

V Expressions Ltd



TD-6 Brushes Expansion Pack

a sound enhancing expansion pack for the Roland TD6/V Drum Module

TD-6 / V

Manual Updated 07.2019

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Introduction

Thank you for purchasing V Expressions Ltd's **Brushes for TD-6 / V**.

10 unique drum kits that utilize the brush parameter sounds for jazz style drummers. Subtle snare taps and brush sweeps on coated heads / with excellent cross stick sounds on the rim. Toms that project slight brush taps and nuances found on real acoustic sounding drums with a wide range of pitches and decays. A cymbal set that is matched for brush swells and taps. Kicks drums that compliment a series of Jazz and Brush set ups that will get you noticed.

We have left all the trigger settings at factory default. Our midi file has been created as a "drum kits only" .syx file, so your Trigger bank configuration will not be affected by the midi bulk load.

To Transfer Brushes to your module:

- You will need a working Midi IN/OUT connection from your computer to your TD-6/ V.
- You will need a Midi transfer program.

- We recommend V Drum Librarian: visit: www.vdrumlib.com
- We recommend the Roland UM-one USB to Midi connector.

Please print and read this manual for important pack and module information.

Brushes Kit Listing

Brushes1
Brushes2
Brushes3
Brushes4
Brushes5
Brushes6
Brushes7
OrchPit
Sensitone
Soloist

Getting Started

In an effort 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.

Kits 1-(99) **WILL BE ERASED** during a load of your expansion backup file. However, your module's **factory reset data is never touched**, and this original factory state of your module can always be reset at any time. You will load **Brushes** as a Backup.

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 TD-6 / V owner's manual, or feel free to email **V Expressions Ltd** from the appropriate link on our website at 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!

https://www.roland.com/global/support/by_product/td-6v/updates_drivers/

Note: At the time of this manual update (07/2019), Version 1.02 firmware updates are available for the TD-6/V

Please continue to Section II.

Visit www.vdrumlib.com and download this helpful midi protocol transfer tool to complete the loading sequence of **BRUSHES** to your TD-6/V.

We recommend using the Roland UM-one USB to Midi device if you need a midi device.

Section II: Backing Up the TD-6/V via V Drum Librarian

Make a backup of your module before you continue!

Step 1: With Midi cables connected to your module and computer USB to Midi Interface, Open V Drum Librarian.

Step 2: Select TD-6 in the module dropdown box in VDL

Step 3: Select MIDI from the VDL menu screen

Step 4: Select Receive Sysex Data, Select your Midi interface in drop down menu, press Start

Step 5: On The TD-6/V module, Press **SHIFT/SETUP**, then Cursor Right to **BULK DUMP**

Step 6: Select **ALL**, and then **ENTER/ENTER**.

- Press **EXIT** if you wish to cancel out of bulk dump

Step 7: Once Complete – IN VDL press **Stop**

Step 8: Press **Save** and name file: Mykits.syx or similar.

Step 9: Save file in an easy location on your computer.

Section III: Preparing Your Expansion for Transfer

Download File Information

- Two backup files (expansion) are included in your download.

- At this time please find files: **TD6brushesRIDEcyTYPE.syx** and **TD6brushes.syx** in your download and drag them to your desktop
- You will determine and load **one** of the above files that best supports your setup

File Use:

TD6brushesRIDEcyTYPE.syx should be loaded when you specifically use a CY12 r/13r/15r as your ride cymbal. This pack file has been designed with the separate Bell sound on the Rim ride trigger (RDB) and Bow sound on the Head ride trigger (RD). Plug into the bow/bell trigger for proper use.

TD6brushes.syx should be loaded when you use other Roland/non Roland cymbals and/or pads for your ride cymbal.

Other File Information

- Support for Tom 3/4 is programmed on inputs 7 / 8 with a Rim / PD Type pad Bank Entry.
- PAD – PD9 Ride Cymbal Supported.
- V Cymbal Positional Control is not supported on the **TD6** or **TD6-V**, but is accepted as a Bank Trigger Type pad.
- You can use all the CY series pads with the **TD6 / TD6-V**.
- You have limited choices for pad selection with the TD6.

TD-6 vs TD-6 / V

- TD-6 V comes with a different Case/LCD color
- TD-6 kits, song/patterns are different than TD-6/V
- Tom 2 and 3 Rim Trigger support on TD-6/ V

Section IV: Loading Your Expansion or Kits via VDL (*V Drum Librarian*)

Loading your entire backup expansion

Note: Do not rename the Backup files. They must remain in the original SYX format.

Step 1: With the TD-6/V module properly connected to the computer via Midi IN/OUT.

Step 2: Open VDL and Select MIDI

Step 3: Select SEND SYSEX FILE

Step 4: In the VDL open Screen: Browse your computer and find the file you've chosen to use: **TD6brushesRIDEcyTYPE.syx (OR) TD6brushes.syx**

Step 5: Select file and click **OPEN**

The VDrumLib: Send Sysex... will open. Make sure your Midi device is selected in the "Send Data To" Box

Step 6: You can keep Message Delay (mS) rate at 0 thru 50 - whatever it defaults to.

Step 7: Press **SEND** to load backup.

Step 8: Your TD-6/V Screen should read: ... Please Wait, Receiving Data.

Step 9: Once completed, **Brushes** will be loaded as Kits 1-10

Step 10: You may disconnect Midi cables if desired now. Your computer is not needed to operate Brushes.

Troubleshooting Midi problems:

1. You get: "Check Sum Error" message. It means that some of the .syx file did not get loaded. Try process again. If message persists, reload your Midi driver.
2. You get: "BULK DATA Load Error" message. It means the bulk dump failed. Check your midi cables. Try process again.
3. Device ID Error: Make sure your Midi Device ID is set to #17. Refer to your TD-6/V owner manual.

Pad Configuration

The pad assignments and trigger information are set to standard Roland (Tour) w/ default trigger settings for the following pads:

Kick: KD-8
 Snare: PD-80/R
 HH: PD-7 w/FD7 pedal | VH-11 is supported with a TD6/V
 Tom 1: PD80r / PD-8
 Tom 2/AUX: PD80r / PD-8
 Tom 3-4: PD80r / PD-8
 Ride: PD-9 / CY
 CR1/2: PD-9 / CY

If your pad setup is different than the above mentioned groupings we recommend to write down any/all of your pad types and/or custom trigger settings you may have adjusted. After loading **Brushes**, you may need to recreate all the custom pad settings you have made (pad type, sensitivity, re-trig, etc.)

This will help align **Brushes** with your kit configuration.

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 different than the above, you will need to write down any/all of your pad types and/or custom trigger settings you may have adjusted. After loading, you may need to recreate all the custom pad settings you have made. (pad type, sensitivity, re-trig, etc.)

Please take a moment to write down your personal pad and trigger settings before loading your expansion.

IE: Kick drum is a KD-8, Snare is a PD-80R, Tom 1 is a PD-80

Kick: _____
 Snare : _____
 Hi Hat: _____
 Ride: _____
 Tom 1: _____
 Tom 2/Aux: _____
 Tom 3/4: _____
 Crash 1: _____
 Crash 2: _____

Recommended Trigger Settings for Brushes

Recommended trigger settings using V Expressions LTD programming for use with: V-TOUR drum kits:

pad	kick	snr	Tom	Tom	Tom	Tom	HH	Cr1	Cr2	ride	Pd9	Pd7
-----	------	-----	-----	-----	-----	-----	----	-----	-----	------	-----	-----

			1	2	3	4						
sens	8	7	4	4	5	5	9	7	7	11	8	9
thresh	5	2	5	5	4	4	3	5	5	4	4	4
curve	Lin	Lin	Lin	Lin	Lin	Lin	Lin	Lin	Lin	Lin	Lin	Lin
scan	1.4	2.0	2.0	2.0	1.8	1.8	1.4	1.0	1.0	1.8	1.6	1.4
retrig	8	4	8	8	4	4	8	4	4	8	8	4
mask	8	4	8	8	4	4	8	4	4	12	8	4
X talk	off	off	60	60	60	60	60	60	60	50	50	50
mount (if available)	sep	sep	pad	pad	pad	pad	pad	cym	cym	cym	cym	cym

Performance Settings

Trigger Sensitivities...

Roland Default TD-6/V 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 (if equipped) 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 PD-7/8/9 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 in particular 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 very 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 don't 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.

Don't 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/cymbal pads. 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

Please make sure your pad assignments match your current set up.

If your snare rim shot isn't working like you remember: you will need to adjust it in the trigger section: adjust the rim sens higher to (9-15). I set it at (7) for the programming. If the snare isn't responding to rudiments and rolls lower the sens between (3-6) and adjust the scan time up to 2.0. Try lowering the mask time to 4. If this does not change anything, it might be time to tighten your mesh drum head or possibly replace the trigger cone. Consider moving one of your low toms (tom 4) in the place of your snare drum. I.e: swap the two pd 120 pads.

For general speaker monitoring use and recording purposes these program volume levels may need adjustment. Use the faders to adjust the levels of the instrument groups. Try the faders first, and then go to the mixer section for permanent program changes. All kits use the default master L/R output and headphones.

Most of the trigger levels are set at factory default on this xp pack. This allows for optimum response with either brushes or sticks. If you don't like the way the vex trigger settings affect your playing, you may need some manual adjustment in your trigger basic and advanced sections.

Using Brushes with live PA...

Brushes expansion kits are programmed to define the original source media as closely as possible, *when necessary*, by the TD-6/V drum module.

AMBIENCE: Simply adjust the main level Ambience send levels via Edit-Ambience section. Avoid the larger hall settings when gigging.

PAN: Tom and cymbal separation can also be adjusted using the PAN edit feature to widen the depth of your instruments without harming the kit model.

SNARE EQ/VOL: To help your Snare cut through the mix...Snare depth is at 200 HZ, Snare body is at 400, Snare clarity is at 2 KHZ. Adjust the EQ frequencies until your Snare is cutting while guitars and vocals are present. Crank the output volume level of the snare in the TD-6/V to assist.

STEREO L/R OUT: it is highly recommended that the TD-6/V be sourced to the mixing console in stereo, and then adding/ reducing the desired effects to accommodate the current environment.

MONO L Output: If in Mono, send your signal via the L MONO OUT – we suggest panning to L15 on all triggers...this will greatly enhance your drum set's sound to the mixer. (kik, snr, toms, hh, rd, cr1, cr2)

Contact & Support

If you have questions before attempting any of the procedures above, please refer to your Roland TD-6/V owner's manual, or feel free to email **V Expressions Ltd** from the appropriate link on our website at www.vexpressionsltd.com

Contact Information:

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