

# **Professor's Expansion Pack**

a sound enhancing expansion pack for the Roland TD-12 Drum Module

## **Owner's Manual**

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## Introduction

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

By popular demand of V Expressions LTD customers, we proudly announce the latest and most anticipated addition to our expansion library, the **Professor's Pack!** The **Professor's Pack** is a collection of **incredibly modeled kits based on the career and discography of one of the world's most famous and greatest drummers of all-time – Neil Peart!** This expansion is filled with **modeled kits reflecting the sounds of Neil and Rush's greatest recordings throughout the past 3 decades** as best as the Roland TD-20 can accomplish!

The expansion **focuses on the replication of sounds based on the original recordings.** Noticeably, **the sounds will progress through the typically drier sounds of the 70's and 80's recordings, evolving into the bright, lively and powerful sounds of the latest recordings in recent years.**

The **Professor's Pack** is **full of great surprises** and is **designed with EVERY drummer in mind; especially "expanded" drummers!**

The expansion's kits **reflect the sounds of 20 releases from Neil's greatest recordings.** These kits are modeled to replicate the actual recordings throughout Rush's history from which they are similarly titled. These kits **reflect the great sounds of Tama, Ludwig, Slingerland and DW drums, Zildjian and Sabian cymbals and a surplus of special effects, cross-sticks and additional percussive sounds** the professor regularly used throughout the past 30+ years.

While this pack is designed with the "expanded" drummer in mind, **all drummers can take advantage of the additional kits!** We've included **kits with the professor's extended instruments including additional toms, percussion and effects for you to utilize at additional modules, inputs and split triggers!** All drummers can **copy these extra components into new and existing kits to create the custom kits of their dreams!**

New features exclusively available from V Expressions are implemented into your exciting new expansion pack! Some of these new features include:

- COSM features previously hidden inside your module!
- Improved TD-20 to TD-12 conversion accuracy!
- Mic Position (all drums and cymbals)
- Beater Type (bass drum)
- Sizzle Type (chain cymbal)
- Level of Snare Buzz (toms)
- and many more!

It is important to note that while these features are now implemented into the V Expressions LTD TD-12 conversions, they cannot be adjusted without loss of the feature due to Roland's internal interface.

## Professor's Pack Tips & Tricks

**Many effect, percussion, cross-stick and additional sounds can be found on the rims of Toms 1, 2 and 3.** While rims cannot typically be copied in the module, **we suggest [VDrumLib](#) as the sole editor for moving rim-related sounds with ease.** In the normal case of copying rims, the data can only be copied by hand without such a great application as [VDrumLib](#).

Cross-sticks are designed to be played with the butt of your stick on the snare rim while striking the rim of tom 1 with the shoulder. This will result in the intended cross-stick sound with a slight snare ambience from the snare rim. **All kits feature Neil's signature bass drums, snares crashes, rides, hi-hats and china sounds throughout the years.** The toms in the first collection of kits are the "base" kits with strategic percussive additions to the rims. (based on modeled song) These kits are designed for the "plug n' play" v-drummer with the maximum default kit layout. The second section of kits brings additional toms and instruments to the expansion and is designed to be mixed with their counterparts in the first collection.

Regardless of importing kits individually or as an entire backup, the expansion was designed with the group faders at 75% for optimal volume modeling. Setting all group faders at 75% when loading your backup will yield the best results.

**Don't forget to choose your correct pad setup in your module's global setup and recalibrate your hi-hat!**

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

*(referenced from our TD-20 Studio Kits 2 manual)*

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

Ambience effects have been added to achieve a “produced” sound and best reflect the original recordings. 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 effects off completely will send a dry mix through the Master Outs or the S/PDIF digital out.

### **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!

## Professor's Pack Expansion Pack Kit Listing

### Standard Kits:

All standard kits include 2 main splashes and Wuhan china.

All extended (EXT) kits include kits below with extended listed instruments as noted. (note: TD-12 version does not have Tom 4 parts)

Number	Modeled to sound like...	Notes:
1.	Rush: <b>Working Man</b> (John Rutsey)	Standard Kit Only
2.	Fly by Night: <b>Fly by Night</b>	Standard Kit Only
3.	2112: <b>2112</b>	Standard Kit Only
4.	2112: <b>2112 EXT</b>	Extended Concert Toms (TR1-4)
5.	A Farewell to Kings: <b>Closer to the Heart</b>	Tubular Chimes
6.	A Farewell to Kings: <b>Closer EXT</b>	Introduction Concert Bells (T/TR1-4)
7.	Hemispheres: <b>The Trees</b>	Bridge Wood Blocks (TR1-4) & Windchimes (A4)
8.	Hemispheres: <b>The EXT</b>	Extended Wood Blocks (T/TR1-4)
9.	Permanent Waves: <b>Jacob's Ladder</b>	Wood Blocks & Windchimes (A4)
10.	Permanent Waves: <b>Jacob EXT</b>	Extended Toms (T1 & 2 only)
11.	Permanent Waves: <b>Freewill</b>	Wood Blocks & Windchimes (A4)
12.	Moving Pictures: <b>Tom Sawyer</b>	Standard Kit Only
13.	Moving Pictures: <b>Tom EXT</b>	Extended Concert Toms (T1-4)
14.	Signals: <b>New World Man</b>	Timbale (TR1)
15.	Grace Under Pressure: <b>Kid's Gloves</b>	X-Stick (TR1) & Tambourine (TR2)
16.	Power Windows: <b>Manhattan Project</b>	X-Stick (TR1), Clap (TR2) & FX Drum (TR3)
17.	Hold Your Fire: <b>Time Stands Still</b>	Block (TR1), Cowbell (TR2) & Timbale (TR3)
18.	Presto: <b>Show, Don't Tell</b>	Standard Kit Only
19.	Roll the Bones: <b>Roll the Bones</b>	Standard Kit Only
20.	Roll the Bones: <b>Roll EXT</b>	X-Stick (TR1), FX Drum (TR2) & Stab (TR3)
21.	Counterparts: <b>Double Agent</b>	X-Stick (TR1) & Tambourine (TR2)
22.	Test for Echo: <b>Limbo</b>	Standard Kit Only
23.	Test for Echo: <b>Limbo EXT</b>	Extended Concert Toms (T1-4)
24.	Vapor Trails: <b>Ghost Rider</b>	Standard Kit Only
25.	Rush in Rio: <b>Spirit of Radio</b>	X-Stick (TR1)
26.	Rush in Rio: <b>Rio EXT</b>	Extended Concert Toms (T1-4)
27.	Snakes and Arrows: <b>Far Cry</b>	Standard Kit Only
28.	R30: <b>Limelight</b>	X-Stick (TR1) & Cowbell (TR2)
29.	R30: <b>Limelight EXT</b>	Extended Concert Toms (T1-4)

Kits #30 through #44 are blank "user kit" slots for merging and building custom kits.

### Bonus Kits:

**"Friends of the Professor"**

Number	Modeled to sound like...	
45.	John Bonham	Classic drum tracks only sound
46.	Jeff Porcaro	VEX "Studio" remix
47.	Vinnie Colaiuta	VEX "Studio" remix
48.	Tim Alexander	VEX "Studio" remix
49.	Mike Portnoy (1992)	Classic Images & Words sound
50.	Mike Portnoy (2006)	Latest MP studio sound

## V Expressions Limited: TD-12 Expansion Pack Instructions

### READ ALL OF THE FOLLOWING BEFORE CONTINUING!

All user kits in your TD-12 (flash memory) **will be erased during a load of any backup file**. The factory reset information is not disturbed and the original version of the TD-12 can be reset at any time to return to your default purchased starting point.

**We highly recommend backing up your current TD-12 memory to save any personal previous changes before loading any expansion packs from V Expressions LTD.**

**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-12 owner's manual or email V Expressions LTD from our website at [www.vexpressionsltd.com](http://www.vexpressionsltd.com).

### Section I: Saving Data to an external MIDI Device (Bulk Dump)

**Step 1:** Connect the TD-12's MIDI OUT via MIDI cable to the MIDI IN connector of the external sequencer or computer.

**Step 2:** Press [SETUP]. The "SETUP" screen appears.

**Step 3:** Press [F1 (MIDI)] - [F5 (BULK)]. The "MIDI BULK DUMP" screen appears.

**Step 4:** Use [+/-] or [VALUE] to select "ALL" content to be sent.

**Step 5:** Start the recording process of the external sequencer.

**Step 6:** Press [F5 (EXECUTE)] to begin sending the data. *To cancel, press [F5 (STOP)].*

*Note: Be sure to use an external MIDI sequencer that is capable of recording System Exclusive messages. We suggest Midi-Ox. (<http://www.midiox.com/>)*

### Section II: Loading Data from an external MIDI Device (Bulk Load)

**Note: All the TD-12's current user data is overwritten. Make sure you have made a backup. The factory reset information will not be disturbed.**

**Step 1:** Connect the TD-12's MIDI IN via MIDI cable to the MIDI OUT connector of the external sequencer or computer.

**Step 2:** Press "PLAY" on the external sequencer to load the data to the TD-12.

*Note: We suggest...*

*Midi-Ox: <http://www.midiox.com/>*

*Roland's PC SMF Player or MAC Q-Midi Application:*

*<http://www.rolandus.com/products/details.asp?CatID=5&SubCatID=31&ProdID=TD-12&PageMode=4>*

## V Expressions LTD Contact Information

If you have questions before attempting any of the above procedures, please refer to your TD-12 owner's manual or email V Expressions LTD from our website at [www.vexpressionsltd.com](http://www.vexpressionsltd.com).

### Programmer Contact Information:

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

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