Absolute Power to Fuel Your Creativity.

The Fantom-XR brings powerful sampling and synthesis to a convenient 1U rack module. With room for over 1GB of sounds, this affordable module sets a new standard for expandability. The 128MB internal wave ROM includes expressive new Patches like an 88-key split piano, plus room for six SRX expansions. Full-blown user sampling is also supported, along with .WAV/AIFF compatibility for loading samples via USB. And with PC Card storage, the Fantom-XR makes backing up data quick and easy.

COSM

GENERAL MIDI 2

USB

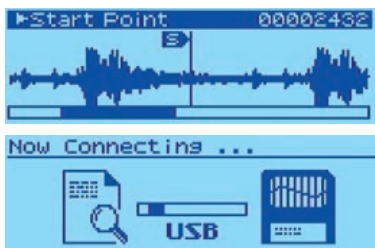*Product pictured is a prototype model.

- ■ 1U rackmount synthesizer/sampler with capacity for over 1GB of sounds

- ■ 128-voice polyphony and expressive 4-tone stereo multiplex synthesis

- ■ Flexible user sampling with .WAV/AIFF compatibility

- ■ 128MB wave ROM expandable to 512MB via 6 optional SRX boards

- ■ 16MB sample memory expandable to 528MB with optional DIMMs

- ■ 3 MFX processors, plus separate reverb, chorus and mastering effects

- ■ USB port and optional PC Card storage with up to 1GB capacity

- ■ 2 stereo (4 mono) analog outputs, stereo analog input, plus S/PDIF digital I/O

New 128-Voice Sound Engine

Like the Fantom-X keyboards, the Fantom-XR module is based on Roland's powerful new sound generator chip. This chip delivers maximum audio processing performance at a great price—including an expressive stereo 4-tone synthesis engine with 128-voice polyphony. The internal 128MB wave ROM includes quality-focused waveforms—like Roland's amazing 88-key split piano (a multi-stage velocity-switched stereo sampled piano), lively new string ensembles, fat drum sounds and more—recorded using world-class studios and renowned engineers like Dan Blessinger (Martinsound). The internal wave ROM can be expanded up to 512MB using six optional SRX-Series expansions. No other module boasts this kind of sound library!

User Sampling and More

Out of the box, the Fantom-XR ships with a 16MB sample memory for loading .WAV/AIFF files via USB or for recording your own sounds via the analog and digital inputs. A host of sample editing tools—including a Wave Edit screen, Chop function and real time timestretching—give you plenty of control over your samples. And by adding optional DIMM memory, you can load up to 528MB of audio into the Fantom-XR. Combined with a fully expanded wave ROM, that's over 1GB of sounds! Editor software will be bundled for detailed Patch editing and backing up data is easy using optional PC Cards (up to 1GB) or via USB.

■ LCD Display Example

Made for Sequencing

Even without an internal sequencer, the Fantom-XR's 128 voices and capacity for over 1GB of waveforms make it the perfect module for use with a computer or hardware sequencer. In fact, it boasts the same tight integration of audio and MIDI as its keyboard cousins, but with greater expandability. Just MIDI it up to your sequencer of choice, and let the Fantom-XR automatically sync up all your audio loops to tempo using a high-quality real-time timestretching algorithm. You can even record linear audio phrases and play them back from RAM like a digital recorder!

Studio-Quality Effects and Mastering Tools

The Fantom-XR boasts the same powerful effects processing found in the Fantom-X keyboards—including three multi-effects processors that can be freely configured, plus separate reverb and chorus processors. The multi-effects are extremely powerful with algorithms ranging from COSM® Guitar Amp Modeling and Lo-Fi processing to tempo-synced delay, Slicer, Isolator and more. A dedicated Mastering processor serves up tools like multi-band compression to give your music a tighter, punchier sound.

The Simplicity of USB

The onboard USB port can be used as a USB-MIDI interface—perfect for sequencing the Fantom-XR from a computer. USB also makes for a great way to transfer audio files to and from the module—just connect a cable, then drag and drop away. The Fantom-XR can import and export .WAV and AIFF files, making it compatible with a wide variety of sounds available on CD-ROM and via the Internet. Give your music a serious sonic upgrade with the Fantom-XR.

Fantom-XR Specifications

[Sound Generator Section] ■ **Maximum Polyphony** 128 voices (shared with the sampling section) ■ **Parts** 16 parts ■ **Wave Memory** 128 MB (16-bit linear equivalent) ■ **Waveforms** 1,436 ■ **Preset Memory** Patches: 1,024 + 256 (GM2), Rhythm Sets: 40 + 9 (GM2), Performances: 64 ■ **User Memory** Patches: 256, Rhythm Sets: 32, Performances: 64 ■ **Card Memory (PC card)** Patches: 256, Rhythm Sets: 32, Performances: 64 ■ **Effects** Multi-Effects: 3 systems, 78 types, Chorus: 3 types, Reverb: 5 types, Input Effect: 6 types, Mastering Effect: 3 bands Compressor **[Sampling Section]** ■ **Data Format** 16-bit linear (File Type: .WAV/.AIFF) ■ **Sampling Frequency** 44.1 kHz (fixed) ■ **Maximum Sampling Time** Standard: 16 MB (mono: 180 sec. approx., stereo: 90 sec. approx.), Maximum (expanded with DIMM): 528 MB (mono: 99 min. approx., stereo: 49 min. approx.) ■ **Number of Samples** User memory: 2,000 (maximum total approximately 16 MB), Card memory: 7,000 (PC card) **[Others]** ■ **Arpeggiator** Preset: 128, User: 128 ■ **Rhythm Pattern** Preset: 256 (32 groups), User: 256 (32 groups) ■ **Chord Memory** Preset: 64, User: 64 ■ **Display** Graphic 160 x 48 dots backlit LCD

■ **Connectors** Headphones Jack, A (MIX) Output Jacks (L/MONO, R): 1/4 inch TRS phone type, B Output Jacks (L, R): 1/4 inch phone type, Input Jacks (L/MONO/MIC, R): 1/4 inch phone type, MIDI Connectors (IN, OUT, THRU), USB Connector (supports file transfer (mass storage class) and MIDI), Digital Audio Interface (COAXIAL INPUT/OUTPUT), AC Inlet ■ **Expansion Slots** [Expansion of waveforms and patchs for the internal sound generator] SRX expansion boards: 6 slots, [Expansion of sampling memory] DIMM: 1 slot (supports 128 MB, 256 MB, 512 MB (3.3 V)) ■ **External Storage Device** PC card: 1 slot (supports SmartMedia and CompactFlash using a PC card adapter) ■ **Power Supply** AC 117 V, AC 230 V, AC 240 V (50/60 Hz), AC 220 V (60 Hz) ■ **Dimensions** 481 (W) x 355 (D) x 45 (H) mm / 18-15/16 (W) x 14 (D) x 1-13/16 (H) inches ■ **Weight** 4.7 kg / 10 lbs 6 oz ■ **Accessories** Handbook, Owner's Manual, Sound/Parameter List, Sample Data (Audio) CD, CD-ROM (Editor, USB MIDI driver), Sticker, Power Cord ■ **Options** Wave Expansion Board: SRX Series

* The specifications are subject to change without notice.

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