

# AUDYA5

advanced • music • station

## Ajamsonic



MICRO OUT    OUT    RIGHT    LEFT / MONO    FOOT SWITCH    SUSTAIN    VOLUME    B11 (GM)    B12 (KEYS)    B13    OUT    THRU    COMPUTER INTERFACE    VIDEO INTERFACE    ~100-240 VAC 50/60 Hz    FUSE T. LABEL    MARK SWITCH

# KETRON

BEST NATURAL SOUNDS

# AUDYA 5 Advanced Music Station

The new state-of-the-art modern arranger keyboard.

## Real LIVE Arranger

AUDYA 5 bring a unique and powerful Arranger Section with over 560 Styles and 370 Audio Drum sequences plus Percussions (Live Drums).

World wide acclaimed Drummers and Percussionists get to contribute to this project to optimize the best Rhythmic and Arranger section out there today. These Audio sequences are perfectly synchronized with the Midi clock in order to allow tempo changes without sacrificing sound quality!

Furthermore, AUDYA 5 allows one to synchronize New Audio drums imported by a user (User Audio Drums) alongside future implementations from KETRON giving a new exciting way to create their own Audio Live Drums from scratch.

But that's not all! Beside Percussion features, AUDYA 5 includes 159 Live Guitar Patterns suited for typical famous musical styles which now offers lots of authentic nuance never before available with the standard midi programming offered by other manufacturers. It's also possible load into the AUDYA 5's Ram New Live Guitars (GTR) provided by KETRON and also associable with new or current styles.

An innovative system called AUDIO STYLE MODELING allows one to replace original Style parts with new ones taken from an internal huge library of : Drum Bank, Bass Bank, Grooves, Guitar BANK 1 & 2, Arp&Lick and Live Guitars.

Why re-invent the wheel when KETRON has already provided you with tons of style parts which users can also use to create their own arrangements within the PATTERN section? If creativity from scratch is required, you may also use your own sequences too.

New Pianist and Bassist functions bring about sophisticated control with complete harmonization and Manual Bass leads played.

## Professional Multiplayer

Backed by the experience from the flagship - Audya, KETRON raised the performance of AUDYA 5's multiplayer to new levels of excellence. AUDYA 5 can play up to six tracks simultaneously; dual WAV, dual MP3 and dual MIDI files with DJ features such as PFL (Pre Fader Listen) - the possibility of listening to songs first within headphones before playing through the system, Playlists, Crossfades, Zoom, Song Medley and Txt synchronization to Audio and midi songs alike.

With the new exciting Midi Remix feature, the user can assign and sync Midi files with a

Style's Audio Drums plus... get this - all Live Guitars available!! The final result of this mix (including Midi, Audio Drums and Live Guitars), can be saved by a KETRON proprietary format called KMX (KETRON Midi Remix). This file can then be exported to other Audya Instruments with fully compatibility.

AUDYA 5 records to an internal Hard disk (80 G) any performance played as Wave, Mp3 or MRS (Macro Recording Song) format - this latest KETRON proprietary form allow one to store all instrument events performed (including voice or style changes, tempo, transpositions... etc).

The tempo and transpose controls for MIDI also work with WAV and MP3 files, in real time, without loss in quality. AUDYA 5 can also record and store the entire musical performance onto the Internal hard disk, either as a WAV or MP3 format, with CD quality (16 bit at 44,1 KHz). A 4-band equalizer and the possibility to rip audio tracks from an audio CD (connected to it via USB) completes this outstanding multiplayer. Furthermore KETRON supplied AUDYA 5 with a rich variety of DJ loops, ambience sounds and special effects, all of professional quality ready to be used out of the box.

## New Sound Generation

Following KETRON's tradition of the Best Natural Sounds, AUDYA 5 includes a new sound engine of very high quality. 430 new Orchestral Presets with stereo and multilayer controls such as Key Off, Morphing, Coupling, Rotor to Pedal, Aftertouch and Sustain

Switch. Besides all of these new features, a user can store within a Voice their own Harmony mode in order to achieve the best setting (OTM - One Touch Melody).

A Preset Selection can be modified and saved as new Program by using the Edit menu available in AUDYA 5. The user can also carefully adjust their timbre, dynamic, effects and over all the new articulation features as well. 16 Voice List with 300 Programmable Sounds plus the new UVL feature (User Voice List) allows one to automatically recall a Voice list which can also include a Style, Midi file, Mp3 or Wav file.

In addition to the built in 64 MBs of RAM for more personalised sounds that can quickly be loaded from disk, we listened to our users' request for more memory and now, one can also upgrade this memory with a new expansion up to 256 MB to add to the internal wavetable a complete new Sound Bank. AUDYA 5 also has a renewed DSP section, with new Rotor, Distortion, Phaser, Flanger, Tremolo, Chorus, Reverb effects and much more.

With the newest SAMPLER Section, the user can now sample their own sounds and manage in great detail - thanks the ultimate multi-sample editor, MSP.

## Voicetron - KETRON's New Vocalizer

AUDYA 5 has a new Vocalizer which incorporates five voices that performs with the best standards on the market today. 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 5. It has dedicated reverb and delay functions and can be controlled manually with the keyboard or automatically, via the Arranger or MIDI files. An innovative linking method of the chords means that Voicetron is able to interpret musical passages according to the rules of traditional harmony.

### User interface / Audio Connections

AUDYA 5 has a new keybed of 61 semi-weighted keys, with aftertouch and portamento. The control panel is designed to help the musician, especially in live situations. Seventeen sliders, (one assignable), offer an efficient control of volumes and effects in real time. The instrument's current status is clearly shown 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. In addition to the 10 User tabs currently on the panel and the traditional Pedal foot controls (Footswitch), AUDYA 5 includes a new section of assignable Tabs 1-16. These buttons come with a default KETRON factory setting plus a free programmable user section (User Tabs), which allows direct management over other more important AUDYA 5 features.

A new revolutionary Registration structure

means that you can save and instantly recall not only the general status 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 for the customised viewing of the most important functions of the instrument in several languages.

Via its video port, AUDYA 5 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).

AUDYA 5 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 5 also has two stereo input lines, an output for headphones, 4 Midi ports, two Combo inputs (XLR + 1/4") for the microphone and a dedicated output for the metronome click (for recording or use with a live drummer... etc).

### USB Ports

AUDYA 5 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.

On KETRON's web site ([www.ketron.it](http://www.ketron.it)) some interesting free software tools are already available for all users such the Style Compiler (for creating styles on a computer) and DJ Loop Compiler (for creating your own Styles or Dj loops easily).

With its tough integration and control of Audio in real time, plus ease of use due to a clearly well defined layout, the KETRON AUDYA 5 is the new reference point for professional live players or studio artist.

# KETRON

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## AUDYA5 AJAMSONIC Advanced Music Station

SPECIFICATIONS	AJAMSONIC AUDYA 5	STANDARD AUDYA 5	NOTES
GENERAL	YES	YES	Pitch, modulation, After touch and portamento controls. Operating System is updateable via USB port. 17 Volume slider controls (1 assignable), 10 assignable user button functions
DISPLAY	YES	YES	32x240 pixel FTT color graphic display
Far and beyond Product Support	YES	NO	We can be reached via telephone, text or emails and even Facebook for all your concerns and needs. Unlike many online and huge retail stores today, our service doesn't end when you walk out the door with our product. It just started. Deal with a team that actually cares about the product ... and you.
Number of keys	61	61	AUDYA 5 has 5 octaves (61) semi weighted keys for the organist, while AUDYA has 6 octaves (76) semi weighted keys - both with 8 dynamic curves for the Piano player. Audya 4 is a module with identical specifications to the AUDYA 5 - just without keys and mod/jog wheels (for professional Guitarist, Accordion players ...etc)
USB & MASS STORAGE DEVICES	120GB SSD (Solid State Drive)	80GB HD ATA 2.5"	Also, both include 2 USB Device ports, 1 USB host port, USB Floppy Disk, MP3 Players, CD-ROM, and DVD-ROM, External HD.
SOUND GENERATION & POLYPHONY	YES 120 AJAMSONIC VOICES (New Workstation Pads, Synth, Live Guitars, Real Piano, New Sax ... etc)	YES (No AJAMSONIC Voices)	360mb PCM wave table with 32mb re-writable 197 notes polyphony (the highest in it's class). 384 Orchestral presets. Stereo and Multi layered voices. 512 GM Sounds. 32 parts multitimbral.
VOICE LIST	320 (180 have already been assigned for you and all you do is select a style and play).	320 - which you can assign	These are the voices you can assign to each style in the keyboard for faster access. In the AJAMSONIC version, this has already been done for you ~ where professional musicians have carefully matched each pattern to 10 voices associated with that pattern. This greatly reduces the search for sounds once a desired pattern is selected.
VOICE TO STYLE (AUTO 1 TOUCH)	YES - Already assigned for you and you can edit them.	YES - But you have to assign them.	For every Pattern, you can instantly assign 4 voice to each variation part of the style so as you switch from Variation to Variation, the lead voices automatically change for you - very useful for guitar and accordion players.
ORGAN DRAWBARS	YES	YES	9 digital drawbars, slow/fast rotor speeds, percussion and overdrive
PROGRAMS (COMBINATION OF 1, 2 or 3 SOUNDS)	320 (with 40 AJAMSONIC PROGRAMS)	320 STANDARD	320 Programs. 3 Voices layered (+1 [2nd Voice] ), 3 Split points (editable). Functions include:- Sustain, portamento, velocity switching between voices, duet, trio, morphing, steel, slide, harmony. EDITING:- ADSR, cut off, resonance, effects. 2nd Voice assignable
SAMPLER/RAM/INS	128mb RAM (upgradable to 256mb)	64mb RAM (Upgradable to 128mb or 256mb)	Sounds loadable from Disk. Quick loading in multi-task mode. 44.1 KHz Multi Sampler Editors. Waves can be synchronized to Patterns and Midi files. New intuitive user interface.
PROFESSIONAL AUDIO & MIDI MULTI-PLAYER	YES	YES	Dual Wav, dual Mp3, Dual Midi file player. Real time stretching and audio transposition. Play list, Auto play. Stereo Audio recording instantly to Hard Disk/SSD. MP3 encoder (with editable resolution). Audio Ripper from CD with wave transformation and built-in saving. SMF player with KAR file (karaoke) and Txt file (Text). KAR and MIDI



SPECIFICATIONS	AJAMSONIC AUDYA 5	STANDARD AUDYA 5	NOTES
AUDIO REMIX	YES	YES	Synchronization of AUDIO tracks to MIDIFILES or/and Patterns/Styles.
SONG SETTINGS/REGISERS	YES - over 400 Pre-Programmed song settings to hit tunes	YES	320 Global Panel Settings. Single and Block Mode. Song settings recorded include Pattern used, Voices used, favorite voices for song, Midi settings, text/lyric, Mp3, wave .. etc
SEQUENCER	YES	YES	Real time Song Recording. Partial sequencer editor - (up to 32 X 7 measures per song). Over 100,000 Sequences can be programmed with 7 Midi tracks and 1 Stereo Audio Track. Sequence can also include Arps
GROOVE & MIDI DRUMS ***** AUDIO DRUMS	YES  ***** (Over 1700 new Audio Drum loops with AI)	YES	62 Live Drums (Accoustics, Electric, Jazz and Latin Loops). 32 Midi Drum sets. 24 user Drum Sets. 10 Percussion Sections. Drum Mixer. Manual Drums.
REAL AUDIO ARRANGER & PATTERN SEQUENCER	OVER 700 PATTERNS AND STYLES including a vast library for the American and Caribbean markets	Up to 300 STYLES	Real Audio Drums sequences. Live accompaniment tracks including Audio Accoustic and Electri Guitars. 4 Arrangers per style/Pattern:- A, B, C, D. 3 Intros & Endings, 4 Fills, 4 Breaks. Manual Bass. Jump. Tap Tempo. Accelerando-ritardando. Auto Mute for single Arranger parts, After fill. Slow/Fast Tempo with time stretching on Audio Drums and Guitars. Bass Pedal board functions. Recognition of Standard and Rootless Chords. Assignable voice to Arranger. Pianist: Standard and auto mode. Bassist
ARABIC SCALE	YES	YES	13 Settings for the Arabic Scale, assignable with footswitch. Tuning +/-99 cents of a note
ACCORDION	YES	YES	Accordion functions with International and Belgian systems. Controllable dynamics of bass and chords. Octave selectable on manual bass and chord. Manual drums on bass and chords
TRANSPOSER	YES	YES	Transposition of +/- 24 semitones instantly from panel.
OCTAVE / DOUBLE HARMONY	YES	YES	Octave Selection +/- 24 semitones. Octave Doubling. Harmony:- Full, jazz, bluegrass, trill, repeat, folk 1, folk 2, 2 hands, echo-tap
DSP EFFECTS	YES	YES	3 new multi effects DSPs. Reverb, chorus, flanger, delay, phaser, tremolo, tap delay 4/8. wha-wha, distortion, overdrive, slow/fast rotor, parametric 4-band Equalizer.
2 MICROPHONE INPUT	YES - Preloaded with over 10 Professional Mic settings based on the current industry standards (effects, mic modelling ... etc).	YES	2 Microphone inputs with separate gain control, 10-band equalizer, echo, reverb, pan, pitch shift, talk mode, voice transformation



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VOICETRON VOCALIZER	YES (Preloaded with 20 Professional Vocalizer & Vocoder settings for today's musicians).	YES	KETRON's harmonizer with 5 separate voices. Vocoder mode, auto harmony with the arranger, vocalizer track on Midifiles, advanced Editing on all 5 voices. AJAMSONIC adds presets like AUTOTUNE, DSP sync to Pattern/Style or Midifile ... etc
MIDI	YES	YES	4 Midi ports (In 1GM, in 2Kbd, Thru, Out). 32 Midi Channels. USB Midi. GM2 Standard
6 MULTIPLE AUDIO OUTPUTS	YES	YES	Main (L/mono & R), 4 separate assignable outputs (2 stereo or 4 mono) - can be assigned to individual tracks like bass, drums ... etc. Digital S/PDIF input and output (AUDYA ONLY). Stereo headphones
INPUTS	YES	YES	2 XLR Microphone inputs. 2 Line IN inputs (stereo). Sustain and Volume Pedal. Programmable Footswitch (FS13 or FS6).
VIDEO INTERFACE	YES	YES	NTSC (USA), PAL (EU), SUPER VHS Systems supported. VGA monitor mirror, zoom, and karaoke. Screen size and positioning controls. 640X480 Resolution
Super Voice Articulation (VCE-2)	Yes	NO	This AJAMSONIC Voice Character Emulation - articulation feature allows for authentic voice replication never before experience in a keyboard. All instruments are brought to life including the characteristic / nuance of the instrument - rather than just the sample. You need to hear to believe ( <i>nuances of Guitars, Sax, Trumpets, gliss and bends ...etc!</i> )
ARPEGGIOS (Playable Live)	Yes	No	Live Arpeggios you can now play as or together with LEAD voices. These are required for today's DANCE and TECHNO patterns and beats. This feature ( <i>found predominantly in workstations</i> ) brings the Arranger keyboard to life!
New AUDIO Guitars	Yes	No	New Audio Guitars added to the factory Audio Guitars. These guitars are automatically used by the appropriate patterns when required.
Compression and AUTO VOICE LEVELING	Yes	No	In ALL AUDYA series keyboards, when you switch from style to style or voice to voice, you will realize that the volumes are NOT all the same and so sometimes (as you perform), you have to reach out and adjust the volume. Thanks to the AJAMSONIC software, this is a thing of the past. As you switch between styles and voices, all levels are the same - you focus on playing!
120 AJAMSONIC LIVE PATTERNS/STYLES	Yes	No	You need to listen to believe. Styles that no longer sound like an Arranger with careful attention paid to details like drums panning, EQ, Effects applied to each style part ( <i>all this studio work done so you don't have to</i> ). The SUPER STYLE library puts patterns into this keyboard making it further stand out from the rest. Check out the new Soul Gospel Super style!
BONUS MP3 Files	Over 700	48	
Bonus Wave Files	Over 200	48	
MIDI Files	Over 1500	17	
AUTO HARMONY ON VOICES	Yes	No	Just like the auto pilot in an airplane, simply select a voice and AUDYA will now automatically select the appropriate harmony to go with the selected voice. All you do is play!



SPECIFICATIONS	AJAMSONIC AUDYA 5	STANDARD AUDYA 5	NOTES
ACCESSORIES INCLUDED:- =====	YES	YES	Video Interface, Hard Drive, Voicetron vocalizer, Power cord, User Manual, Music Rest. =====
OPTIONAL:-			Hard Case, Sustain Pedal Piano type, Volume Pedal, FS6 or FS13 Effects Pedal controls, K8 Midi Bass Pedal board
POWER /VOLTAGE	YES	YES	Automatic Voltage detection (Plug & Play worldwide). 110v/60Hz ~ 240v/50Hz
DIMESIONS AND WEIGHT	YES	YES	AUDYA5:- LXWXH = 39"X17"X6 / 100cmX43cmX15cm - Weight:- 37lbs/17Kg

