

The RM1x for Performance

Whether you use any of the RM1x's 960 preset patterns, patterns you have created yourself using the RM1x, or patterns loaded from a separate sequencer or music computer, the RM1x gives you unprecedented control and flexibility for realtime performance. You can instantly switch between 16 "sections" included in each pattern simply by tapping keys on the RM1x's large keyboard and use the 8 realtime controller knobs to bend, twist, and shape your sound on the fly. It's a snap to mute and un-mute tracks during playback. In fact, a single RM1x is all you need to keep the dance floor jumping all night long. Furthermore, you can combine the RM1x with other MIDI-compatible music gear for even greater versatility. Either way, the RM1x is bound to end up being your main remix machine.

The RM1x for Production

If you're into serious music production as well as real-time tweaking, the RM1x gives you everything you need. In addition to a top-quality tone generator with 700 voices which can be edited to create precisely the sound your grooves require, the RM1x features a fully-blown, powerful sequencer that lets you create and edit original patterns with total control. You can record original material by using a variety of record modes-realtime replace, realtime overdub, punch-in, step, and grid. These modes are designed to work for many different types of musicians. The grid mode, in particular, provides a programming interface that many artists with a DJ background will already be familiar with. You can then edit the recorded material with extraordinary precision and add effects to polish and refine the final sound. Of course, the fact that the RM1x is MIDI compatible and includes a full complement of MIDI functions makes it an ideal core device for a sophisticated MIDI dance production system.



Rear Panel



Style List

Style#	Category	Display	Style Name	BPM
1	Dance / Techno	PSYCHE1	Psychedelic Trance 1	162.0
2		PSYCHE2	Psychedelic Trance 2	141.0
3		PSYCHE3	Psychedelic Trance 3	145.0
4		TRANCE	Trance	146.0
5		MINIMAL	Minimal Trance	150.0
6		BREAK1	Breakbeats Trance 1	130.0
7		BREAK2	Breakbeats Trance 2	136.0
8		GABBA	Gabba	188.0
9		BIGBEAT1	Big Beat 1	120.0
10		BIGBEAT2	Big Beat 2	135.0
11		BIGBEAT3	Big Beat 3	132.0
12		BIGBEAT4	Big Beat 4	124.0
13		DETROIT1	Detroit Techno 1	143.0
14		DETROIT2	Detroit Techno 2	136.0
15		VIN ACID	Vintage Acid	133.0
16		BLEEP	Bleep Techno	124.0
17		EUROTECH	Euro Techno	132.0
18		EPIC1	Epic Trance 1	138.0
19		EPIC2	Epic Trance 2	150.0
20		HARDCOR1	Hardcore 1	160.0
21		HARDCOR2	Hardcore 2	160.0
22		HARDCOR3	Hardcore 3	165.0
23		BERLIN	Berlin Techno	134.0
24		ELEKTRO1	Elektro 1	137.0
25		ELEKTRO2	Elektro 2	129.0
26	Drum'n'Bass	CYBER DB	Cyber Drum'n'Bass	170.0
27		HARDSTP1	Hard Step 1	165.0
28		HARDSTP2	Hard Step 2	180.0
29		HARDSTP3	Hard Step 3	92.0
30		DARKCORE	Darkcore	164.0
31		TECHSTEP	Tech Step	164.0
32		ARTCORE1	Artcore 1	155.0
33		ARTCORE2	Artcore 2	160.0
34		JAZZSTP1	Jazz Step 1	152.0
35		JAZZSTP2	Jazz Step 2	170.0
36		JUMPUP	Jump Up	170.0
37	RAGGA	Ragga Jungle	170.0	
38	Ambient	AMBIENT1	Ambient 1	109.0
39		AMBIENT2	Ambient 2	82.0
40		AMBIENT3	Ambient 3	120.0
41		AMBIENT4	Ambient 4	80.0
42	Dub	DUB 1	Dub 1	140.0
43		DUB 2	Dub 2	130.0
44	Ethnic	ETHNIC	Ethnic Dance	110.0
45	House	HOUSE	House	123.0
46		HARD HUS	Hard House	127.0
47		GARAGE	Garage House	130.0
48		NY HOUSE	NY House	128.0
49		BERL HUS	Berlin House	127.0
50		DUB HUS	Dub House	132.0
51		PROGRES1	Progressive House 1	137.0
52		PROGRES2	Progressive House 2	140.0
53		EPIC HUS	Epic House	125.0
54		POP	Pop House	132.0
55	DISCO	Disco House	132.0	
56	Hip-Hop	HIP EAST	Hip-Hop East	96.0
57		HIP WEST	Hip-Hop West	90.0
58		ABSTRACT	Hip-Hop Abstract	86.0
59		HIP JAZZ	Hip-Hop Jazz	106.0
60	Jazz	ELECJAZZ	Electric Jazz	110.0

Specifications are subject to change without notice.

For details please contact:

Phrase Category

Phrase Category	Display	Category Name	Phrase Category	Display	Category Name
US	User	User	CH	SynthChord	Synth Chord
BD	Bass Drum	Bass Drum	PD	Synth Pad	Synth Pad
SD	SD/Clap	Snare Drum / Clap	FX	Synth Efx	Synth Effects
HH	HH/Ride	Hi-Hat / Ride Cymbal	SE	SE	Sound Effects
CR	CrashCym.	Crash Cymbal	KB	Keyboard	Keyboard
PC	Percussion	Percussion	GT	Guitar	Guitar
BA	Bass	Bass	CW	Clasc/Wind	Classical / Wind
LD	Synth Lead	Synth Lead	ET	Ethnic	Ethnic
SQ	Synth Seq.	Synth Sequence			

Specifications

Sequencer	
MEMORY CAPACITY	110,000 notes
TIMING RESOLUTION	1/480 quarter-note
POLYPHONY	Maximum 64 simultaneous notes
TEMPO	25.0-300.0
RECORDING METHODS	Realtime (Replace, Overdub, Punch-in), Step, Grid Step
SEQUENCER TRACKS	16 tracks
TRACKS PER PATTERN	16 tracks
PRESET PATTERNS	960 (60 styles x 16 sections)
USER PATTERNS	800 (50 styles x 16 sections)
PRESET PHRASES	7,726
USER PHRASES PER STYLE	256
PATTERN CHAINS	20 songs
SONGS	20 songs
EDIT	Song edit, Phrase edit
JOBS	36 pattern jobs, 8 pattern chain jobs, 28 song jobs
SPLIT	Split song, Split pattern
GROOVES	Grid Grooves (Note Offset, Clock Shift, Gatetime Offset, Velocity Offset)
PLAY EFFECTS	Play Effects (Beat Stretch, Clock Shift, Gatetime, Velocity Offset) Harmonize (Unison, Octave, Harmonize 1, Harmonize 2)
MIDI DELAY	MIDI Delay edit, Feedback edit
ARPEGGIOS	Type (Up, Down, Alternate 1, Alternate 2, Random), Sort, Hold, Octave Range
SEQUENCE FORMATS	RM1x format, SMF (Format 0)

Tone Generator

TONE GENERATION	AWM2
POLYPHONY	Maximum 32 simultaneous notes
MULTI-TIMBRAL	Maximum 16 timbres (last-note priority with element reserve, DVA)
PRESET VOICES	654 normal voices, 46 drum-kit voices(excl. GM normal voices and GM drum-kit voices)
EFFECTS	11 Reverb types, 11 Chorus types, 43 Variations
DIGITAL LOW BOOST	±24dB/50Hz-2.0kHz

General

DISPLAY	64x240-dot backlit graphic LCD (adjustable contrast)
CONNECTORS	PHONES, OUTPUT x 2 (L/MONO,R), FOOT SWITCH, DC IN, MIDI IN, MIDI OUT
DISK STORAGE	3.5-inch 2DD/2HD floppy disk drive
POWER SUPPLY	YAMAHA PA-5C or equivalent AC adaptor
DIMENSIONS	420(W) x 282(D) x 98(H) mm
WEIGHT	4.4 Kg
INCLUDED ITEMS	Demo Disk, YAMAHA PA5C or equivalent AC adaptor
OPTIONS	Footswitch (YAMAHA FC4 or FC5)



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Back

RM1x

SEQUENCE REMIXER



An Inspired Sequence Remix Workstation for Performance & Production

The Main Features In Brief

- An extensive arsenal of **700** outstanding dance-oriented sounds.
- An awesome assortment of **50** preset styles, **960** patterns and **7,726** phrases.
- **8** assignable real-time control knobs, a large LCD display panel with **4** display knobs and a large multi-function keyboard.
- Each “style” has up to **16** “sections” which can be switched in real time during playback via the RM1x keyboard.
- Powerful **16-track** sequencer with **110,000-note** memory and **480** clocks/quarter note resolution lets you record original material via the RM1x keyboard or an external MIDI keyboard using a versatile range of record modes: realtime replace, realtime overdub, punch-in, step, and grid.
- In-depth sequence editing functions make it possible to create and refine complex patterns and musical textures with extraordinary precision.
- Edit and refine the RM1x voices to create sounds that most ideally suit your own music.
- A sophisticated multi-effect system can be used to add anything from subtle ambience to wild variations.
- Realtime “Play Effects” including harmonize with unison and octave functions, beat stretch, clock shift, gate time, and velocity offset.
- Built-in floppy disk drive for convenient, low cost data storage and retrieval.
- Full MIDI compatibility.

The incredible Yamaha RM1x is a complete dance-music workstation that is both a real-time performance instrument and a powerful production tool. An intuitive “hands-on” interface makes realtime operation easy for artists with a DJ background, while in-depth sequencing and editing functions make it possible to create the most complex original patterns from scratch. The RM1x also features a great-sounding tone generator with an enormous selection of great dance sounds built in.

If dance is your style and you want the most powerful performance and production tools right at your fingertips, it doesn't get much better than this: the Yamaha RM1x Sequence Remixer

1 LCD Display, Display Knobs & Function Buttons

The RM1x's backlit LCD display panel is undoubtedly the largest and most comprehensive available on a production tool in its class, making operation extraordinarily easy and efficient - and it even has a cool-looking “negative” display mode. Whether you're editing detailed sequence parameters, adjusting track pan or volume, or tweaking effect send levels, the RM1x display and control interface offer unprecedented ease and efficiency. The four knobs and function buttons located immediately below the display directly control the corresponding parameters on the display. No need for time-consuming incrementing or decrementing of numbers when you're in the middle of a show or trying to turn a creative brainstorm into real sound — just grab a knob and turn to get the effect you want.



2 Real Time Controller Knobs

One of the features that makes the RM1x a great performance tool is its real-time controller knobs that let you tweak the corresponding parameters in real time during playback. The knobs can be set to sweep filter cutoff frequency, bend pitch, add and modify effects, or control just about any available parameter. In addition to on-the-fly non-destructive parameter control during playback, edits you make with the controller knobs can actually be recorded in real time, or applied to the sequence data later by using the appropriate editing job. The fact that you can hear the results as you are recording or editing makes it easier than ever to pinpoint the groove you're after. Whether you're editing material originally created on the RM1x or “remixing” MIDI sequence data created on other equipment, the RM1x offers easy, intuitive control that can lead to truly inspired creations.

A complement of 8 controller knobs means you have instant access to multiple parameters, and you can control more than one parameter at the same time. There's also a KNOB button which switches between two sets of parameters for all 8 knobs. The parameters listed on the panel are the default assignments, but other parameters can be assigned as required. In addition to controlling internal RM1x parameters these knobs also transmit MIDI control change data - ideal for real-time control of other external MIDI instruments and devices.

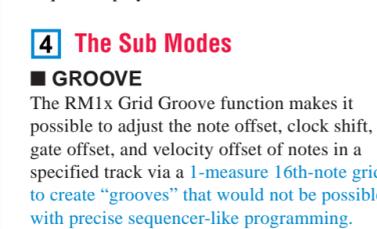
3 The Main Modes

■ **PATTERN & PATCH**
The PATTERN mode provides access to most of the RM1x's performance and recording functions as well as the powerful, convenient PATCH function. The PATCH function makes it easy to select phrases from the huge selection

of 7,726 provided with the RM1x, or phrases you've recorded yourself, and “patch” them together to create complete patterns. This ability to mix and match a variety of rhythm, bass, and chordal/melodic phrases lets you create a virtually unlimited range of new patterns quickly and easily.

4 The Sub Modes

■ **GROOVE**
The RM1x Grid Groove function makes it possible to adjust the note offset, clock shift, gate offset, and velocity offset of notes in a specified track via a 1-measure 16th-note grid to create “grooves” that would not be possible with precise sequencer-like programming.



■ **HARMONIZE PLAY EFFECT**
The Harmonize feature adds considerable flexibility to the RM1x play effects by allowing unison harmonization to create deliberate out-of-phase effects, octave harmony, and the addition of 2 parallel harmony lines.

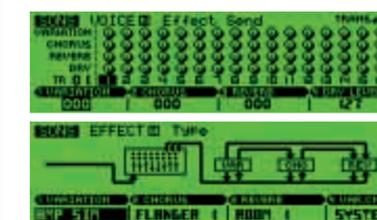


5 ARPEGGIO

The ability to create simple arpeggios via an easy-to-use grid interface adds greatly to the versatility and depth of the RM1x. In addition to data transmission via MIDI, it can be recorded to the internal sequencer.

6 EFFECT

Detailed effect editing to add the finishing touches to your sound with Yamaha's professional studio-quality reverb, delay, modulation, distortion, and an extensive range of other effects.



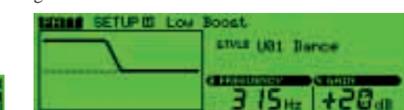
7 VOICE EDIT

This sub mode provides access to in-depth voice editing parameters that you can use to customize voices for your own personal sound. A comprehensive range of envelope generator, LFO, filter, and other parameters make it a breeze to match the RM1x sound to your music.



8 SETUP

The SETUP sub mode includes a LOW BOOST function with a wide 24dB range for ground-shaking bass (mind those speakers - low boost is POWERFUL!), knob assignment for the RM1x's real-time control knobs, and individual output channel assignments for the internal tone generator and MIDI transmission.



9 JOB

The JOB sub mode gives you access to the RM1x's extensive range of PATTERN, PATTERN CHAIN, and SONG jobs. The PATTERN mode, for example, offers a range of 36 jobs to perform functions such as quantization, transposition, creating crescendos and glides, creating rolls, copying patterns, and much, much more.

10 TAP/ENTER Button

Tap BPM entry lets you define tempos the way you feel them rather than with numbers.

11 Multi-function Keyboard & Mode Buttons

This 26-note keyboard makes it possible to program the RM1x without having to connect an external MIDI keyboard. It's even polyphonic (the RM1x has 64-note polyphony), so you can directly enter chords as well as single notes. The keyboard also acts as an easy-to-use real-time interface for a range of functions including track selection, transposition, numeric data entry, track mute/solo, and section selection. This system makes operation super-efficient so you can quickly transpose pitch or mute tracks, for example, without dropping a beat. The “black keys” also perform a range of other functions, such as selecting specific mute track ranges and memorizing a number of track mute setups. The mute memory function lets you specify groups of tracks which can then be instantly muted or un-muted by pressing a single key.

12 Floppy Disk Drive

You can conveniently save and load RM1x data at any time and load SMF (Standard MIDI File) data created on other sequencers or computer-based systems. You can then use the RM1x's editing features and/or realtime control capabilities to “remix” the data to create the groove you require.

