

AUDYA
advanced music station



KETRON
BEST NATURAL SOUNDS

AUDYA Advanced Music Station

Audya represents the new state-of-the-art modern arranger keyboard. It has a powerful audio multiplayer, a high quality sound engine and unique automatic accompaniment features. The rich set of interfaces include a versatile video support, configurable audio connections and three USB ports to connect to computers and other multimedia devices. Thanks to the possibility to play and control audio files together with styles and MIDI files, Audya overcomes the limitations usually encountered by conventional entertainment keyboards.

Live Drums

Audya revolutionises the world of automatic accompaniment arranger workstations by introducing innovative audio sequences of drums and percussions, synchronised with the MIDI clock.

The rhythmic sections of traditional arranger keyboards, performed with drum set, are almost always very mechanical, lacking the emotions and feelings that a good drummer is able to offer. Audya overcomes these limitations with its rich library of audio settings: real artistic drummers and percussionists have collaborated in the project and their tracks have been adapted as a rhythmic section of the styles and can also be synchronised with MIDI files. The true novelty is the freedom to synchronise these tracks at pleasure with your own music, in real time, without noticeable distortions or loss in sound quality.

Live Accompaniment

The revolution of Audya is not just limited to percussions ~ that would be too easy! There are many audio accompaniments of acoustic and electric guitars which are playable in all keys and thus maintain the characteristic technique of most popular musical genders. This yields to tones and effects that would be otherwise impossible to achieve with just MIDI implementations alone.

These live audio accompaniment parts too (just like the drums) are perfectly synchronised with the styles and can also be synchronised with MIDI files. They maintain their pitch even if and when the tempo is changed!

Professional Multiplayer

Backed by the Midijay experience, Ketron raised the performance of Audya's multiplayer to new levels of excellence. Audya can play up to six tracks simultaneously, dual WAV, dual MP3 and dual MIDI files with DJ features such as the possibility of listening to songs first within headphones before playing through the system, playlists, crossfades ... etc. The tempo and transpose controls for MIDI also work with WAV and MP3 files, in real time, without loss in quality. Audya can also record the entire musical performance onto the Internal hard disk, either in WAV or MP3 format, with CD quality (16 bit at 44,1 KHz). Its built-in hard disk of 80 GB will store all your music and relevant data files. A 4-band equalizer and the possibility to rip audio tracks from an audio CD (connected to it via USB) completes this outstanding multiplayer. To fully exploit this multiplayer, Ketron supplied Audya with a rich variety of DJ loops, ambience sounds and special effects, all of professional quality.

New Sound Generation

Following Ketron's Best Natural Sounds tradition, Audya includes a new sound engine of very high quality indeed: an amazing 360 MB of stereo and multilayer sound storage, including a new Stereo Grand Piano with an outstanding natural resonance. Some orchestral voices reach levels of absolute excellence, no less than those of well known dedicated software. The new wind instruments of Audya exceed all the former expressive standards of Ketron. There are an additional 64 MBs of RAM for personalised sounds that can be quickly loaded from disk while playing. You can also re-write up to 32 MBs of the internal wavetable with a completely new Sound Bank. Audya also has a renewed DSP section, with new Rotor, Distortion, Phaser, Flanger, Tremolo, Chorus, Reverb effects and much more.

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**Ketron Audya: the new reference point
for professional live players**

Vocetron - Ketron's New Vocalizer

Audya has a new vocalizer of five voices that performs with the best standards on the market. The vocalizer is easy to use thanks to the extended preset library, but it can also be edited by the musician with controls over the harmonic content of the voice, equalization and effects. The vocalizer works in real time on one of the two microphone inputs of Audya, it has dedicated reverb and delay functions and can be controlled manually with the keyboard or automatically, via arranger or MIDI files. An innovative linking method of the chords means that Vocetron is able to interpret musical passages according to the rules of traditional harmony.

User interface

Audya has a new keybed of 76 semi-weighted keys, with aftertouch and portamento. The control panel is designed to help the musician, especially in live situations. Seventeen sliders, (with one assignable), offer an efficient control of volumes and effects.

The instrument's current status is pointed out by the various LEDs built into the keys and by the graphics that appear on the integrated colour display (LCD TFT technology with a resolution of 320x240). The user interface is similar to that of modern computers, so it is pretty easy to use.

A new revolutionary Registration structure means that you can save and instantly recall not only the general state of the instrument (Sounds, Styles, Volumes, Micro etc.) but also any links to an audio source required for the performance, for example a Wave, an Mp3, a Midi file and even a Playlist. There is also a Language menu (8 languages) for the customised viewing of the most important functions of the instrument.

Via its video port, Audya can display colour images with lyrics synchronised with the music onto a larger TV screen (PAL or NTSC) or on a VGA monitor. As an alternative, it can show an exact copy of the LCD display (Mirror).

Audio Connections

Audya offers an absolutely complete set of inputs and outputs, both analogue and digital. Together with the typical pair of stereo audio outputs, there are four separate outputs that can be configured as auxiliary stereo audio outputs or as mono audio outputs (with or without DSP effects). Audya also has two stereo input lines, an output for headphones, two Combo inputs (XLR + 1/4") for the microphone and a dedicated output for the metronome click. Audya offers a digital input and output in S/PDIF standard and four MIDI ports.

USB / Multimedia

Audya and its internal Hard Disk can easily be connected via USB to a computer to edit the musical contents of the instrument and to back-up files. Furthermore, two USB host ports accept many mass storage devices, such as the very popular USB sticks, external USB hard drives, CD and DVD readers, to be able to exchange data externally with absolute ease.





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Specifications

KEYBOARD:	76 semi-weighted keys, 8 dynamic curves. Pitch, modulation, aftertouch and portamento controls. Operating system updatable via USB port. 17 volume slider controls (with 1 assignable). 10 assignable user tab functions.	OCTAVE/DOUBLE:	Octave selection +/- 24 semitones. Octave doubling.
DISPLAY:	320x240 pixel TFT colour graphic display.	HARMONY:	full, jazz, bluegrass, trill, repeat, folk 1, folk 2, 2-hands, echo-tap.
HARD DISK:	80 GB ATA 2.5".	TRANSPOSER:	transposition of +/- 24 semitones.
USB:	2 USB host + 1 USB device.	ARABIC SCALE:	13 settings for the Arabic scale, assignable with footswitch. Tuning +/- 99 cents of a note.
MASS STORAGE DEVICES:	USB sticks, USB floppy disks, MP3 players, CD-ROM and DVD-ROM, HD.	ACCORDION:	Accordions functions with international and Belgian system. Controllable dynamics of bass and chords. Octave selectable on manual bass and chord. Manual drum on bass and chords.
SOUND GENERATION:	360 MB PCM wavetable (32 MB overwriteable). 384 Orchestral presets. Stereo and multi-layer Voices. 512 GM2 sounds. 32 parts Multitimbral.	DSP EFFECTS:	3 new multi-effect DSPs. Reverb, chorus, flanger, delay, phaser, tremolo, tap delay 4/8, wha-wha, distortion, overdrive, slow/fast rotor, parametric 4-band equalizer.
POLYPHONY:	197 notes.	MICROPHONE 1&2:	2 microphone inputs with separate gain control, 10-band equalizer, eco, reverb, pan, pitch shift, talk, voice transformation.
VOICE LIST:	Up to 320 custom sound locations.	VOICETRON:	Ketron's harmonizer with 5 separate voices. Vocoder mode, auto-harmony with the arranger, vocalizer track on MIDI file, advanced editing on all 5 voices.
ORGAN DRAWBARS:	9 digital drawbars, slow/fast rotor, percussion and overdrive.	MIDI:	in 1, in 2, out, thru. 32 MIDI channels. GM2 Standard.
PROGRAMS:	320 programs. 3 Voices layered, 3 splits. Functions: sustain, portamento, velocity switch, duet, trio, morphing, steel, slide, harmony. Editing: ADSR, cut off, resonance, effects. Twin 2nd Voice.	OUTPUTS:	left/mono, right. 4 separate assignable outputs (2 stereo or 4 mono). Digital S/PDIF input and output. Stereo headphone.
RAM/Ins:	64 MB RAM for sounds loadable from disk. Quick loading in multitask mode.	INPUTS:	2 XLR microphone inputs. 2 line in inputs (stereo). Sustain and pedal volume. Footswitch (6 or 13 switches).
SAMPLER:	44.1KHz. Multi sampler editor and wave synchronized to style and midifiles. New intuitive user interface.	VIDEO INTERFACE:	Systems PAL, NTSC, Super VHS. VGA monitor, mirror, zoom, karaoke. Screen size and positioning controls. Resolution: 640x480.
PROFESSIONAL MULTIPLAYER:	2 x WAV, 2 x MP3, 2 x MIDI. Real time stretching and audio transposition. Play list, Autoplay. HD recording on 2 tracks. MP3 encoder (with editable resolution). Audio Ripper from CD with wave transform and built-in saving.	INCLUDEED ACCESSORIES:	video interface, hard drive, voicetron vocalizer, power chord, user manual, music rest.
MIDIFILE PLAYER:	SMF player with KAR file (karaoke) and TXT file (text). KAR and MIDI file conversion type 0 to type 1. Jukebox. Intelligent transposition. Song chain. Drum & bass. Lead on/off. Possibility to save new song set-up within midifile.	OPTIONAL ACCESSORIES:	hard case, sustain pedal piano type, volume pedal, pedal controls FS6/FS13 Midi bass pedals.
AUDIO REMIX:	Synchronisation of audio tracks to MIDI files or styles.	POWER:	Automatic voltage detection - 110V/60Hz - 240V/50Hz (plug and play).
SEQUENCER:	Real time Song recording.	DIMENSIONS:	L x W x H = 114 cm x 43 cm x 15 cm (45" x 17" x 6").
REGISTRATIONS:	320 global panel settings. Single and block mode.	WEIGHT:	18.5 Kg (38 lbs).
DRUM-1:	32 drum sets. 24 user drum sets. 10 percussion sections. Drum mixer. Manual drums.	<i>Specifications and appearance are subject to change without notice.</i>	
DRUM-2 (Audio):	62 live drums (acoustic, electro, jazz and Latin loops).		
REAL AUDIO ARRANGER:	Up to 300 styles. Real audio drums sequences. Live accompaniment tracks including acoustic and electric guitars. 4 arrangers per style: A, B, C, D. 3 intro/ending, 4 fill ins, 4 breaks. Manual bass. Jump. Tap tempo. Accelerando-ritardando. Auto Mute for single arranger parts. After fill. Slow/fast tempo. Bass pedal board functions. Recognition of standard and rootless chords. Assignable voice to Arranger. Pianist: standard and auto mode. Bassist.		