

# Fantom X6/X7/X8

New Generation  
Workstation Keyboards

The Standard By Which All Other  
Workstations Are Measured.

**COSM**  
**V-LINK**

GENERAL  
**MIIDI2**

**USB**



\*Products pictured are prototype models.

The Fantom-X Series are the world's first "Giga-Workstation" keyboards, giving musicians nearly 1GB of wave memory when fully expanded and powerful 128-voice polyphony. The synthesis section's new waves include a gorgeous 88-key split stereo-sampled piano, plus room for 4 SRX expansions. The sampler can be upgraded to 544MB of RAM, which provides enough recording time to use it like a digital recorder. The Fantom-X Series is also the first line of workstation keyboards with a color LCD screen. Between these features and their sleek new looks, the Fantom-X Series is poised to become the workstation of choice.

- 128-voice workstations with 61-note keyboard (Fantom-X6), 76-note keyboard (Fantom-X7), or 88-note (Fantom-X8) Progressive Hammer-Action Keyboard
- Seamless integration of audio and MIDI using gorgeous new ROM waves and sampling with realtime timestretch capability
- 128MB wave ROM includes quality-focused sounds like 88-key split piano and more
- 32MB sample RAM expandable to 544MB with optional DIMMs
- New color LCD screen—a first in a workstation keyboard!
- Innovative features like Skip Back Sampling, Dynamic Pad Bank and V-LINK\*
- 3 MFX processors, plus dedicated reverb, chorus and mastering processor
- USB port for MIDI, .WAV/AIFF file exchange and 4x SRX expansion
- PC card slot for backing up samples and data with up to 1GB capacity
- 4 Line outputs (2 stereo or 4 mono), stereo Line input and 24-bit S/PDIF I/O

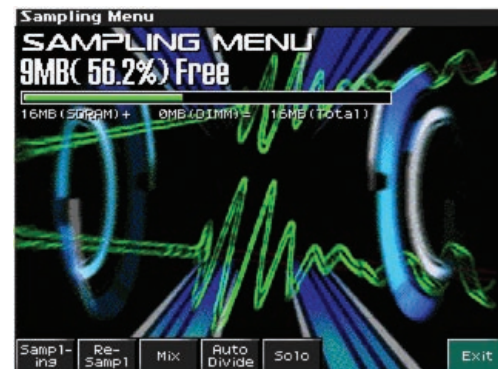
\*V-LINK requires optional Edirol DV-7PR with software version 1.50 or higher.

## Powered by Roland's Groundbreaking New Synthesis Chip

The new Fantom-X Series comes in a choice of three keyboards, but they all have one thing in common: Roland's new sound generator chip. This chip is Roland's most powerful to date, and it not only makes it possible to play expressive 4-tone Patches with 128-voice polyphony, but it also raises the Fantom-X Series' waveform capacity to approximately 1GB when fully expanded—far more memory than any other musical instrument on the market. What's more, the internal wave ROM has been doubled with quality-focused sounds that will please even the most jaded player.

## Sampler or Digital Recorder?

Thanks to the power afforded by the new sound generator chip, you get both. That's because the Fantom-X is the first workstation keyboard capable of handling audio on the level of a digital recorder. This means you can record either short samples for playback on the keyboard, or long, linear takes similar to a digital recorder. And with room for up to 544MB of sample RAM, there's plenty of recording time available. Samples can be slaved to tempo with realtime timestretching and edited using powerful tools like Wave Edit and Chop. Users are free to load samples in .WAV and AIFF formats and back up data to convenient PC cards with up to 1GB capacity.



## Expressive New Sounds Aboard

When Roland engineers developed the Fantom-X Series, they wanted to fully exploit the potential of the new chip. That's why each keyboard comes with a brand new 128MB wave ROM loaded with quality-focused sounds like vivid new string sections, expressive and fat-sounding drums, rich nylon string guitars and an amazing 88-key split acoustic piano, which uses individual stereo multi-samples for each key and every velocity stage. Would you believe there are over 700 samples used in this single Patch? Many of the instruments were recorded in world-class studios using vintage tube microphones with the highest quality preamps and converters, and were mixed by respected studio engineer/producer Dan Blessinger (Martinsound)—resulting in a level of quality and musicality rivaled by few.

## The Only Workstations with Skip Back Sampling and a Dynamic Pad Bank

First introduced on the Fantom-S, Roland's Skip Back Sampling has become popular with musicians for its ability to instantly retrieve a performance and turn it into a sample. With Skip Back Sampling, your ideas never get lost because the sampler is constantly recording every note you play—be it on the keyboard or Dynamic Pad Bank—while keeping the musical bars in tact. Speaking of which, these 16 velocity- and aftertouch-sensitive pads now sport twice the polyphony and an improved feel for even more natural drum programming and sample triggering.

## A True Audio/MIDI Workstation

Whether sequencing MIDI tracks, triggering samples from the Dynamic Pad Bank, or even recording audio directly to RAM, the Fantom-X Series makes putting it all together a seamless process. Lay down a drum track by combining the internal drum sounds with loops, which can automatically sync to tempo via realtime timestretch. Then record some keyboard parts as MIDI and finish your song by tracking a guitar or vocal as audio. The high-resolution sequencer boasts up to 400,000-note capacity and supports Standard MIDI File (SMF) import and export, making the Fantom-X by far the best workstation in history.

## Dazzling Color LCD Screen

The Fantom-X Series is the first line of workstation keyboards with a color LCD screen. And once you've seen this display's smart, color-coded screens, you'll never want to go back! With all the menus and screens in color, navigating the Fantom-X becomes that much more a pleasure. Even the bitmap images appear more lifelike, adding to the overall experience.

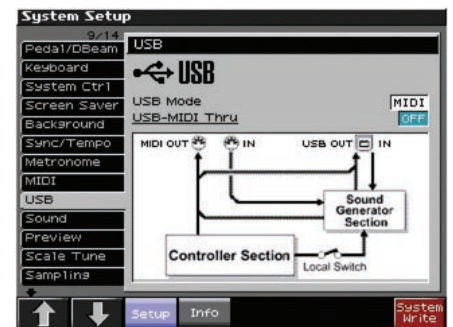


## Complete Studio Effects and Mastering Tools

Onboard effects include separate reverb and chorus processors, plus three multi-effects processors loaded with sound sculpting tools ideal for creative sampling. These include algorithms like COSM® Guitar Amp Modeling, Lo-Fi processing, tempo-synced delay, Slicer, Isolator, multiple effects chains and more. (In Performance mode, all three MFX can be configured for full parallel or complete serial use—or any combination in between.) When you're ready to mix down, simply switch on the dedicated Mastering processor with multi-band compression for tight, punchy mixes.

## Get Connected with USB

The onboard USB port serves two functions: First, it can be used as a USB-MIDI interface, eliminating the need for an external MIDI interface. Second, it can be used to import and export audio in .WAV/AIFF format. Now it's easy to bring in samples from your computer and use them in a sequence. Likewise, you can quickly mix down your song, re-sample it in stereo, and then transfer the file to a computer for CD-burning.



## V-LINK: The Future of Performance

The Fantom-X Series is not only a great choice for studio musicians, but also for live performers. Using Roland's V-LINK technology, musicians can trigger and manipulate video clips when connected to an Ediol video editor like the DV-7PR. Imagine being able to instantly trigger clips from the Dynamic Pad Bank, or create transitions and effects using the pitch bender and knobs. It's a live performer's dream!

## Dedicated Piano Button

Choose the Fantom-X8 model, and you'll get an 88-note Progressive Hammer-Action Keyboard designed to capture the feel of a fine concert grand. It's the perfect way to play the amazing

new 88-key split piano Patch, which can be instantly called up by pressing the Fantom-X Series' dedicated Piano button. Of course, this button can be reprogrammed to call up a different Patch or Performance in any order, so it's almost like having an extra Favorite Sounds button. Regardless of which model you choose, you'll find nothing else compares to the new Fantom-X.



"I have really enjoyed capturing these sounds for the new Roland products. I am passionate about quality and used the best tube microphones, microphone preamps and A/D converters that money can buy to record these sounds. While mixing these samples, I approached it as if I were mixing a record or a film score. I hope you enjoy them!"



### Dan Blessinger

Dan is a recording engineer/producer who has worked on projects with the likes of Barbra Streisand, Prince, 311, The London Symphony Orchestra, Yo Yo Ma, The Los Angeles Master Chorale as well as Films for Universal Pictures, Morgan Creek Entertainment, Warner Brothers and Disney to name a few. He has served 12 years as Engineer at Martinsound Studios in Los Angeles, which is known around the world for developing high fidelity, cutting edge audio technology as well as audiophile recordings.

## Fantom-X6/X7/X8 Specifications

■ **Keyboard** [X6] 61 keys (with velocity and channel aftertouch), [X7] 76 keys (with velocity and channel aftertouch), [X8] 88 keys (Progressive Hammer Action Mechanism and channel aftertouch) ■ **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 Effects: 6 types, Mastering Effects: 3-band compressor ■ **Sampling Section** ■ **Data Format** 16-bit linear (File Type: .WAV/.AIFF) ■ **Sampling Frequency** 44.1 kHz (fixed) ■ **Maximum Sampling Time** Standard: 32 MB (mono: 360 sec. approx., stereo: 180 sec. approx.), Maximum (expanded with DIMM): 544 MB (mono: 102 min. approx., stereo: 51 min. approx.) ■ **Number of Samples** User memory: 2,000 (maximum total approximately 32 MB), Card memory: 7,000 (PC card) ■ **Sequencer Section** ■ **Tracks** Phrase tracks (16 MIDI channels per track): 16, Pattern track (16 MIDI channels per track): 1, Tempo track: 1, Beat track: 1 \* The Pattern Track can hold up to 100 patterns. ■ **Resolution** 480 TPQN ■ **Tempo** 5—300 ■ **Note Capacity** approx. 400,000 notes ■ **Song Length** 9,998 measures ■ **Recording Method** Realtime recording, Step recording ■ **Others** ■ **Arpeggiator** Preset: 128, User: 128 ■ **Rhythm Pattern** Preset: 256 (32 groups), User: 256 (32 groups) ■ **Chord Memory** Preset: 64, User: 64 ■ **Display** Graphic 320 x 240 dots backlit

LCD (Color) ■ **Pads** 16 pads, Velocity and Aftertouch sensitive ■ **Controllers** Pitch Bend/Modulation Lever, Control Knob x 4, Assignable Switch x 2, D Beam Controller ■ **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, Hold Pedal Jack (Half Pedal recognition), Control Pedal Jack (assignable), 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 patches for the internal sound generator] SRX expansion boards: 4 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** [X6] 1050 (W) x 358 (D) x 125 (H) mm / 41-3/8 (W) x 14-1/8 (D) x 4-15/16 (H) inches, [X7] 1262 (W) x 358 (D) x 125 (H) mm / 49-11/16 (W) x 14-1/8 (D) x 4-15/16 (H) inches, [X8] 1408 (W) x 455 (D) x 165 (H) mm / 55-7/16 (W) x 17-15/16 (D) x 6-1/2 (H) inches ■ **Weight** [X6] 12.5 kg / 27 lbs 9 oz, [X7] 14.5 kg / 32 lbs, [X8] 29.5 kg / 65 lbs 1 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, Keyboard Stand: [X6] [X7] KS-12 / [X8] KS-17, Pedal Switch: DP Series, Foot Switch: BOSS FS-5U, Expression Pedal: EV-5

\* The specifications are subject to change without notice.