

Program 3 Expansion Pack

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

Owner's Manual

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Introduction TDW20 PLATFORM

Thank you for purchasing V Expressions LTD's **Program 3 Expansion Pack!**

Program 3 Expansion Pack is the latest edition to the Program series and fully supports the TDW20 enhanced TD20. It will not work in a non-expanded TD20, nor will this file be able to transfer to a TD12 using V Drum Librarian.

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.

What this expansion pack IS...

Program 3 is based on studio recordings, specific source tambre and tunings, artist drum kits, and Live Ambiences found in most venues. All of these drum kits have been ear-created from scratch on the TDW20 platform, and are modeled closely to the source recordings or the actual drum kits the programmer played.

There are **15 recently released Hard Rock/Metal genre kits** as well as **5 current R&B kits** to select from. There are also **17 newly created custom drum kits** from the original source drum sets. These kits are very high-end custom drum sets that are generally built to order and are one-offs from their respective shops. In addition, this pack offers **10 Live kits** that have been created and tested on a (PA) loudspeaker system. These are ready for immediate live use. Additionally, you will get **2 Electronic kits** and a **World Percussion** set up that is dynamite!

As with all our TD20 offerings, 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.**

Although ambience and general reverb effects have been added to all kits to enhance their sound in a specific environment, these settings can easily be turned off and/or adjusted up or down by the drummer if a different tonal environment is desired.

Program 3 Tips & Tricks

The **Program 3 Expansion Pack** has been designed with total flexibility in mind. Using **both the TD20's** wave board sounds and standard operating system, to the sounds and enhancements of the **TDW20 expansion board**; you will find these kits both useful and practical for all of your playing experiences.

Please set your group faders to around 70% before loading your backup or individual kits, as this will yield the best volume results. Make adjustments to the sliders to affect the global volumes of each instrument set.

These kits are designed to sound **live and very ambient.** 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.

Kit description:

Kits 1-10 are designed for “**Live**” use through a PA. These kits are directly modeled from our “Live Kit” arsenal. Their overall volumes can be devastating. The kit volumes have been set to 100 with extra headroom up to 127 depending on your system capabilities. For large, high-end systems, adjusting the kit volumes to 127 is recommended to feel the drums in your chest and body. Each of these kits (with the exception of the 2 Jazz kits) can easily do this and has been tested on an 8500 watt PA. Like with their acoustic counterparts, these kits may damage speaker components and cause severe ear damage, so please use caution when testing out on a loud PA system. Start out quiet and bring up volumes accordingly.

Kits 11-25 have been ear created to closely match the Artist Recorded Sound when possible. These particular Hard Rock/Heavy Metal kits are found nowhere else in our current libraries. All original source recordings have been custom modeled to the best of the TDW20’s capabilities. Ambience and Master Effects have been utilized to best suit the drum kit in the studio environment where it was recorded. Eq’ing and Compression have been minimalized to let the drum kits remain ambient.

Kits 26-30 are the R&B (Rhythm and Blues or Beat) modeled set ups. These come from current Artists recorded sound. The overall volumes of these kits have been set to 110.

Kits 31-47 are the custom shop one-off drum kits. From various famous makers and not so famous, these drum sets will satisfy even the die-hard acoustic drum set fans. Australian made Spirit Drums, Barrel Stave Lignum Drums, and even the oldest US manufacturer of drums: Noble & Cooley; all these sets have been modeled from the actual drum set itself or high quality studio samples obtained around the globe.

Kits 48/49 are electronic drum sounds. Very 80’s in nature, with a signature sound, you’ll find these kits both useful and fun to add to your repertoire of kits.

Kit 50 is a World Percussion set up. Jam using terrific African, Latin, European, and Asian instruments, all combined to provide a diverse and ethnic collection of sounds.

Useful tips using Program 3:

SNARE: To achieve a well-rounded and cutting snare sound, we have adjusted the compression gain output to maximize the ambient nature of these Roland PCM samples. For better definition and uniform tone, we recommend adjusting the mic placement, as well as shell size / type to dramatically change the overall nature of the drum sound. To even up your sticking volumes, we recommend adjusting the compression ratio’s all the way up to 50:1. This will result in a more unilateral controlled sound and volume, and is great for recording purposes.

TOMS: You will notice that the toms may cut through far greater on this pack than any other created in our libraries. This platform has taken advantage of a low compression output with very High Gain Eq’ing technique. The mid-range quotients are set higher than what is normally expected. This results in an excellent attack, with fantastic tone and tambre follow through. Most shells will naturally reverberate on a specific tone and that algorithm can be viewed on a Spectrum Analyzer as a waveform. This eq and compression technique has been modeled in a similar fashion. We used an Audio Control SA3052 to capture and store the waveforms of the toms we modeled directly from the source shells. We used that algorithm / waveform to closely match our ear-created toms on the TDW20, all while monitoring in Pro Tools HD.

This is what makes the Program 3 platform so unique.

CYMS: Most Cymbal sets have been matched for Live Performance. We strongly recommend using our set ups as a starting point to create your own personal cymbal sets. Mic placement, Eq'ing and Ambience will play a large factor in the overall produced sound out of the module. Some of **Program 3's** volumes for cymbals have been adjusted lower than normal to compensate for this. A quick mixer adjustment will bring these cymbals louder or softer to better suit your requirements.

SETUP NOTES:

Program 3 comes as a standard TDW2 backup. (**TDW2BK12.td0**)

Aux 1 is programmed as a higher pitched tom to the other 4 Toms (Toms 1-4). If you are using Aux 1 as a cymbal or other effect pad, you can easily make adjustments in VDL or by using the copy feature to set to the desired sound.

Aux 2-4 have been programmed as various cymbals.

The **Hi-Hat** has been programmed using the VH12 Hat system.

Please read the following:

The information below is crucial to getting the most out of Program 3 with your TDW20 enhanced TD20.

The setup information file that comes standard with the backup has been taken from a **Roland Default** setup.

We strongly recommend you open the backup in VDL and copy your setup file from a previous backup, then resave the file. This will preserve the settings and volumes directly from your drum set, and the pack parameters will adjust to these settings accordingly.

***VDL = V Drum Librarian
www.vdrumlib.com***

Note:

If you do not use VDL, take a moment to write down your Trigger settings, as loading our backup directly from your CF card will result in " resetting " your parameters to a Roland Default set up.

Thank you once again for purchasing the **Program 3 Expansion Pack** from **V Expressions LTD**. We hope you enjoy it!

Program 3 Kit Listings:

1. Live Birch – 1996 Tama Starclassic Birch
2. Live Mahog – 1985 Premier Resonator
3. Live Brush – Brush kit based on a 2009 DW Classic
4. Live Maple – 1999 Noble and Cooley CD Maples
5. Live Timbales – Tito Puentes Latin derived kit
6. Live Exotics – 2005 DW Tamo Ash w/ maple core shells
7. Live Contemporary – 1994 Tama Cordia II
8. Live Combo – 1987 Yamaha Touring Combination shell kit
9. Live Jazz – Standard 60's Sonor Vintage Jazz kit
10. Live Tight – Standard 1999 Mapex Orion Maple Fusion kit
11. Tool - 10K Days Album – Song : The Pot
12. The Killers – Song: Mr. Brightside
13. Maroon 5 – Song: Harder to Breathe
14. Metallica 08 – Album –Death Magnetic
15. Disturbed 09 – Song: The Night
16. New Found Glory – Song: Not without a fight
17. Burn Halo – Album: Burn Halo
18. Queensryche 09 – Song: If I were King
19. All that Remains – Artist: Jason Costa
20. Killswitch Engage – Song: Holy Diver cover
21. Avenged Sevenfold – Album: City of Evil
22. As I lay Dying – Artist: Jordon Mancino
23. Sylosis – Artist: Rod Callard
24. Silverstein – Artist: Paul Koehler
25. Symphony X – Artist: Jason Rullo
26. R&B 1 – Song: Dead & Gone by T.I./ Justin Timberlake
27. R&B 2 – Song: Magnificent by Rick Moss/ J. Legend
28. R&B 3 – Song: Mad by Ne-Yo
29. R&B 4 – Song: Halo by Beyonce
30. R&B 5 – Song: Birthday Sex by Jeremih
31. Pearl Reference – 2009 Maple birch shell mix - 22/14/8/10/12/14/16
32. 1982 Ludwig Chrome Classic – 24/14/10/12/14/16/18
33. Premier Genista 1997 – 20/13/8/10/12/13/14
34. Sonor S Classix 2009 – 22/14/8/10/12/14/16
35. Ddrum Dominion 2008 – 26/14/8/10/12/14/16
36. Tama Exotic Bubinga 2006 – 22/14/10/12/13/14/16
37. Gretsch Brodkaster 2009 – 20/12/12/14 (additionally modeled: 8/10/16)
38. Fortune Custom Drums 2008 – 20/13/8/10/12/14/16
39. Noble & Cooley Horizon Limited Edition 2009 – 22/13/8/10/12/14/16
40. Spirit Custom Drums – Australia made: 2008 – 20/12/8/10/12/14/16
41. Shine Custom Drums – 2008 –20/13/10/12/13/16/18
42. Truth Custom Drums – 2009 – 22/14/8/10/12/13/16
43. Six Gun Drums – 2008 - 24/14/8/10/12/14/16
44. Bison Drums – 2009 – 24/14/8/10/12/14/16
45. Epiarch Drums – 2008 – 22/14/12/13/14/15/16
46. Mullins Drums – 2009 – 22/12/8/10/12/13/16
47. Lignum Drums – 2008 – Barrel Stave / Segmented Shell drums
48. 808 Revised – Roland TR808 based with 80's classic E-toms added
49. Phased R&B – Roland TR909 derived with phaser effect
50. World Spirit – World Percussion set up

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.

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

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.

Programmer Contact Information:

<u>Expansion Pack</u>	<u>Programmer</u>	<u>Contact</u>
Program 3	Chris Blood	email: fiddlebak334@cs.com

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