

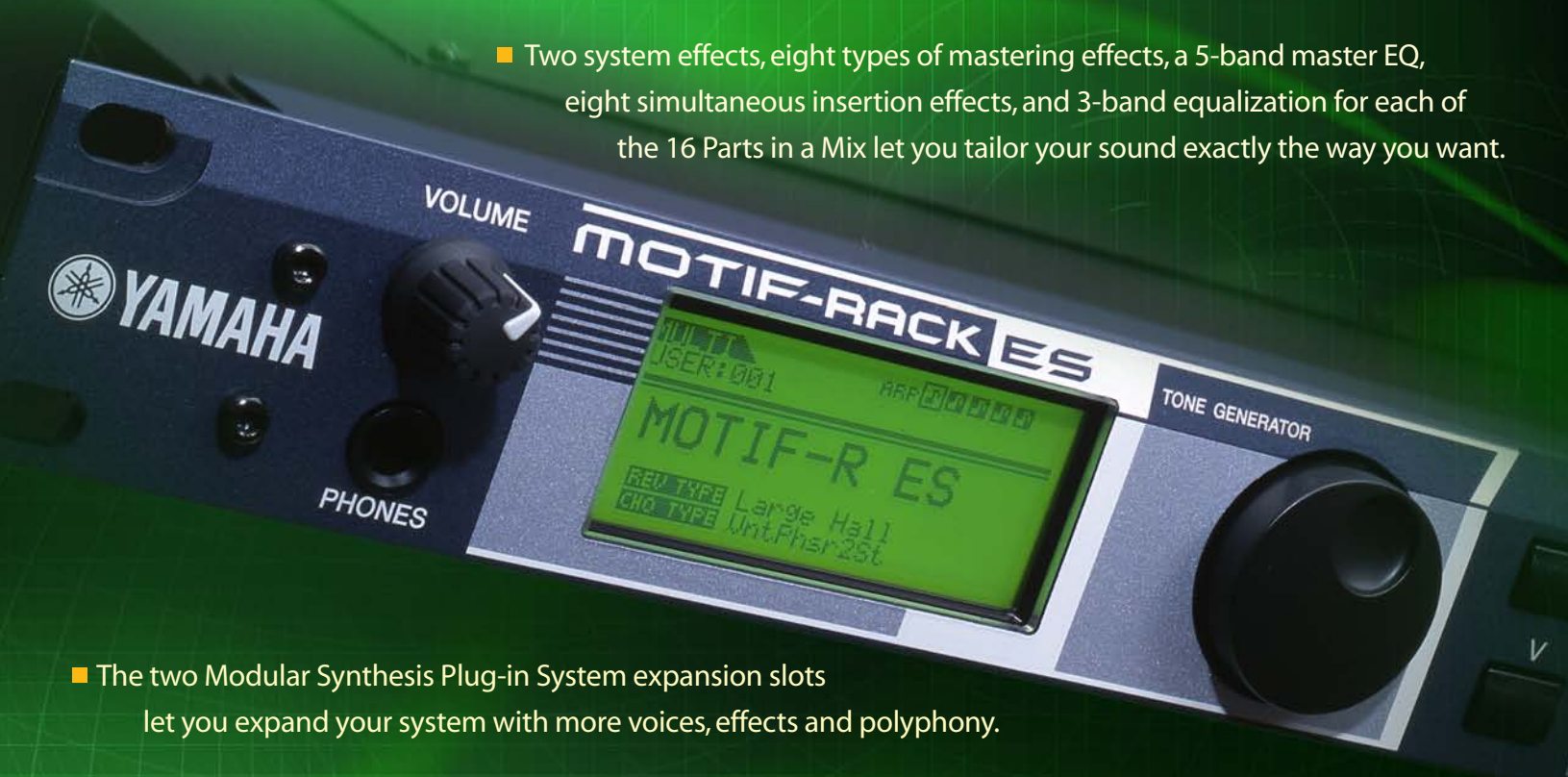


TONE GENERATOR

MOTIF-RACK ES

Instant Inspiration!

- You need lots of sonic choices from authentic to innovative, that's why there are 1,152 Voices and 65 different drum kits in the MOTIF-RACK ES.
- With the most advanced synthesis on the market, MOTIF-RACK ES' 128-note polyphony, 16-part Mix architecture and 32 multi-libraries ensure you have all the flexibility you need.
- Two system effects, eight types of mastering effects, a 5-band master EQ, eight simultaneous insertion effects, and 3-band equalization for each of the 16 Parts in a Mix let you tailor your sound exactly the way you want.



- The two Modular Synthesis Plug-in System expansion slots let you expand your system with more voices, effects and polyphony.
- 128 programmable performances that layer and split up to four voices will start your creativity flowing.
- A USB Port, digital I/O and Studio Connections Recall compatible software editors, let you easily integrate the MOTIF-RACK ES into your computer music system.



**MODULAR SYNTHESIS
PLUG-IN SYSTEM**

STONE GENERATOR

MOTIF-RACK ES

Sonic Inspiration – From authentic emulation to creative innovation

The MOTIF-RACK ES delivers a massive collection of studio quality sounds for a wide variety of musical genres. The 1,152 voices and 65 drum kits are easily accessible via the front panel Category Search function. From the Emulative Sounds of acoustic piano and orchestra to the Extreme Synthesis of cutting-edge hip-hop and electronica, the MOTIF-RACK ES delivers the sonic power you need. Performances that layer and split up to four voices and over 1,700 arpeggios from realistic guitar strumming, to drum grooves to classic techno riffs, inspire new musical ideas to get your creativity flowing.

Flexible Architecture to meet all your synthesis needs

Thanks to Yamaha's advanced synthesis technology, the MOTIF-RACK ES tone generator boasts 128-note polyphony and 16 Mix Parts so it's an ideal multi-timbral sound source. The synth engine offers 18 different filter types and faster, more precise envelope controls. There are even Mix Voices so you can edit and create your own voices while listening to your songs and store them right along with the song data.

More Effects give you more control over your music

The MOTIF-RACK ES has more effects than any other rack module available today. In Mix Mode, you can use eight dual insertion effects simultaneously. For instance, you can have a rotary effects on the organ, distortion on the backing guitar, delay plus overdrive on the guitar solo, compressor and EQ on the bass, and a unique reverb on the drums and still have plenty of insertion effects left over. The Two System effects let you add just the right amount of reverb and chorus/delay to any Part via the effect sends and returns. After putting everything together, the 3-band EQ for each Part lets you get just the right tonal balance in your mix. Finally the eight types of master effects (including multi-band compression) and 5-band master EQ, give your finished productions the same professional-quality mastered sound as commercially produced CDs.

Specifications

Tone Generator	Tone Generator	AWM2 (complying with the Modular Synthesis Plug-in System)
Section	Maximum polyphony	128 notes + the polyphony of the Plug-in Board (if installed)
	Wave Memory	175MB (when converted to 16-bit linear format), 1,859 waveforms
Voice	Voice Selection	Preset: 768 Normal Voices + 64 drum Kits GM: 128 Normal Voices + 1 drum kit User: 384 (Bank 1 & 3: Original, Bank 2: Pick up from preset) Normal Voices + 32 drum kits
	Plug-in Voice	Preset for the PLG150-AN/DX/PF/AP/DR/PC: 64 Voices Preset for the PLG-150VL: 192 Voices User: 64 Voices for each Plug-in connector
	Multi	User: 128 Multis
Effect	Reverb	20 types
	Chorus	49 types
	insertion 1	116 types (up to 8 blocks available in the Multi mode)
	insertion 2	116 types (up to 8 blocks available in the Multi mode)
	Master Effect	8 types
	Master Equalizer	5 bands (High, High Mid, Mid, Low Mid, Low)
	Part Equalizer	3 bands (High, Mid, Low)

Studio Connections Recall Editors integrate hardware and software

The MOTIF-RACK ES was designed to integrate seamlessly into the software-based music production environment. Voice Editor and MultiPart Editor software let you take full computer control over your MOTIF-RACK ES. You can edit and store voices and mixes using the graphic visual editing on your computer. But even more important, these editors are Studio Connection Recall compatible. That means you can open them directly inside of DAW software like Steinberg's Nuendo and Cubase 3.0. When you save your DAW project, all the settings for MOTIF-RACK ES are stored along with your song. When you re-open the project file, you can synchronize your studio and automatically recall all the settings for your entire studio — both hardware and software.

* Visit www.yamahasyth.com for the latest information on these applications.

Customize your music production system

The MOTIF-RACK ES supports Yamaha's Modular Synthesis Plug-in System, so you can add up to two plug-in boards to the unit and add more voices, more effects, and even polyphony to your system.



Digital Interfacing Standard

The MOTIF-RACK ES features all the digital interfacing you need right on-board. In many applications, you'll want to come out of the MOTIF-RACK ES in the digital domain and connect directly to other digital gear. Stereo S/PDIF digital outputs (coaxial and optical) allow you to connect to a wide variety of computers and music production products. The USB TO HOST connector gives multi-port MIDI connectivity to your computer. For those who want to connect via analog, the MOTIF-RACK ES features a total of six analog outputs for connecting to external mixers and effect processors.



Arpeggio		1,787 types * MIDI Sync, MIDI transmit/receive channel Velocity Limit, and Note Limit can be set.
Controls		STANDBY/ON switch, VOLUME knob, data dial, cursor buttons, EXIT button, PAGE buttons, MUTE/SEL/ENTER button, Part/Element buttons, BANK buttons, SHIFT button, CATEGORY button, Mode buttons
Jack and Terminals	Front Panel	PHONES
	Rear Panel Controls	DC IN, USB, MIDI IN/OUT/THRU/ DIGITAL OUTPUT, OPTICAL OUTPUT, ASSIGNABLE OUTPUT 1-4, OUTPUT L/MONO, R
Other	Top panel	PGL1, PGL2
	Display	160-x 64-dot graphic backlit LCD
	Supplied Accessories	Power adaptor, Owner's Manual set, CD-ROM
	Power Consumption	17W (maximum); 22W when two Plug-in Boards are installed
	Optical/Digital Output	44.1kHz, 24bit
	Dimensions	480 (w) x 372.4 (D) x 44 (H) mm
	Weight	4.1kg

* Specifications and appearance subject to change without notice.

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