

# V Expressions Ltd



## **TD-6 Master 50 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 the Master 50 for the TD-6 & 6/V.

Many of the same snare and cymbal samples have been utilized through the programming but with different tweaks and ambiences applied. This was the best way to create the original artists sound. We are confident you will enjoy all the variations.

This TD 6/V version offers a few kits with the dual rim shot/ cross sticking sound on the snare. There are only 6 samples in the module which allow this. You must select these snare samples in order to get this feature. Our support page online has more on this if you need further assistance.

All of the 50+ drum sets on this programmed pack have Tom 4 supported. The Aux channel is programmed with a crash cymbal sound. Using a stereo splitter cable like the: (Roland PC-31), you can split the Tom 3/4 channel to two separate pads. Same for the Tom2/Aux channel.

### **To Transfer Master 50 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](http://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.**

## Master 50 Kit Listing

- |                        |  |
|------------------------|--|
| 1. Ginger Baker :      | DW Collectors: 2005 Cream Reunion concert. |
| 2. Carter Beauford :   | Yamaha Studio from "Zynergy"               |
| 3. Alex Van Halen:     | Album 1984 ( Jump)                         |
| 4. John Bonham * :     | Studio Sessions from 1975                  |
| 5. John Bonham :       | Ludwig Vistalites Live                     |
| 6. Dennis Chambers :   | Mike Stern Paris Concert 2005 – Pearl      |
| 7. Stuart Copeland:    | Tama Imperialstar: 1981                    |
| 8. Peter Criss :       | Pearl Kit 1977                             |
| 9. Peter Erskine :     | Yamaha Kit                                 |
| 10. Steve Gadd :       | Yamaha Kit                                 |
| 11. Keith moon:        | Premier concert tom kit                    |
| 12. Vinnie Paul :      | kit from Damageplan Album                  |
| 13. Neil Peart :       | Ludwig kit from 80's.                      |
| 14. Ringo Starr:       | Ludwig Kit                                 |
| 15. Dave Weckl:        | 1996 studio recording kit                  |
| 16. Ian Paice:         | 2005 solo kit                              |
| 17. Kenny Ornoff :     | Studio solo                                |
| 18. Billy Ward :       | Video solo kit                             |
| 19. Phil Rudd :        | Sonor Phonic                               |
| 20. Ed Thigpen:        | Remo Drums                                 |
| 21. Simon Phillips:    | Tama Drums                                 |
| 22. Mike Portnoy :     | Tama Drums                                 |
| 23. Abe Laboriel Jr. : | DW drums live with STING                   |
| 24. Joey Jordinson :   | Pearl Drums live with Slipknot             |
| 25. Jon Fishman :      | Recording with Phish                       |
| 26. Rod Morganstein :  | Rudess / Morganstein project live          |
| 27. Chad Sexton :      | Recording with 311                         |
| 28. Tre Cool :         | Recording with Green Day                   |
| 29. Billy Cobham :     | On Yamaha Recording customs                |
| 30. Danny Carey :      | With Tool on Sonor Drums                   |
| 31. Tommy Aldridge :   | Live w/ Yamaha Drums                       |
| 32. Phil Ehart :       | Kansas with Yamaha Drums in studio         |
| 33. Thomas Lang :      | Sonor Drums / Live                         |
| 34. Virgil Donati:     | Live w/ Premier Drums                      |
| 35. Terry Bozzio :     | Live on Remo drums                         |
| 36. Bernard Purdie :   | Sonor drums in Studio                      |

- |                        |  |
|------------------------|--|
| 37. Lars Ulrich :      | Tama drums live                          |
| 38. Scott Rockenfield: | Pearl drums live                         |
| 39. Vinnie Colaiuta :  | Gretsch Drums live                       |
| 40. Joey Kramer :      | Aerosmith (1976 - Toys) Studio kit       |
| 41. Aaron Comess:      | Studio set w/ Spin doctors               |
| 42. Gregg Bissonette : | Mapex Be Bop kit – studio session        |
| 43. Dave Abbruzzesse:  | DW drums recording with Pearl Jam        |
| 44. Elvin Jones :      | On Slingerland- Live room sound          |
| 45. Mike Mangini:      | Pearl Drums – Overture/ studio recording |
| 46. Steve Ferrone:     | Gretsch Drums – Live with Eric Clapton   |
| 47. Bill Bruford:      | Live with Earthworks                     |
| 48. Alex Acuna:        | Recording with Heavy Weather             |
| 49. Tony Williams:     | Live in New York on Gretsch Drums        |
| 50. Marco Minnemann:   | Studio Drum solo on DW Drums.            |
| 51. Omar Hakim:        | Recording set 1996 session               |
| 52. Bonus Set          | 2008 Pacific                             |
| 53. Bonus Set          | 1988 Pearl DX                            |
| 54. Bonus Set          | 2008 Ddrum Acoustic Series               |
| 55. Bonus Set          | 2006 DW Exotics w/ Brass Snare           |

## 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 **Master 50** 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](http://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/](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](http://www.vdrumlib.com) and download this helpful midi protocol transfer tool to complete the loading sequence of **MASTER 50** 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

- (4) FOUR backup files (expansion) are included with your download.

### File use:

You will generally only load one of the four files to your TD-6/V that best represents your needs.

**New for the Master 50 only on TD6/V: Your four files contain 2 specific versions of the Master 50.**

1. **Studio / recording use:** the two files called: **TD6M50RideX.syx \*** and **TD6M50.syx** are programmed
2. **Live use:** the two files called: **“TD6M50live.syx\* and TD6M50LiveRideX.syx** are programmed

\* Please see the information below on which exact file to load to your module.

The two versions differ from each other with ambience changes, slight instrumentation changes, and EQ'ing differences. Please feel free to experiment and cross select from the various versions to create your optimum playing scenario.

**“ RideX “ in file name = CY Ride use: \*** CY-12r, 13r, 15r cymbal as your RIDE CYMBAL - load the file named: **TD6M50RideX.syx or TD6M50liveRideX.syx.**

This is designed to give you a crashing edge on your ride cymbal. Your cable should be in the bow/edge input. You will notice three distinct sounds on the cymbal. The bell/bow trigger (HEAD) features the X series sample that is pressure sensitive. The harder you play the sample: the bell sound will be heard. A lighter sticking will reveal the bow sound. The edge trigger (RIM) features the E series sample that will reveal a crashing edge sound. This is mainly for those who have the KX series TD6V kits and complies with the standard Ride cymbal programming Roland originally supplied those set ups.

**Roland/non Roland Pad use:** Any other type of pad or CY-8, CY-5, CY-6, CY-14 cymbal in the ride input, please load the file **TD6M50.syx or TD6M50live.syx.**

## 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 one file you've chosen to use:

<b>Studio/ Recording use:</b>	<b>TD6M50.syx</b>	or	<b>TD6M50RideX.syx</b>
<b>Live use:</b>	<b>TD6M50live.syx:</b>	or	<b>TD6M50LiveRideX.syx</b>

**Step 5:** Select the 1 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, **The Master 50** drum kits will be loaded as Kits 1-55.

**Step 10:** You may disconnect Midi cables if desired now. Your computer is not needed to operate Master 50.

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 owners 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-80/ 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 **Master 50**, you may need to recreate all the custom pad settings you have made (pad type, sensitivity, re-trig, etc.) This will help align **Master 50** 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 Master 50

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

pad	kick	snr	Tom 1	Tom 2	Tom 3	Tom 4	HH	Cr1	Cr2	ride	Pd9	Pd7
<b>sens</b>	8	7	4	4	5	5	9	7	7	11	8	9
<b>thresh</b>	5	2	5	5	4	4	3	5	5	4	4	4
<b>curve</b>	Lin	Lin	Lin	Lin	Lin	Lin	Lin	Lin	Lin	Lin	Lin	Lin
<b>scan</b>	1.4	2.0	2.0	2.0	1.8	1.8	1.4	1.0	1.0	1.8	1.6	1.4
<b>retrig</b>	8	4	8	8	4	4	8	4	4	8	8	4
<b>mask</b>	8	4	8	8	4	4	8	4	4	12	8	4
<b>X talk</b>	off	off	60	60	60	60	60	60	60	50	50	50
<b>mount (if available)</b>	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. Ie: swap the two pad 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 Master 50 with live PA...

**Master 50** 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](http://www.vexpressionsltd.com)

### Contact Information:

Expansion Pack	Programmer	Contact
Master 50 TD-6/V	Chris Blood	email: <a href="mailto:fiddlebak@gmail.com">fiddlebak@gmail.com</a>

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