



**V Expressions Ltd**

# TRUE ACOUSTIC SERIES

## **ELEVATE Volume I Expansion Pack**

a sound enhancing expansion pack for the Roland TD-27 Version 2.0 Drum Module

**JAZZ, FUSION, ROCK/POP**

# **TD-27 v2**

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## Introduction

Thank you for purchasing V Expressions Ltd.'s **TRUE ACOUSTIC SERIES: ELEVATE VOL I** for the Version 2.0 TD-27!

The **ELEVATE VOL I** Kits are optimized with enhancements from the TD-27 Version 2 Firmware. You must have a Version 2 Firmware TD-27 for ELEVATE VOL I to load properly into your module.

Built for performance and playability. This pack will excel in both the Live Setting and Recording/Session situations. Ambience and Master Effect Verbs have been designed to enrich the drum models.

**BONUS: ELEVATE VOL I** is supplied with an additional **DRY** version to satisfy all the Acoustic Purists who do not like Effects or Reverbs.

Featuring classic and modern acoustic drum sounds with emphasis on **Jazz, Fusion, and Pop/Rock** influence. These drum kits are sure to embrace your performance in these selected music genres. The delicate jazz kits perform precisely with your nuances, subtleties, and finesse. A pop kit that fills the pocket perfectly. Great Rock kits, some with 5 Tom programming, enhance the playing experience. All kits designed for recording, session and live work.

### We Got You:

**ELEVATE VOL I** contains 31 uniquely designed kits. Using blended and layered sounds, this pack features vintage styled acoustic drum sounds. These drum kits will fit the needs of your performance style. Crafted to embrace playability for the acoustic purist— the tones and pitches selected will maximize all performances. The cymbals are blended with the kits through this pack. Zildjian K, Zildjian Vintage, Soultone, Paiste Signature/Formula 602 and Meinl Byzance have been carefully patterned.

**Production:** The drum sets in this pack are built for **finesse, playability, and true acoustic achievement.**

The collection of snares, toms, kicks and cymbals will inspire any drummer and **ELEVATE** the performance.

For all experience levels and functionality, this pack will deliver a great enhancement to the TD-27. All three AUX triggers have been programmed and optimized for a 3-5 tom setup with additional cymbals. Aux 3 will generally be a low pitch floor tom (depending on the model). Aux 1 will be the highest pitch Tom on kits that feature a 5 Tom setup / otherwise a common splash/crash cymbal.

The **ELEVATE VOL I** expansion pack has been ear-created on the V2 TD-27 from scratch on a highly expressive platform.

**Exclusively created V Expressions Ltd sample .WAV data has been utilized.** These samples have been used in the sub layer instrument setting to supply the kits with unique sounds without affecting performance, dynamic feel, and adaptive response.

# ELEVATE VOL I Kit Listing

## Kit descriptions:

			<u>With Sample</u>	<u>FX KIT #</u>	<u>DRY KIT#</u>
38. Olive Badge	71 Sparkle	4 Tom		301	332
39. Sonor Designer	1995 26/17.5 Kik	4 Tom		302	333
40. B303 London	68 Premier Collector	4 Tom		303	334
41. Gretsch	59 Progressive Jazz	3 Tom		304	335
42. Stretched	99 Yama Stg Custom	4 Tom		305	336
43. Boosey&Hawkes	49 Big Swinger	3 Tom		306	337
44. Ajax Starter	51 Wht Marine PRL	4 Tom		307	338
45. Pure Ref Pearl	14X5 Snare 25 ply	5 Tom		308	339
46. No VERB	81 Chrome Classic DLX	4 Tom		309	340
47. Swingin 40's	Resort Jazz	3 Tom		310	341
48. Unboxed	Sonor Force	4 Tom		311	342
49. Open Road	Beverley UK	4 Tom		312	343
50. Pop Standard	Produced	4 Tom		313	344
51. Ludwig S/Blk	Rocker	4 Tom		314	345
52. Dyna Mite	67 Rogers	5 Tom		315	346
53. Trixed Lite	GMN 1960's	4 Tom	Sample	316	347
54. Hooked Phonic	Rock 79 Phonic	4 Tom		317	348
55. PRoJecTshUn	89 Projector British	4 Tom		318	349
56. Birchness Lt	Sonor Speakers/PA	4 Tom	Sample	319	350
57. Traveler	Pearl MLX 16 Kick	4 Tom	Sample	320	351
58. Vermont MPL	Keller Custom	4 Tom		321	352
59. Top 40 Pure	Hybrid A1Cow/T1Clap	4 Tom		322	353
60. Prog Rock	VNTG 84 Gretsch	4 Tom		323	354
61. 70's Snap	Super Sensitive	4 Tom		324	355
62. Heat Shined	Low & Tite	4 Tom		325	356
63. Story Book	Americana	4 Tom		326	357
64. Monster Kit	73 Slingerland	5 Tom		327	358
65. Sugarman 68	Camco Zil A	4 Tom		328	359
66. 60's Jazz Brush	4 Pc Vox	2 Tom	Sample	329	360
67. Pure Acoustic	VNTG Rides Aux 1/2	3 Tom		330	361
68. Fusion 6 pc	Yamaha Abs	4 Tom		331	362



# ELEVATE VOL I

## DRUM KIT GUIDE

38. Olive Badge                      71 Sparkle  
1971 Ludwig 3 Ply Maple, 22 kick, 14 Snare, 12/13/14/16 toms
39. Sonor Designer                      1995 26x17.5 Kick  
Sonor Designer Maple, 26 kick, 14 Snare, 10/12/16/18 toms
40. B303 London                      1968 Premier Collectors  
Premier, 1968 Mahog Shells - 22 kick, 14 Snare, 12/13/15/16 toms – Zildjian Vintage
41. Gretsch                      Progressive Jazz  
Gretsch, 1959, 20 kick, 14 Snare, 13/14/16 toms
42. Stretched                      Yama S Custom  
Yamaha Stage Custom, 1999 Stage - 22 kick, 14 Snare, 10/12/14/16 toms – Paiste
43. Boosey & Hawkes                      49 Big Swinger  
UK made B&H, 1949 De Luxe Shells - 28 kick, 14 Steel Snare, 13/14/16
44. Ajax Starter                      51 WMP  
Ajax Shell UK, 1951 - 22 kick, 14 Snare, 12/13/15 toms
45. Pure Ref Pearl                      14X5 Snare 25 ply  
Pearl Reference Pure, 2023 Birch - 22 kick, 14 – 25 ply Snare, 10/12/14/16/18 toms
46. No VERB                      81 Chrome Classic  
Ludwig Stainless Chrome Classic, 1981 - 22 kick, 14 Snare, 10/12/13/16
47. Swingin 40's                      Resort Jazz  
WFL - 28 kick, 14 Snare, 13/14/16 toms – The Chief.
48. Unboxed  
Sonor Force 1997, Birch Shells - 22 kick, 14 Snare, 10/12/14/16 toms – Zil K Jazz
49. Open Road                      Beverley UK  
Premier Factory / Beverly, 60's Mahog 3 ply Shells - 22 kick, 14 Snare, 12/13/14/16 toms
50. Pop Standard                      Produced  
Noble & Cooley, 1999 Maple Shells - 20 kick, 14 Steel Snare, 10/12/14/16 toms
51. Ludwig S/Blk                      Rocker  
1990s Rocker – Silver Black Badge - 22 kick, 14 Snare, 12/13/14/16 toms

52. Dyna Mite                      67 Rogers  
Rogers Dynasonic - 22 kick, 14 Snare, 10/12/13/16/18 toms
53. Trixed Lite                      GMN 1960's  
Trixon, 1960's, 20 kick, 14 Steel Snare, 12/13/14/16 toms
54. Hooked Phonic  
Sonor Phonic, 1979- 24 kick, 14 Steel Snare, 13/14/16/18 toms
55. PRoJecTshUn                      89 British  
Premier Projector, 1989- 6 ply Birch Shells - 22 kick, 14 Snare, 12/13/16/18 toms – Zil K
56. Birchness Lt                      Sonor Speakers/PA  
Sonor S Classix – Birch Shells- 22 kick, 14 Snare, 10/12/14/16 toms – Zil Dark K
57. Traveler                      16 kik 10 snr  
Pearl BLX, short stack kit, stackable 1 sided, 16 kick, 10 snare, 8/12/14/15
58. Vermont Maple                      Keller Custom  
Custom Build, 1995 - 22 kick, 14 Snare, 10/12/14/16 toms – SAB AAX
59. Top 50 Pure                      HYB A1Cow / T1 Clap  
Pearl Reference Maple HYBRID Shells - 24 kick, 14 Snare, 12/13/16/18 toms
60. Prog Rock                      Vintage 84 Gretsch  
Gretsch, 1984 Maple Shells – 24 kick, 14 Snare, 12/13/15/18 toms
61. 70's Snap  
Ludwig 402 Super Sensitive, 1977 - 22 kick, 14 Steel Snare, 12/13/14/16 toms – Paiste
62. Heat Shined                      Low & Tite  
Tama Artstar, 1992 - 24 kick, 14 Steel Snare, 12/13/16/18 toms
63. Story Book                      Americana WFL  
50s WFL, 22 kick, 14 Maple Snare, 13/14/15/16 toms
64. Monster Kit                      73 Slingerland  
Slingerland, 1973 - 22 kick, 14 Snare, 10/12/13/14/18 toms
65. Sugarman 68                      Camco / Zil A  
Camco - 1968 - 20 kick, 14X5 Snare, 12/14/16/18 toms, Zil A
66. 60s Jazz Brush                      4 pc  
Vox, Beech shells, 22 kick, 14 Snare, 13/16 toms
67. Pure Acoustic                      Vintage Rides A1/2  
Ludwig Hollywood, Maple/Poplar - 22 kick, 14 Snare, 12/13/16 toms
68. Fusion 6 PC                      Nouveau  
Yamaha - 22 kick, 14 Snare, 10/12/14/16 toms

## Preparing your Expansion

To increase customer understanding and awareness, we proudly offer this step-by-step instruction manual to ensure quick and smooth implementation with our expansions.

Comprised of both Roland's and our very own streamlined step-by-step instructions, this helpful document will answer all your questions and get you on your way to playing your new kits.

## IMPORTANT - READ BEFORE CONTINUING!!

Accidents can always happen!

**We highly recommend backing up your current module to save personal modifications before loading any expansion from V Expressions Ltd. It is important you follow our steps in this guide to achieve the best results during the processes of module back-up, file preparation, and loading of your new V Expressions Ltd expansion.**

**NOTE:** To preserve your pad setup, user sample list, 28 channel driver input settings including all local/vendor custom settings for DAW use, and any custom kits you've created – **Make a backup of your setup configuration to the SD card.**

Your module's **factory reset data is never touched**, and this original factory state of your module can always be reset at any time.

Please take a moment to read all procedures below before attempting them. If you have questions before attempting any of the procedures below, please refer to your Roland TD-27 Reference or Quick Guide manual, or feel free to email **V Expressions Ltd** from the appropriate link on our website at [www.vexpressionsltd.com](http://www.vexpressionsltd.com)

**When you are ready to begin, start with Section I below.**

## Section I: Apply Latest Updates

**FOR YOUR INSTALLATION AND EXPANSION TO WORK PROPERLY, YOUR MODULE MUST HAVE THE LATEST FIRMWARE UPDATE(S) IMPLEMENTED BEFORE YOU BEGIN!**

Version 2.00 (0055) firmware is required to load these files.

## Section II: Formatting your SD Card in the TD-27

*See page 24 in your TD-27 manual*

**Skip to Section III if you have already used SD Card with your module!**

**If you have never used your SD Card with your module, and have no data on it, you may format the SD Card in the module to create your Roland folder structure.**

**IMPORTANT! Any data on the SD Card WILL BE deleted by formatting the SD Card in the module!**

- Step 1:** Carefully insert your SD Card into the TD-27 module.
- Step 2:** Press the **SYSTEM** Button.
- Step 3:** Scroll to SD Card and Press Enter
- Step 4:** Use the dial to select SD Card Format and Press **FORMAT**
- Step 5:** Arrow Right and Press **ENTER** (OK) to confirm and execute the format.

*Note: Press Cancel if you do not wish to Format your SD Card.*

## Section III: Backing Up the TD-27

*See page 25 in your TD-27 manual*

**Make a backup of your module before you continue!**

**Step 1:** With SD Card in the TD-27 module, Press the **SYSTEM** button

**Step 2:** Press SD Card, then **ENTER**.

**Step 3:** Use the dial to choose Save, then **ENTER**.

**Step 4:** Use the dial and arrow buttons to make backup settings – choose an empty backup other than 20/21.

**Step 5:** Press **SAVE F5** (Press **F4** at this time if you want to NAME backup once done Press **EXIT**)

**Step 6:** Press **EXECUTE**, Arrow Right and then Press **ENTER**.

*Note: Press Cancel at any time if you do not wish to Save a backup to your SD Card.*

**IMPORTANT:** Once saved, remove your SD Card from TD-27 and insert into your computer/laptop. Copy the Roland folder to your Desktop. Do not move it there, only copy it, so it leaves the Roland folder on the SD Card as well. This will preserve a copy of your module on your computer before any V Expressions changes have taken place.

### Section III: Preparing Your Expansion

**Memory Loading Requirements:** A Standard SD CARD (64Mb-32GB) and a computer/laptop with an SD Card reader.

#### Backup File Information

- **ELEVATE VOL I** Kits are optimized with enhancements from the TD-27 Version 2 Firmware.
- **Backup #22 (BKUP-022.TD0)** (ELVT VOL I FX) is supplied to bulk load the kits. **Effected Version – Ideal for Recording**
- **Backup #23 (BKUP-023.TD0)** (ELVT VOL I DRY) is supplied to bulk load the kits. **Dry Version – Ideal for the Acoustic Purist**
- **Kits 301-331 are supplied:** to individually load each kit. FX VERSION
- **Kits 332-362 are supplied:** to individually load each kit. DRY VERSION
- Load the kits via the **1 KIT LOAD** feature to preserve your trigger settings.
- Module Kits 1-37 / 69-100 are Roland Factory.
- Module Kits 38-68 are **ELEVATE VOL I** when bulk loading.
- All **ELEVATE VOL I** kits are optimized for stereo headphone monitoring and LIVE use.
- Roland Digital Pads and all Aux triggers are supported.
- The Roland Digital Hi Hat, Snare, and Ride were used to create this pack.
- The pack will still perform fine without the digital pads if you don't own/use them.
- All **ELEVATE VOL I** Drum kits are supplied with the Snare Crosstick active using the PD140-DS.
- To best optimize your trigger performance, please read the Performance Settings Guide on pages x / xi / of this manual.

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#### Sample Data Information

- Samples are embedded in the backup file you downloaded and will load automatically.
- Avoid: Renaming or Optimizing the **ELEVATE VOL I** Sample Data after it loads. Doing so may harm the model.

### Section III: Preparing Your Expansion

*Continued*

Remember! To properly load the files from V Expressions Ltd successfully to your TD-27 Module, your SD Card **MUST** be properly structured.

If you have never used your SD Card, you must format your new SD Card in the TD-27. This will create the proper file system.

If you have previously made a backup of your module, double check the folders are available on your SD Card. (see your download file structure for an example)

**We recommend Sony and SanDisk SD CARDS.**

#### A) Copying your EXPANSION Backup File to your SD Card.

**Step 1:** Carefully insert your SD CARD into your computer's SD CARD Reader.

**Step 2:** From your Desktop, locate the file: **BKUP-022/023.TD0** from the download you received from us.

**Note: Choose Backup 20 for Effects Version/Recording. Backup 21 for Acoustic Purists who don't like Reverb / Effects.**



**Step 3:** Open your SD Card.  
**Step 4:** Open the Roland Folder.  
**Step 5:** Open the TD-27 Folder.  
**Step 6:** Open the **Backup** Folder. (*Roland→TD-27→Backup*)  
**Step 7:** Copy or Drag **BKUP-022/23.TD0** into the **Backup** folder. Renumber the duplicate (if it exists).  
**Step 8:** Once verified **BKUP-022/23.TD0** is placed in the **Backup** folder, you may close & eject the SD Card.

**NOTE:** If BKUP-022/23.TD0 does not get loaded properly to the **Backup** folder on the SD Card – The module can't find it.

#### **B) Copying your EXPANSION Kit Files to your SD Card.**

**Step 1:** Carefully insert your SD CARD into your computer's SD CARD Reader.  
**Step 2:** From your Desktop, locate the **Kit** Folder from the download you received from us.  
**Step 3:** Open your SD Card.  
**Step 4:** Open the Roland Folder.  
**Step 5:** Open the TD-27 Folder.  
**Step 6:** Open the **Kit** Folder. (*Roland→TD-27→Kit*)  
**Step 7:** Copy or Drag: **Kit files 301-331 FX /332-362 DRY** into the **Kit** folder. Renumber or remove the duplicates (if they exist).  
**Step 8:** Once verified **Kits 301-362** are placed in the **Kit** folder, you may close & eject the SD Card.

**NOTE:** If Kits 301-362 do not get loaded properly to the **Kit** folder on the SD Card – The module can't find them.

### **Section IV: Loading Your Expansion**

*See page 24 in your TD-27 manual*

#### **IMPORTANT – PLEASE READ.**

#### **BULK - All kits at ONCE:**

**This loading procedure is for quick loading.** It will **NOT** Preserve your Trigger/ Pad Settings.

Skip to individual loading if you have custom trigger settings.

For a Quick Load: Bulk Loading of ELEVATE VOL I.

**Kits 1-37 / 69-100 will be factory. Kits 38-68 will be ELEVATE VOL I**

**Choose the backup that best suits your EFFECTS LEVEL preference.**

Backup 22: Effected Version for Recording (ELVT VOL I FX)

Backup 23: Dry Version for Acoustic Purists (ELVT VOL I DRY)

**Step 1:** Carefully insert your SD CARD into the TD-27.  
**Step 2:** Press **SYSTEM**.  
**Step 3:** Press **SD Card** then **ENTER**.  
**Step 4:** Arrow to **LOAD** then **ENTER**

Use up/down arrows and dial to specify settings.

**Step 5:** Use Dial and Scroll to: **BANK 22 or 23. ELEVATE VOL I FX/DRY**  
 (If you don't see it, scroll to 22/23 – or reload the pack to your SD Card/ Backup folder)

**Step 6:** Press **LOAD**.  
**Step 7:** Arrow Right and Press **ENTER**.

#### **IMPORTANT:**

Check all your pad settings and correct if needed.

**You MUST Re-Calibrate your VH Series Hi Hat. Then, Re-save to the SD Card.**

## RECOMMENDED LOADING PROCEDURE – PLEASE READ.

### Loading your kits individually: from the SD Card

You will load ELEVATE VOL I individually by loading each kit (one by one).

Each non sample kit takes about 2 -4 seconds to load, Sample kits take 5-10 seconds to load.

**This method of loading the kits preserves trigger and pad settings and helps:**

- 1) **Most VAD users / acoustic & third-party trigger users**
- 2) **When custom trigger settings have been created**
- 3) **When you are using the USB output to connect to DAW using local/vendor settings and drivers**
- 4) **When you have a fully custom trigger setup/pad configuration**

To load kits individually from your SD Card: **USE the 1 KIT LOAD FEATURE**

- **Step 1:** Insert your SD CARD into the TD-27 module.
- **Step 2:** PRESS **SYSTEM** and select **SD CARD** then Press Enter.
- **Step 3:** Select **1 KIT LOAD**, Press ENTER.

Use up/down arrows and dial to specify settings.

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- **Step 4:** Select Kits 301-362 (depending on your EFFECTS LEVEL preferences) to load. These are the **ELEVATE VOL I** kits.
- **Step 5:** View the line: ☒ - With User Sample (see note below)

#### **NOTE:**

On some kits: User Sample may or may not be checked - ☒

*(Keep it checked when it automatically appears checked)*

*(If it's not checked/unable to check, don't worry about it - the kit doesn't contain user samples)*

- **Step 6:** Arrow down and use dial to select a kit to load

**(ELEVATE VOL I FX kits are # 301-331)**

**(ELEVATE VOL I DRY kits are # 332-362)**

Arrow Down and use dial to select a destination kit (this kit will be overwritten)

- **Step 7:** Press **LOAD**.
- **Step 8:** Arrow Right, and Press **ENTER** to load Kit.  
(Sample Data will automatically load and category in your User Sample section)

Repeat Steps 6-8 until all kits you want are completed

Once all kits are loaded / or you are complete – run (or check) the offset calibration on your VH Series HI HAT. This will help align the Hi Hat to the new kits. Make a backup to the SD Card is recommended.

**ELEVATE VOL I Kits Description:** See page iv of this manual for details

## Pad Configuration

The pad assignments and trigger information are set to standard Roland TD-27 KV w/ default trigger settings for the following pads:

Kick:	KD-10
Snare:	PD-140DS
Tom(s) 1-3:	PDX-100
HH:	VH-TYPE
Ride:	CY-TYPE
CR1/2:	CY-TYPE
Aux 1-3:	PD TYPE

ELEVATE VOL I kits load individually and will not harm your trigger settings.

**\*\* If not done so already:** Remember to recalibrate your Hi Hat offset after loading. This will help align **ELEVATE VOL I** with your kit HH config.

*Note: Try not to overdrive your pad triggers. Lower Sensitivity as much as possible without losing all your volume.*

## My Pad & Trigger Settings

**IMPORTANT:** If your pad setup is custom, you should write down any/all of your pad types and/or custom trigger settings you may have adjusted. If you ever load new firmware, you will need to recreate all the custom pad settings you have made. (pad type, sensitivity, re-trig, etc.)

Note: If you are using a standard Roland Default Bank setup ie: Bank 1: TD-27KV or Bank2: 503/506 VAD – then you can skip this step

If you are using custom trigger, older Roland pads, or other hardware: Please take a moment to write down your personal pad and trigger settings before loading your expansion.

IE: Kick drum is a KD-10, Snare is a PD-140 DS, Tom 1 is a PDX-100.....

Kick:	
Snare :	
Hi Hat:	
Ride:	
Tom 1 :	
Tom 2:	
Tom 3:	
Crash 1:	
Crash 2:	
Aux 1:	
Aux 2:	
Aux 3:	

## Performance Settings

### Trigger Sensitivities...

Roland Default TD-27 Sensitivities range from 6-9 depending on which pad you strike. The rule is: the higher the sensitivity setting, the louder the sound will be, but you lose dynamics.

By adjusting the Sensitivity and Threshold settings, this will help prevent mis-triggers, velocity issues, and playability concerns you may be having.

To adjust up or down: go to Pad Settings and mess with the Sensitivity values. Remember: Increasing this value increases the sensitivity, so that even soft strikes on the pad are sounded at high volume (less dynamic). Decreasing this value too much reduces sensitivity, so that even strong strikes on the pad are sounded at low volume (less dynamic). Finding the middle road while you play your drum kit is key.

*Note: Try not to overdrive the pad sensitivities with your playing. Look at the meter on the module and try to keep the hardest strikes just below max velocity*

### Trigger Threshold...

Threshold pertains to the minimum sensitivity of the pad. This setting allows a trigger signal to be received only when the pad is hit above a determined force level (a.k.a. velocity). Threshold can be used to generally prevent a pad from mis-triggering because of vibrations from other drums/pads. Check this with your pads and adjust accordingly. Usually a setting ranging from 2 to 6 is acceptable, but if you still find mis-triggering happening, keep adjusting up. This setting works in tandem with the XTALK setting.

### Advanced Trigger Settings...

**SCAN TIME:** 1.4 is optimal / 2.0 is standard

**Strike Force:** You may notice that identical hits (velocity) you play may produce sound at different volumes. Adjust the “Scan Time” so your way of hitting/playing can be detected more precisely by the module. While repeatedly hitting the pad at a constant force, gradually raise the Scan Time value from 0ms, until the resulting volume stabilizes at the loudest level. At this setting, try both soft and loud strikes to make sure that the volume changes appropriately. With higher settings, latency increases so set this to the lowest value possible you are comfortable with

**RETRIG CANCEL:** 1 for Roland Pads is standard – 6 for all types of Roland CY Cymbals is standard.

Correcting mis triggering:

Important when you are especially using acoustic drum triggers or “non” Roland brand triggers. Many aftermarket triggers produce altered waveforms, which may also cause mis-triggering. This occurs at the decaying edge of the waveform which is annoying when you hear it. Retrig Cancel detects this and prevents it from occurring. To Adjust: while repeatedly striking the pad, raise the “Retrig Cancel” value until retriggering no longer occurs. Although setting this to a high value prevents retriggering, it then becomes easy for sounds to be omitted when the drum is played fast (roll etc.). Set this to the lowest value possible while still ensuring that there is no retriggering.

You can also eliminate this problem of retriggering with the Mask Time setting. Mask Time does not detect trigger signals if they occur within the specified amount of time after the previous trigger signal was received. Retrig Cancel detects the attenuation of the trigger signal level and triggers the sound after internally determining which trigger signals were actually generated when the head was struck, while weeding out the other false trigger signals.

**MASK TIME:** 4-8ms is optimal / 8-10ms is standard.

Double triggering prevention: When playing a kick trigger – it is quite common for the beater to bounce back and hit the head a second time immediately after the intended strike. Many times, on acoustic drums the beater stays against the head and you do not hear it. Anyway, this bounce back causes a single hit to “double trigger.” The Mask Time setting helps to avoid this extra dbl trigger. Once a pad has been hit, any additional trigger signals occurring within the specified “Mask Time” will be ignored.

Adjust the “Mask Time” value while playing the pad.

When using a kick trigger, try to let the beater bounce back and hit the head very quickly, then raise the “Mask Time” value until there is no more sound made by the beater rebound.

**XTALK CANCEL:** 15-30 is optimal / 30-80 is standard and will depend on your setup.

Do not be afraid to max these values out. When multiple pads/drums/cymbals are attached to the same stand, this Crosstalk Cancel setting prevents vibrations produced by a strike from falsely triggering the other pads/drums/cymbals. For example, if Crash 2 is falsely triggered when you strike TOM 2, you will increase the XTalk Cancel value of Crash 2 until crosstalk no longer occurs.

**Note:** If the setting is too high, a strike played on Crash 2 **might** be omitted when Tom 2 and Crash 2 are played simultaneously. If you experience this lower both XTALK values on both pads.

## Tips & Tricks

Using **ELEVATE VOL I** with a live PA.

The **ELEVATE VOL I** expansion kits are programmed to enhance the drum sound on a PA.

**ELEVATE VOL I** kits are optimized for STEREO/HEADPHONE Monitoring and LIVE output use. The settings below will help dial in your drum sound thru speakers.

**Room/OverHeads/MFX Reverbs:** Avoid the larger hall settings when performing. Most of time: Less is more. **To adjust: Press “KIT EDIT”, then “ROOM – OVERHEADS - MFX”**

**PAN:** Tom and cymbal separation can also be adjusted using the PAN edit feature to widen or reduce the depth of your instruments without harming the kit model. Keeping a tighter pan will sound better through a smaller PA.

**Master EQ:** Reduce or Add low/hi eq frequency amounts to even out your kit models on the PA. Use PAD EQ settings to help fine tune the sounds of the kit. Sometimes reducing Bass is the way to add Treble. Subtractive EQing works well with Boomy PA's.

**SNARE EQ/VOL:** To help your Snare cut through the mix.... Snare depth is at 160-250 HZ, Snare body is at 1K, Snare snap is at 2 KHZ, and snare wire clarity is at 6.3 khz. Adjust the EQ frequencies in your snare channel until your Snare is cutting while guitars and vocals are present. Crank the output volume level of the snare in the TD-27 to assist. **To adjust: Press “KIT EDIT”, then “PAD EQ”**

**LOW XSTICK / HI HAT PEDAL VOL:** To adjust: Press “KIT VOL (F5)”, then arrow down ↓ to these settings and adjust as necessary

**STEREO L/R OUT w/ DIRECT OUTS:** It is highly recommended that the TD-27 be connected to the mixing console in stereo, and then adding / reducing the desired effects to accommodate the current environment. Additionally, **ELEVATE VOL I** has been optimized to source the entire kit from the Master L/R outputs or route the KICK and SNARE from the Direct Outs 1 & 2 and TOMS/CYMBALS/AUX out of the Master L/R Channels. When using the Direct Outs, you would want to remove Kick and Snare from the Master L/R outputs to avoid phasing.

**\*\* MONO L Output:** If in Mono, send your signal via the L MONO OUT. We suggest panning to L30 on all triggers for your particular gig kit. This should greatly enhance your drum set's power in the PA. (kik, snr, toms, hh, rd, cr1, cr2, aux1/2/3). Panning this way should give you much stronger/ punchier audio and help curb the “drown in effects” wash sound.

## Contact & Support

If you have questions before attempting any of the procedures above, please refer to your Roland TD-27 owner's manual, or feel free to email **V Expressions Ltd** from the appropriate link on our website at [www.vexpressionsltd.com](http://www.vexpressionsltd.com)

### Contact Information:

Expansion Pack		Programmer	Contact
ELEVATE VOL I	TD-27 Version 2.0	Chris Blood	email: <a href="mailto:fiddlebak@gmail.com">fiddlebak@gmail.com</a>



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