

# Welcome!

Thank you for purchasing the Ketron SD90 Multimedia Player! This “Instruction Manual” describes what you need to do to use your Multimedia Module immediately. Please read this Instruction Manual carefully to ensure that you obtain the best performance from your instrument either live or in a recording studio.

SD90 revolutionises the way you use this instrument thanks to its new wide colour Touch Screen. Most of the functions may in fact be enabled with just a “touch” of the keys on the screen.



# Specifications

- **Poliphony** : 128 note. Multitimbral 64 parts.
- **Display** : Lcd color Tft 7". Touch screen capacitive 800 x 480 dots. Brightness control.
- **Sound & Voices** : 672 GM Sounds. 5 Sound Banks. 61 Drum Sets. 368 Preset Voices. 1500 User Voices. 2nd Voice. V-Tone. Advanced Voice Editing. Voice List : 80 Voices programmable and Style assignable. Filter and Resonance live controls.
- **Live Drum** : Up to 100 Stereo Live Drums. Wav streaming with Time stretching and 3 Band stereo Equalizer. Full Arranger structure with ABCD, Fill, Break, Intro-End.
- **Live Guitar** : 150 audio Live Guitars (Folk Acoustic, Electric, Nylon). Stereo and Mix version.
- **Grooves** : 530 Grooves with Latin Percussions, Brazilian, individual and full Drums loops.
- **Audio Drum (Grv)** : 159 sliced audio Drums loops. Full Arranger structure with ABCD, Fill, Break, Intro-End.
- **Arranger** : 400 styles. 140 Live Styles with Live Drums, Live Guitars and Grooves. Compatibility with User Audio Drum @ from Audya series and SD Series (SD7, SD40, SD80). 4 Arranger ABCD. 4 Fill. 4 Break. 3 Intro. 3 Ending. Auto Fill. Fill to Arrange. To End. Reintro. Key Start. Key Stop. Restart. Pause. Count In. Midi Drum Mixer & Remap. Drum Boost. 4 Voice Variations. Voice to ABCD. Voice List assign to Style. 5 User Tabs. Pianist and Bassist mode. Manual Bass. Bass to Lowest. Bass to Root.
- **Style Edit** : Full Pattern creation and Editing. Functions : Record, Copy, Clear, Quantize, Velocity, Octave. User Style section ( unlimited disk locations).
- **Live Modeling** : Style Live Modeling Library with Live Drums, Grv (Audio Drum Loops), Live Guitars, Grooves, Bass, Piano, Guitar, Orchestral and Synth templates.
- **Launchpad** : Up to 2048 Launchpad projects. 12 pads with 6 Scenes. 30 internal demos. 3 x Wav simultaneous with Time stretching and Midi synchronization. Functions : Record, Phase, Song, Single/Loop, Pad control, Harmonic/Melodic mode, Live Efx pad control. Drum kit Looper. Style Import. Full interaction with Style Live Modeling.
- **Player** : Double Player. Files recognized : Wav, Midi , Mp3, Mp4, Avi, Mov, Flv, Cdg, Jpg, Txt, Pdf. Functions : Marker. Sync/Next. Autoplay. Lead Mute. GM part. Lyric Off. Cross fade. File Search. Play List. My Folder. Transposer. Time stretching. Metronome Click. Midi Multimix. Song Drum Restyle. Audio and Midi synchronize.
- **Audio Multitrack Player** :5+1 Audio tracks with separate slider control. Metronome click out.
- **DJ** : Double Audio and Midi player with Tempo & Pitch stretching, Pfl, Sync, Tap tempo, Cue, Fx Pad, Backspin, Brake.
- **Juke Box** : Play List, My Folders, SFX Special Effects.
- **Pic& Movie** : Jpg & Mp4, Avi, Mov, Flv, Karaoke background, Movie/PDF To RGB, Pic List, Autoshow.
- **Dvi** : Video Monitor Out, Karaoke Lyric / Mirror.
- **Menu** : Disk, Midi, Play Modes, Audio Edit, Language, Footswitch, Preferences, Controls, Video, Reg. Set up, Arabic Mode.
- **Media** : Internal Storage: SSD Card 16G. Usb: 3 Host + 1 device. Sd Card slot.
- **Play Modes** : Master keyboard. Accordion Style and Classic. Organ (with Pedalboard). Guitar mode with Efx (thru Input).
- **Keyboard Control** : Live Efx Chain editing. Aftertouch, Portamento, Double controls.
- **Registrations** : 4 Banks x 1024 Regs. Full Panel and function programming. 4 Playbox with 1024 files per folder ( including Midifile, Mp3, Wav).
- **Dsp** : 2 x DSP with 2 separate Reverb units, Chorus, Reverb, Flanger, Phaser, Tremolo, Rotary, Autopan, Echo Delay, Tap Delay, Equalizer, Distorsion, Amp simulator, Compressor, Filter. 64 Insert EFX Chains (10 User programmable ).
- **Recording** : HD Recording. 1 Stereo track. Loop. Audio Edit with Cut, Normalize. Midi Recording with Phrase and Song.
- **User Memory** : up to 400 MB free User programmable.
- **Micro** : XLR Input. Gain control. Volume. Reverb. Micro On/Off Edit. Talk.
- **Voicetron** : 3 Voice Voicetron. Manual, Unison, Midi Mode, Pitch Corrections, Autotune, Harmony Duet & Trio. 10 Voicetron User.

- **Instruction Manual** : Html on board.
- **Midi** : In1 ( Gm ), In 2 (Keyb). Out. Thru. Midi Set up : Standard, Computer & Sequencer, Keyboard Right, Accordion, Player, Style.
- **Out** : Left/Right Stereo, Pedal Volume, Sustain Pedal, Micro Out.
- **Input** : Guitar ( Instrument ) / Micro2.
- **Headphone** : Stereo Headphone. Aux separate Out Assign ( to Drums, Right, Bass, Click).
- **Optional** : Footswitch 6 or 13, Volume Pedal, Sustain pedal, Bag.
- **Power Supply** : External 9V-4A.
- **Dimensions** : 42,2 x 11,5 x 25,5 cm. (16,7 x 4,5 x 10,1 inches).
- **Weight** : 4 Kg. (8 lbs.)

\*All specifications and appearances are subject to change without notice.

## SAFETY INSTRUCTIONS

### RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS.

**Caution:** to reduce the risk of fire or electric shock, do not expose the instrument to rain or humidity.

### IMPORTANT INSTRUCTIONS FOR SAFETY AND INSTALLATION

**CAUTION** – When using an electrical product it is important to take a number of precautions such as the following:



- Read the Instruction Manual before using the instrument.
- An adult should always supervise children when they play the instrument.
- Do not use the instrument in areas subject to seepage or water spray, such as next to a sink, a swimming pool, on a damp surfaces etc.; do not place containers with liquids on the instrument to prevent accidental seepage of liquid into the instrument.
- The instrument should be used only on a stand recommended by the manufacturer.
- Do not use the instrument at a very high volume for long periods of time: very high noise levels are dangerous to health.
- Position the instrument in such a way as to ensure appropriate ventilation.
- Keep the instrument away from heat sources such as central heating radiators, stoves etc.
- Connect the instrument to the mains only with the mains adapter. You will find the identification and power supply details under the instrument.
- Disconnect the power supply cable if the instrument is not to be used for a long period of time.
- If necessary, disconnect the instrument using the power supply switch on the back panel. When positioning the instrument, always ensure that this switch is easy to reach.
- Take the instrument to a service centre if:
  - a. the power supply cable or plug are damaged.
  - b. objects or liquid have fallen into the instrument.

- c. the instrument has been exposed to rain.
  - d. the instrument is not functioning properly or performance is impaired.
  - e. the instrument has been dropped or the chassis is damaged.
- Never attempt to repair the instrument on your own; all repairs should be carried out by a qualified technician.

## **KEEP THIS INSTRUCTION MANUAL IN A SAFE PLACE**

### **PREVENTING RADIO/TV DISTURBANCE**

This instrument operates on the radio frequency band. If it is not installed correctly and strictly in compliance with the instructions provided it may disturb the reception of radio-television appliances. Although the instrument you have purchased has been designed in compliance with applicable laws and in such a way as to provide reasonable protection against such disturbances, there is no guarantee that these will not occur. To check whether any disturbance you are experiencing is in fact produced by your instrument, turn it off to see if the disturbance disappears. Turn the instrument on again to see if the disturbance reappears. Once you are certain that your instrument is in fact causing the disturbance, take any of the following measures:

- Adjust the antenna of the radio or TV receiver.
- Place the instrument in a different position with respect to the radio or TV receiver.
- Place the instrument further away from the receiver.
- Connect the plug of the instrument to another socket so that the instrument and the receiver are connected to two different circuits.
- If necessary, call in a servicing technician.

### **POWER SUPPLY**

- When you connect the instrument to other appliances (amplifier, mixer, Midi instruments etc.), ensure that all the units are off.
- Read the recommendations regarding Radio and TV disturbances.

### **INSTRUMENT CARE**

- Clean the surfaces of the instrument with a soft dry cloth. Never use gasoline, diluting agents or solvents of any kind.

### **OTHER PRECAUTIONS**

If you wish to use your instrument in a foreign country and have doubts about the power supply, consult a qualified technician before you leave. The instrument should never be subjected to strong shocks.

### **CURRENT ADAPTERS**

When connecting this instrument to the mains socket, use only the KETRON current adapter supplied with the instrument. The use of different current adapters may damage the power supply circuits of the instrument. It is therefore of fundamental importance to use only an original adapter, requesting the correct model when ordering a new adapter.

### **INFORMATION FOR USERS**

“Implementation of Directive 2002/95/CE, 2002/96/CE and 2003/108/CE on reduced use of dangerous substances in electrical and electronic appliances and waste disposal”.

The crossed bin symbol shown on the appliance means that at the end of its life the instrument must be disposed of separately from other waste. At the end of its life the user should therefore take the instrument to a separate waste centre for electronic and electrical products, or return the same to the dealer when purchasing a new and similar instrument, whichever is applicable. Disposing of the instrument correctly so that it may be consequently recycled and disposed of in an environmentally compatible manner helps to prevent possible negative effects to the environment and health and ensures that the components of the instrument are recycled. Unauthorised disposal of the product by the user entails the application of administrative penalties.



This symbol indicates that in EU countries, this product must be collected separately from household waste, as defined in each region. Products bearing this symbol must not be discarded together with household waste.



# My Folder



Myfolder is a shortcut to access your preferred directories. When you select this function, all the directors that have been “labelled” myfolder (or preferred directories), will be displayed in the list of preferred directories. The function therefore provides quick access without having to scroll through other directories and sub-directors...all you need to do to open the directory you require is touch it.

You may manage your preferred folders by selecting **EDIT**.



You may perform important activities on this page.

- **You may create a Myfolder** directory by selecting **EMPTY**, and then hitting **YES** to confirm the request displayed in the dialogue window.



At this point all you need to do is select the directory and then **INSERT ITEM** to add it to your preferred folders.

- To do this enable the **REPLACE** function and select the directory you wish to replace; the display shows you the current directory where you may select the new directory. Select the directory and then select **INSERT ITEM**.
- Finally, you may also **delete** a directory in Myfolder by selecting the required directory and then the **REMOVE** function.

*Info: Since these are simply “directory links” if you accidentally delete a directory in Myfolder the “real” directory and the files it contains are not deleted.*

## [PLAYER GM](#)

