

V Expressions Ltd



ATLAS Expansion Pack

a sound enhancing expansion pack for the Roland TD-30 Drum Module

TD-30

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Introduction

Thank you for purchasing V Expressions Limited's **ATLAS for TD-30!**

This expansion pack intended for the TD-30 provides 20 unique and specialized stereo drum kit selections.

Atlas provides you with plug n play kits designed for ease of use, selection, and 'fit your mix' capabilities. Fully genre based, Atlas is variety laden with something new for many musical situations, recording and live performance alike. Most of the pack is acoustic drum based, featuring well defined kicks/snare/toms for real world use. Well thought out cymbal selections and tunings provide a balanced group of cymbals custom tailored to each kit. Modern Electronic/EDM inspired kits cover a wide array of musical creation. Programmed with an assortment of excellent instrumentation, the use of multiple master effect engines make playing fun and interesting, along with well-placed percussive accessories programmed through many of the kits. This pack spotlights great production value for clear/concise recording quality with an overall modern postproduction drum sound approach.

You will find kits for Reggae, Rock, RnB, Pop/Dance, Metal, Country, Funk, Jazz and Fusion, Electronica not to mention many other uses. The acoustic drum kits in this pack are programmed and created with the feel of direct mic'ing along with added ambience, eq, and compression. All models feature wide ambience in stage, studio, and larger room environments.

While developing these kits, many acoustical considerations were carefully thought out and created to translate well in a headphone performance setting and with loudspeakers. Combining our vast knowledge of acoustic drum sets, these kits were created from ear to best fit into various genres of music. What you get is a cohesive drum sound to fit the part perfectly.

You can dial down the ambience and reverb effects without affecting the produced sound of the kit.

For all experience levels and functionality, this pack will deliver a great enhancement to the TD-30.

The **ATLAS** expansion pack has been ear-created on the TD-30 KV drum set from scratch on a highly expressive platform.

Atlas Kit Listing:

Kit

- | | |
|--------------------|------------------------|
| 1. NY Club | Jazz |
| 2. Chicago Nights | Jazz Blues |
| 3. East Reflection | Fusion |
| 4. Pacific Coast | Funk/Fusion |
| 5. Southern Cross | Classic Rock |
| 6. Golden Child | Classic Rock |
| 7. Kentucky Bound | Country |
| 8. The Bottom-Line | Country & Western |
| 9. Happy Roots | Reggae |
| 10. Calypso Air | Calypso |
| 11. Platinum | Pop / Rock |
| 12. Jump in: Jack | Electronic Dance |
| 13. Mind Signals | Hard Rock |
| 14. Eleven UP | Hard Rock |
| 15. Hammer Down | Metal |
| 16. Thrash Talk | Metal |
| 17. Conga Rain | Atmospheric Percussion |
| 18. It's Go Time | Electronica |
| 19. South Central | Hip Hop |
| 20. Diamond Life | EDM |

Getting Started

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.

NOTE: To preserve your pad setup, any driver input settings including all vendor / custom settings for DAW use, and any custom kits you've created – Make a backup of your setup configuration to the USB Thumb Drive.

Custom user kits **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 can Preview each kit directly from the USB drive – you just can't make changes until you load **ATLAS** as a Backup or each kit individually one by one.

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 Roland TD-30 Reference or Quick Guide 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!

Check Roland website for updates and load the latest firmware if needed.

Section II: Formatting your USB Thumb Drive in the TD-30

Skip to Section III if you have already used a USB Thumb Drive with your module!

If you have never used a USB Thumb Drive with your module, and have no data on it, you have to format the drive in the module to create the Roland folder structure.

IMPORTANT! Any data on the USB Thumb Drive WILL BE deleted by formatting the card in the module!

Step 1: Carefully insert your USB Thumb Drive into the TD-30 module.

Step 2: Press the **USB MEM** Button.

Step 3: Press F5 (A↔B)

Step 4: Press F4 FORMAT

Step 5: Press F5 FORMAT

Step 6: Press FORMAT, Then EXECUTE.

Note: Press Cancel if you do not wish to Format your USB Thumb Drive.

Section III: Backing up your TD-30 Before Loading the VEX Pack

Remember to make a backup of your module in the previous step before you continue!

Step 1: Insert your USB Thumb Drive in the TD-30 module

Step 2: Press **USB MEM** button

Step 3: Choose F1 Save

Step 4: Use the dial and arrow buttons to make backup settings – choose a backup other than Backup 5.

Any backup of the same number in this folder WILL BE OVERWRITTEN!

Step 5: Press **SAVE** (you can name this backup; once done Press **EXIT**)

Step 6: Press **EXECUTE**.

Note: Press Cancel at any time if you do not wish to Save a backup to your USB Thumb Drive.

Section III: Saving Your Newly created TD-30 Backup to your computer

Step 1: Insert your USB Thumb Drive into your computer's USB port

Step 2: Open the Roland > TD-30 > Backup folder.

Step 3: Drag your new backup to your desktop.

Step 4: Create a Folder to store the file in, and move file to this folder.

Step 5: Once complete: Eject and or remove the USB Thumb Drive.

Section III: Preparing Your Expansion

Memory Loading Requirements: We recommend a 2 - 16GB USB THUMB DRIVE. We use Roland/ HP/ SanDisk 2-16GB USB Thumb drives.

Backup File Information

- One backup file (expansion) supplied
 - **TD30_Backup-005.TD0:** This is **Backup 05**, and will read as: **ATLAS30**
 - **Kits 1-80 are stock Roland kits.**
-
- **ATLAS** Kits 81-100 are optimized for stereo headphone use.
 - Kit 81 appears first upon loading.
 - All Aux triggers are supported.
 - **ATLAS** Drum kits will load in as Kits 81-100.
 - All **ATLAS** Drum kits are supplied with the Snare Xstick available.
 - To best optimize your trigger performance, please read the Performance Settings Guide on pages viii/ix of this manual.
 - You will set all your slider levels to "0" to start with. Adjust as necessary.
 - The Roland VH-13 is fully supported and was used in the creation of ATLAS on the TD-30.

Section III: Transferring ATLAS to your USB Thumb Drive

Ensure the expansion number is unique from any backup number already on your USB Thumb Drive in the "Roland > TD-30 > Backup" folder. Any backup of the same number in this folder WILL BE OVERWRITTEN! Atlas is Backup 05.

Step 1: Insert your USB Thumb Drive into your computer's USB port.

Step 2: Find the File: **TD30_Backup005.TD0** that came with your download.

Step 3: Open the Roland > TD-30 > Backup folder on your USB Thumb Drive.

Step 4: Drag the file: **TD30_Backup005.TD0** 05 from the download to this folder: "Backup" (on USB Thumb Drive).

Step 5: Once verified and complete: Eject and or remove the USB Thumb Drive.

Audition/Copy any drum kit in ATLAS on the TD-30 without loading

See pg 123 in your TD-30 manual

Step 1: Press Setup

- Step 2:** Press F5 scroll to B [A↔B] button for (KIT SEL)
- Step 3:** Press F1 KIT SEL
- Step 4:** Press F3 USB
- Step 5:** Press F3 to scroll to bank (05)
- Step 6:** Use Value Dial to audition the kits (81-100)
- Step 7:** To Copy kit into USER section, press F5 Copy
- Step 8:** Use Value Dial to Select a USER kit (1-100)
- Step 1:** Press F5 Copy
- Step 1:** Press F5 Execute

Section IV: Loading ATLAS kits Individually from an external USB Thumb Drive for TD-30

These are the TD30 Roland drum sets that ATLAS was created on.

Roland TD30KV



Roland TD30K



NOTE: If you are using a Newer Series (50/27 pads) or a VAD Kit {with/and/or} a CUSTOMER TRIGGER set up: Skip to section B below

If you are using a standard TD30KV/TD30K or previous Roland model set up (V Sessions, V Pro, V Pro S, etc) use section A loading procedure for a fast, plug n play transfer.

Press the "KIT" button at any time to cancel the process.

A. Copy 50 Drum kits at a Time.

Copying 50 drums kits to the TD-30

See page 50 in your TD-30 manual

- Step 1:** Connect your USB flash drive into the module's USB Memory Port.
- Step 2:** Press Shift and the USB MEM button together
- Step 3:** Press F4 (50 Kits)
- Step 4:** Press F3 (USB)
- Step 5:** Set Bank to ATLAS30 - Backup (05)
- Step 6:** Set USB to 51-100
- Step 7:** Set USER to 51-100
- Step 8:** Press F5 (copy) then F5 (execute)

Once the load completes: Almost ready but.....you are NOT done yet!

Note: Perform these following steps to align the pack properly to your kit!

Step 9: Recalibrate your VH Series Hi Hats – but if you have a floor pedal with pad (PD/CY) setup instead...then skip this.

Step 10: Make sure your pad settings match your kit's pad types.

Step 11: Re-save a copy of **ATLAS** to your USB Thumb Drive with your corrected pad settings.

B. Use the Kit Copy function to load each kit individually.

IMPORTANT – PLEASE READ. This loading procedure is recommended for most advanced users.

Use this method of loading the kits:

- 1) **All VAD users / acoustic & third-party trigger users**
- 2) **When custom trigger settings have been created**
- 3) **When you are using any special DAW /vendor settings and drivers**
- 4) **When you have a fully custom trigger setup/pad configuration**

Copying each kit individually to the TD-30

See pages 49 & 50 in your TD-30 manual

Step 1: Connect your USB flash drive into the module's USB Memory Port.

Step 2: Press Shift and the USB MEM button together

Step 3: Press F1 Kit

Step 4: Press F3 USB

Step 5: Set Bank to ATLAS30 - Backup (05)

Step 6: Set USB to any VEX kit (81-100)

Step 7: Set USER to any kit of your choice (1-100)

Step 8: Press F5 (copy / execute)

Repeat this process for each kit you want to load individually.

Pad Configuration

The pad assignments and trigger information should be set to standard Roland default trigger settings for the following pads:

Kick:	KD Type
Snare:	PD Type
Tom(s) 1-4:	PD/A/X TYPE
HH:	VH Type
Ride:	CY -R Type
CR1/2:	CY-Type
Aux 1-4:	CY or PD Type

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

This will help align **ATLAS** with your kit configuration. This is important when using your module with other brands.

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.)

If you are using custom trigger, older Roland pads, or other hardware: Please take a moment to write down your personal pad and trigger settings before loading your expansion.

IE: Kick drum is a KD-140, Snare is a PD-128S, Tom 1 is a PD-108.....

Kick: _____

Snare : _____

Hi Hat: _____

Ride: _____

Tom 1 : _____

Tom 2: _____

Tom 3: _____

Tom 4: _____

Crash 1: _____

Crash 2: _____

Aux 1: _____

Aux 2: _____

Aux 3: _____

Aux 4: _____

Performance Settings

Trigger Sensitivities...

Roland Default TD-30 Sensitivities range from 6-9 depending on which pad you are using. 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 and try to keep the hardest ATLASs 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 CY Cymbals 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 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 quite common for the beater to bounce back and hit the head a second time immediately after the intended ATLAS. Many times, on acoustic drums the beater stays against the head and you do not 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.

Do not 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/cymbals. 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

Using ATLAS with a live PA...

ATLAS kits 81-100 are optimized for STEREO/HEADPHONE USE. The settings below will help dial in your drum sound thru speakers.

Room/OverHeads/MFX Reverbs: Avoid the larger hall settings when gigging. Most of time: Less is more. **To adjust:** Press “**AMBIENCE**”, then “**ROOM – OVERHEADS**” and adjust LEVEL. MFX settings are found at mixer button then paging down.

PAN: Tom and cymbal separation can also be adjusted using the PAN edit feature to widen or reduce the depth of your instruments without harming the kit model. Keeping a tighter pan will sound better through the PA.

Master EQ: Reduce or Add low/hi eq frequency amounts to even out your kit models on the PA. Use PAD EQ settings to help fine tune the sounds of the kit. Sometimes reducing Bass is the way to add Treble. Subtractive EQ-ing works well with Boomy PA's.

SNARE EQ/VOL: To help your Snare cut through the mix.... Snare depth is at 160-250 HZ, Snare body is at 400-630, Snare clarity is at 2 kHz. Adjust the EQ frequencies in your snare channel until your Snare is cutting while guitars and vocals are present. Crank the output volume level of the snare in the TD-30 to assist.

LOW XSTICK / HI HAT PEDAL VOL: To adjust: Press “Mixer”, then KIT VOL – use arrows/dial to make adjustments.

STEREO L/R OUT to PA: For a simple stereo connection to the mixing console use the TD30 XLR outputs. You can then add / reduce 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 for your particular gig kit. This should greatly enhance your drum set’s power in the PA. Panning this way should give you much stronger/ punchier audio and help curb the “drown in effects” wash sound.

Contact & Support

If you have questions before attempting any of the procedures above, please refer to your Roland TD-30 owner’s manual, or feel free to email **V Expressions Ltd** from the appropriate link on our website at www.vexpressionsltd.com

Contact Information:

<u>Expansion Pack</u>	<u>Programmer</u>	<u>Contact</u>
TD-30 Atlas	Chris Blood	email: fiddlebak@gmail.com

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