

# EasyStart

**TRITON-Rack**  
EXPANDABLE HI MODULE/SAMPLER

**KORG**



## TRITON Rack Main Features

- **Incredible "Classic" TRITON sound:** 32MB of waveform ROM, expandable to 160MB with up to 8 EXB-PCM expansion boards and EXB-MOSS
- **World -class Effects:** 102 algorithms, 5 inserts, 2 masters, 3-Band EQ
- Same powerful **Sampling as TRITON "Classic"**: 16 MB RAM (expandable to 96 MB), 48kHz sampling rate, Slicing, Time Stretching, Cross-fade Looping
- **Demo/Song mode** for playback of TRITON-created songs, plus **16-channel Multi-timbral operation with 200 Multi locations!**
- **Dual polyphonic Arpeggiators**, 237 User locations, sync-able to clock and effects
- **Audition Riff function** provides up to 300 riffs to easily try out sounds from the front panel!
- **Built-in Floppy Drive and S/PDIF output**
- **Digital options:** EXB-DI and EXB-mLAN

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## Important information: Load the current Operating System!

Some of the functions covered in this guide are feature enhancements that are only applicable to the latest Operating System. Before using this guide, please download the latest operating system and the PDF manual addendum from the KORG website at [www.korg.com](http://www.korg.com)

## Audio and MIDI Connections

1. Connect power supply ➔ Connect audio cables from L/MONO1 and RIGHT outputs to powered monitor system, or use headphones (front panel phone jack).
2. Connect MIDI cable from controller keyboard **MIDI OUT** to TRITON Rack **MIDI IN**.
3. Power up TRITON Rack, controller, monitor system ➔ Set controller to transmit on **MIDI channel 1**.

## Listen to the Demo Songs

Up to 200 factory demo or user songs can be stored internally and retained in memory for instant playback (approx. 140,000 note memory)

1. Press **DEMO/SONG** key. (Display indicates the 1<sup>st</sup> demo song available) ➔ Press **F5** key (below **START** in display) to playback demo song ➔ Adjust volume (**OUTPUT** knob) to suit ➔ Press **F6** (below **STOP**) to stop playback ➔ To play additional demo songs, slowly rotate **DIAL** ( or use INC/DEC keys) to select desired song ➔ Press **F5** key (below **START**).

**!** Songs recorded on the TRITON-series keyboards can be loaded into the TRITON Rack via disk or SCSI, and then played back with the DEMO SONG function, using the internal tone generator. Loading of TRITON Rack or TRITON-series song file data is covered on the last page of this guide.

## Playing Programs and working with the Audition Riff function

640 internal / 2057 Programs available when fully-expanded – many include one of over 350 Audition “riffs” to listen to sounds in a related musical context.

1. Press **PROG** key ➔ Press **AUDITION** key to playback Audition Riff for Program INT-A000 Noisy Stabber ➔ Press **INC** key to scroll through Programs and demo Audition Riff function for each selected Program ➔ Press **AUDITION** key to stop riff playback.
2. Press **A** through **G BANK** keys (below F keys) to select new internal banks ➔ Select Programs and demo Audition Riff function (INT-F Bank and EXB-Bank Programs do not include Audition Riffs).

**!** **REALTIME CONTROL KNOBS:** The four front panel REALTIME CONTROL knobs can be used to control assigned parameters for every sound, and also in Program mode, while you use the Audition Riff function. The knob movements can also be transmitted to external sequencers.

**!** Internal F-BANK Programs, A-E BANK Combis and optional EXB expansion board Programs and Combis do not include Audition Riffs.

## Selecting Programs by Category

Select by Category function available in Program and Combi modes – for quick access to related sounds.

1. Press **PROG** key ➔ Select and play any Program from controller ➔ Press **F8** key (below **UTILITY**) ➔ Press **F7** key to highlight **Select by Category** ➔ Press **F8** key (below **OK**) to display Programs by Category ➔ Press **<** **CURSOR** key (above **EXIT** key) to highlight **Index** number of Program ➔ To use the Audition Riff function, press **AUDITION** key ➔ Press **INC** key to scroll through and listen to new riffs for each Program in selected category.
2. To change categories, press **>** **CURSOR** key to highlight **Cat:** (category currently selected) ➔ Press **INC** key (or use **DIAL**) to move to new Category – Audition Riff function will continue ➔ Press **AUDITION** key to stop playback ➔ Press **F7** key (below **Cancel**) to exit Select by Category function.

## Selecting and Playing Combinations

**640 internal / 1664 Combis available when fully expanded – each Combi allows for split, layer and velocity-switching of up to 8 Programs, plus dual polyphonic arpeggiators!**

1. Press **COMBI** key ➔ Use front panel **BANK** and **INC/DEC** keys or **DIAL** to select and play Combis.
2. The **Select by Category** function in COMBI mode works the same way as in Program mode above, but the Audition Riff function is not available in COMBI mode.

**!** **EXB-PCM Expansion boards:** If the TRITON Rack you are working with includes installed EXB-PCM boards, you can access and play the Programs and Combis by pressing the **BANK** key, then selecting the desired EXB **A-H** BANK keys, followed by the Program/Combi numbers.

## The Arpeggiators

**2 programmable Polyphonic Arpeggiators - 5 preset / 328 user programmable arpeggio patterns; store 1 per Programs, 2 per Combination, 2 per Multi; sync to MIDI clock with external sequencers; use as a step-grid drum pattern programming tool**

1. Select **Combination A000 Romance Layers** ➔ Press **ARP ON/OFF** key to turn Arpeggiator on, then trigger from controller ➔ Press **SELECT** key (above the floppy drive) until the row **C** LED lights, play and rotate knobs 1-3 to control TEMPO, GATE and VELOCITY ➔ press **ARP ON/OFF** key to turn Arpeggiator off.

**!** Many Programs and Combis are set to automatically turn on the Arpeggiator function when selected. For instance, select COMBI INT-A001 Lonely Moon, and note that the ARP ON/OFF LED is lit. Play your controller to trigger the pre-assigned patterns.

**!** Most Programs and Combis include pre-assigned arpeggiator patterns. Try selecting PROGRAM INT-A019 Camera Strings, and then press the ARP ON/OFF key to turn the Arpeggiator on (lit). Play your controller to hear the pre-assigned pattern.

**!** More on the Arpeggiator functions, including editing and recording/sync applications in the TRITON Rack Owner's manual and TRITON USER GUIDE ([korg.com](http://korg.com)).

## Tap Tempo Control

You can quickly and easily adjust the tempo in Program, Combination and Multi modes.

While using the Arpeggiator, playing a sequence, pattern or RPPR, press the **ENTER** key several times at the desired tempo.

## The Effects

**5 stereo insert and 2 master effects plus 3-band EQ for every Program, Combi and Multi, select from 102 available effects including dynamic modulation, plus many sync-able effects.**

1. In COMBI mode, select **Combination INT-A 001 Lonely Moon** ➔ Press **MENU** key (below DIAL) ➔ Press **F7** key until **IFX** is highlighted in display ➔ Press **F8** key and overview the five stereo insert effects in this Combination.
2. Press **MENU** key ➔ Press **F7** key until **MTX** is highlighted in display ➔ Press **F8** key and overview the two master effects and 3-band EQ ➔ Press **EXIT** key (left of MENU key).

**!** *Editing pages for insert and master effects are accessed by pressing F-keys below desired effect tabs in the display. More on effect routing and editing can be found in the TRITON Rack Owner's Manual and TRITON USER GUIDE (korg.com).*

**!** *REALTIME CONTROL knobs 3 and 4 are set to control insert (3) and master (4) effect wet/dry balance for most Programs and Combis selected. Try this when working with the Audition Riff function in Program mode.*

**!** *Up to 5 stereo insert effects are available in SAMPLING mode, so that you can sample through the insert effects. Once the multisample is converted to a Program, additional insert effects can then be used in the new Program if desired.*

## Sampling Overview

**16 Mbyte sample memory, expandable to 96 MB with SIMM modules (3 slots); 48k/16 bit linear mono and stereo sampling- up to 1000 multisamples/4000 samples; compatible with AIFF, WAVE, AKAI S1000/3000, Korg sample formats.**

### Additional Features:

- **Sampling time:** Fully expanded, the TRITON-Rack allows for up to 17 minutes/28 seconds of sampling time.
- **Visual Waveform Editing:** The display makes viewing and editing sample data easy! Zoom in and out; quickly-set loop editing points; use the Grid display based on BPM tempo values, etc.
- **Time Slice:** Detects attack impulses of sample and cuts up into smaller elements – useful for dividing up a rhythm loop to change tempo without affecting pitch and visa versa. Source BPM (beats per measure) of the sample data can be manually or automatically.
- **Crossfade Loop:** Smoothes out irregularities in long loops – useful for reducing clicks and pops that may occur at the loop point.

**!** *More information on Sampling mode in the TRITON Rack Owner's Manual, TRITON USER GUIDE and TRITON 2.0 Update Guide (korg.com).*

## Multi Mode

Up to 200 16-part Multis can be created, for use with external sequencers; Triton song (.SNG) data can be loaded as track templates into Multi mode, including pattern and RPPR data, plus SMF patterns; Songs can be loaded into DEMO/SONG mode as factory and user song play demos

1. Press **MULTI** key (upper-right) ➔ Press **F2 – F5** keys to overview Program and Mix parameters for timbres 1-16 ➔ Press **EXIT** key.
2. In the same way as Effects section above, select and overview the insert and master effects / EQ pages for the selected Multi.

**!** *Multis created can be saved and loaded as Template Multis (16 user) for quick access when creating external sequences in various musical applications, including specialized effect routing setups!*

**!** *Combinations and insert / master effects can be easily copied from internal memory into a Multi. See the TRITON Rack Owner's Manual for more information.*

## RPPR (Real Time Pattern Play Record) Mode

Assign patterns to each note of a controller keyboard and trigger in real time, record 1 RPPR set per Multi; 150 preset patterns, 100 user patterns; approximately 140,000 note internal memory in Multi mode.

1. Press **DISK** key ➔ Load "**RPPRDEMO.SNG**" from the TRITON-Rack **TNRFD-00P** disk (disk load procedure is on the back page of this guide).
2. Press **MULTI** key ➔ Make sure that "**000: FEVER**" is selected as the Multi ➔ Make sure that "Control Track" is set to "T01:Drums 1" and "RPPR" box (upper-right) is checked, and that controller is set to transmit on MIDI channel 1.
3. Play notes above C#2 on controller to trigger patterns assigned to this RPPR set. Note that pressing a note (C1 – C2) will stop pattern playback (Shutdown keys).

**!** *Up to 72 patterns (preset and/or user) can be assigned across the controller keyboard. Notes where patterns are not assigned will play normally. For instance, you could assign RPPR drum and bass patterns to the lower range, and play live organ/lead sounds in the upper range.*

**!** *Create new samples, time slice, create a pattern, and then assign to an RPPR set!*

**!** *For more information see the TRITON Rack Owner's Manual and the TRITON USER GUIDE (korg.com).*

## TRITON Rack Main Features

- The powerful sound and sampling functionality of the TRITON Music Workstation / Sampler in a 2-space rack module.
- The number of possible Programs and Combinations has been expanded to 2057 Programs and 1664 Combinations.
- In addition to S/PDIF digital output, you can add 6 channels of ADAT-compatible output with the optional EXB-DI Digital Interface Board.

- **The TRITON-Rack is the first Korg product to offer optional support for mLAN – the new and powerful digital network designed for musical applications.**
- **A total of eight EXB-PCM expansion boards can be installed; each with its own dedicated Bank for Programs and Combinations.**
- **Three SIMM modules can be installed to expand the sampling memory to 96 Mbytes.**
- **The Audition Riff function provides over 350 riffs appropriate for different types of sound, to easily try out sounds right from the front panel, without an external keyboard.**
- **TRITON song data can be played back with the TRITON-Rack DEMO/SONG mode, and loaded via floppy disk or optional EXB-SCSI Interface Board and an external drive.**

## TRITON Rack available options

- **EXB-MOSS DSP Synthesizer Board:** 13-oscillator, 6-voice MOSS (Multi-Oscillator Synthesis System) allows many types of physical modeling, plus VPM (variable phase modulation) synthesis. MOSS Programs can be used with PCM Programs in Combinations or Multis. 128 MOSS Programs and 63 MOSS Combinations added when installed.
- **EXB-DI Digital Interface Board:** Adds ADAT optical connectors (6 channels) to the TRITON-Rack.
- **EXB-mLAN Interface Board:** Allows connection to other mLAN-compatible electronic musical instruments and computers, allowing high-volume transmission and reception of audio and MIDI data.
- **EXB-SCSI Interface Board:** Allows you to save and load TRITON series data via an external SCSI device. You can also load AKAI (S1000/3000) sample and program files, and Korg, AIFF, or WAVE format sample files. Internal TRITON-Rack sampling data can be exported as AIFF or WAVE format sample files for further editing on computer-based systems.
- **EXB-PCM Expansion Boards:** Each provides 16 Mbyte of new PCM sounds plus a disk with Programs, Combinations, Arpeggio and RPPR patterns.

## Disk Load procedures

### To load and play the Factory Demos into DEMO/Song mode:

1. Insert TRITON-Rack **TNRFD00P** disk into drive ➔ Press **DISK** key ➔ Press **F1** key (Load) ➔ Press **CURSOR** key to highlight "**DEMOSONG.SNG**" in display ➔ Press **F8** key (UTILITY) ➔ Press **CURSOR** key to highlight "**Load to Demo Song**" ➔ Press **F8** key (below "OK") to load demo songs. Press **F5** key (below START) to playback.

**!** *If you need to re-load the factory Program, Combination and Global data from disk, follow the same procedure as above, only navigate to and load the file on the TNRFD00P disk: "PRELOAD.PCG".*

**!** *Be aware that the above load procedures will overwrite any demo song, Multi or .PCG data in internal memory!*

**A word about the TNRFD01P disk:** This disk contains the sample data used for the demo song "Deep Cut" (DCUT\_SMP.KSC). Navigate to this ".KSC" (Korg Script) file and load the data as above in order to have this sample data playback in the song. Note that this will overwrite internal sample data you've loaded, unless you set the "KSC Allocation: Clear" to "Append". For more information, see the TRITON-Rack Owner's Manual, page 80 (Disk Mode).

### **How to load the Factory sounds and demo songs:**

**From time to time you may wish to reload the factory data to internal memory. The TRITON-Rack ships with two disks: TNRFD00P and TNRFD01P. Locate both disks for the following steps:**

1. Clear internal memory by powering **OFF**, then **ON** the TRITON-Rack. This will clear the current Sample RAM and Multi areas. Be aware that the following procedure will also overwrite all Demo Songs currently in memory. Note: If you have custom sounds, songs or sample data loaded, make sure that this data is backed up to disk before proceeding (see TRITON-Rack Owner's Manual page 83 for more information).
2. Insert TRITON-Rack TNRFD00P disk into drive → Press DISK key → press F1 key (Load) → Press CURSOR key to highlight "PRELOAD.PCG" in display press F8 key (UTILITY) → Press CURSOR key to highlight "Load selected" → Press F8 key (below "OK"). The display will prompt "Load a Multi" → Press CURSOR key to highlight "Load track events", then rotate the DIAL to "check" the "Load track event" box → Press F8 key (below "OK") to load this song into Multi 000.

### **Now to convert the Multi to a Demo Song:**

3. Press the **DEMO/SONG** key → Press **F8** key (below "UTILITY") → Press **F8** key again (below "OK" – "Make Demo Song" will be highlighted) → Display will now prompt "Current Drum/Arpeggio edits will be cleared" – Press **F8** key again to convert Song 0 (Multi 000) to Demo Song 000.

### **Finally, to load the TRITON sample data for this song:**

4. Press **DISK** key → Press **F5** key (below UP) → Press **CURSOR** key to highlight "**PRELOAD.KSC**" → Press **F8** key (below UTILITY) → Press **F8** key 2 more times to load .KSC file. The display will prompt Where is "GOSPE000.KMP file".
5. Eject the disk from the drive and insert the TRITON **TNFD01P** disk, then press the **DISK** key again – the "PRELOAD" file on the second disk will be highlighted → Press **F8** key (below Select) and the sample data will load.

### **Playback the Demo Song:**

6. Press the **DEMO/SONG** key, then press **F5** key (below START) to playback the demo song "Deep Cut". After the song is finished, press **F6** key (below STOP) to stop playback. The song will remain in memory and can be played back even after power-off, but remember that you will then need to reload the sample data.