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KURZWEIL

# K2700

Witness the Evolution of the Legendary
K2 Series Workstations

# KURZWEIL 'K series' History

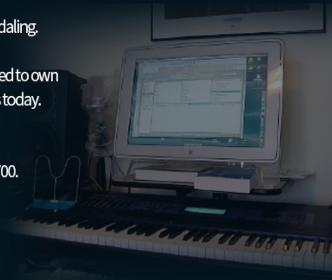
In 1976, Dr. Raymond Kurzweil founded the "Kurzweil" company, an early pioneer in the development
of reading machines for the blind. His first customer? Stevie Wonder.
In the ensuing years, prompted by conversations with Stevie, Ray developed the 'K250' synthesizer,
which quickly became recognized as the first computerized instrument to faithfully reproduce the grand piano.
With the debut of the K250 in 1982, Kurzweil Music Systems was formed with Stevie Wonder serving as musical advisor.
Hal Chamberlin then joined the company to develop a new synth, the 'K150,' along with Dr. Bob Moog as a consultant.
In 1987, the more accessible K1000-series was introduced and became
a big sensation in the digital music market, offering high quality sample playback at a fraction of the cost of the K250.

The K2000 was then released in 1990 and marked a pivotal role in the growth
of Kurzweil Music Systems becoming one of the world's leading electronic musical instrument companies.

The K2500/2600 expanded upon the design of the K2000 adding not only
sheer horsepower but also advanced DSP functionality and effects, ranging
from guitar amp simulators to the resonance of piano strings and damper pedaling.

The K2 series established itself as a luxury instrument line that everyone wanted to own
and it continues to permeate much of the music we still encounter in our lives today.

The Kurzweil K2-series, which effectively dominated an era, has long
since been seeking a new successor. Today, the K2 series returns with the K2700.



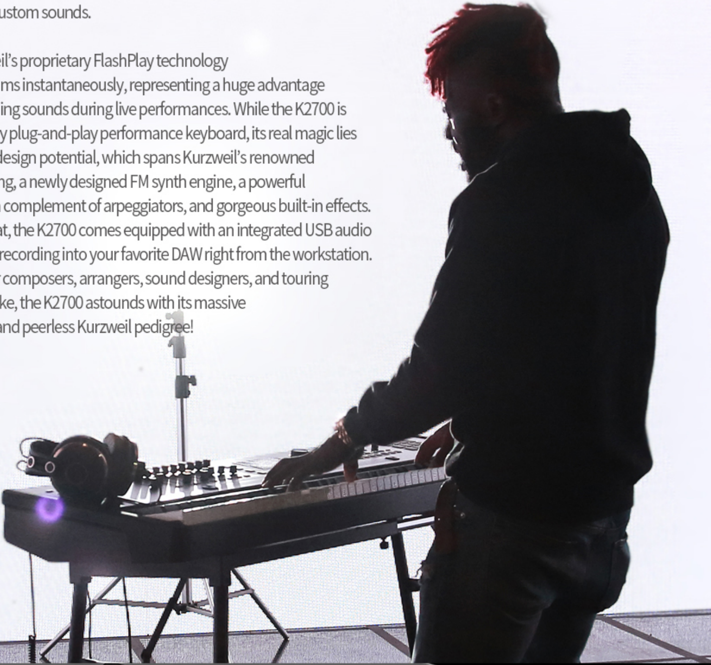
KURZWEIL
K2000R
2 Stage Piano

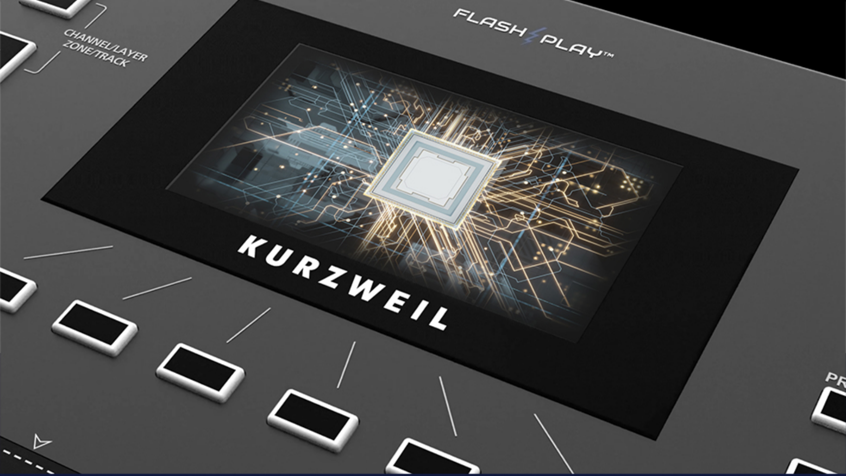
# Premium Highend Synthesizer & Performance controller

Debuting in 1984, the Kurzweil K250 ushered in a new era of sophisticated keyboard workstations for professional musicians. The Kurzweil K2700 Synthesizer Workstation upholds the K250's legacy as the most advanced K2 series keyboard to date.

Featuring a fully weighted 88-note keyboard and a host of hands-on controllers, including a ribbon controller, the K2700 invites you to explore its incredibly deep feature set. Gigging keyboardists will appreciate the vast selection of high-quality presets — over 1,500 factory programs are at your disposal and there is an additional 3.5GB of user storage space for loading custom sounds.

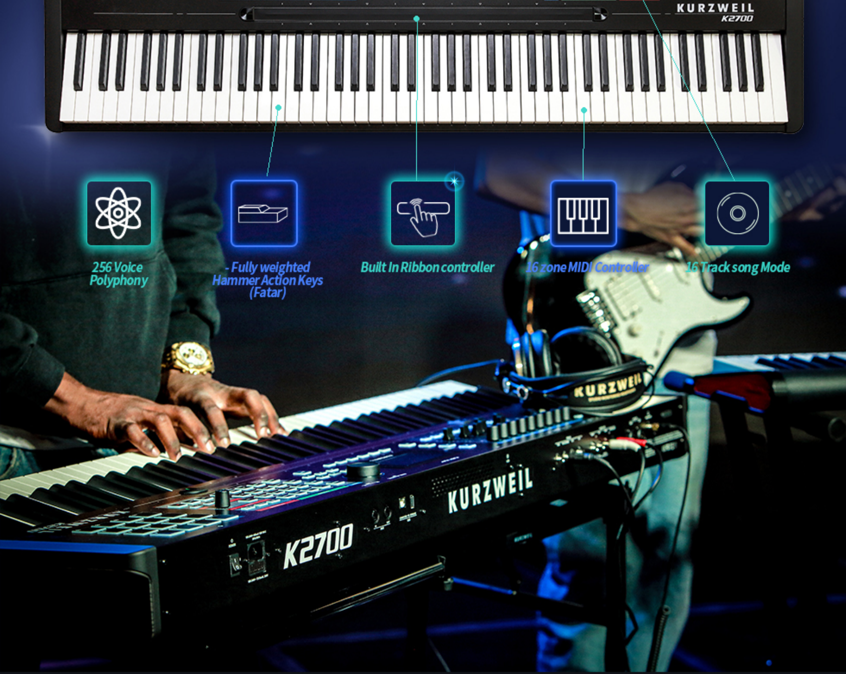
Plus, Kurzweil's proprietary FlashPlay technology loads programs instantaneously, representing a huge advantage when switching sounds during live performances. While the K2700 is an exemplary plug-and-play performance keyboard, its real magic lies in its sound design potential, which spans Kurzweil's renowned V.A.S.T. editing, a newly designed FM synth engine, a powerful sequencer, a complement of arpeggiators, and gorgeous built-in effects. On top of that, the K2700 comes equipped with an integrated USB audio interface for recording into your favorite DAW right from the workstation. Designed for composers, arrangers, sound designers, and touring musiciansalike, the K2700 astounds with its massive capabilities and peerless Kurzweil pedigree!





# FUNCTION

- Flash-Play and Lena
- Powerful FX Engine
- VAST, FM and KB3
- Riffs
- MIDI CC Sequencer
- USB Audio Interface
- Programmable Sliders, Knobs&Buttons
- Color Display
- Thousands Of Sounds
- Arpeggiator
- 16 Pad Triggers



## FLASH PLAY™ & LENA

One of the many features keyboardists love about the K2700 is its ability to load any sound instantly. Kurzweil calls it FlashPlay technology, a denomination that essentially means you'll never slow down or botch a performance due to loading times. You've got 4.5GB of killer sounds in the Kurzweil K2700 —all with zero load time — that equate to a staggering amount of horsepower you'll appreciate whether you're wowing an audience onstage or impressing collaborators in the studio. Kurzweil knows what you need to perform with confidence, and you get it all in the K2700.

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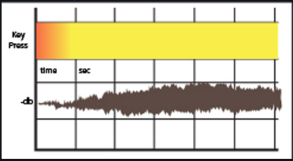
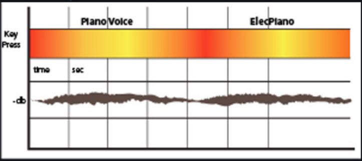
K2700

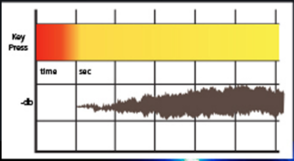
FLASHPLAY™



FLASHPLAY™



Other Large size sample



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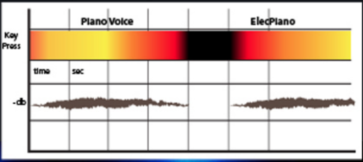

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# SOUND ENGINE

## 256 Voice Polyphony

Over 5x the polyphony of any previous K2 series model!

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## VAST, FM and KB3

Embedded within the K2700 are powerful anti-aliasing, power-shaped oscillators along with DSP processing from Kurzweil's mythical VA1 concept synth, capable of delivering authentic analog emulations as well as incredibly complex new sounds.

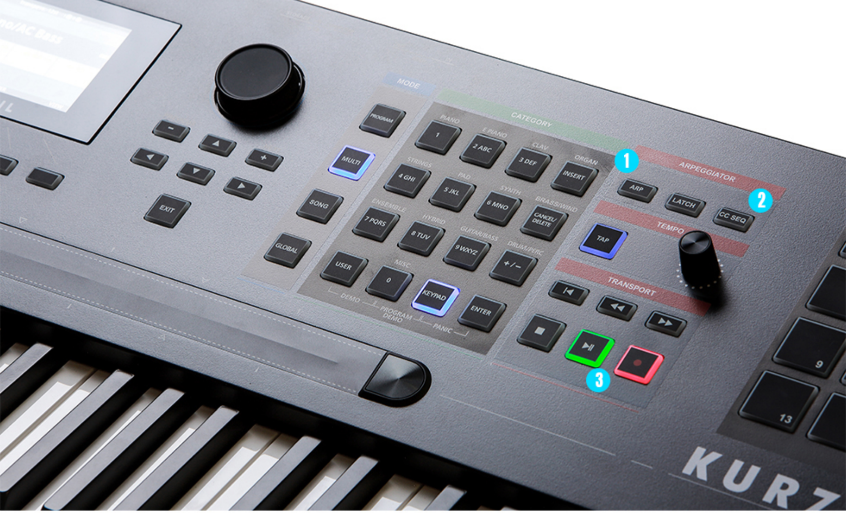
6 Operator FM Engine with the ability to load original FM SysEx files. FM layers are a new addition to VAST programs and can be combined with VAST features to go far beyond classic FM synthesis.

Modeled after classic organs. A full complement of tonewheel controls are immediately accessible including 9 realistic drawbars, rotary speed, chorus/vibrato, brake, percussion and more.

## Powerful FX Engine

Award-winning Reverbs, Delays, Choruses, Flangers, Phasers, Distortions, Rotary Amplifiers, Compressors and more – all fully editable from the user-interface.
The K2700 also offers a global Master FX section featuring 3-band EQ and Compression.

# PERFORMANCE



## Arpeggiator ①

Looking for a pulse? Activate up to 16 independent Arps (1 per program, 16 per Multi) and dive into the ‘Step Sequencer’ environment!

## MIDI CC Sequencer ②

Add sonic animation to your sounds via 16 simultaneous MIDI CC Step Sequencers for modulation sequencing

## 16 Track song Mode ③

Use the Transport section to control recording and playback of the on-board 16-track sequencer as well as your favorite DAW (via MMC and System Real-Time messages).

## Riffs

Trigger and manipulate up to 16 simultaneous MIDI sequences on the fly. Select from an internal library of patterns or record/import your own!

## Fully weighted Hammer Action Keys (Fatar)

Every sound within the K2700 is perfectly matched to its 88-note fully-weighted keyboard with aftertouch. Further customize the MIDI velocity and pressure response to suit your personal playing style.

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# CONTROL

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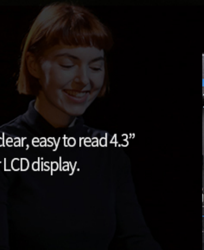
## Programmable Sliders, Knobs&Buttons

9 sliders, 9 knobs and 10 buttons. All programmable. Internally control volumes, pans, filters, FX wet/dry, envelopes, mutes, etc. Externally transmit any desired MIDI CC's to your DAW host.



## Color Display

Navigate the K2700 with a clear, easy to read 4.3" 480×272 widescreen color LCD display.

FLASH PLAY
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SAVE
EDIT
EXIT
PREVIOUS
NEXT
DELAY
REVERB

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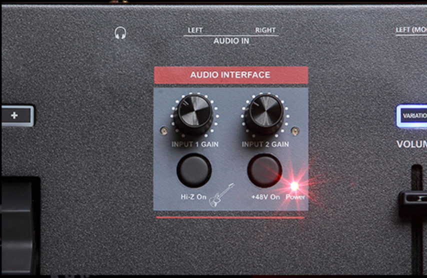
## Built In Ribbon controller

Bend pitch, from musically subtle variations to deep dives?
Of course.
But then go beyond the expected and control filters,
volume, tempo, distortion, and more. Configure the Ribbon
to have one control section that runs its entire length,
or to have three sections of equal length acting independently.

## USB Audio Interface

9 sliders, 9 knobs and 10 buttons.
All programmable. Internally control volumes,
pans, filters, FX wet/dry, envelopes, mutes, etc.
Externally transmit any desired MIDI CC's to your
DAW host.



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## 16 Pad Triggers

Use the 4 x 4 grid of velocity sensitive pads to trigger
drums & percussion with precision. Further, activate
zone mutes, trigger notes/chords, filters, add layers,
control the Arp, CC Sequencers and more.

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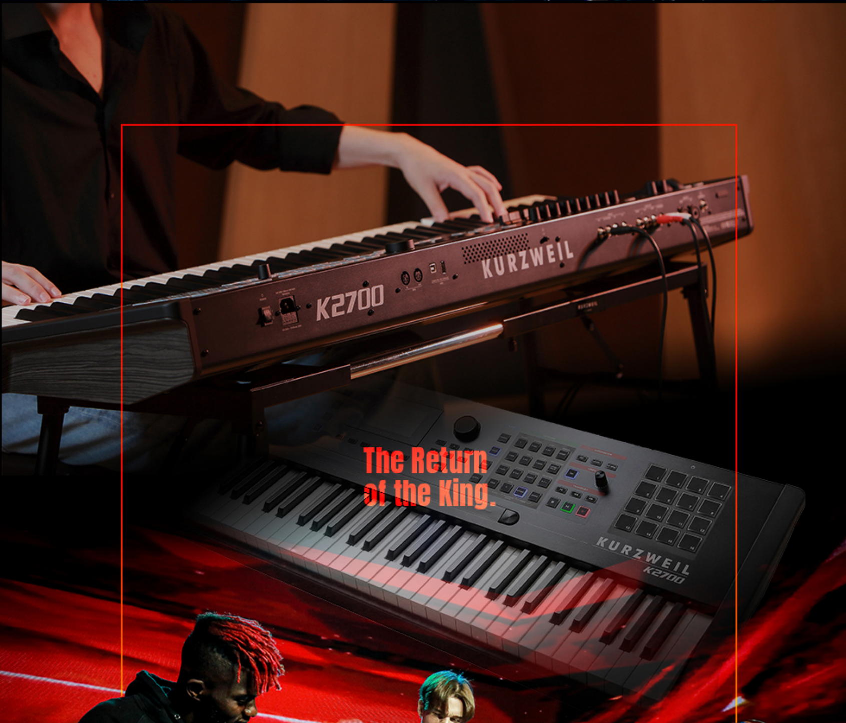

# K2700

| | |
|---|---|
| **Keyboard:** | 88-key, fully-weighted action with velocity and pressure (aftertouch) sensitive adjustable keys (Fatar TP/40L) |
| **Display:** | 480 x 272 pixel high resolution color LCD with adjustable brightness |
| **Polyphony:** | 256 voice polyphony, dynamically allocated |
| **Multitimbral:** | 16 parts (one per MIDI channel) |
| **Architecture:** | Dynamic VAST: powerful synthesis engine, with user programmable DSP algs and routing.<br>Cascade Mode: route one layer through the DSP of any other layer within a program – up to 32 consecutive layers deep!<br>KB3 ToneReel Engine<br>6-Operator FM Engine<br>VA1 Virtual Analog Oscillators + DSP |
| **Sample Flash Memory:** | 4.5 GB factory samples<br>3.5 GB of re-loadable, non-volatile, user flash memory |
| **Factory Programs:** | 1500+ |
| **User Programs:** | 4000+ |
| **Factory Multis:** | 700+ (up to 16 independent controller zones) |
| **User Multis:** | 4000+ |
| **General MIDI:** | No |
| **Kurzweil String Resonance:** | Yes |
| **Master EQ/Compressor:** | Yes |
| **Effects:** | Over 1000 complex effect chains, incorporated into programs featuring our award winning effects –<br>reverbs, delays, chorus, flange, phaser, EQs, distortions, rotary speaker simulators, compressors, and more<br>32 total FX units<br>Controllers: Monopressure (aftertouch) |

| | |
|---|---|
| | 1 pitch wheel<br>1 assignable modulation wheel<br>1 assignable ribbon controller<br>9 assignable sliders<br>9 assignable knobs<br>10 assignable buttons<br>16 assignable velocity sensitive pads<br>2 transpose switches<br>Tap tempo button and tempo knob<br>Arp controls<br>Transport controls<br>*2 switch pedal inputs each supporting single switch pedal or single half damper pedal<br>(1 switch/sustain pedal is included; half-damper pedals sold separately)<br>2 continuous control pedal inputs |
| **Sequencer:** | 16 Tracks; 960 PPQ resolution. Song editing functions include both event and track-based tools like quantize, swing, remap, controller scaling and more. |
| **MIDI CC Step Sequencers:** | 16 simultaneous |
| **Riffs:** | 16-per Multi |
| **Arpeggiators:** | 1-per Program, 16-per Multi |
| **Analog Outputs:** | Four (2 pairs) 1/4" balanced TRS analog (32-bit DACs)<br>Automatic mono switching on main outs<br>+21dBu maximum output<br>50Ω balanced source impedance |
| **Audio Inputs:** | 2 combination 1/4"/XLR jacks (one stereo pair) accepting Line/Instrument/Microphone level signals. Dedicated Gain knobs, Hi-Z switch for electric guitar/bass, and +48V Phantom Power switch for Microphones. |
| **A/D:** | 32-bit; supported sample rates: 44.1, 48, 88.2, 96, 176.4, 192 Khz |
| **Headphones:** | 1 back panel 1/4" headphone output<br>130mW into 32 ohm headphones |
| **MIDI:** | In, Out |
| **USB:** | Stereo audio in/out over USB<br>Complete MIDI functionality over USB<br>Play and control the K2700 with a USB MIDI controller (USB host functionality)<br>User Object file transfer to/from USB Flash Drive<br>Operating System updates from USB Flash Drive |
| **Software:** | External editors for Mac OS X, Windows PC and iOS* devices<br>(*coming soon) |
| **FREE OS Updates:** | OS updates via USB drive |
| **Included Accessories:** | Power cable, Switch pedal, USB cable |
| **Height:** | 5.5" (13.97 cm) |
| **Depth:** | 15.5" (39.37 cm) |
| **Length:** | 51" (129.54 cm) |
| **Weight:** | 52 lb (23.58 kg) |
| **Power:** | Internal power supply |

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