

# **Engineer Expansion Pack**

a sound enhancing expansion pack for the Roland TDW-20/X Expanded Drum Module

## **Owner's Manual**

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## Introduction

Thank you for purchasing V Expressions LTD's **Engineer One Expansion Pack!**

The **Engineer 1.0** expansion pack is our **first exciting new expansions for the TDW-20/X expanded drum module**. The **Engineer 1.0** expansion pack is a collection of **over 40 brand new simulated drum kits modeled to reflect plug n' play ready produced mainstream pop, rock, alternative, jazz, metal and country kits**. What you will find in this new expansion pack are kits modeled to reflect famous and highly sought after recorded setups.

This expansion pack is a collection of kits that **can be used in both live and recording situations** by hobbyists, weekend warriors and professionals alike. Professional gigging and recording v-drummers can expand their library of custom kits to accommodate many musical genres, eras and types of drums. This expansion is **fully customizable** allowing the user to continue adjusting the kits, triggers and calibrations to best match his or her playing style.

The **Engineer 1.0** is **based on common recordings, tunings and production techniques found in today's music**. This expansion has been designed to achieve maximum flexibility in multiple situations and environments. The design of this expansion pack allows v-drummers full access to ambience and effects with complete output control in live and studio environments. The accompanying mini-tutorials will guide and help v-drummer choose the best setup, on-board effects and production choices for their needs.

**Engineer 1.2** is a continuation in the series with today's economy in mind. We've designed this smaller expansion to help in today's economy. This expansion focuses on the TDW & 20/X's amazing new realistic toms. While nearly all kits utilize these same new toms for the most realistic result, each kit is accompanied by our new Paiste Signature cymbal pack and individually produced snares, bass drums and mixing. **Engineer 1.2** was modeled after today's most popular VST counterparts.

These kits are NOT meant to sound like raw acoustic kits, but are **engineered to simulate what the kit would sound like in the studio, produced and in today's recordings**. This design results in kits **ready for plug n' play mixing, jamming, recording and live performance**.

**Based on previous feedback...**

Ambiance/Reverb has been pulled back on many kits except those which utilize it for effect reasons. As always, ambience and reverb can be increased or decreased based on the drummer's desires.

## Engineer Tips & Tricks

The **Engineer Expansion Packs** has been designed with total flexibility in mind. Please set your group faders to around 80-100% before loading your backup or individual kits as this will yield the best volume results. These kits are designed to sound completely mixed and produced. Ambience and effects can be turned off, up or down based on each individual's desire. Some tweaking for your personal P.A. system and/or headphones may be required to achieve the results you desire.

Thank you once again for purchasing the **Engineer Expansion Pack** from **V Expressions LTD**. We hope you enjoy it!

### **A word about ambience and effects...**

Ambience and effects have been added to produce a live, produced final sound. If you desire warmer, raw sounds to send through Master Outs or the S/PDIF digital out, simply adjust the ambience and/or effect overall volume to your desired level. Turning the ambience and/or reverb effect off completely will send a dry mix through the Master Outs or the S/PDIF digital out. Remember, the dry1-8 outs will always send dry individual signals.

### **Setup A: “General Recording and Output for Live Performance”**

The generic setup is intended for those individuals who would like to provide dry signals for post production via the recording or live console. The Master Outs or the S/PDIF digital out can be sent to the engineer in parallel with the dry outs as a guide for your desired sound. The engineer may choose to mix the dry signals with the Master Mix for a warm and full mix. Alternatively, ambience and effects can be turned off to provide your engineer with a “spare” mix track for simulating post-mix ambience or room mics.

### **Setup B: “Advanced Recording and Live Performance Techniques”**

The “New York Compression Trick” refers to a technique used by professional recording studio engineers for the last twenty years. The result is a very full, warm and explosive drum kit. The secret to this technique is simple and can be easily achieved by the TD-20 module and your outboard gear.

Send the Master Outs or the S/PDIF digital out as an overall mix. This mix can be further produced at the recording or live console to reach the desired sound. (it is advisable that you get the best final mix possible from the module) If a desired mix cannot be achieved, the dries will have to be bussed by the engineer to duplicate tracks. After light, continued production is finalized at the console, slowly bring original snare, toms and/or bass tracks up behind the mix until the raw attack warms the track to the desired mix.

Alternatively, some refer to the “New York Compression Trick” as “Parallel Compressions”. Effectively, this means you would do the opposite by mixing in “low level” or “heavy” compression passed tracks behind the produced, rather than raw, tracks.

In conclusion, this technique can really bring new life to v-drums! Try a few different things and watch your new kits explode with life!

### **Setup Conclusions:**

These are only a couple of tricks to achieving incredible sounds with your TD-20 and **V Expressions LTD** expansion packs. Never be afraid to experiment!

## Engineer 1.0 Expansion Pack Kit Listing

Number		Modeled to sound like the following bands and/or mixed songs...
<b>Rock Kits</b>		
1.	Nick Rock	Nickelback's "Rockstar" & Green Day Hybrid
2.	Nick Raw	Nickelback Raw Acoustic Kit
3.	Nick Dry	Nickelback's "Gotta Be Somebody"
4.	Link Rock	Linkin Park's "Lying from You" & Meteora –Somewhere I belong
5.	Hamper	Hinder's "Without You" / Hybrid Living Colour "Bisquits" Kit
6.	Buc's Cherry	Buck Cherry's "Crazy Bitch"
7.	Daw Tree	Hybrid Daughtry meets Modern Toto & the Used
8.	Bon Jerry	Modernized Bon Jovi stadium kit
9.	Gen Excess	Strange Genesis type kit with unique SPFX Cymbals
10.	Shineclown	Kit modeled after Shinedown's "Second Chance"
<b>Pop Kits</b>		
11.	3 Flors Down	3 Doors Down "It's Not My Time"
12.	Laugh Lin	Beautiful Studio Kit for ballads and rock modeled from McLaughlin's "Building a Mystery"
13.	KPerry Love	Studio Kit for ballads and rock modeled from "Thinking of You"
14.	KPerry Hate	Basic e-Kit for pop modeled from "I Kissed a Girl"
15.	Anvil Latrine	Avril Lavine pop kit for many styles / Modeled from "When You're Gone"
16.	Match Box	Classic Matchbox 20 studio kit
17.	Gabin Decraw	Modeled after Gavin Degraw, Fuel, Lifehouse & Seether
18.	U Too Desire	Boomy modernized U2 "Desire" kit (modeled to reflect remastered live "Desire")
19.	Ash Lee Acoustic	Avril meets Ashley Simpson
20.	Eight Tee's	
<b>Alt Kits</b>		
21.	Link Raw	Raw Linkin Park & Dated Police hybrid (killer Sub-Sonic BD on TR2)
22.	Nose Doubt	Tight reggae kit for many styles of music
<b>Metal Kits</b>		
23.	Rise Against	Modeled after Rise Against's "Collapse"
24.	Super Chimp	Highly compressed rock kit modeled after Superchick
25.	Evan's Science	Evanescence's "Bring Me to Life" meets Transiberian Orchestra
26.	Cut Less	Metal kit modeled after Kutless
27.	Thousand	Modeled after Thousand Foot Krutch, Saliva & Puddle of Mudd
<b>Lo-Fi Kits</b>		
28.	Low Fidelity	Funky Lo-Fi kit for intros and lo-fi emulation
29.	VEXtage	Funky Lo-Fi kit for intros and lo-fi emulation
30.	Funk VEXify	Funky Lo-Fi kit for intros and lo-fi emulation
<b>Country Kits</b>		
31.	Third Rascal	Rascal Flats "Here" meets Third Day
32.	Keifer Urban	You Look Good in my Shirt meets "Good Stuff" by Kenny Chesney
33.	Ken Chesnut	Modeled after "Everyone Wants to go to Heaven"
34.	Carry Under	Standard Carrie Underwood studio kit
35.	Brad Parsley	Modeled after Brad Paisley's "Come on In"
36.	Al's Coustic	
<b>Jazz Kits</b>		
37.	Vintage K	Old School Jazz kit
38.	Big Boy K	Big Boomy Old School Jazz kit
39.	Spy Hard	Modernized tight jazz / Spyra Gyra kit
40.	Bee Bop	Tighter bebop kit
41.	80's Funk	
42.	Vee Es Tea	VST type acoustic kit
<b>Cymbal Packs</b>		
43.	Signature	Paiste Signature Cymbal Pack
Custom	Zildjian A Custom Cymbal Pack	

## Engineer 1.2 Expansion Pack Kit Listing

1:	Ameri-Rawk	13:	SheDrvMeKrzy
2:	Jive Rocka	14:	Slate Shucks
3:	Mod Country	15:	Meat Wieners
4:	Hybrid	16:	Mod Vintge
5:	Turkey Gut	17:	Raggae Sky
6:	Cam Snared	18:	Roomy Rocka
7:	Multi Comp	19:	MetalHydride
8:	Ridiculous	20:	Lazy Rocka
9:	Killer Sock	21:	Dry Fatty
10:	Ballad Kat	22:	Sizzle Pit
11:	Ball Mit	23:	Studio Boom
12:	Rock Drums	24:	70's MixMash

## V Expressions Limited: TD-20 Expansion Pack Instructions

### READ ALL OF THE FOLLOWING BEFORE CONTINUING!

All user kits in your TD-20 (flash memory) **will be overwritten during a load of any backup file from a CompactFlash card or midi transfer**. The factory reset information is not disturbed and the original version of the TD-20 can be reset at any time to return to your default purchased starting point.

**We highly recommend backing up your current module's memory to save any personal previous changes before loading any expansion packs from V Expressions LTD.** You will also be able to load individual sets as described below.

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

If you have questions before attempting any of the procedures below, please refer to your TD/TDW-20 owner's manual or email V Expressions LTD from our website at [www.vexpressionsltd.com](http://www.vexpressionsltd.com).

### Formatting a New CompactFlash Card

- Step 1:** Insert a CompactFlash card into the card slot on the module's front panel.
- Step 2:** Press [CARD]. The CompactFlash indicator light, and the "CARD MENU" screen appears.
- Step 3:** Press [F4 (FORMAT)]. The "CARD FORMAT" screen appears.
- Step 4:** Press [F5 (EXECUTE)]. The confirmation screen appears. *To cancel, press [F1 (CANCEL)].*
- Step 5:** Press [F5 (EXECUTE)] again to start formatting.

### Saving a Backup via CompactFlash

- Step 1:** Insert a formatted CompactFlash card into the card slot on the module's front panel.
- Step 2:** Press [CARD]. The "CARD MENU" screen appears.
- Step 3:** Press [F1 (SAVE)]. The "CARD SAVE" screen appears.
- Step 4:** Use [+/-] or [VALUE] to select a backup to which you want to save the data. *You can select an empty backup area with the lowest number by pressing [F4 (NEW)].*
- Step 5:** Press [F5 (SAVE)]. The confirmation screen appears. *To cancel, press [F1 CANCEL)].*
- Step 6:** If you want to change the name of the backup area, press [F4 (NAME)].
- Step 7:** Press [F5 (EXECUTE)] to save the data.

### Transferring Expansions to a CompactFlash card from a computer

**Important!** If your card contains previous backups, rename the newly supplied file(s) to different back up numbers. (*ie: TD20BK05.TDO to TD20BK08.TDO*) "Unexpanded" TD-20 can read are 01-08.

- Step 1:** Insert a formatted CompactFlash card into a card reader connected to the computer.
- Step 2:** Extract all files from the supplied expansion pack zip file to a folder on your computer.
- Step 3:** Copy the expansion "TDO" file(s) to the **Roland/TD/** folder found on the CompactFlash card.

## Importing TD Expansions for TDW from a CompactFlash card

**Original TD-20 expansions can be loaded into your TDW expanded module.** However, **these files must be imported via the TDW expansion board first.** Please follow the direction. (*note: unexpanded expansions work exactly the same after the import process*)

**Step 1:** Insert your CompactFlash Card.

**Step 2:** Press [CARD].

**Step 3:** [F3 (IMPORT)].

**Step 4:** Select the backup by scrolling through the available files.

**Step 5:** Press [F5 (IMPORT)]. (*note: drum kit data will be loaded to Kits No.51 to 100*)

## Loading Expansions from a CompactFlash card

This procedure **will not** preserve trigger settings you may already have changed in your module and/or setup. **By loading an entire backup file, you may need to adjust trigger types and calibrations to achieve the best volumes, calibration and sound the programmer intended.** Use [VDrumLib](#) to quickly copy preferred “setup information” from personal backups.

**Step 1:** Insert the CompactFlash card into the card slot on the module’s front panel.

**Step 2:** Press [CARD]. The CompactFlash indicator light and the “CARD MENU” screen appears.

**Step 3:** Press [F2 (LOAD)]. The “CARD LOAD” screen appears.

**Step 4:** Use [+/-] or [VALUE] to select the backup area containing the data you want to load.

**Step 5:** Press [F5 (LOAD)]. The confirmation screen appears. *To cancel, press [F1 (CANCEL)].*

**Step 6:** Press [F5 (EXECUTE)] to load the data.

## Loading Individual Kits from a CompactFlash card

**Hint:** This procedure is **a great way to preserve** trigger settings you may already have changed in your TD-20 module and/or setup. **By loading individual kits, your trigger types and calibrations will be preserved.** *Some minor adjustments may be needed to accommodate your playing style.*

**Step 1:** Insert the CompactFlash card and Press [COPY]. The “COPY” screen appears.

**Step 2:** Press [F1 (KIT)] to select drum kit.

**Step 3:** Use [CURSOR], [+/-], or [VALUE] to select the copy-source and the copy-destination.

**Step 4:** Press [F5 (COPY)]. The previous content of the destination is overwritten by the new content of the source. The confirmation screen appears. *To cancel, press [F1 (EXIT)].*

**Step 5:** Press [F5 (EXECUTE)] to carry out the procedure.



## Loading Expansions via midi connectivity and VDrumLib

**Preparation:** Please remember that “unexpanded” backups and expansions will require conversion via the module’s TDW importing process on CompactFlash card or VDrumLib 2.2.12 or later. *(released January 2009)*

**Loading Directions:** [http://www.vdrumlib.com/midi\\_txd.html](http://www.vdrumlib.com/midi_txd.html)

**Step 1:** Open [VDrumLib](#).

**Step 2:** Click “Midi” at the top of the application.

**Step 3:** Choose “Send Sysex File”

**Step 4:** Navigate to the “syx” file you wish to send to your module and choose it.

**Step 5:** The [VDrumLib](#) “Send Sysex” screen appear.

A. Send Data From: *this is the file you choose for transfer to the module*

B. Send Data To: *this is your midi device attached to your module*

C. Message Delay (mS): *default value is 50- do not adjust*

**Step 6:** Push [SEND] to transfer file to your module or [CANCEL] to quit the operation.

**Step 7:** Upon successful connection, your module will read: “please wait, bulk data receiving”

*Note: There are no special settings you need to manually set on the module to receive midi information. It is an automatic procedure for the module to receive data. Device ID must be set to 17. Refer to your owner’s manual to access global midi settings if a Device ID error occurs.*

If your module screen is not responding, but VDL is sending information:

**Step 1:** [STOP] the download.

**Step 2:** Check that your midi/computer connection is receiving information. *(look for light verification)*

**Step 3:** If you experience connectivity issues, uninstall, reinstall and update the midi cable driver.

For support regarding midi transfer, please consult your Roland owner’s manual or midi application support documentation.

## Building Custom Expansions (TD-12 & TD-20)

**UPDATE:** Do all this **SUPER FAST** for the TD-8, 10, 12 & 20 with: [VDrumLib](#)

*Note: You may keep up to 8 backups on a 16-512mb CF card for the "unexpanded" TD-20. It is recommended that you have one blank slot before attempting this procedure.*

**Step 1:** Insert the CompactFlash card and Press [COPY].

**Step 2:** Press [F1 (KIT)] to select drum kit.

**Step 3:** Use [CURSOR], [+/-], or [VALUE] to select the copy-source and the copy-destination.

*Note: Here, while **making sure "user" is highlighted**, you will **scroll to the right until the selected area reads "card"**. Next, **cursor to the right and up with the arrow buttons**. Now, **scroll to find the expansion or backup where you want to copy from**. Cursor down to **select your source kit and then choose the destination kit**.*

**Step 4:** Press [F5 (COPY)]. The previous content of the destination is overwritten by the new content of the source kit. The confirmation screen will appear.

**Step 5:** Press [F5 (EXECUTE)] to carry out the procedure. (to cancel, press [F1 (EXIT)]).

Conclusion: The recommendation is to start with the expansion loaded that you'll use the most kits from. Copy in the kits you want from the other expansions on your card(s) to the kits you would like to overwrite. When you are done, save this new expansion into a blank backup so you'll always have it.

## Custom Kit Building Mini-Tutorials (TD-12 & TD-20)

Have a particular snare you like, but want it with another set? Easy! Just copy the kit with the most liked components to a user patch and then copy in the remaining desired components. Please refer to the following mini-tutorials for help in achieving your desired custom kit.

### Building your own *custom kit* from multiple kit destinations:

#### Part 1: *(starting with the main base kit)*

**Step 1:** Press [COPY].

**Step 2:** Press [F1 (KIT)] to select drum kit.

**Step 3:** Use [CURSOR], [+/-], or [VALUE] to select the copy-source and the copy-destination.

**Step 4:** Press [F5 (COPY)].

**Step 5:** Press [F5 (EXECUTE)] to carry out the procedure or [F1 (EXIT)] to cancel.

#### Part 2: *(adding the desired components to the base kit)*

**Step 1:** Press [COPY].

**Step 2:** Press [F2 (INST)] to select a component from a donor kit.

**Step 3:** Use [CURSOR], [+/-], or [VALUE] to select the copy-source-kit and the copy-destination-kit.

**Step 4:** Move to the right and strike the pad to assign the copy-source-pad and copy-destination-pad.

**Step 5:** Press [F5 (COPY)].

**Step 5:** Press [F5 (EXECUTE)] to carry out the procedure or [F1 (EXIT)] to cancel.

## V EXPRESSIONS LTD TD-20 TROUBLESHOOTING GUIDE

**Symptom:** The module does not recognize the CF card.

**Remedy:** New CF cards must be formatted by the module.

**Symptom:** The module does not recognize the CF card.

**Remedy:** The (standard) module can only read CF cards up to 512mb in size. If you are using a larger card, the module may not recognize it due to this limitation.

**Symptom:** The module says there is no data.

**Remedy:** The module cannot read "zip" files. Extract your expansion files from the original downloaded zip file and continue with the directions in Section 3, Step 2. For more help with extracting zip files, please search the web for a free zip extracting tool or read your operating system's help file.

**Symptom:** I've extracted the zipped files, but the module says there is no data.

**Remedy:** The "td0" file must be placed inside the TD folder found on your module-formatted CF card. If the td0 file is not found inside the TD folder, the module will not recognize it.

**Symptom:** I've copied the files to the correct folder, but the module says there is no data.

**Remedy:** This is usually a sign of a TDW expanded drummer trying to load "unexpanded" data before importing the data correctly. Please read Section III above..

**Symptom:** Copied instruments do not retain effect settings or exact sound. (unexpanded TD-20)

**Remedy:** Unfortunately, the module is incapable of bringing all the settings you may hear from one kit's instrument into another kit. The module uses the kit's effect settings as the master. To achieve the exact sound from one kit to another, the user must input the effect settings for that instrument by hand. Write the effect settings for the instrument you are copying to input them by hand in the new location. Roland will most likely remedy this procedure in the upcoming expansion card.

**Symptom:** I can't copy a kit I like into the current expansion.

**Remedy:** This is a case of not understanding Step 3 of Section 6. With the CF card loaded, select [COPY] then [F1 (KIT)]. Scroll to the right until the selected area reads "card". Cursor to the right and up with the arrow buttons. Scroll to find the expansion or backup where you want to copy from. Cursor down to select your copy-source kit and the copy-destination kit.

## V Expressions LTD Contact Information

If you have questions before attempting any of the above procedures, please refer to your TD-20 owner's manual or email V Expressions LTD from our website at [www.vexpressionsltd.com](http://www.vexpressionsltd.com).

### Programmer Contact Information:

Expansion Pack	Programmer	Contact
Engineer	Alan Miller	email: <a href="mailto:alanandlane@bellsouth.net">alanandlane@bellsouth.net</a>

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