keep the environmental aspects of battery disposal in mind. Batteries must be disposed-of at a battery collection point.
21. This apparatus may be used in tropical and moderate climates up to 45°C.

LEGAL DISCLAIMER

Music Tribe accepts no liability for any loss which may be suffered by any person who relies either wholly or in part upon any description, photograph, or statement contained herein. Technical specifications, appearances and other information are subject to change without notice. All trademarks are the property of their respective owners. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Oberheim, Auratone, Aston Microphones and Coolaudio are trademarks or registered trademarks of Music Tribe Global Brands Ltd. © Music Tribe Global Brands Ltd. 2021 All rights reserved.

LIMITED WARRANTY

For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty, please see complete details online at musictribe.com/warranty.

RD-9 Hook-up



Upon receipt of your Behringer RD-9, visit the website and download the latest updater application. Connect your unit as above and run the downloaded application to update your unit to the latest firmware.



RD-9 Controls



Controls

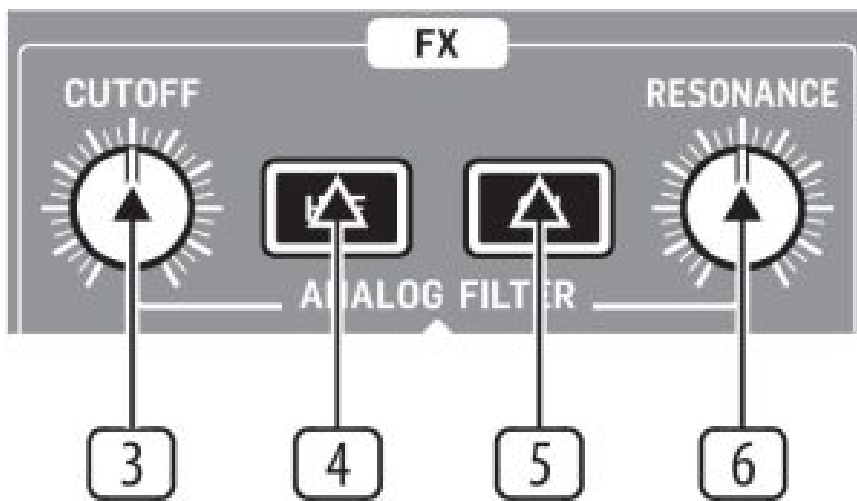
Volume Section



1. **MASTER** – Controls the main output level.
2. **PHONES** – Adjusts the headphones level. Note, the headphones signal is taken before the wave designer and filter bus for monitoring purposes.

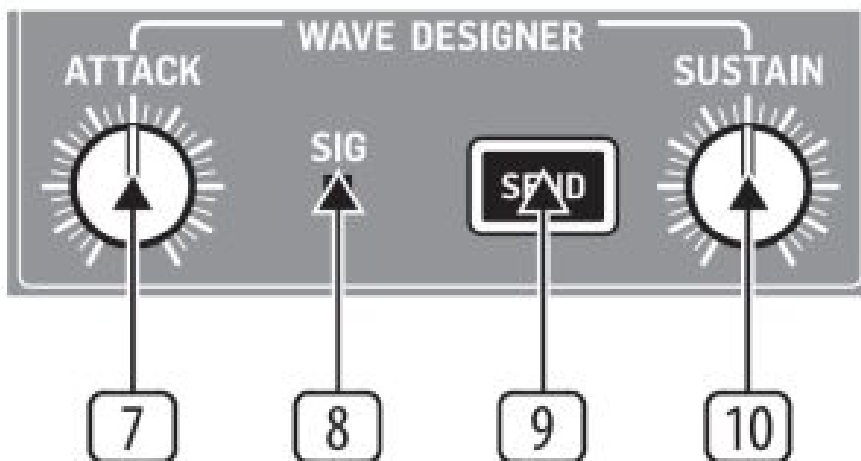
FX SECTION

Analog Filter



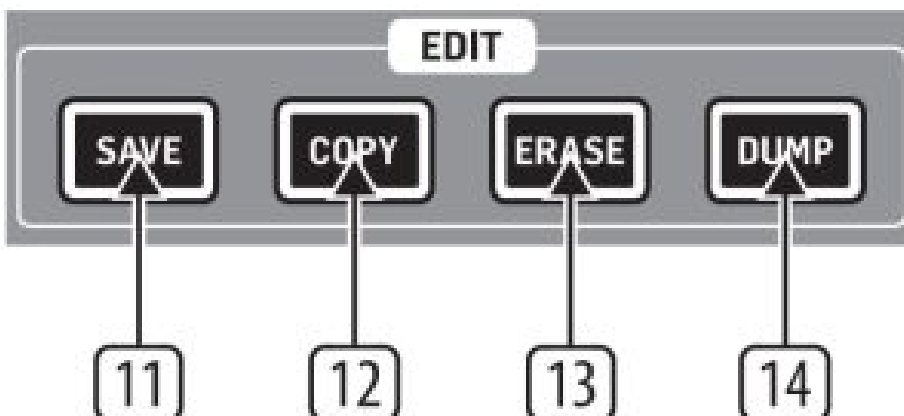
3. **CUTOFF** – Adjusts the cutoff frequency of the filter.
4. **HPF** – Toggle the filter between High Pass Filter (HPF) and Low Pass Filter (LPF).
5. **ON** – Engages the filter when illuminated.
6. **RESONANCE** – Adjusts the resonance of the filter. This emphasises the frequencies around the cutoff point.

Wave Designer



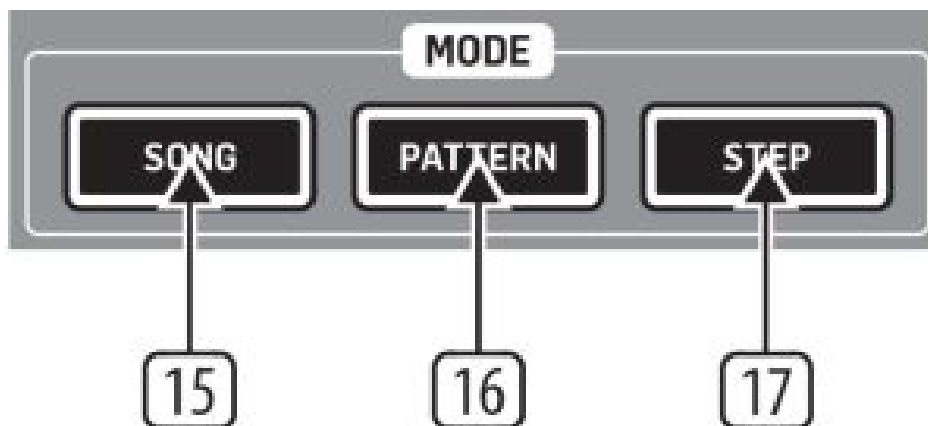
7. **ATTACK** – Controls the attack portion of the wave designer circuit. Turn counter clockwise (CCW) to reduce the attack portion of the signal and clockwise (CW) to enhance the attack.
8. **SIG** – Shows that signal is present in the wave designer circuit.
9. **SEND** – Activates the wave designer assignment menu. The button is illuminated when one or more voices are assigned to this bus.
10. **SUSTAIN** – Controls the sustain portion of the wave designer circuit. Turn CCW to reduce the sustain portion of the signal and turn CW to lengthen the sustain.

Edit Section



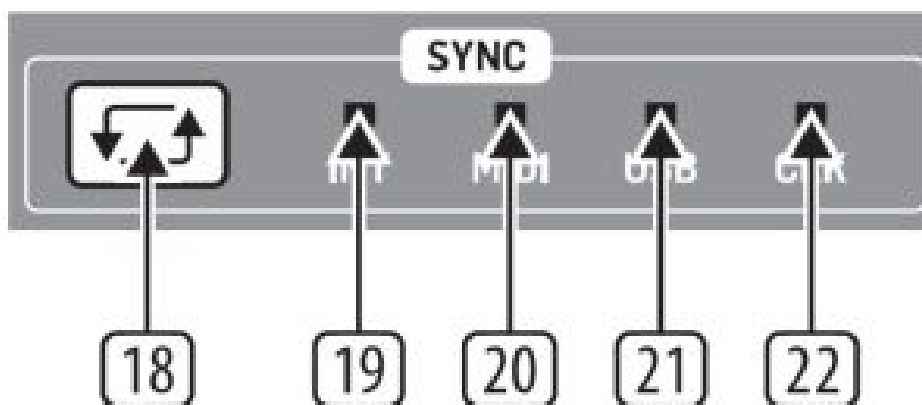
11. **SAVE** – Save a song or pattern to a memory location.
12. **COPY** – Copy a song or pattern to another memory location.
13. **ERASE** – Delete the selected song or pattern.
14. **DUMP** – Performs a MIDI SysEx Dump of pattern/song.

Mode Section



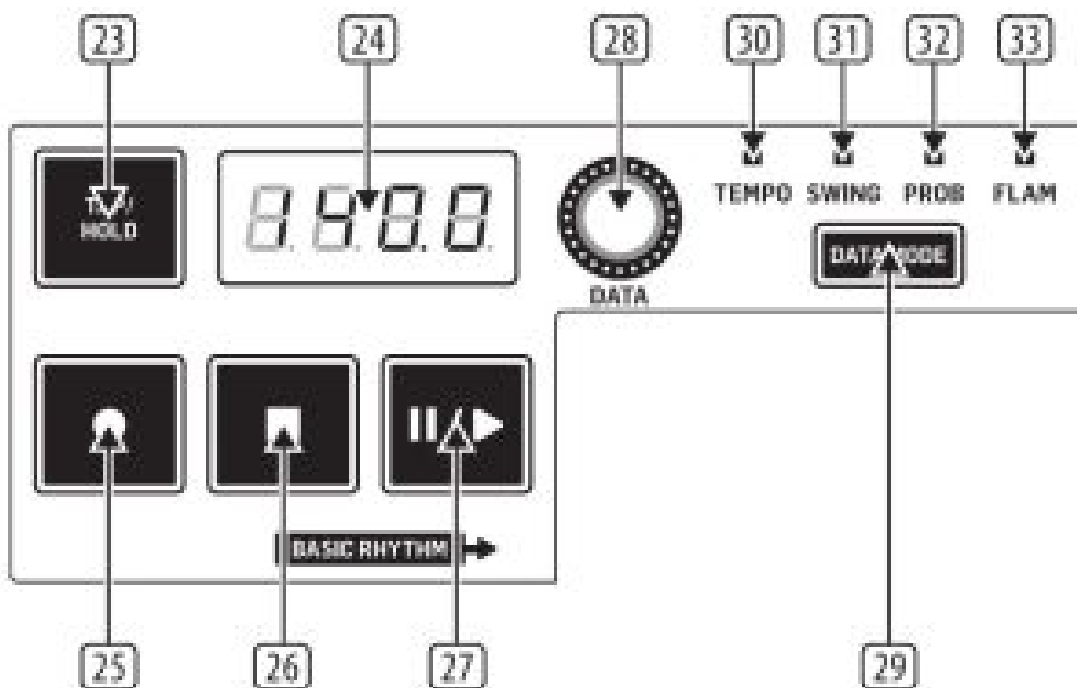
15. **SONG** – Enter song mode. Cue 1 of 16 songs.
16. **PATTERN** – Enter pattern mode. Use the 16 available patterns to build your song.
17. **STEP** – Shows each available step for the selected voice (up to 64 steps per pattern).

Sync Section



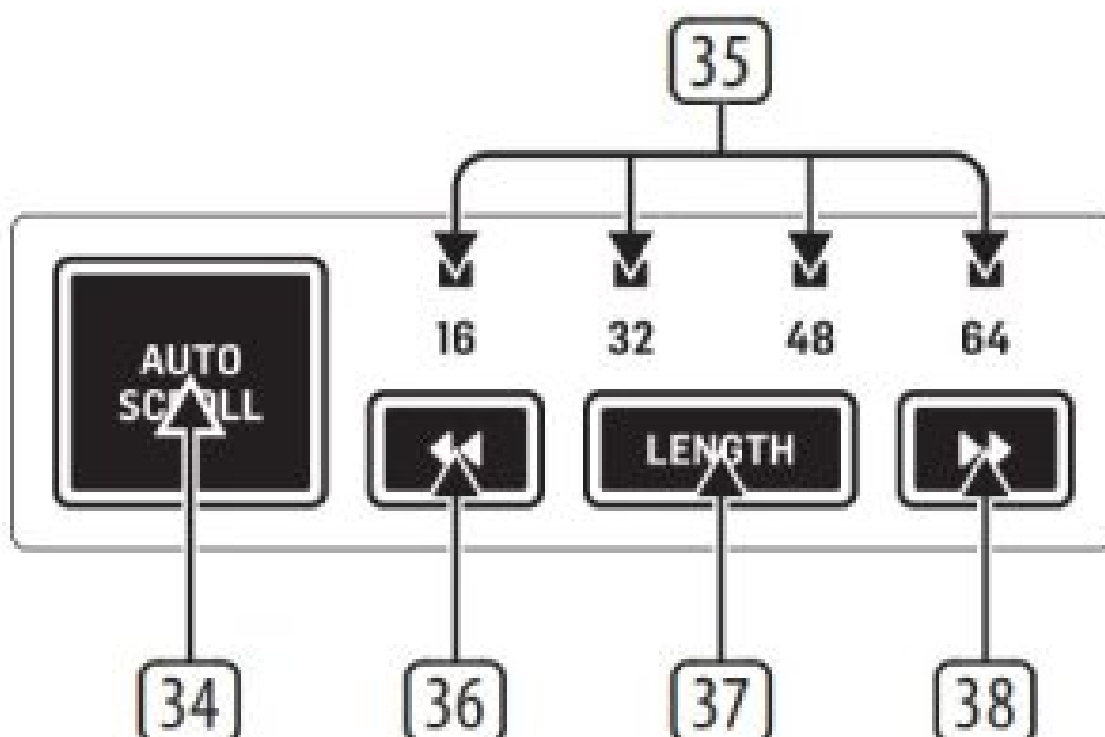
18. **CYCLE** – Cycles through the various SYNC options. Internal, MIDI, USB or External Clock.
19. **INTERNAL** – The unit is the sync master.
20. **MIDI** – Sync is taken from MIDI in port.
21. **USB** – Sync is taken from the USB port.
22. **TRIG** – Sync is taken from the External Clock input.



Playback Controls



- 23. **TAP/HOLD** – Tap tempo of the pattern. Hold for quick macro control.
- 24. **DISPLAY** – Multi function 4-character display.
- 25. **RECORD** – Enable record mode.
- 26. **STOP** – Stops the currently-playing song or pattern.
- 27. **PLAY/PAUSE** – Play or pause the current song or pattern.
- 28. **DATA** – Encoder for data editing.
- 29. **DATA MODE** – Cycles through the various Data Modes: Tempo, Swing, Probability and Flam.
- 30. **TEMPO** – Adjust the tempo when selected with the DATA encoder.
- 31. **SWING** – Adjust the swing or shuffle feeling when selected with the **DATA** encoder.
- 32. **PROB** – Adjust the probability of a step.
- 33. **FLAM** – Adjust the flam width.

Auto Scroll Section

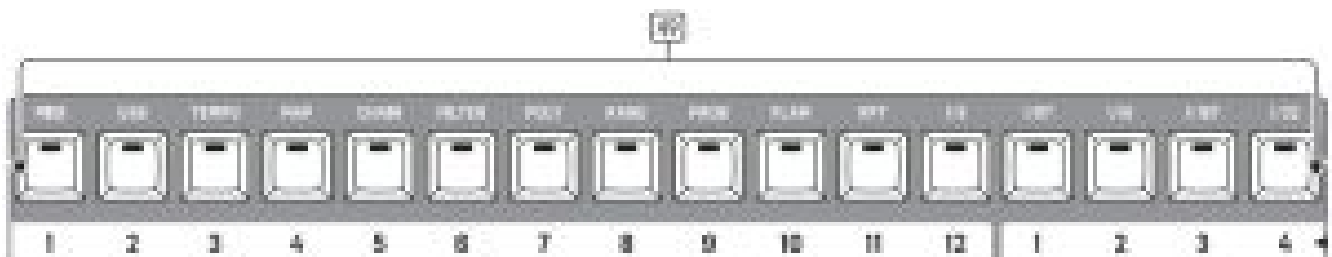


34. **AUTO SCROLL** – Step mode: keep play head visible.
Pattern Mode: advance song when loop expires.
35. **BANKS** 16/32/48/64 – White shows bank position of play head in current pattern. Blue shows currently-viewed bank position.
36.  **Position move left** – Step Mode: choose viewed bank position.
Pattern Mode: choose play head position within selected song.
37. **LENGTH** – Step mode: set the length of the selected pattern.
Pattern Mode: set number of repeats for selected part within the song.
38.  **Position move right** – Step Mode: choose viewed bank position.
Pattern Mode = choose play head position within selected song.

Step & Note Repeat Section

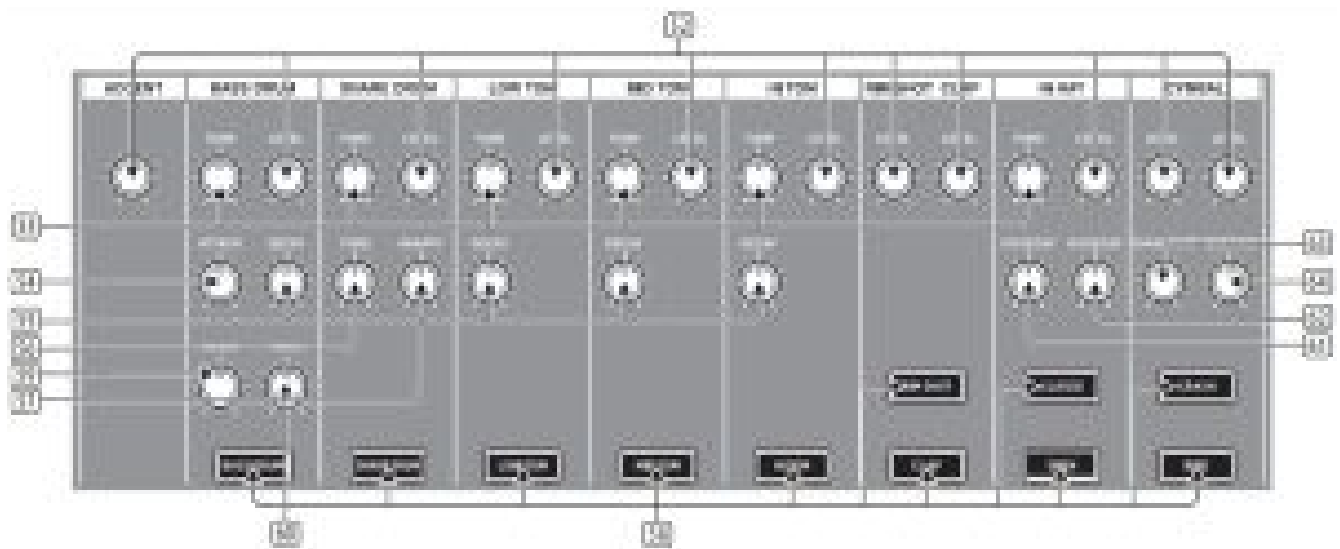
39. **1** – Step or Note repeat of a value of 1.
40. **2** – Step or Note repeat of a value of 2.
41. **4** – Step or Note repeat of a value of 4.
42. **8** – Step or Note repeat of a value of 8.
43. **STEP REPEAT** – Repeats the step by the selected value.
44. **NOTE REPEAT** – Repeats the note by the selected value or single shot.
45. **TRIGGER** – Trigger the selected drum sound or trigger the note/step repeat when either of these modes are engaged.
46. **1/2/4/8** – Indicates the number of repeats selected.

Track Control and Settings



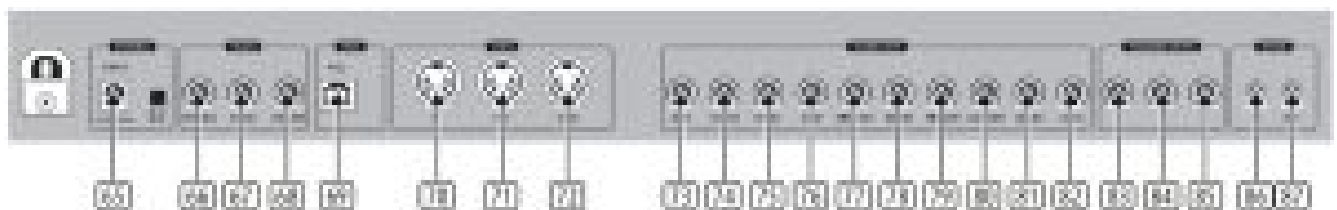
47. **MUTE** – Activates mute menu.
48. **SOLO** – Activates solo menu.
49. **STEP BUTTONS** – Used to input step information into patterns. These also perform various system tasks when used in conjunction with the **SETTINGS** button or for deeper editing.
50. **SETTINGS** – Used in combination with the **STEP BUTTONS** to select different operational modes (see user manual for more details).
51. **AUTOFILL** – Select and add a fill pattern.

Voice Control



52. **LEVEL** – Level control for the 9 voices plus Accent.
53. **TUNE** – Controls the pitch envelope depth applied to the bass drum, changes the pitch of the drum sound for the snare/toms and controls the frequency of the hats, ride and crash.
54. **ATTACK** – Controls the Attack portion of the bass drum sound.
55. **DECAY** – Changes the decay time of the voice. Turn CCW for shorter, CW for longer.
56. **TONE** – Applies a filter to the voice, reducing the high frequencies as you turn CCW.
57. **SNAPPY** – Adjust the amount of snap to the snare sound. Turning CW increases snap.
58. **VOICE SELECT** – Selects the voice for editing patterns, wave designer/filter, soloing or mute.
59. **PITCH DEPTH** – Sets how much the pitch envelope affects the bass drum oscillator.
60. **PITCH** – Sets the frequency of the bass drum oscillator.
61. **CH DECAY** – Changes the decay time of the closed hat voice. Turn CCW for shorter, CW for longer.
62. **OH DECAY** – Changes the decay time of the open hat voice. Turn CCW for shorter, CW for longer.
63. **CRASH TUNE** – Changes the pitch of the crash voice.
64. **RIDE TUNE** – Changes the pitch of the ride voice.

Rear Panel connections



65. **POWER** – Connect the supplied PSU and engage power switch to turn on.
66. **PHONES** – Connect headphones via 6.35 mm (1/4") TRS connector.
67. **MONO** – Main output via 6.35 mm (1/4") TRS connector.
68. **RETURN** – Sums audio post filter bus.
69. **USB** – Connect to a computer for updates and DAW control.
70. **MIDI IN** – Accepts MIDI data from an external MIDI device such as a sequencer or DAW.
71. **MIDI OUT** – Output of MIDI data to an external MIDI device.
72. **MIDI THRU** – A direct output of the MIDI in to chain to other devices.
73. **RIDE INDIVIDUAL OUTPUT** – Unbalanced output of the Ride.
74. **CRASH INDIVIDUAL OUTPUT** – Unbalanced output of the Crash.
75. **HI HAT INDIVIDUAL OUTPUT** – Unbalanced output of the Hi Hat.

76. **CLAP INDIVIDUAL OUTPUT** – Unbalanced output of the Hand Clap
77. **RIM SHOT INDIVIDUAL OUTPUT** – Unbalanced output of the Rim Shot.
78. **HI TOM INDIVIDUAL OUTPUT** – Unbalanced output of the High Tom.
79. **MID TOM INDIVIDUAL OUTPUT** – Unbalanced output of the Mid Tom.
80. **LOW TOM INDIVIDUAL OUTPUT** – Unbalanced output of the Low Tom.
81. **SNARE INDIVIDUAL OUTPUT** – Unbalanced output of the Snare Drum.
82. **BASS INDIVIDUAL OUTPUT** – Unbalanced output of the Bass Drum.
83. **TRIGGER OUT 1** – +5 V 2 ms pulse to trigger external devices.
84. **TRIGGER OUT 2** – +5 V 2 ms pulse to trigger external devices.
85. **TRIGGER OUT 3** – +5 V 2 ms pulse to trigger external devices.
86. **CLOCK IN** – SYNC to external device transmitting clock information.
87. **CLOCK OUT** – SYNC external devices to the Rhythm Designer.

Specifications

Voices	
Number of sounds	11
Type	
Analog	Bass drum, Snare drum, Low tom, Mid tom, Hi tom, Rim shot, Clap
Digital (Sampling)	Closed hat, Open hat , Crash, Ride
Number of simultaneous voices	10
Sound controls	
Accent	Level
Bass drum	Tune, level, attack, decay, pitch, pitch depth
Snare drum	Tune, level, tone, snappy

Low, mid, hi tom	Level, tuning, decay
Rim shot / clap	Level
Hi hat	Tune, level, ch decay, oh decay
Cymbal	Crash level, ride level, crash tune, ride tune
Select buttons	11 Voice select buttons
Connectivity	
Outputs	
Phones	1 x 1/4" TRS, stereo, 8 Ω impedance
Mono	1 x 1/4" TRS, servo-balanced
Voice out	10 x 1/4" TS, unbalanced
MIDI In, Out & Thru	3 x 5-pin DIN
Trigger outs	3 x +5 V, 2 ms pulse
Sync in / out	2 x 1/8" TRS (Tip is clock and Ring is the start message)
USB	Class compliant USB 2.0, type B
Supported operating systems	Windows 7 or higher Mac OS X 10.6.8 or higher

Volume controls	Master, phones
Return (Input)	1 x 1/4" TRS, balanced
Wave Designer	
Bus	10 voices, independently assignable
Controls	
Attack	-15 to +15 dB, adjustable
Sustain	-24 to +24 dB, adjustable
Send button	On/off, switchable
Sig LED	Red
Analog Filter	
Type	State variable, 12 dB slope
Cutoff	10 Hz – 15 kHz, adjustable
Resonance	0 – 10, adjustable
HPF button	LPF / HPF mode, switchable
On button	On / off, switchable

Sync Section	
Mode selector	INT / MIDI / USB / TRIG, selectable
Sequencer Section	
Edit buttons	Save, copy, erase and dump
Mode buttons	Song, pattern and step
Control	Encoder for data editing
Playback controls	Tap / hold, record, stop, play / pause
Data mode	Tempo / swing / prob / flam, selectable
Auto scroll	On / off, rewind, length (16 / 32 / 48 / 64, selectable), fast forward
Trigger	On / off, repeat division (1 / 2 / 4 / 8, selectable), step repeat, note repeat
Track	Mute / solo, selectable
Step buttons	16 step enter buttons
Settings	
Settings	Enter settings mode, use step buttons to select operation.

Autofill	
Autofill	Enter autofill selection mode
Songs / Storage	
Song mode	Chain any of the 16 songs together for full sets
Pattern / Storage	
Capacity	16 songs, 16 patterns each
Steps	64 steps
Power Supply	
External power adapter	18 V DC, 1000 mA
Power consumption	14.4 W typical
Environmental	
Operating temperature range	5°C to 40°C (41°F to 104°F)
Physical	
Dimensions (H x W x D)	78 x 477 x 264 mm (3.1 x 18.8 x 10.4")
Weight	3.0 kg (6.6 lbs)

Other important information

1. Register online. Please register your new MusicTribe equipment right after you purchase it by visiting musictribe.com. Registering your purchase using our simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.
2. Malfunction. Should your MusicTribe Authorized Reseller not be located in your vicinity, you may contact the MusicTribe Authorized Fulfiller for your country listed under "Support" at musictribe.com. Should your country not be listed, please check if your problem can be dealt with by our "Online Support" which may also be found under "Support" at musictribe.com. Alternatively, please submit an online warranty claim at musictribe.com BEFORE returning the product.
3. Power Connections. Before plugging the unit into a power socket, please make sure you are using the correct mains voltage for your particular model. Faulty fuses must be replaced with fuses of the same type and rating without exception

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible Party Name: Music Tribe Commercial NV Inc.

Address: 5270 Procyon Street,

Las Vegas NV 89118,

United States

Phone Number: **+1 702 800 8290**

RD-9

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Important information:

Changes or modifications to the equipment not expressly approved by Music Tribe can void the user's authority to use the equipment.

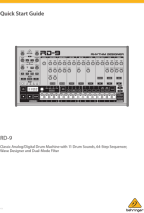
Hereby, Music Tribe declares that this product is in compliance with Directive 2014/35/EU, Directive 2014/30/EU, Directive 2011/65/EU and Amendment 2015/863/ EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC.

Full text of EU DoC is available at <https://community.musictribe.com/>

EU Representative: Music Tribe Brands DK A/S

Address: Ib Spang Olsens Gade 17, DK – 8200 Aarhus N, Denmark

Documents / Resources

	<p>behringer Classic Analog/Digital Drum Machine RD-9 [pdf] User Guide behringer, RD-9, Classic, Analog, Digital, Drum, Machine, 11 Drum, Sounds, 64-Step, Sequencer, Wave Designer, Dual-Mode, Filter</p>
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References

- [m Music Tribe](#)
- [m Home - Music Tribe Community](#)
- [m Music Tribe](#)