

VAULT

a sound enhancing expansion pack for the Roland TD-10EXP Drum Module
(w/ TDW-1 Expansion Wave Card)

Owner's Manual

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V Expressions Limited: TD-10EXP Expansion Pack Instructions

READ ALL OF THE FOLLOWING BEFORE CONTINUING!

All user (ram) sets currently in your TD-10 will be erased when you bulk load the ram information off the M512 E/G card. **Write settings and parameters down of any custom sets you have created before continuing.**

IMPORTANT: If you are happy with current pad response settings before loading the card, take a moment to write down all the trigger settings for each pad.

This programming will only work with TD-10's equipped with the TDW-1 wave expansion card. If you do not have the TDW-1 wave card fitted to the motherboard of the TD-10 do not attempt to load programming. Roland V-Session kits come standard with the TDW-1 wave card.

MODULE TEST: YOU WILL HAVE TDW-1 WAVE CARD IF AT POWER UP THE MODULE DISPLAYS: TDW-1 WAVE/ V CYMBAL CONTROLLER. THE FIRST KIT ON THE WAVE BOARD IS: TDW-1

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-10 owner's manual or email V Expressions LTD from our website at www.vexpressionsltd.com.

Section 1

Procedure I: Setting Slider Levels and Fader Mode

Make sure the TD-10 is in "Fader Mode". If you use TD-10 as a stand alone device (not as drum set controller) this is not necessary.

Step 1: Hold <KIT> down.

Step 2: While holding <KIT> down, press <TOOLS>. (*dot should appear next to the drum set number in the L.E.D. display*)

Step 3: Set all sliders to 90%. This will set the levels correctly when executing the new kits from the card. After loading in sets, adjust to preference. You might notice a decrease in volume. You can raise your sliders to compensate in kit mode. The sensitivity levels are set at factory preset. If you experience "machine-gunning", lower the sensitivity times in trigger mode.

Procedure II: Bulk Load Card: RECOMMENDED

Step 1: Press <SET UP> then <F4> (UTIL) then <F2> (LOAD)

Step 2: Insert the memory card carefully in the MEM CARD SLOT located above the Kick, Snare, Tom1 and Tom2 cable inputs. Insert according to instructions printed on memory card face.

Step 3: Press <F4> (LOAD) (*confirmation display will appear on screen*)

Step 4: Press <F4> (EXEC) (*data will be loaded from the card to the user rom*)

Step 5: To cancel, press <F2> (CANCEL)

Note: You can also choose to copy individual kits to the TD-10 instead of the bulk load. Some display pages do not allow copy. Refer to the TD-10 manual; page 117. Remember to remove ram card from TD-10 to help conserve battery life.

Procedure III: Loading Individual Drum Kits from the card

Insert Memory Card

Step 1: Press <KIT>

Step 2: Press <TOOLS>

Step 3: Press <F1 (COPY)>

Step 4: Use jog wheel to scroll through all the USER and CARD kits.

Step 5: Select copy/destination sources. (*information will be overwritten*)

Step 6: Press <F4> (COPY)

Step 7: Press <F4> (EXEC) or <F1> (CANCEL)

If this procedure fails, the TD-10 will have to be initialized. Be sure to remove ram card first! Initialize the unit then bulk load the card info.

Procedure IV: Saving to Card

M512G or M512E cards will work for this procedure.

Step 1: Turn of "Protect Switch" on card.

Step 2: Press <SETUP>, then <F4> (UTIL), then <F1> (SAVE)

Step 3: Press <F4> (SAVE)

Step 4: Press <F4> (EXEC) or <F1> (CANCEL)

Section 2a

Procedure: Loading VAULT via MIDI with VDrumLib

V Expressions highly recommends [VDrumLib](#) as the preferred midi librarian and transfer tool. The following instructions can be used with [VDrumLib](#).

If you need the [VDrumLib](#), please use the link to download program. The trial includes 10 free uses. After that it is a \$20 charge to register the program. We highly recommend you have this program, especially if you are using multiple VEX packs. The application is far worth the small price. V Expressions does not own this program but endorse it for the use of our programming over all the modules we support.

1. Once downloaded and initialized on your computer with your midi I/O device, open the VDL program using the desktop shortcut that was created for you.
2. Click on the File Menu at the top of the screen that says MIDI. Then click on "Send Sysex" file. An Open / Look in screen will appear and browse your computer for the [VaultSys.syx](#) file. Click on that file and hit Open.
3. Another screen will appear that says: [VDrumLib](#): Send Sysex.....It should show the file: [VaultSys.syx](#) in *the Send data from* dialog area. The next area down on this screen is: *Send data to:* and a list will appear of all your active midi connections. Click on the one that is connected to your TD10 EXP.
4. Leave the message delay at default (50ms)
5. Click SEND. Your module should be receiving the bulk information.

If your module is not responding to the midi information and nothing seemed to happen on the module, check your midi connection. Even if [VDrumLib](#) showed transfer progress, the problem is most likely your midi connection from the computer to the TD-10 EXP module. You can always click the HELP menu on the program to help troubleshoot. Visit the [VDrumLib](#) help section for further tips and support.

Remember to set your faders to 90% and be in "fader mode"

Section 2a

Procedure: Loading VAULT via Midi-Ox

Please NOTE: **All user sets currently in your TD-10 will be erased** when you bulk load the sysex data from VAULT using the MIDI-OX utility. **If you have any custom sets you created, please ensure you perform a bulk or kit dump to a sysex file prior to loading VAULT.** (see Section 1, Procedure II).

IMPORTANT: If you are happy with current pad setting response, ensure that you undertake a settings dump (see Section 1, Procedure II) or take a moment to write down all the trigger settings for each pad.

This programming will only work with TD-10's equipped with the TDW-1 wave expansion card. If you do not have the TDW-1 wave card fitted to the motherboard of the TD-10 do not attempt to load programming. Please note: Roland V-Session kits come standard with the TDW-1 wave card.

MODULE TEST: YOU WILL HAVE TDW-1 WAVE CARD IF AT POWER UP THE MODULE DISPLAYS: TDW-1 WAVE/ V CYMBAL CONTROLLER. THE FIRST KIT ON THE WAVE BOARD IS: TDW-1

About Midi-Ox

MIDI-OX is a shareware all purpose MIDI utility that allows SysEx data to be transferred to and from MIDI capable devices. SysEx data tells your module what your drum settings are and is a convenient way to save all your tweaks, info and even patterns to your computer. It essentially does the same job as VKitTrans but does not offer as nice an interface or the ability to allocate individual kits to specific locations (e.g. Kit # 49 as a sysex file will only ever load itself back to location 49).

MIDI-OX can be downloaded from: <http://www.midiox.com/>

Procedure I: Setting up Midi-Ox for SysEx Transfer

Install the program according to the manufacturer's instructions.

Step 1: Open the MIDI-OX program.

Step 2: Ensure that your MIDI interface device is identified and selected by selecting [Options] then [MIDI Devices].

Step 3: Under the [Options] menu, ensure that the 'Pass SysEx' option is selected. *(indicated by a tick)*

Step 4: Make sure your TD-10 is connected via MIDI and turned on.

Hint: Switch Midi IN and OUT cables if the above is not working.

Procedure II: Bulk Dump to save current settings/kits RECOMMENDED

- Step 1:** In Midi-Ox, go to [View], [Sysex]. (*new window 'SysEx view and scratchpad' should appear*)
- Step 2:** In this window, go to [SysEx] and press [Receive Manual Dump]. (*new window should appear 'SysEx Receive'*)
- Step 3:** On your TD-10 module. go to [Setup], [F2-MIDI], [F4-Bulk]. The screen will show 'Bulk dump; Transmit Data'
- Step 4:** Using the modules selection wheel, select 'All, Setup, All drum kits, All perc groups, all patterns or One drum kit' depending on what data you wish to save. Note: Selecting all will send all setup, drum kit, percussion group and pattern info.
- Step 5:** Press [F4-Exec] to confirm the bulk dump.
- Step 6:** The TD-10 will show the transmitting data and Midi-Ox will show the receiving data. Pressing [F1-Stop] will stop the bulk dump.
- Step 7:** When complete click on the 'Done' button in Midi-Ox. Click the [Kit] button on the TD-10 to exit to the main screen.
- Step 8:** In Midi-Ox click on [Display Window], [Save As]. Save the file in the location of your choice with an appropriate name (eg 'My custom sets'. *Hint: if you are only saving an individual kit, include the location number in the file name - this will let you know which kit it will overwrite when you reload it.*)
- Step 9:** Repeat steps 1-8 for individual kits, setup, percussion groups or patterns.

Procedure III: Loading VAULT

- Step 1:** Ensure that Midi-Ox is set up as per Procedure I.
- Step 2:** In Midi-Ox go to [View], [Sysex]. A new window 'SysEx view and scratchpad' should appear.
- Step 3:** In this window select [File], [Send SysEx file].
- Step 4:** Browse to the file 'The VaultSys.syx' and click 'Open'. *Hint: for future use you can load individual kits, setup info, patterns and percussion groups via selection of the relevant files you have created in Procedure II.*
- Step 5:** Midi-Ox will show file progress and the TD-10 will show 'Bulk Data Receiving... Please, wait.'
- Step 6:** Repeat steps 2-5 for each SysEx file you wish to upload. *Note: The VaultSys.syx file contains all 50 kits so you do not need to upload them individually.*

Remember to set your faders to 90% and be in "fader mode".

Section 3 Kit Descriptions

BRASSsnr – exp thin shell BRASS SNARE	Bonzo LZ3 – JOHN BONHAM ON LED ZEP III
DW 22" – 2001 DW Wrap kit w/ 22X18 kick	REMO FX – REMO w/ FLANGE EFFECT
MastWORX – 2004 Pearl Mastworks	Rogers – ROGERS DYNASONIC
Dry Attic – Dry Acoustic ambient	POCKET – Standard Recording set
Ludwig72 – 1972 LUDWIG CLASSICS	Ayotte – AYOTTE DRUM SET
ABE L. JR – ABE LABORIEL JR.	METALLICA – LAR ULRICH 1992
meatEATR – HARD ROCK POWER KIT	PRMR XPK – PREMIER XKP DRUM SET
SONORhit –SONOR HI LITE DRUM SET	DAV WECKL – DAVE WECKL
Yam 9000 – 2002 Yam Record 9000 Series	AEROSMTH – 1976 JOEY KRAMMER
TAMA IMP – TAMA IMPERIALSTAR	EMPIRE – SCOTT ROCKENFIELD
PearlBLX – PEARL MASTERS BIRCH	50'S HLWD – 1950'S ROGERS HOLLYWOOD
PRMR PwrT – PREMIER SOUNDWAVE	CONN RSWD – CONN USA ROSEWOOD -40's
CLUBDATE – 50's WFL Clubdate kit	S. CPLAND – STUART COPELAND
Dry Beef – DRY DEEP POWER SET	RESONATR – PREMIER RESONATOR DRUMS
OAK Yama – YAM ABSOLUTE OAK	LATIN – LATIN PREC SET UP
GRETSCH – 8 PLY GRETSCH MAPLE	SLNGRLND – 1970 SLINGERLAND DRUMS
N&C HORIZON – NOBLE & COOLEY	STEEL – STEEL DRUM SET UP – IN 5 th s
CAMCO'62 – OAKLAWN JAZZ STNDRD	DAN CARY – DANNY CAREY / TOOL
SONORdlr - 2003 SONOR DELITE	TOMMYLEE – TOMMY LEE
Ludwg spr C – 70's LUDWIG SUPER CLASSIC	BASEMENT – HYBRID ACOUSTIC
GMS 26" – 26" KICK DRUM	VISTALITE – LUDWIG VISTALITE
80's TAMA – 1986 TAMA GRANDSTAR	SDS-1000 – SIMMONS SDS-1000 ELECTRONIC
MPXsatrn – MAPEX SATURN	MR. TR808 – ROLAND TR808
STRclssc – TAMA STARCLASSIC PERFORMER	909 XYZ – ROLAND TR909
PRLexport – 1990 PEARL EXPORT	YAMAHA R5 – YAMAHA R5

Kit Configurations

Kits layout as follows:

Trigger Input	Position	Pad
Kick	Kick	KD-120
Snare	Snare	PD-120
Tom 1	Tom 1	PD-100
Tom 2	Tom 2	PD-100
Tom 3	Tom 3	PD-120
Tom 4	Tom 4	PD-120
Hi Hat	Hi Hat	CY-12H
Crash 1	Crash 1	CY-14C
Crash 2	Crash 2	CY-14C
Ride	Ride	CY-15R
Aux 1	Ride Edge	CY-15R CTR
Aux 2	Crash 3	CY-14C/PD Pad

It is very important for you to configure your trigger bank section for your own set up on the TD-10. If you are using a PD9 for cymbals, you will need to change the trigger configuration to reflect a PD9. The programming volumes may need to be adjusted after you verify and change your configuration.

V Expressions LTD can not guarantee the operation of any of its expansion packs on equipment not supported by the Roland Modules. We will help you configure your set if the expansion pack is not performing like you think it should.

Special Note to VAULT Users

Some of the drum sets on this programmed expansion pack will contain a low tom on Aux2 input on the head trigger. So if you are using a cymbal pad, please note that this will occur and is normal. The rim trigger of Aux 2 is usually programmed with a crash, splash, or china.

The Classic and The Vault are similarly set up this way as well. System 1 is not set up this way.

TIP: There is a special cable made and for sale through HopeDrums.com that enables you to separate the Head and Rim trigger of this input for use with two individual pads. You can have an extra PD120 on your set as a fifth tom, and still enjoy the rim trigger crash sound of an additional pad of any Roland supported type.

Recommended Trigger Settings for the VAULT

Recommended trigger settings using V Expressions LTD programming for use with: V-Pro and V-Sessions drum kits:

Write your current settings down next to these before you change anything.....

pad	kick	snare	Tom1	Tom2	Tom3	Tom4	HH	Cr1	Cr2	ride	Pd9	Pd7
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	Log2	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	sep	sep	pad	pad	pad	pad	pad	cym	cym	cym	cym	cym

Section 4 Important Notes and Troubleshooting

LAST REVISED: 2008

Please make sure your pad assignments match your current set up. When you bulk load the info off the card or update the user ram via midi loading – the pad assignments will change to a standard v-session set up. If different, you will need to adjust these for your set up in the: trigger/bank section of the td10. This is especially important for the vktrans kits to work right!

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 pd 120 pads.

Trigger 10/ ride cymbal and the v cymbal controller. Cy15 r: three way cymbal triggering is done using two cables to get the "crashing edge" sounds. It is achieved by inserting one cable in #10 (bow/bell on cym) and the other in #11 < aux #1 > (bow/edge on cym). Aux #1 will be programmed with a crashing ride edge. Make sure the trigger setting is set on: cy15 ctr – for #11 (aux #1) and the trigger setting is on cy15 positional for #10

All VAULTS kits come with a crashing edge sound on aux 1.

All future VEX xp pack releases for the TD-10exp module will include this feature as well.

For live use and recording purposes these program volume levels will need adjustment. Use the faders to adjust the levels of the instrument groups. Try the faders first, then go to the mixer section for permanent program changes. All kits have a 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.

If for any reason you feel the xp pack is not working properly or your drum set is not responding like you want it to, please call us. We can help! Call 239-549-2120 to talk w/ Chris – the programmer.

Section 5 TD-10 Contact and Support Information

FOR MORE INFO ON THE TD-10 EXP or other expansion packs,
PLEASE VISIT US ON THE WEB: <http://www.vexpressionsltd.com/>

VAULT

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A very special thanks goes out to all the BETA Testers that helped shape the final release of this product. Without their input and suggestions, the VAULT, VAULT and Classic would not have come to be. If you would like to be a BETA TESTER for future releases of V Expressions LTD XP Packs, please contact us.