



V Expressions Ltd

TRUE ACOUSTIC SERIES

ULTRA Expansion Pack

a sound enhancing expansion pack for the Roland V51 Drum Module

V51

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Introduction

Thank you for purchasing V Expressions Ltd.'s **TRUE ACOUSTIC SERIES: ULTRA** for the V51.

The **ULTRA** Kits are optimized with enhancements from the V51 Version 1.03 Firmware.

You must have **Version 1.03 Firmware** loaded. You must have Roland Expansion packs: Wood Room Studio Kits, Electronic & Percussion 1, and The Brush 1 for **ULTRA** to load properly into your module. Several models may not load correctly without those Expansions.

Built for acoustic purity, performance and playability. This pack will excel in both the Live Setting and Recording/Session situations. Ambience and Master Effect Verbs have been designed to enrich the drum models. **Acoustic Purists who do not like reverbs, ambience, or effects: simply lower the Master AMBIENCE slider to bottom of slider guide.**

Featuring classic and modern acoustic drum sounds with deep, fat tones that punch through a live mix. These drum kits are sure to embrace the low mid-section of today's music genres. A delicate jazz kit that performs precisely with your nuances, subtleties, and finesse. A brush kit that is as expressive as your playing. A pop kit that fills the pocket perfectly. **Funk, Reggae, Country, Fusion, Modern Rock, Classic Rock, and Worship kits all included. 5 Famous drummers kits modeled.** Ultra is designed for recording, session and live work.

We Got You:

ULTRA contains **37** uniquely designed kits. Using blended and multi-layered sounds, this pack features deep toms and snappy/ punchy snares that cut. These drum kits are sure to fit the needs of any performance style. Created to enhance playability for the acoustic purist—the tones and pitches selected will maximize all performances. The cymbals are blended with the kits through this pack. Zildjian K, Zildjian Vintage, Paiste Signature/ 2002 and Meinl Byzance have been faithfully patterned.

Production: The drum sets in this pack are built for expression, playability, power, and punch. 100's of programming hours has built an easy to use/ plug n play sound enhancing pack that is fun to play, wonderful to record with, and loaded with value.

The collection of snares, toms, kicks and cymbals will inspire any drummer and enhance their performance.

For all experience levels and functionality, this pack will deliver a well-balanced enhancement to the V51. All Four AUX triggers have been programmed and optimized for a 3-4 Tom setup with additional cymbals. Aux 1, 2, generally programmed as cymbals. Aux 3 will be a 14" (i.e.: Tom 3) in a 4-tom setup

The **ULTRA** expansion pack has been ear-created on the V71 Version 1.20 from scratch on a highly expressive platform. These kits were imported into a V51 Version 1.03 and reworked for use with a VAD516 standard setup.

Three Exclusively created V Expressions Ltd sample .WAV data has been utilized. *Less than 1% of Sample Memory will be used.* These three samples have been used in the sub layer instrument setting to supply the kits with unique sounds without affecting performance, dynamic feel, and adaptive response.

V51 ULTRA Kit Listing

Kit descriptions:				<u>KIT File #</u>
100.	Gretsch USA	HHX	4 Tom	100
101.	Pearl Masters	Signature	4 Tom	101
102.	Shleishman	Omega	4 Tom	102
103.	Masterworks	Hybrid Birch Mahog	4 Tom	103
104.	Ludwig 3 Ply	1971	4 Tom	104
105.	Tama Superstar	1984	4 Tom	105
106.	GMS	SE Grand Session	4 Tom	106
107.	Premier	Powerhouse	4 Tom	107
108.	N & C	CD Maple	4 Tom	108
109.	Ludwig	Vistalite	4 Tom	109
110.	Sonor Designer	97 Tamo Ash	4 Tom	110
111.	Yamaha	Absolute	4 Tom	111
112.	DW	Satin Oil	4 Tom	112
113.	Slingerland	63 Rogers Dyna	4 Tom	113
114.	Ayotte	18" Kick	4 Tom	114
115.	Funkaholic	Tama Performer	4 Tom	115
116.	Country	Tight Maple	4 Tom	116
117.	Reggae	Open	4 Tom	117
118.	Moonlit	Trio	2 Tom	118
119.	Vegas Baby	Sphere	4 Tom	119
120.	Pop Top	Pearl Reference	4 Tom	120
121.	Rock Old School	Leedy	4 Tom	121
122.	Alter-Naive	Fusion Mapex	4 Tom	122
123.	Modern Rock	Tama Birch/Granstar	4 Tom	123
124.	Worship Deep	DW Exotic/Vertical SNR	4 Tom	124
125.	Stave 1 Ply	Acacia custom	4 Tom	125
126.	70's Session	Rogers	4 Tom	126
127.	Danny Carey	Fear Inoculum	4 Tom	127
128.	John Bonham	Led Zeppelin II	3 Tom	128
129.	Neil Peart	Moving Pictures	5 Tom	129
130.	Buddy Rich	Radio King	4 Tom	130
131.	Ringo	Better Snare	3 Tom	131
132.	Atmosphere	Mellow Club	4 Tom	132
133.	Ring Brushes	Camco	4 Tom	133
134.	Bama Breeze	DW Country	4 Tom	134
135.	Trixon	Mix n Match	4 Tom	135
136.	Craviotto		4 Tom	136

Programmed as follows (in general):

Kick:	Kick
Snare:	Snare
Tom 1-3:	Toms 1-3
Hi Hat:	Hi Hat Cymbal
Ride:	Ride Cymbal
C 1 & 2:	Crash Cymbals
Aux 1:	Splash Cymbal
Aux 2:	Crash or Trash Cymbal
Aux 3:	14" Floor Tom (ie: Tom 3)



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100. Gretsch USA
Gretsch USA Custom 2014, Maple Shells - 22 kick, 14 Snare, 10/12/14/16 toms
101. Pearl Masters Signature
Pearl Masters Maple, 22 kick, 14 Snare, 10/12/16/18 toms
102. Shleishman Omega / Australian
American Rock Maple, mid 2000's - 22 kick, 14 Snare, 8/10/14/16 toms
103. Masterworks Hybrid Birch Mahogany
Pearl Flagship Bubinga/ Mahog shell, 2016, 24 kick, 14 Snare, 12/13/14/16 toms
104. Ludwig 3 Ply Maple/Maple/Maple
Ludwig American Maple, 1971 - 24 kick, 14 Snare, 12/13/14/16/toms
105. Tama Superstar
Tama, 1984 Birch Shells - 24 kick, 14 Alloy Snare, 10/12/13/15/toms
106. GMS SE Grand Session Limited Run
Northeastern Maple, 1996 Custom fabricated 7 ply Shells – 22 kick, 14 Snare, 8/10/12/16 toms
107. Premier Powerhouse 1976
Premier Mahogany Shells – 22 kick, 14 Gretsch Snare, 12/13/14/16 toms – Zildjian A's 70's
108. Noble & Cooley CD Maple
1999 Maple Recording Standard -22 kick, 14 Snare, 10/12/14/16 toms
109. Ludwig Vistalite Acrylic/ Amber
Ludwig 1977 - 24 kick, 14 Snare, 10/12/14/16/toms.
110. Sonor Designer 1997 Tamo Ash
Sonor Maple Lite /Tamo Ash Veneer - 22 kick, 14 Snare, 10/12/14/16 toms
111. Yamaha Absolute 1999
Maple Shells - 24 kick, 14 Alloy snare, 10/12/14/16/toms
112. Drum Workshop Satin Oil
DW Keller Shell, 1996 Burgandy fade - 22 kick, 14 wood Snare, 10/12/14/16 toms
113. Slingerland Rogers Dynasonic Snare
Slingerland, 1963 Radio King – Rogers Dyna Snare 1967 – 24 kick, 14 Snare, 12/13/14/16 toms
114. Ayotte 18" Kick
Ray Ayotte Custom Series, 1997 – 18x16 kick, 14 Snare 10/12/14/16 toms

115. **Funkaholic** **Tama Performer**
Tama Performer Birch, 1995 Shells - 20 kick, 14 Steel Snare, 10/12/14/16 toms
116. **Country** **Tight Country**
Maple Reflector SJC Custom, 2023 22 kick, 14 Wood Snare, 10/12/14/16 toms
117. **Reggae open** **Timbale A3**
Ludwig Mahogany, last run late 60's 3 ply Mahog/Pop/Mahog Shells - 22 kick, 14 Snare, 12/13/16/18 toms
118. **Moonlit Trio** **Jazz**
Vintage Sonor 1966 – 9 ply 6mm beech shells –20 kick, 14 Steel Snare, 13/16 toms
119. **Vegas Baby** **Stadium Sphere**
Tama Starclassic - 22 kick, 14 Snare, 10/12/14/16 toms
120. **Pop Top** **Pearl Reference**
Pearl, 2018- 22 kick, 14 Snare, 10/12/14/16 toms
121. **Rock Old School** **Leedy**
1952 Shells – 2 kits: 28 kick, 14 COB Snare, 12/13/14/16 toms
122. **Alter-Naive** **Fusion Mapex**
Mapex, 2008 6 ply Maple Shells – 22 kick, 14 Hybrid Alloy Snare, 10/12/14/16 toms
123. **Modern Rock** **Tama Birch**
Tama Granstar, 1986 9MM 7ply Shells- 22 kick, 14 snare, 10/12/14/16 power toms
124. **Worship Deep** **Vertical Vamp Snare**
DW Exotic Mapa Burl Drums 1998 - 22 kick, 14X8 Vertical Vamp Snare, 10/12/14/16 toms
125. **Stave 1 Ply** **Acacia Custom**
Acacia 1995- 18 kick, 14 Maple Snare, 10/12/14/16 toms
126. **70s Session** **Rogers**
Rogers 1965 - 20 kick, 14 Snare, 12/13/14/16 toms
127. **Danny Carey** **Tool/ Album Fear Inoculum SNAREs OFF Intentional**
Sonor, 2018 SQ2 Custom – 22 kick, 14 Snare, 8/12/14/16toms
128. **John Bonham** **Led Zeppelin / Album Led Zeppelin II**
Ludwig Classic, 1973 3 Ply All Maple, 26 kick, 14 Snare, 14/16/18 toms– Paiste Sound Formula
129. **Neil Peart** **Rush / Album Moving Pictures**
Tama Superstar Birch, 24 kicks- 6/8/10 Concert- 12, 13, 15, 18 Sealed
130. **Buddy Rich** **Slingerland Radio King**
1964 Ludwig Hollywood - 22 kick, 14 Snare, 12/13/16 toms
130. **Ringo** **Beatles-Premier Duraplastic / Album Please Please Me**
1960 Premier - 20 Kick, 12"/16" toms
132. **Atmosphere** **Mellow Club**
Virtual Built kit. Effect built and designed for R&B
133. **Ring Brushes** **Camco 1964 Legacy**
Camco Vintage Shells 1964- 20 kick, 14 Snare, 12/13/14/16 toms
134. **Bama Breeze** **DW Collector / Wrap Finish Ply**
DW Maple shell. 22 kick – 10/12/14/16 toms
135. **Trixon** **Mix N Match**
1962 Trixon Telstar- 22 kick, 14 Snare 12/13/16/18 toms
136. **Craviotto** **Single Ply**
2017 Maple shells - 22 kick, 14 Snare 10/12/14/16 toms

Preparing your Expansion

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, user sample list, 28 channel driver input settings including all local/vendor custom settings for DAW use, and any custom kits you've created – **Make a backup of your setup configuration to the SD card.**

Your module's **factory reset data is never touched**, and this original factory state of your module can always be reset at any time.

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 V51 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!

Version 1.03 firmware or newer is required to load these files.

Section II: Formatting your SD Card in the V51

Skip to Section III if you have already used your SD Card with your module!

If you have never used your SD Card with your module, and have no data on it, you may format the SD Card in the module to create the Roland folder structure.

IMPORTANT! Any data on the SD Card WILL BE deleted by formatting the SD Card in the module!

Step 1: Carefully insert your SD Card into the V51 module.

Step 2: Press the **SETUP** Button / Access Backup screen.

Step 3: Scroll to **SD Card Format** and Press **Enter**

Step 4: Arrow Right and Press **ENTER** (OK) to confirm and execute the format.

Note: Press Exit if you do not wish to Format your SD Card.

Section III: Backing Up the V51

Make a backup of your module before you continue!

- Step 1:** With SD Card in the V51 module, Press the **SETUP** button
- Step 2:** Access Backup screen and Scroll to **SAVE**.
- Step 3:** Press **ENTER**.
- Step 4:** Use the dial and arrow buttons to make backup settings – choose an empty backup.
- Step 5:** Use arrows and dial (*if you want to NAME backup*).
- Step 6:** Press **SAVE**, Arrow Right and then Press **ENTER**.

Note: Press EXIT at any time if you do not wish to Save a backup to your SD Card.

IMPORTANT: Once saved, remove your SD Card from V51 and insert into your computer/laptop. Copy the Roland folder to your Desktop. Do not move it there, only copy it, so it leaves the Roland folder on the SD Card as well. This will preserve a copy of your module on your computer before any V Expressions changes have taken place.

Section III: Preparing Your Expansion

Memory Loading Requirements: A Standard SD CARD (64Mb-32GB) and a computer/laptop with an SD Card reader.

Backup File Information

- **ULTRA** Kits are optimized with enhancements from the V51 **Version 1.03 Firmware**.
- **Backup #09** is supplied for bulk loading (BKUP-009.TD0).
- **Kits 100-136 are supplied:** to individually load
- Load the kits via the **1 KIT LOAD** feature to preserve your trigger settings.
- Factory kits are preserved.
- Module Kits 100-136 will be **ULTRA** when bulk loading.
- All **ULTRA** kits are optimized for **stereo** headphone monitoring and LIVE use in **stereo**.
- Roland Digital Pads and all Aux triggers are supported.
- The Roland **Digital Hi Hat VH-14D, Digital Snare PD14-DSX, and Digital Ride CY-18DR** were used to create this pack.
- The pack will still perform fine without the digital pads if you don't own/use them.
- All **ULTRA** Drum kits are supplied with the Snare Crosstick active using the PD14-DSX.
- Set your **Volume Sliders to 0 (Zero) which is ¾ the way up from bottom**, then work from there.
- **For Acoustic Purists: Don't like Ambience/Reverb or extra effects? Lower the Master AMBIENCE slider to bottom.**

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Sample Data Information

- Custom V Expressions created Samples are embedded in the backup file you downloaded and will load automatically. Less than 1% of sample memory will be used.
- Avoid: Renaming or Optimizing the **ULTRA** Sample Data after it loads. Doing so may harm the model.

Section III: Preparing Your Expansion

Continued

Remember: To load the files from V Expressions Ltd successfully to your V51 Module, your SD Card **MUST** be properly structured.

If you have never used your SD Card, you must format your new SD Card in the V51. This will create the proper file system.

If you have previously made a backup of your module, double check the folders are available on your SD Card. (see your download file structure for an example)

We recommend Sony and SanDisk SD CARDS.

A) Copying your EXPANSION Backup File to your SD Card.

- Step 1:** Carefully insert your SD CARD into your computer's SD CARD Reader.
- Step 2:** From your Desktop, locate the file: **BKUP-009.TD0** from the download you received from us.
- Step 3:** Open your SD Card.
- Step 4:** Open the Roland Folder.

Step 5: Open the V51 Folder.

Step 6: Open the **Backup** Folder. (*Roland*→*V51*→**Backup**)

Step 7: Copy or Drag **BKUP-009.TD0** into the **Backup** folder. Renumber the duplicate (if it exists).

Step 8: Once verified **BKUP-009.TD0** is placed in the **Backup** folder, you may close & eject the SD Card.

NOTE: If BKUP-005.TD0 does not get loaded properly to the **Backup** folder on the SD Card – The module can't find it.

B) Copying your EXPANSION Kit Files to your SD Card.

Step 1: Carefully insert your SD CARD into your computer's SD CARD Reader.

Step 2: From your Desktop, locate the **Kit** Folder from the download you received from us.

Step 3: Open your SD Card.

Step 4: Open the Roland Folder.

Step 5: Open the V51 Folder.

Step 6: Open the **Kit** Folder. (*Roland*→*V51*→**Kit**)

Step 7: Copy or Drag: **Kit files 100-136** into the **Kit** folder. Renumber or remove the duplicates (if they exist).

Step 8: Once verified **Kits 100-136** are placed in the **Kit** folder, you may close & eject the SD Card.

NOTE: If Kits 100-136 do not get loaded properly to the **Kit** folder on the SD Card – The module can't find them.

Section IV: Loading Your Expansion

IMPORTANT – PLEASE READ.

A: BULK - All ULTRA kits at ONCE:

This loading procedure is for quick loading. It will **NOT** Preserve your Trigger/ Pad Settings. The bank setting will load in as a default VAD516 setup.

Skip to individual loading (B) to preserve your pad settings.

For a *Quick Load* start here:

Set all your Volume Sliders to 0 (ZERO), which is $\frac{3}{4}$ the way up from bottom.

Kits 100-136 will be ULTRA

Step 1: Carefully insert your SD CARD into the V51.

Step 2: Press **Setup** and access the **BACKUP** screen.

Step 3: Scroll to **LOAD**.

Step 4: Press **ENTER**

Use up/down arrows and dial to specify settings.

Step 5: Use Dial and Scroll to: **09**.

(If it doesn't appear– reload the pack to your SD Card/ Backup folder)

Step 6: Press **LOAD**.

Step 7: Arrow Right and Press **ENTER**.

IMPORTANT:

Check all your pad settings and correct if needed.

You must Re-Calibrate your VH Series Hi Hat. Then we recommend to save the pack to the SD Card.

B: RECOMMENDED LOADING PROCEDURE – PLEASE READ.

Loading your kits individually: from the SD Card

You will load **ULTRA** individually by loading each kit (one by one).

Each non sample kit takes about 2 seconds to load, Sample kits take 3 seconds to load.

This method of loading the kits preserves trigger and pad settings and helps:

- 1) **Most VAD users / acoustic & third-party trigger users**
- 2) **When custom trigger settings have been created**
- 3) **When you are using the USB output to connect to DAW using local/vendor settings and drivers**
- 4) **When you have a fully custom trigger setup/pad configuration**

To load kits individually from your SD Card: **USE the 1 KIT LOAD FEATURE**

Set all your Volume Sliders to 0 (ZERO), which is $\frac{3}{4}$ the way up from bottom.

- **Step 1:** Carefully insert your SD CARD into the V51 module.
- **Step 2:** Press **SETUP** and access the **BACKUP** screen.
- **Step 3:** Scroll to **1 KIT LOAD**, Press ENTER.

Use up/down arrows and dial to specify settings.

- **Step 4:** Select Kits 100-136 to load. These are the **ULTRA** kits.
- **Step 5:** View the line: ☒ **With User Sample** (see note below)

NOTE:

On some kits: User Sample may or may not be checked - ☒

(Keep it checked when it automatically appears checked)

(If it's not checked/unable to check, don't worry about it - the kit doesn't contain user samples)

- **Step 6:** Arrow down and use dial to select a kit to load
Arrow Down and use dial to select a destination kit (this kit will be overwritten)
- **Step 7:** Press **LOAD**.
- **Step 8:** Arrow Right, and Press **ENTER** to load Kit.
(Sample Data will automatically load and category in your User Sample section)

Repeat Steps 6-8 until all kits you want are completed

Once all kits are loaded / or you are complete – we recommend to run the offset calibration on your VH Series HI HAT. This will help align the Hi Hat to the new kits. We recommend to make a (SAVE) backup to the SD Card.

ULTRA Kits Description: See page v-vii of this manual for details

Pad Configuration

The pad assignments and trigger information are set to standard Roland V51 VAD w/ default trigger settings for the following pads:

Kick:	KD TYPE
Snare:	DIGITAL
Tom(s) 1-3:	PD TYPE
HH:	DIGITAL **
Ride:	DIGITAL
CR1/2:	CY TYPE
Aux 1-3:	PD/CY TYPE

ULTRA kits that you load individually will not harm your trigger settings.

** If not done so already: Remember to recalibrate your Hi Hat offset after loading. This will help align **ULTRA** with your kit HH config.

My Pad & Trigger Settings

IMPORTANT: If your pad setup is custom, you should write down any/all of your pad types and/or custom trigger settings you may have adjusted. If you ever load new firmware, you will need to recreate all the custom pad settings you have made. (pad type, sensitivity, re-trig, etc.)

Note: If you are using a standard Roland Default Bank setup ie: Bank 01: VAD516 / Bank 02: TD516....then you can skip this step

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-22, Snare is a P14-DSX, Tom 1 is a PDA100.....

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

Trigger Sensitivities...

Roland Default V51 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 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 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 strike. 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 **ULTRA** with a live PA.

ULTRA kits are optimized for STEREO/HEADPHONE Monitoring and LIVE output use. The settings below will help dial in your drum sound thru speakers.

Room/OverHeads/Reverb/Kit Reso: Avoid the larger hall settings when performing. Most of time: Less is more. **To adjust:** Press “**AMBIENCE**”, then “**ROOM – OVERHEADS – REVERB – KIT RESO**” and make changes to SEND and OUTPUT levels.

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 a smaller PA. **To adjust:** Press **Mixer, VOL/PAN. Arrow up**

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 EQing works well with Boomy PA's. **To adjust:** Press “**EQ/COMP**”, then “**PAD EQ**”

SNARE EQ/VOL: To help your Snare cut through the mix.... Snare depth is at 160-250 HZ, Snare body is at 1K, Snare snap is at 2 KHZ, and snare wire clarity is at 6.3 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 V51 to assist. **To adjust:** Press “**EQ/COMP**”, then “**PAD EQ**”

LOW XSTICK / HI HAT PEDAL VOL: To adjust: Press MIXER “KIT VOL (F3)”, then arrow down ↓ to these settings and adjust as necessary

STEREO L/R OUT w/ DIRECT OUTS: It is highly recommended that the V51 be connected to the mixing console in **stereo**, and then adding / reducing the desired ambience effects to accommodate the current environment. Additionally, **ULTRA** has been optimized to source the entire kit from the Master L/R outputs. When using the Direct Outs, you'll control routing via OUTPUT settings.

**** MONO L Output:** If in Mono, send your signal via the **L MONO OUT**. We suggest **panning to L30** on all triggers for your particular gig kit. **Reduce the Ambience slider** as well. This should greatly enhance your drum set's power in the PA. (kik, snr, toms, hh, rd, cr1/2, aux1-4). 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 V51 owner's manual, or feel free to email **V Expressions Ltd** from the appropriate link on our website at www.vexpressionsltd.com

Contact Information:

Expansion Pack	Programmer	Contact
ULTRA for V51 Version 1.03	Chris Blood	email: fiddlebak@gmail.com



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