

V Expressions Ltd



Armory Expansion Pack

a sound enhancing expansion pack for the Roland TD-50X Drum Module

[Ephesians 6:10-18](#)

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Introduction

Armory is our second edition and an extension to **Arsenal** for the Roland TD-50X. It can be used stand-alone or added to enhance your **Arsenal** expansion even further.

Armory brings a much fuller, richer, and modern sound to your collection in the form of **two additional processing styles** that will provide even more additional endless customization options within itself, and to its predecessor.

With **completely re-mastered kits and effects, re-mixed ambience and reverb**, and the **addition of saturation**, **Armory** achieves an **all-new level of richness and depth**. Just as with **Arsenal**, **you can copy instruments across all kits - and across the two expansions as desired to create the kit of your dreams!**

Armory includes our foundation **25 acoustic kits**, re-mastered into **2 all-new production styles** - for a **total of 50 additional foundational kits** to fit more production level needs.

Our new **“Mix”** and **“Master”** styles will provide you with a variety of **clean “drum-bus”** and **more modern-produced “master-bus”** level results. With these two new options, **you will be able to create any kit needed - acoustic to clean to dirty to crushed - for any style, genre, and job!** You'll be able to **cover anything from the 50's to today, and any processing style you desire!**

Kits continue to **offer the option of warming up or brightening detail in seconds with the simple turn of the ambience overhead and or room knobs!** These **ambiences and reverbs have been re-mixed to ensure they work with the new styles of processing and blend effortlessly with all forms of music**. As with **Arsenal**, these **ambience mixes can be customized as you desire** via their internal mixers. We never lock the ability to customize!

But of course; there's more! **Armory** comes with an **additional 28 unique custom artist kits**. These artist kits carry their own unique **custom processing, ambience, reverb, saturation, and master EQ & compression**. Being unique, **you now have 28 additional processing styles from which to base your own custom kits from and into**.

For convenience, and maybe those that choose **Armory** alone, we've still **provided our foundational 6 cymbal kits for easily copying in various styles of cymbals across all your kits as you desire**.

As with **Arsenal**, all **78 kits in Armory can be endlessly edited via overheads and rooms to expand all versions of each kit into many additional variances of warm or detailed styles**. With both **Armory** and **Arsenal** together, you can now **turn these 150+ kits into at least 5+ times as many kits - and with virtually unlimited production styles!** **Arsenal's** 5 artist and 5 style, along with **Armory's** 28 artist kits realistically **make your custom kit-building options infinite**.

Complete your **Arsenal** collection today by adding **Armory**; or pick up both and dive into endless possibilities!

Armory Kit Listing

NEW!

There are **two all-new processed versions** of our first 25 **Arsenal** kits - now in “**Mix**” and “**Master**” options. These new versions bring **two brand new levels of processing** unavailable in **Arsenal**. These new versions add **drum** and **master bus production-level processing** to your sound. This results in an option to have much more rich, fuller, and modern mixed kits. You can now **continue creating custom kits with drum-bus and master-bus effects to fit with classic acoustic, modern, and heavier music production!**

Remember! You can copy any instrument from any of your **Arsenal dry, natural, wet**, as well as your new **Armory mix & master** kits to create **endless possibilities!** By doing so, you now have the control to create your very own version of the TD-50's Generations!

Kits 1-50: (our Arsenal/Armory “foundation” acoustic kits providing an extremely wide variety of instruments - in two new flavors)

Kit Name	Description
Atomic	Powerful rock acoustic kit with a strong presence.
Cherry	Smooth & tight kick and snare with cherry toms.
Country	Thick and deep mainstream kit great for today's country rock.
Customly	Custom crackin' snare and a tighter kick with nice explosive clear-headed toms.
Damascus	General beast of a kit centered around a Damascus snare.
Deep	Focused kit with deep mahogany toms.
Dirty	Modeled on an old school Slingerland kit.
Endestruction	Sub-sonic kick with power toms for metal.
Ensnared	Kit centered around focused maple tones.
Funky	This kit was created in the month of September.
Jazz	General jazz kit for a little bit of everything from 50's jazz to the 70's rock.
Lewd Wig	Very organic Ludwig modeled kit.
Looser	Loosely tuned classic kit.
Nostalgic	Mellow classic kit.
Oak Tubs	Kit modeled around hard tubby oak toms.
Oldies	Dirty old classic kit.
Pitched	Tighten all the things!
Pop 80s	This kit is hungry like a wolf from Rio.
Poplar	Opened up standard poplar sound.
Popped	Poppy snare with muffled dual ply headed toms.
Straight	Straight forward acoustic kit for general use.
Studio	Standard mainstream Nashville studio kit.
Thick	Sub kick with very round explosive toms.
Thin 60s	Old school thin kit for everything 60s.
Toight	General tight kit with low tuned toms for more powerful music.

See our *Tips n' Tricks* section for helpful customization tips! While we may have used similar cymbals across the kits, **you can copy any of the cymbal instruments you desire from cymbal kits starting at kit #81.**

(continued on the next page)

Kit #	Kit Name	Description
Artist Kits		
51	80s Ballad	Classic thick, lush, and full sounding kit for 80's ballads , as well as modern mainstream .
52	Abacab High	Genesis's own Phil Collins' Abacab sound. (high-pitch version)
53	Abacab Low	Genesis's own Phil Collins' Abacab sound. (low-pitch version)
54	Biz kit	Tight n' compressed modern rock with Limp Bizkit's John Otto sound.
55	Buckcherry	Nasty, dirty early 2000's rock sound from Buckcherry's Xavier Muriel .
56	Carter	Carter Beauford's Dave Matthews Band kit updated with a fuller live production.
57	Credence	Classic Credence Clearwater Revival sound of the 70's.
58	Decoded	Modern cross between Paramore's Zac Farro studio and Aaron Gillespie live kits.
59	Deep State	Straight forward classic rock kit inspired by AC/DC's Phil Rudd .
60	Dirty Hippy	Designed to mimic an old school 60's rock kit .
61	Eagles	Based on classic Eagle's Don Henley sound from 1976 .
62	Europa	1986 Europe's classic wet n' thick rock kit. This one's good for a lot of stuff!
63	Foreigner	Early 80's warm & full rock sound of Foreigner's Dennis Elliot .
64	Ham Bone	Classic Bonzo himself - John Bonham .
65	Harrison	Fuller and slightly wetter live Porcupine Tree's Gavin Harrison kit.
66	Leppard	80's to early 90's Rick Allen and Def Leppard kit.
67	Logical	Supertramp's tight & dry 1979 Bob Siebenberg sound.
68	Mainstream	Very modern country and mainstream studio kit . This one is a workhorse!
69	Nickel Healy	A moderately cleaner and acoustic version of the Mainstream kit.
70	Pop Heaven	Classic Tears for Fears, INXS , and much more late 80's pop rolled into one kit.
71	Police	Straight forward Police Stewart Copeland kit for tight reggae and the like.
72	Shinedown	Very early 2000's dirty rock sound of the south... Alan's very own stompin' grounds!
73	Software	Muted and lightened version of the Decoded kit for more lo-fi needs... and more .
74	Thick Funk	Dry, but full somewhat-tight funk kit based on Paulo Mendonca's work. <i>(check him out!)</i>
75	Thin Funk	Just your standard thin and tight funk kit.
76	Toto	Jeff Porcoro's sound of classic Toto studio sounds.
77	Toto Live	Sounds of Toto's live drummers... a cross between Simon Phillips and Shannon Forrest .
78	Z Professor	A blend of both studio and live essence of the Professor himself - Neil Peart .

Important! The above artist kits have **additional processing customization to provide numerous options for copying and instruments** from your **Arsenal dry, natural, wet**, as well as your new **Armory mix & master kits to create endless possibilities!** By doing so, you now have the control to create your very own version of the TD-50's Generations!

Cymbal Packs: (copy any of these cymbals/sets you prefer to any of our kits)

Cymbal Kit 1	Bright - Modeled after Zildjian Custom A Brilliants.
Cymbal Kit 2	Classic - Fuller bodied classic thinner cymbals, trashier hats, deep ride.
Cymbal Kit 3	Vintage - Similar to the classic cymbals with a more tamed body, trashier hats, high pitched ride
Cymbal Kit 4	Trashy - Rounding out our full-bodied aged cymbal sets with a trashier sound all around.
Cymbal Kit 5	Signature - Modeled after Paiste Signature series.
Cymbal Kit 6	Three sets of stacked options in high and low pitches.

READ ALL OF THE FOLLOWING BEFORE CONTINUING!

BACKUP YOUR CURRENT SETTINGS BEFORE BEGINNING!!

Please take a moment to read all our procedures below before attempting them.

Your default reset information is never disturbed, and the “factory” version of the TD-50X can be reset at any time to return to your default purchased starting point. If you have questions before attempting any of the procedures below, please refer to your TD-50X owner’s manual or email your expansion designer. *(see the last section in this manual)*

Note: To load **Armory** from V Expressions Ltd successfully to your TD-50X, your SD Card must have the proper file structure. **Making a BACKUP of your current settings** (Section III below) **or formatting your UNUSED SD Card in the module** (Section II below), **will create the file structure needed. Choose wisely.**

Section I: Preparing your downloaded VEX file

Make a backup of your download for safe keeping before you begin! *(copy to HDD, USB, SD, etc.)*

Step 1: Create a new folder on your desktop named “VEX Armory”.

Step 2: Double-click your downloaded zip on PC or Mac to open it.

Step 3: Drag the contents inside the downloaded zip to your new folder “VEX Armory”.

Step 4: Re-number our backup TD0 file as desired for number location placement.

You may rename our backup file any number you wish (001-099). However, the file name must remain in the original Roland format: (BKUP-###.TD0). The module WILL NOT read anything different.

Step 5: Make a backup of your updated “VEX Armory” folder.

Step 6: Continue with section II or III below as needed.

Section II: Formatting an SD Card in the TD-50X

page 56 in your TD-50X manual

ONLY DO THIS IF YOU HAVE NOT USED YOUR SD CARD YET. FORMATTING WILL ERASE ANY PREVIOUS BACKUPS YOU’VE ALREADY CREATED!

Press the “KIT” button at any time to cancel the process.

Step 1: Insert an SD card into the TD-50X.

Step 2: Press the [SD CARD] button.

Step 3: Press the PAGE [DOWN] button to access page 3 (SD CARD UTILITY).

Step 4: Press the [F3] (FORMAT) button.

Step 5: Press the [F5] (FORMAT) button.

Step 6: Select “OK” and press the [ENTER] button.

Note: Never turn off the power or remove the SD card while formatting is in progress.

Press the "KIT" button at any time to cancel the process.

Step 1: Insert an SD card into the TD-50X.

Step 2: Press the [SD CARD] button.

Step 3: Press the PAGE [UP] button to access page 1 (SD CARD BACKUP ALL).

Step 4: Press the [F1] (SAVE) button.

Step 5: Choose Backup Settings.

Step 6: Press the [F5] (SAVE) button.

Step 7: Press the [F5] (EXECUTE) button.

Step 8: Select "OK" and press the [ENTER] button.

Section III: Saving Your Backup to the SD Card

Ensure the expansion number is unique from any backup number already on your SD card in the "Roland > TD-50X > Backup" folder. Any backup of the same number in this folder **WILL BE OVERWRITTEN!**

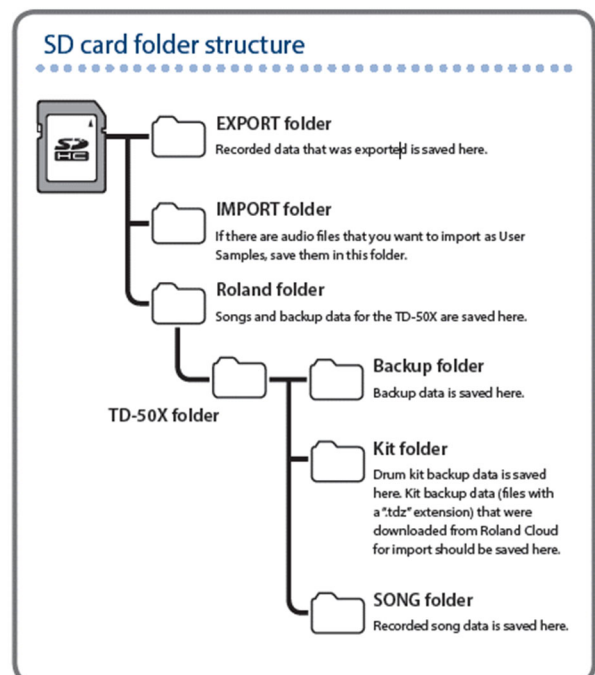
Step 1: Insert your SD Card into your computer's reader.

Step 2: Open the Roland > TD-50X > Backup folder.

Step 3: Drag your new backup to the Backup folder.

Step 4: Verify the backup is INSIDE the BACKUP folder.

Step 5: Eject and or remove the SD Card.



Section IV: Loading Backup Data from an SD Card

Don't forget! Scroll to the number of your file to see and load it. (*Armory is delivered as bank #005, unless you change it.*)

Option A: Load Entire Backup from an SD Card

page 54 in your TD-50X manual

Press the "KIT" button at any time to cancel the process.

Step 1: Insert an SD card into the TD-50X.

Step 2: Press the [SD CARD] button.

Step 3: Press the PAGE [UP] button several times to access page 1 (SD CARD BACKUP ALL).

Step 4: Press the [F2] (LOAD) button.

Step 5: Choose loading settings.

Step 6: Press the [F5] (LOAD) button.

Step 7: Select "OK" and press the [ENTER] button.

Option B: Copying 1 Kit Data from an SD Card

pages 45-47 in your TD-50X manual

Note: You can copy individual kits from your main backup using the Copy > SD tab in the copy section of your module. Therefore, we do not provide "individual" kits with your expansion as there is no need for them.

Step 1: Insert an SD card into the TD-50X.

Step 2: Hold down the [SHIFT] button and press the [SD CARD] button.

Step 3: Press the PAGE [UP] button several times to access page 1 (SD CARD BACKUP ALL).

Step 4: Press the [F1] (KIT) button.

Step 5: Press the [F3] (SD CARD) button.

Step 6: Choose loading settings.

Step 7: Press the [F5] (COPY) button.

Step 8: Select "OK" and press the [ENTER] button.

Repeat this process for each kit you want to load individually.

Section V: Initial Settings of your VEX expansion

Pad levels: This expansion loads as a default setup. Following installation, update pad setup to match YOUR setup, and re-save the backup.

Snare Head/Rim levels: The snare drum levels are designed for seasoned players who use rimshots regularly. Adjust for YOUR personal technique. (*there may be no need for adjustment here*)

Slider & Ambience levels: Set all sliders even at first. 0dB is ideal. Adjust as needed when customizing kits. (*see the Tips n' Tricks section below*)

Additional mixing: Minor adjustments as personally desired are expected. Expect to use both sliders and internal mixing to levels with your bands, songs, etc. Remember! You can easily copy cymbal sets to any kit for faster adjustment. Cymbal packs are where additional rides, splashes, and crashes can be found!

Tips & Tricks

How to use Armory:

Creation: When creating new kits via the copy function, pay attention to “production” of each kit. It is better to start with the kit whose overall production you like most to copy into. Copy this preferred “production” kit to a new or blank bank. (*this is your “recipient” kit*) From there, copy in other desired components (*individual drums, cymbals, etc. from the “donor” kits*) with the “Inst/VEdit Only” contents only. By taking these steps, you can easily create new custom kits with your desired snare, toms, cymbals, etc. This process ensures the best results when creating new kits.

Changing Production Styles: We’ve provided many compression styles across all kits. If you prefer heavier compression styles to achieve a more “mastered” result, you can clone any kit you desire to copy instruments into. Simply clone the kit you desire, and copy your favorite instruments, instrument sets and or cymbals into the newly cloned kit. Adjust as desired. (*hint: you can learn a lot from the master compressor differences in the mix, master and artists kits*)

Detailed Ambience: While we’ve mixed and designed overheads and room mixer levels for optimum results, you can seek out issues by turning these options off/on in the Ambience section to find issues. You can also adjust these levels individually if you desire to do so. Remember, we have mixed Reverb separately in the MFX section for the snare drum. MFX1 is your SN Reverb. You can choose your snare pad and increase or decrease the reverb as desired in this area. Be sure to rule out Room issues first.

New! Saturation! Many kits in this expansion now include custom-detailed saturation to drive sounds into a fuller result. While this is pre-dialed in for you, you can experiment with adding the snare to MFX3. (*the trade-off will be the loss of reverb on the snare, but you can choose to increase the “room” level of the snare to compensate*)

Performing: In live situations, it is suggested that the kits be played to the mixing console in stereo as they are modeled and then adding/reducing the desired effects to accommodate the current environment. We suggest creating a “sound check” pattern of your personal playing that utilizes as many of the components as possible for your sound engineer to use during sound check.

Thank you once again for purchasing the **Armory** from V Expressions Ltd. We hope you enjoy it!

Troubleshooting

If you are having problems with your pads not responding normally (*usually volume issues*), your rim features have been shut off, or seem quiet or muffled with low dynamics, check the following:

1. **FIRST - ENSURE YOUR TRIGGER SETTINGS MATCH YOUR PAD SETUP!**
2. **Hi-Hat** not performing properly: Ensure trigger type selection & re-establish offset parameters.
3. **Ride** has no bell sound: Ensure trigger type selection and or check & switch cables.
4. **Snare** not performing properly: Ensure trigger type selection. Adjust rim gain as needed. This can be based solely on personal preference and pad type. (*highly unusual*)

*Due to deeper modeling we perform, you could experience time/pitch issues with loaded **user samples**. Under advanced, be sure to check that “Pitch” & “Pitch Sweep” are set to zero, and “Decay” is set to 100.*

If instruments (*usually toms*) don’t “sound right” (*warbly sustain*) after adjusting tuning, it is likely you are adjusting an instrument that is **layered** with a similar sub-instrument. You will need to adjust **both layers** equally for some settings (*tuning, shell depth, etc.*) to battle “phase” issues. This is simply the nature of matching layers/samples.

Contact & Support

If you have questions before attempting any of the above procedures, please refer to your TD-50X owner's manual or email V Expressions Ltd from our website at www.vexpressionsLtd.com.

Contact Information:

Expansion Pack	Programmer	Contact
Armory	Alan Miller	email: alanmiller068@gmail.com