





Owner's Manual



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE

The symbols shown above are internationally accepted symbols that warn of potential hazards with electrical products. The lightning flash with arrowpoint in an equilateral triangle means that there are dangerous voltages present within the unit. The exclamation point in an equilateral triangle indicates that it is necessary for the user to refer to the owner's manual.

These symbols warn that there are no user serviceable parts inside the unit. Do not open the unit. Do not attempt to service the unit yourself. Refer all servicing to qualified personnel. Opening the chassis for any reason will void the manufacturer's warranty. Do not get the unit wet. If liquid is spilled on the unit, shut it off immediately and take it to a dealer for service. Disconnect the unit during storms to prevent damage.

#### **ELECTROMAGNETIC COMPATIBILITY**

This device complies with part 15 of the FCC Rules and the Product Specifications noted on the **Dedaration of Conformity**. Operation is subject to the following two conditions:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

Operation of this unit within significant electromagnetic fields should be avoided.

use only shielded interconnecting cables.



If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

Private household in the 25 member states of the EU, in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one).

For Countries not mentioned above, please contact your local authorities for a correct method of disposal. By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health.

# WARNING FOR YOUR PROTECTION READ THE FOLLOWING:

KEEP THESE INSTRUCTIONS

HEED ALL WARNINGS

FOLLOW ALL INSTRUCTIONS

THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING LIQUID AND NO OBJECT FILLED WITH LIQUID, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS

CLEAN ONLY WITH A DRY CLOTH.

DO NOT BLOCK ANY OF THE VENTILATION OPENINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

DO NOT INSTALL NEAR ANY HEAT SOURCES SUCH AS RADIATORS, HEAT REGISTERS, STOVES, OR OTHER APPARATUS (INCLUDING AMPLIFIERS) THAT PRODUCE HEAT.

ONLY USE ATTACHMENTS/ACCESSORIES SPECIFIED BY THE MANUFACTURER.

UNPLUG THIS APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong are provided for your safety. If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Refer all servicing to to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

MAINS DISCONNECT: The plug shall remain readily operable. For rack-mount or installation where plug is not accessible, an all-pole mains switch with a contact separation of at least 3 mm in each pole shall be incorporated into the electrical installation of the rack or building.

**Disclaimer**: AutoYa, DigiTech, DOD, Death Metal, Johnson Amplification, Grunge, Lexicon, Multi Chorus, Whammy, and YaYa are trademarks of Harman International Industries, Inc. Other product names modeled in this product are trademarks of their respective companies that do not endorse and are not associated or affiliated with DigiTech or Harman International Industries, Inc. They are trademarks of other manufacturers and were used merely to identify products whose sounds were reviewed in the creation of this product.

#### **DECLARATION OF CONFORMITY**

Manufacturer's Name: DigiTech

8760 S. Sandy Parkway Manufacturer's Address:

Sandy, Utah 84070, USA

declares that the product:

Product name:

Product option: all (requires Class II power adapter that conforms to the requirements of

EN60065, EN60742, or equivalent.)

conforms to the following Product Specifications:

IEC 60065 -01+Amd I Safety:

FMC: EN 55022:2006

EN 55024:1998 FCC Part 15

Supplementary Information:

The product herewith complies with the requirements of the:

Low Voltage Directive 2006/95/EC EMC Directive 2004/108/EC. RoHS Directive 2002/95/EC WEEE Directive 2002/96/EC

With regard to Directive 2005/32/EC and EC Regulation 1275/2008 of 17 December 2008, this product is designed, produced, and classified as Professional Audio Equipment and thus is exempt from this Directive.

With regard to Directive 2005/32/EC and EC Regulation 278/2009 of 6 April 2009, this regulation applies to Class A (single output) external power supplies. The external power supply used with this product is a multi-output power supply and thus is exempt from this Directive.

Roger Johnsen

Vice-President of Engineering 8760 S. Sandy Parkway Sandy, Utah 84070, USA Date: October 11, 2010

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# Warranty

We at **DigiTech**® are very proud of our products and back up each one we sell with the following

- 1. The warranty registration card must be mailed within ten days after purchase date to validate this warranty.
- 2. DigiTech warrants this product, when used solely within the U.S., to be free from defects in materials and workmanship under normal use and service.
- 3. DigiTech liability under this warranty is limited to repairing or replacing defective materials that show evidence of defect, provided the product is returned to DigiTech WITH RETURN AUTHORIZATION, where all parts and labor will be covered up to a period of one year. A Return Authorization number may be obtained from DigiTech by telephone. The company shall not be liable for any consequential damage as a result of the product's use in any circuit or assembly.
- 4. Proof-of-purchase is considered to be the burden of the consumer.
- 5. DigiTech reserves the right to make changes in design, or make additions to, or improvements upon this product without incurring any obligation to install the same on products previously manufactured.
- 6. The consumer forfeits the benefits of this warranty if the product's main assembly is opened and tampered with by anyone other than a certified DigiTech technician or, if the product is used with AC voltages outside of the range suggested by the manufacturer.
- 7. The foregoing is in lieu of all other warranties, expressed or implied, and DigiTech neither assumes nor authorizes any person to assume any obligation or liability in connection with the sale of this product. In no event shall DigiTech or its dealers be liable for special or consequential damages or from any delay in the performance of this warranty due to causes beyond their control.

**NOTE**: The information contained in this manual is subject to change at any time without notification. Some information contained in this manual may also be inaccurate due to undocumented changes in the product or operating system since this version of the manual was completed. The information contained in this version of the owner's manual supersedes all previous versions.



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# Section I - Introduction

# **Getting Acquainted**

Congratulations on your purchase of the RP355. You now have an incredibly advanced modeling guitar processor that can keep up with your creative impulses and even increase them. Armed with DigiTech®'s patented AudioDNA2® custom audio DSP chip, the RP355 gives you a huge selection of tones and effects, right at your fingertips. When you easily dial up a tone or effect from the Tone Library or the Effects Library, you'll appreciate the accuracy in each model, and the dynamic interaction in each tone. Add USB support for computer recording with the included Cubase® LE 4 software and a built-in drum machine, and you have the RP355: the key to unlock your creative potential.

#### Included Items

Before you get started, please make sure that the following items have been included:

- RP355
- Cubase<sup>®</sup> LE4 Recording Software DVD
- PS0913B Power Supply
- Warranty Card

The utmost care was taken while your RP355 was being manufactured. Everything should be included and in perfect working order. If anything is missing, contact the factory at once. Please help us become acquainted with you and your needs by sending us your completed warranty card or registering online at www.digitech.com. It is your safeguard should a problem arise with your RP355.

#### About the RP355

#### Stompbox Footswitch Mode

The RP355 includes a very convenient Stompbox Footswitch mode, where the Up, Down, and Amp A-B footswitches function as on/off switches for the Distortion, Chorus/FX and Delay effects. To enable Stompbox Footswitch mode, follow these steps:

From the preset display, press the UP and AMP A-B footswitches simultaneously. The display will read STOMP briefly indicating Stompbox footswitch mode has been enabled. The DOWN, UP, and AMP A-B footswitches will now turn Distortion, Chorus/FX, and Delay effects respectively on and off in the current preset. Note:While Stompbox footswitch mode is active, you cannot navigate through the RP355's presets, nor can you change the Amp A/B channels in the current preset.

To exit Stompbox footswitch mode and return to Preset footswitch mode, press the UP and AMP A-B footswitches simultaneously again. The display will read PRESET briefly indicating Preset footswitch mode is now active again.

## Performance Mode

When you first apply power to the RP355, it powers up in Performance mode. Performance mode provides access to all of the presets within the RP355 via the **Up** and **Down Footswitches**. The **Amp A/B Footswitch** toggles between two amp channels for the selected preset. **Knob I** selects a tone from the Tone Library, **Knob 2** selects an effects chain from the Effects Library, **Knob 3** adjusts the Effects Level, and **Knob 4** adjusts the Amp Gain, **Knob 5** adjusts the Amp Level, and **Knob 6** adjusts the Master Level (volume).

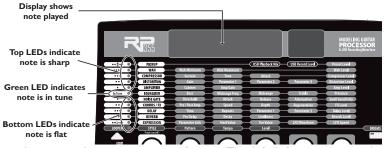


#### Bypass Mode

The RP355 presets can be bypassed via a true analog bypass circuit for a clean, unprocessed guitar signal. To bypass the RP355, press the **Up** and **Down Footswitches** simultaneously. The Display reads BYPR55 indicating the preset is bypassed. Press any footswitch to exit Bypass and return the RP355 to the last preset used.

#### Tuner Mode

The Tuner in the RP355 allows you to quickly tune or check the tuning on your guitar. Enter Tuner mode by pressing and holding the **Up** and **Down Footswitches** simultaneously for 2 seconds. The Display briefly shows TUNER indicating that you are in Tuner mode. To begin tuning, play a note on your guitar (a harmonic at the 12th fret usually works best). The Display shows the note being played. The Matrix LEDs indicate whether you are sharp or flat. The top 5 red LEDs indicate the note is sharp and should be tuned down. The bottom 5 red LEDs indicate the note is flat and should be tuned up. The center green LED indicates the note is in tune. The output is muted in Tuner mode. The Expression Pedal controls the guitar volume while tuning. Exit tuner mode by pressing any **Footswitch**.



In Tuner mode, you can change your tuning reference. The default factory setting is A=440 Hz (displayed as  $\exists \exists \exists \exists \exists A = A$ ). Rotating **Knob I** selects alternate dropped tunings and tuning references. Alternate tunings are A = A, A = G, A = G, and tuning references A=427 - A=453. The display window briefly flashes the current tuning reference.

# Tone Library (Knob 1)

In Performance mode, this knob selects a variety of genre-based amp tone defaults ranging from Blues to Metal to Country. Behind the scenes, the Compressor, Distortion, Amp/Cabinet model, EQ, and Noise Gate are configured to create a specified tone with a single click of this knob. You can further refine the sound by editing the preset (see *Editing/Creating Presets* on page II). Changing between different Tone Library defaults does not change the Chorus/FX, Delay or Reverb, letting you experiment with different amp styles quickly in the context of the current effect chain.

# Effects Library (Knob 2)

In Performance mode, this knob selects a variety of post-amplifier model effect chains (Chorus, Chorus + Delay, Delay + Reverb, etc.). You can further refine the sound by editing the preset (see *Editing/Creating Presets* on page 11). Changing between different Effects Library defaults does not change the Compressor, Distortion, Amp/Cabinet model, EQ, and Noise Gate settings, letting you experiment with different effect chains quickly in the context of the current amp tone.

# Effects Level (Knob 3)

In Performance mode, this knob changes the relative level of the post-amp effects (Chorus/FX, Delay, and Reverb). This can be thought of as an effects mix control, where turning this knob clockwise increases the level of these effects and turning it counter-clockwise decreases the level of these effects.

# Amp Gain (Knob 4)

This knob adjusts the Gain (distortion) for the selected Amp model (not available for Acoustic).

# Amp Level (Knob 5)

This knob adjusts the Level (volume) of the selected Amp model.



#### Master Level (Knob 6)

This knob controls the overall output volume of all of the RP355's presets.

#### X-Edit<sup>™</sup> Editor/Librarian

You can edit your RP355 with your computer, using the X-Edit<sup>™</sup> Editor/Librarian. Download X-Edit<sup>™</sup>, USB drivers, and documentation from www.digitech.com.

#### **Presets**

Presets are named and numbered locations of programmed sounds which reside in the RP355. Presets are recalled with the Footswitches. The active effects in each preset are indicated by lighted LEDs in the Effect Matrix. The RP355 comes with 70 User presets (I-70) and 70 Factory presets (FI-F70). The User presets are locations where your creations may be stored. The Factory presets do not allow you to store any changes to them. From the factory, the 70 User presets are exact duplicates of the 70 Factory presets. This allows you to create your own presets without losing the sounds that came with the RP355.

# Create Your Sound in Three Easy Steps

I.



Tone Library

Select one of 30 different tones from rock, metal, blues, country, and more. The tones consist of a combination of Compressor, Distortion Stompbox, Amplifier/Cabinet, EQ, and Noise Gate.

For a complete list of available tones, see page 33.

2.



**Effects Library** 

Select one of 30 diffferent effects chains. The effects consist of a combination of Chorus/FX, Delay, and Reverb.

For a complete list of available effects chains, see page 33.

3.



Effects Level

Adjust the overall level of the post-amp effects to your liking.

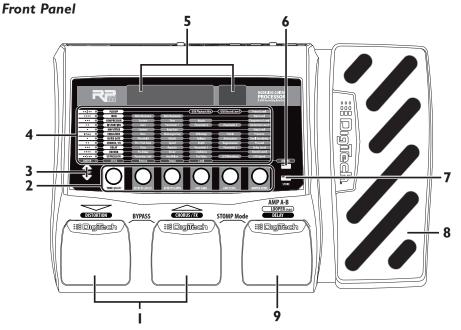
... Rock on!

To make further edits, refer to page 11.

To store the preset, refer to page 12.



# A Guided Tour of the RP355



#### I. Up/Down Footswitches

These two Footswitches are used to select presets, access the Tuner, or bypass the RP355. The Footswitch on the right will select the next preset up, and the Footswitch on the left will select the next preset down. Pressing both Footswitches together will bypass the currently selected preset. Pressing and holding both Footswitches will access the Tuner. Press any Footswitch to exit Bypass or Tuner mode.

#### 2. Knobs 1-6 (From left to right)

These six knobs perform various functions, depending on which mode is currently active and what (if anything) is being edited. The functions are listed below:

#### Tone Library (Knob I)

- 1. In Performance mode, this knob selects from a library of preset amp tones. (See page 33 for a list of preset amp tones.)
- 2. When editing a preset, this knob changes the Amp or Effect model for the selected row.
- 3. When editing an Effect row, press this knob to turn on or bypass the effect.
- 4. When the Drums row is selected, this knob selects the first pattern of each style (Rock, Blues, Jazz, etc.).
- When the Expression row is selected, this knob selects the Expression Pedal, LFO 1, and LFO 2 parameter links.

#### Effects Library (Knob 2)

- 1. In Performance mode, this knob selects from a library of preset effect chains. (See page 33 for a list of preset effect chains.)
- When editing a preset, this knob modifies the parameter listed in the column directly above it for the selected Effect row.
- 3. When the Drums row is selected, this knob selects the different drum patterns available.
- When the Expression row is selected, this knob selects which parameter is assigned to the Expression Pedal, LFO1 or LFO2.



#### Effects Level (Knob 3)

- In Performance mode, this knob adjusts the overall level of post amp model effects (Chorus/FX, Delay, and Reverb).
- When editing a preset, this knob modifies the parameter listed in the column directly above it for the selected Effect row.
- 3. When the Drums row is selected, this knob adjusts the playback Tempo of the drum machine.
- 4. When the Expression row is selected, this knob selects the heel value for the parameter linked to the Expression Pedal.

#### Amp Gain (Knob 4)

- I. In Performance mode, this knob adjusts the Amp Gain (distortion) for the selected Amp model. To change the Amp Gain for Amp A or Amp B, select amp channels using the **Amp A/B Footswitch** and use this knob to change each channel's Amp Gain.
- When editing a preset, this knob modifies the parameter listed in the column directly above it for the selected Effect row.
- 3. When the Expression row is selected, this knob selects the toe value for the parameter linked to the Expression Pedal.
- 4. When the Drums row is selected, this knob changes the drum machine playback level.

#### Amp Level (Knob 5)

- In Performance mode, this knob adjusts the Amp Level (volume) of the selected Amp model. To change the Amp Level for Amp A or Amp B, select amp channels using the Amp A/B Footswitch and use this knob to change each channel's Amp Level.
- 2. When editing a preset, this knob modifies the parameter listed in the column directly above it for the selected Effect row.
- 3. When the Expression row is selected, this knob selects the LFO waveform. LFO I or LFO 2 must first be selected with **Knob I** for this parameter to be available.

#### Master Volume (Knob 6)

- 1. In Performance mode, this knob adjusts the output level of the RP355.
- When editing a preset, this knob modifies the parameter listed in the column directly above it for the selected Effect row.
- 3. When the Expression row is selected, this knob sets the LFO speed. LFO I or LFO 2 must first be selected with **Knob I** for this parameter to be available.

#### 3. Edit Buttons

These buttons navigate up and down the matrix, selecting the row of parameters which the knobs will edit. Press one of these buttons to step through the Effect rows, and return to the preset name display. See page 11 for more information about editing presets. In Learn-A-Lick<sup>TM</sup> mode, these control playback speed.

#### 4. Matrix

The matrix provides information regarding the current preset and parameter edit functions. In Performance mode, the LEDs running down the left side of the Matrix provide a visual indication of which effects are in use for the selected preset. While editing a preset, the LEDs indicate that the Effect row is selected for editing. In Tuner mode, the LEDs indicate whether the note played is sharp, flat, or in tune.

#### 5. Display

The Display provides information for different functions depending on the mode that has been selected. In Performance mode, the Display will show the currently selected preset name and number. In Edit mode, the Display will show the name and value of the parameter being adjusted. In Bypass mode, the Display will read 37P855. In Tuner mode, the Display will show the note played.



#### 6. Drums

The Drums button is used to turn on and off the RP355's built-in drum machine. When the Drums button is turned on, the Drums LED lights and the selected drum pattern plays continuously. Select the Drums row using the **Edit** buttons and use **Knobs I-4** to change the style, pattern, tempo, and level of the drum machine. See page 26 for more information about the drum machine and a list of patterns.

**Note**: The drum machine cannot be used while the Phrase Looper is active.

#### 7. Store

The Store button is used to save your custom edits to the user presets. See page 12 for more information about storing presets.

#### 8. Expression Pedal

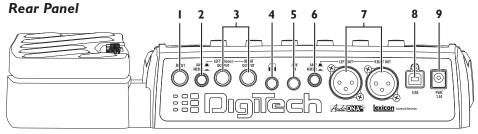
The Expression Pedal provides real-time control of the RP355's Volume, Wah, or any assigned effect parameter. Almost every parameter is available for Expression Pedal control. The Expression Pedal is equipped with a V-switch that turns the Wah feature on or off when you apply extra pressure to the toe. See page 13 for more information about Wah models; see page 28 to learn about adjusting V-switch sensitivity and calibrating the Expression Pedal; refer to page 32 for a list of parameters you can link to the Expression Pedal.

#### 9. Amp A/B Footswitch

This Footswitch switches between two amp channels for the selected preset. The Display will read RMP R when channel A is selected, and RMP B when channel B is selected. Press and hold the **Amp A/B** and the **Up Footswitches** simultaneously to access Learn-A-Lick<sup>TM</sup> mode. (See page 27 for more information on Learn-A-Lick<sup>TM</sup>.) Pressing and holding the Amp A/B footswitch enables and disables the Phrase Looper; see page 26 for more information about using the Phrase Looper.

**Note:** You can apply different EQ models, EQ settings, Amp models and/or Amp settings to each amp channel (Amp A and Amp B). When the EQ or Amp row is selected, press the **Amp A/B Footswitch** to select a channel. The display will show which channel is selected (AMP B) or AMP B).





#### I. Input

Connect your instrument to this high-impedance TS input.

# 2. Amp / Mixer (for the 1/4" Outputs)

This button optimizes the RP355's 1/4" outputs for use when plugged into a guitar amp or a mixer/recording device. When set to Mixer ("In" position; display reads 1/4MIX), speaker compensation is turned on and the outputs are optimized for connecting to a mixer or recording device. When set to Amp ("Out" position; display reads 1/48MP), the outputs are optimized for running directly in to the input of a guitar amp.

#### 3. 1/4" Left (Mono) and Right Outputs

Connect the Left (Mono) output to the input of a single amplifier (or mixer input) for mono operation. Connect the Left and Right outputs to the inputs of 2 amplifiers (or 2 mixer channels) for stereo operation.

#### 4. Headphones

Connect stereo headphones to this 1/8" jack. For proper frequency response, the **XLR Amp/Mixer** switch should be set to Mixer ("In" position) when using headphones. Headphones with 16-100 Ohm impedance are recommended.

#### 5. Aux In

Connect the headphone output of an MP3 or CD player using a stereo 1/8" cable to this 1/8" stereo TRS jack for rehearsing with your favorite pre-recorded material, and using the Learn-A-Lick<sup>TM</sup> feature (see page 27 for more info). Adjust the output level of your playback device and the RP355's **Master Level** knob for the proper volume balance.

#### 6. Amp / Mixer (for the XLR Outputs)

This button optimizes the RP355's XLR outputs for use when plugged into a power amp/speaker system or a mixer/recording device. When set to Mixer ("In" position; display reads XLRMIX), speaker compensation is turned on and the outputs are optimized for connecting to a mixer, recording device or headphones. When set to Amp ("Out" position; display reads XLRMP), the outputs are optimized for running directly in to the input of a guitar amp or power amp.

#### 7. XLR Balanced Line Outputs

Connect these outputs to your power amplifier/speaker system or to a mixing console that accepts balanced XLR connections. Speaker compensation can be enabled on these outputs when connected to a full-range speaker system. The XLR outputs are always configured for stereo operation.

#### 8. USB Port

The USB port is for connecting the RP355 to a computer and serves two purposes: (I) for use with the downloadable X-Edit™ Editor/Librarian software, and (2) for streaming audio to and from the computer. The RP355 will stream 2 channels up and 2 channels down from the computer at 44.1kHz, 16 and 24 bit. A utility panel in the Editor/Librarian controls the direct/ playback mix and USB record level with the included Cubase® LE 4 sofware, or any recording software the RP355 is connected to. **Knobs 4** and **5** also control the direct/playback mix and USB record level when USB is connected and the Pickup Row is selected.

**Note**: X-Edit Editor/Librarian software and USB drivers can be downloaded at www.digitech.com.

#### 9. Power Input

Connect only the DigiTech® PS0913B power supply to this jack.



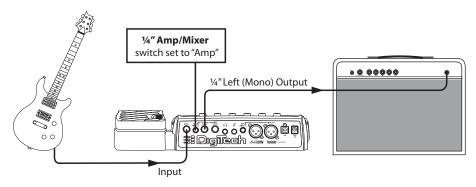
# **Getting Started**

**Making Connections** 

There are several different connection options available with the RP355. Before connecting the RP355, make sure that the power to your amplifier and the RP355 is turned off. There is no power switch on the RP355. To turn the RP355 on or off, connect or disconnect the included PS0913B power supply from the **Power Input** jack.

Mono Operation - Amplifier

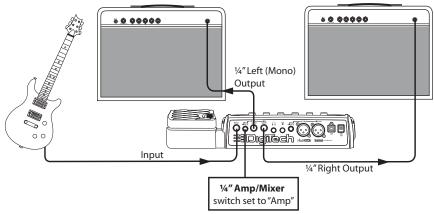
Connect your guitar to the **Input** of the RP355. Connect a single mono instrument cable from the **Left (Mono)** output of the RP355 to the instrument input or effect return on your amplifier. Set the **¼** "**Amp/Mixer** switch to Amp.



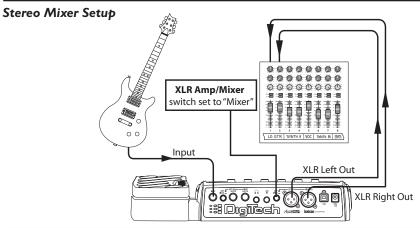
# Stereo Operation

For stereo operation connect the guitar to the **Input** of the RP355. Connect one cable to the RP355's **Left (Mono)** output, and another cable to the RP355's **Right** output. Connect one cable to the input of one amplifier, channel of a mixer, or power amp. Connect the second cable to a second amplifier, second channel of a mixer, or power amp. If connecting to a mixing console, set the pan controls of the mixer channels hard left and right in order to retain stereo separation. If connecting to a mixer, set the ¼" **Amp/Mixer** switch to Mixer. If connecting to two amplifiers, set the ¼" **Amp/Mixer** switch to Amp.

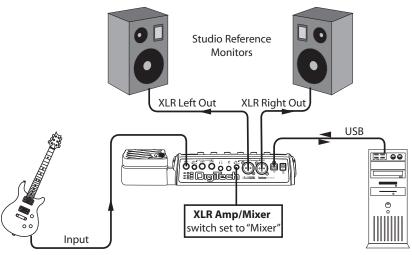
# Stereo Amp Setup

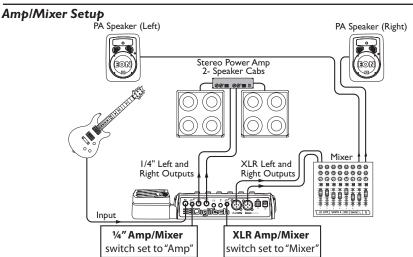






# **Computer Recording Setup**

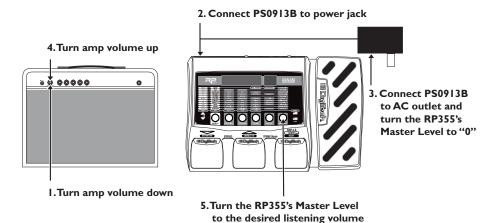






**Applying Power**Before applying power to anything, set your amp(s) to a clean tone and set the tone controls to a flat EQ response (on most amps, this would be 0 or 5 on the tone controls). Then follow the steps listed below.

- 1. Turn the amp volume all the way down.
- 2. Connect the plug of the PS0913B power supply to the power jack on the rear panel of the RP355.
- 3. Connect the other end of the PS0913B power supply to an AC outlet. Turn the RP355's Master Level knob (Knob 6) down to "0".
- 4. Turn the power of your amplifier(s) to the on position and adjust the volume(s) to a normal playing level.
- 5. Gradually increase the RP355's Master Level knob to achieve the desired volume.



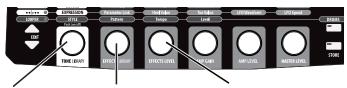


# **Section Two - Editing Functions**

# Editing/Creating Presets

The RP355 is designed to make preset editing and creation easy and intuitive. When creating your own sound, you must first start with an existing preset. Note that the preset you begin with doesn't have to be in the memory location you intend to have it reside, since you can store it to any User preset location during the store procedure.

The easiest way to start is by using the **Tone Library** and **Effects Library** knobs. The **Tone** Library knob will let you select from a variety of pre-programmed amp/distortion tones (see page 33) based on different musical styles. The Effects Library knob will then let you select from a palette of effects chains (see page 33), from simple delays to full multi-effect signals with modulation, delay and reverb. Use the Effects Level Knob to increase or decrease the overall Chorus/FX, Delay and Reverb levels if desired. Using these three controls should get you close to a sound you are after. From there you can then use the Edit buttons to navigate through the individual effects for some fine tune edits.



1. Select a tone with the Tone Library knob

2. Select an effect or effects chain with the effects level with the **Effects Library knob** 

3. Adjust the **Effects Level knob** 

To edit and create a preset:

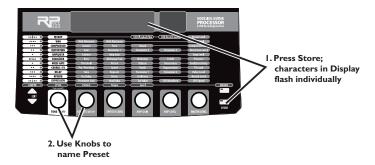
- I. Use the **Up** and **Down Footswitches** to select the preset you wish to edit.
- 2. If you find a preset close to what you want, you can begin editing the effect parameters by pressing the Edit Up/Down buttons and selecting the Effect row you want to edit.
- 3. If you are trying to find something different from the existing presets, begin by using the Tone Library, Effects Library and Effects Level knobs to get close to a sound you want.
- 4. Press the Edit Up/Down buttons to begin selecting the individual Effects rows to edit their parameters.
  5. To bypass or enable an Effect row, press the **Tone Library** knob.
- 6. Use the **Knobs 2-6** to modify the effects' parameter settings.
- 7. When editing the Amp Model and EQ rows, use the Amp A/B Footswitch to select between the two amp channels. You can then edit each channel's Amp Model, Cabinet Model, Amp Gain, Amp Level, and EQ settings independently.

Note: Anytime a stored value within a preset is changed, the Store button LED lights up. This indicates that you need to store the changes. Changing presets, or turning the power off before storing any changes, erases any changes made and the RP355 will revert to the stored values for the preset.

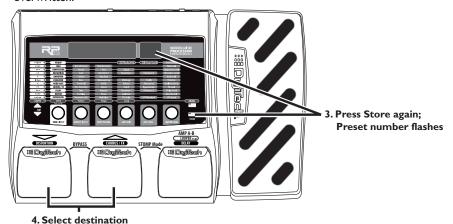


**Storing/Copying/Naming a Preset**Once the preset has been modified to your liking, you may store your settings to any of the 70 User preset locations (presets 1-70). The following steps outline the procedure for storing changes to a preset or copying a preset to a different location:

- I. Press the Store button once. The Store button LED blinks and the first character in the Display flashes, indicating that you can now name your custom creation.
- 2. Use Knob I to select the alpha-numeric character and Knob 2 to select the next character location.



- 3. Once the desired name is shown in the display, press the Store button again to enter the second stage of the storing process. The red Display begins to flash.
- 4. Select the User preset location where your new sound will reside using the Up and Down Footswitches. The displays show the preset name and User preset number about to be overwritten.



5. Press the **Store** button again to save the changes.

with Footswitches

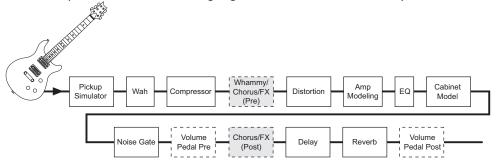
The procedure for copying one preset to another preset location is the same. Use the Footswitches to select the preset that you want to copy, then follow steps I-4 for storing a preset as described above. Press either **Edit** button at any time to abort the Store procedure.



# Section Three - Models and Parameters

## About the Models

The RP355 can be thought of as several different "virtual" amplifiers and individual, high-tech stompboxes in a single programmable package. With stompboxes, the order in which they are connected affects the overall sound. The RP355 has placed the Amp and Effect models in an order for optimum results. The following diagram shows the order in which they are connected.



**Model Definitions** 

Each Amp and Effect model within the RP355 can be programmed to suit your personal taste and application. Understanding how these components alter the sound, and how each parameter alters the effect, will help you achieve the sound you are looking for. The following overview of the RP355's effects outlines what each effect and parameter does.

Pickup.

The **Pickup Simulator** provides the thick tone of a humbucker pickup to a guitar with single coil pickups, or the bright, edgy sound of a single coil pickup to a guitar with a humbucker. This gives you the best of both worlds without having to change guitars during a performance.

**Pickup Model - Knob I** selects the Pickup model to be simulated. Values include:  $SE \mapsto HB$  (gives a single coil pickup the warm tone of a humbucker), and  $HB \mapsto SE$  (gives a humbucker the unique sound of a single coil). Press this knob to turn Pickup modeling on and off.

**USB/RP Mix (When connected to a computer via USB) - Knob 2** adjusts the output mix between the RP355 and playback from the computer. Ranges from  $USB \ \mathcal{O} - USB \ \mathcal{RP} - \mathcal{RP} \ \mathcal{O}$ .

**USB Level (When connected to computer via USB) - Knob 3** adjusts the RP355's recording level sent to the computer. Ranges from -12 to +24.

**Preset Level - Knob 6** adjusts the preset's level. Ranges from  $\square$  to  $\square$ 9.

#### Wah

Wah is an effect controlled by an Expression Pedal making the guitar sound as if it's saying "Wah."

Wah Model - Knob I selects the Wah model. Values include: FULRNG (DigiTech® Full Range Wah sweeps the entire spectrum of audible frequencies), ERYWAH (Cry Wah is a traditional sounding Wah), and ELYJE (based on a Vox® Clyde McCoy™ Wah). Press this knob to turn Wah models on and off.

**Wah Minimum - Knob 2** adjusts the Wah Pedal Minimum. Ranges from  $\Box$  (toe up) to  $\Box$  (toe down).

**Wah Maximum - Knob 3** adjusts the Wah Pedal Maximum. Ranges from  $\square$  (toe up) to  $\square$  (toe down).

Wah Level - Knob 6 adjusts the Wah Level. Ranges from 0dB to +12dB.



#### Compressor

A **Compressor** is used to increase sustain, tighten up guitars, and prevent the signal from clipping the input of other effects. It sets a maximum boundary for the strength of a signal.

Comp Model - Knob I selects one of three Compressor models: IIIEMP (DigiTech® Compressor), ESEOMP (Based on a Boss® CS-2 Compressor/Sustainer), or IYNEOMP (Based on an MXR® Dynacomp). Press this knob to turn the selected Compressor model on and off.

**Knobs 2-6** have the following functions for the various Compressor models:

Compressor Model	Knob 2 (Sustain)	Knob 3 (Tone)	Knob 4 (Attack)	Knob 5	Knob 6 (Compressor Level)
DIGCMP	Sustain	Tone	Attack		Level
CSCOMP	Sustain		Attack		Level
IYNEMP	Sensitivity				Output

#### Distortion

The RP355 models the tones of 18 popular distortion stompboxes, each of which can be tweaked and modified, just like the real thing.

**Distortion Model - Knob I** selects one of 18 Distortion models. Press this knob to turn the selected Distortion model on and off.

the selected Distortion model on and on.	
SEREAM - Based on an Ibanez® TS-9	GRUNGE - DigiTech® Grunge®
BDB - Based on an Ibanez TS-808 Tube	ZONE - Based on a Boss MT-2 Metal
Screamer	Zone®
5PARK - Based on a Voodoo Lab Sparkle	JERTH - DigiTech Death Metal™
Drive	
DDRIV - Based on a Guyatone® Overdrive	GONKLT - Based on a DOD Gonkulator
OD-2	Ring Mod
101250 - Based on a DOD® 250	BTRI/IR - Based on a Roger Mayer Octavia™
Overdrive/Preamp	FUZL TR - Based on a Demeter Fuzzulator
REJLNE - DigiTech Redline - Modified	ELRSFZ - Based on a DOD Classic Fuzz
Overdrive	FUZZ - Based on an Arbiter® Fuzz Face™
ROJENT - Based on a Pro Co RAT™	$BIG$ $PI$ - Based on an Electro-Harmonix $^{\circ}$
$M \times DIST$ - Based on an MXR® Distortion +	Big Muff Pi®
<pre>DSJIST - Based on a Boss® DS-I™</pre>	
Distortion	

**Disclaimer**: Auto Ya, Digi Tech, DOD, Death Metal, Johnson Amplification, Grunge, Lexicon, Multi Chorus, Whammy, and Ya Ya are trademarks of Harman International Industries, Inc. Other product names modeled in this product are trademarks of their respective companies that do not endorse and are not associated or affiliated with Digi Tech or Harman International Industries, Inc. They are trademarks of other manufacturers and were used merely to identify products whose sounds were reviewed in the creation of this product.



**Knobs 2-6** have the following functions for the various Distortion models:

Dist. Model	Knob 2 (Gain)	Knob 3 (Param. I)	Knob 4 (Param. 2)	Knob 5 (Param. 3)	Knob 6 (Distor- tion Level)	P7 (X-Edit <sup>™</sup> only)
SCREAM	Drive	Tone			Level	
808	Overdrive	Tone			Level	
2686K	Gain	Tone	Clean		Volume	
ODDRIV	Drive				Level	
101250	Gain				Level	
REDLNE	Gain	Low	High		Level	
ROJENT	Distortion	Filter			Level	
M×DIST	Distortion				Output	
DSDIST	Gain	Tone			Level	
GRUNGE	Grunge	Butt	Face		Loud	
ZONE	Gain	Low	Mid	High	Level	Mid Freq
DERTH		Low	Mid	High	Level	
GONKLT	Gunk	Smear	Suck		Heave	
8TAVIA	Drive				Volume	
FUZLTR	Fuzz	Tone	Loose/Tight		Volume	
CLASE Z	Fuzz	Tone			Volume	
FUZZ	Fuzz				Volume	
BIG PI	Sustain	Tone			Volume	



#### **Amplifier**

**Amp Modeling** is a technology which applies the tone of several popular modern and vintage amps. Amp Modeling also includes an acoustic guitar simulation.

**Note:** You can select different Amp models and/or modify Amp settings for each amp channel (Amp A and Amp B). When the Amp row is selected, press the **Amp A/B Footswitch** to select a channel. The display will show which channel is selected (RMP R or RMP B).

**Amp Model - Knob I** selects one of the classic, modern, and DigiTech custom Amp models. Press this knob to turn Amp and Cabinet modeling on and off. Note that when you select an Amp model, the default Cabinet model is automatically selected. You can, however, change the Cabinet model after selecting an Amp model.

noverer, change the Cabinet model after ser
57CHMP - Based on a '57 Fender® Tweed Champ®
57JLUX - Based on a '57 Fender Tweed Deluxe
59 IMAN - Based on a '59 Fender Tweed  Bassman®
65TWIN - Based on a '65 Fender Blackface Twin Reverb®
65 JL XR - Based on a '65 Fender Blackface Deluxe Reverb®
식5 리TM - Based on a '65 Marshall® JTM-45
58PLEX - Based on a '68 Marshall 100 Watt Super Lead (plexi)
UMPPNL - Based on a '68 Marshall Jump Panel
77MSTR - Based on a '77 Marshall Master Volume
BOOJEM - Based on an '83 Marshall JCM800 900JEM - Based on a '93 Marshall JCM900
VXRE15 - Based on a '62 Vox® AC15 TOP357 - Based on a '63 Vox AC30 Top
Boost
HIWTAG - Based on a '69 Hiwatt® Custom

I00 DRI03

MARK 2E - Based on an '81 Mesa Boogie®

Mark II C

RECTER - Based on an '01 Mesa Boogie Dual Rectifier
MRTCH - Based on a '96 Matchless™ HC30
SOL INO - Based on an '88 Soldano SLO-100
IIG5LO - DigiTech® Solo
IIGMTL - DigiTech Metal
IIGBRT - DigiTech Bright Clean
IIGEHK - DigiTech Chunk
IIGELN - DigiTech Clean Tube
IIGGAN - DigiTech High Gain
ਟੇ ਪਿੰਡ ਿੱ - DigiTech 2101 Clean Tube
리네크 - DigiTech 2101 Saturated Tube
IIGMON - DigiTech Monster
IIGTWI - Based on a Tweed front Blackface
power hybrid
DIGBLK - Based on a '65 Blackface into a
'58 Bassman
<pre>### IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</pre>
■IG∃KM - DigiTech Dark Metal
IIGIRN - DigiTech Brown sound
REIREI - Dreadnaught acoustic
ACUMBO - Jumbo acoustic
DIRECT - No amp
·



**Cabinet -** When the Amp/Cabinet row is selected, **Knob 2** selects the speaker Cabinet model.

EHMP 18 - Based on a 1x8 '57 Fender® 5RN412 - Based on a 4x12 Marshall 1969 Tweed Champ® Slant w/ Celestion 25W Green □L×112 - Based on a 1x12 '57 Fender hacks Tweed Deluxe® FAN412 - Based on a 4x12 Hiwatt® Custom □RV | | 2 - Based on a 1x12'65 Fender w/ Fane Speakers Blackface Deluxe Reverb BTQY12 - Based on a 4x12 '96 VHT® Slant BMN2 | 2 - Based on a 2x12 '57 Fender w/ Celestion Vintage 30's Blonde Bassman® ドブロリロマー Based on a 4x12 Johnson® TWN212 - Based on a 2x12'65 Fender Straight w/ Celestion Vintage 30's Blackface Twin Reverb® DIGSLO - 4x12 DigiTech® Solo BR7212 - Based on a 2x12 '63 Vox® AC30 DIGBRT - 2x12 DigiTech Bright Top Boost w/ Jensen® Blue Backs DIGMTL - 4x12 DigiTech Metal BMN410 - Based on a 4x10'59 Fender DIGREK - 4x12 DigiTech Rock Tweed Bassman® IIGAL 7 - 4x12 DigiTech Alt Rock [L5412 - Based on a 4x12 Marshall® 1969] DIGV TG - 4x12 DigiTech Vintage Straight w/ Celestion® G12-T70 **IIRECT** - No cabinet model

**Amp Gain - Knob 3** adjusts the Gain (distortion) for the selected Amp model (not available for Acoustic and Direct). The Gain parameter ranges from  $\square$  to  $\square \square$ .

**Amp Level - Knob 6** adjusts the Level (volume) of the selected Amp model. The Level parameter ranges from  $\square$  to  $\square \square$ .

# EQ

The RP355's EQ helps further shape your tone with Bass, Midrange, and Treble controls. To help get you started, there are four preset EQ curves: Mid Boost (MIDBST), Scoop (SEDDP), Bright (BRIGHT), and Warm (MRRM) that can be selected using **Knob I**. Bass, Midrange, and Treble parameters range from -12dB to +12dB.

**Note:** You can select different EQ models and/or modify EQ settings for each amp channel (Amp A and Amp B). When the EQ row is selected, press the **Amp A/B Footswitch** to select a channel. The display will show which channel is selected (AMP B or AMP B).

**EQ Model - Knob I** selects between 4 different EQ modes (Mid Boost, Scoop, Bright, and Warm), each with different frequency centers for Mid and Treble. Pressing this knob turns the EQ on and off.

Bass - Knob 2 adjusts the amount of low end level (Bass).

 $Mid\ Frequency\ -\ Knob\ 3$  selects the frequency that the Mid parameter adjusts. Ranges from 300 Hz to 5000 Hz.

Mid Range - Knob 4 adjusts the amount of midrange level.

Treble - Knob 5 adjusts the amount of high end level (Treble).

**Presence - Knob 6** boosts or cuts the Presence level for the selected channel. Ranges from -12dB to 12dB.

**Treble Frequency (X-Edit**<sup>™</sup> only) - This parameter selects the frequency that the Treble parameter adjusts. Ranges from 500 Hz to 8000 Hz.



#### Noise Gate/Auto Swell

A **Noise Gate** is designed to eliminate noise while you are not playing, or provide an auto volume swell effect.

**Gate Model - Knob I** selects between the DigiTech® noise gate or the volume swell effect. Values include: □ATE (Selects the Noise Gate) and □WELL (Selects the Auto Swell effect.) Press this knob to turn the Noise Gate/Auto Swell on and off.

**Threshold (Noise Gate only) - Knob 2** sets the signal strength (Threshold) required to open or close the Noise Gate. Parameters range from  $\mathcal{Q}$  (opens easily) to 99 (requiring strong signals to open).

**Attack Time - Knob 3** sets the attack time. Ranges from  $\mathcal Q$  (shorter attack time) to 99 (longer attack time).

**Release - Knob 4** sets the Release parameter. Ranges from  $\square$  to  $\square$ 9.

**Attenuation - Knob 5** sets the Attenuation parameter. Ranges from  $\square$  to  $\square$ 9.

**Swell Sensitivity (Auto Swell only) - Knob 6** sets the Swell Sensitivity parameter of the Auto Swell. Ranges from  $\Im$  to  $\Im$ 9.

#### Chorus/FX

The Chorus/FX row in the RP355 is a multi-function module, allowing you to select Effect models such as Chorus, Flanger, Phaser, Vibrato, Rotary Speaker, Tremolo, Panner, Envelope Filter (auto wah), AutoYa<sup>TM</sup>, YaYa<sup>TM</sup>, SynthTalk<sup>TM</sup>, Step Filter, DOD FX25, Detune, Whammy<sup>TM</sup>, Pitch Shift, Detune, IPS, and OC Octaver effects. When the Chorus/FX row is selected, **Knob I** is used to choose the Effect model. Press this knob to turn these Effect models on and off. Only one of the effects in this row can be used at a time. After selecting the type of effect in this module, **Knobs 2-6** can then be used to adjust the individual parameters associated with the selected effect. The following list describes each Effect model and its parameters in more detail:

#### Chorus

A Chorus adds a short delay to your signal. The delayed signal is modulated in and out of tune and then mixed back with the original signal to create a thicker sound. The RP355 includes the following Chorus Effect models: EEEB (based on the classic Boss® CE-2 Chorus), EEEB (based on the TC Electronic Chorus), EEEB (DigiTech®'s Dual Chorus), and EEB (DigiTech's famous Multi Chorus®).

**Knobs 2-6** have the following functions for the various Chorus models:

Chorus Model	Knob 2 (Pre/Post Amp)	Knob 3 (Speed)	Knob 4 (Depth)	Knob 5 (Regenera- tion)	Knob 6 (FX Level)
CE CH2	Pre/Post Amp	Speed	Depth		
TC CHS	Pre/Post Amp	Speed	Width		Intensity
CHORUS	Pre/Post Amp	Speed	Depth	Waveform	Level
MCHORS	Pre/Post Amp	Speed	Depth	Waveform	Level



#### **Flanger**

A Flanger uses the same principle as a Chorus but uses a shorter delay time and adds regeneration (or repeats) to the modulating delay. This results in an exaggerated up and down sweeping motion to the effect. The RP355 includes the following Flanger Effect models: FLANGR (the DigiTech® Flanger), TRGFLG (the DigiTech Triggered Flanger), MXFLGR (based on an MXR® Flanger), and EHFLGR (based on an Electro-Harmonix® Electric Mistress).

**Knob**s **2-6** have the following functions for the various Flanger models:

Flanger Model	Knob 2 (Pre/Post Amp)	Knob 3 (Speed)	Knob 4 (Depth)	Knob 5 (Regenera- tion)	Knob 6 (FX Level)
FLANGA	Pre/Post Amp	Speed	Depth	Regen	Level
TRGFLG	Pre/Post Amp	Speed	Sensitivity	LFO Start	Level
MXFLGR	Pre/Post Amp	Speed	Width	Regen	Manual
EHFLGR	Pre/Post Amp	Rate	Range	Color	

#### **Phaser**

A phaser splits the incoming signal, and then changes the phasing of the signal. This signal is then taken in and out of phase and mixed back in with the original signal. As the phasing changes, different frequencies get canceled resulting in a warm sort of twisting sound. The RP355 includes the following Phaser models: PHRSER (the DigiTech Phaser), TPHRSE (the DigiTech Triggered Phaser), MXPHRS (based on an MXR Phase 100), and EHPHRS (based on an Electro-Harmonix Small Stone).

Knobs 2-6 have the following functions for the various Phaser models:

Phaser Model	Knob 2 (Pre/Post Amp)	Knob 3 (Speed)	Knob 4 (Depth)	Knob 5 (Regenera- tion)	Knob 6 (FX Level)
PHR2EK	Pre/Post Amp	Speed	Depth	Regen	Level
TPHRSE	Pre/Post Amp	Speed	Sensitivity	LFO Start	Level
M×PHA2	Pre/Post Amp	Speed	Intensity		
EHPHR5	Pre/Post Amp	Rate		Color	

#### Vibrato (VIBRAI)

The DigiTech Vibrato effect modulates the pitch of the incoming signal at an even rate.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

**Speed - Knob 3** adjusts the rate (Speed) at which the pitch modulates. Ranges from  $\square$  to  $\square$ 9.

 $\begin{tabular}{l} \textbf{Depth} - \textbf{Knob 4} \end{tabular}$  adjusts the intensity (Depth) of the modulating pitch. Ranges from  $\ensuremath{\mathbb{Z}}$  to



#### Rotary Speaker (ROTARY)

The Rotary Speaker emulates a device that included a spinning horn and woofer. The rotation of these two speakers produced an interesting combination of the sound panning from side to side. This produced a slight pitch change due to the speed of the sound coming towards, and then going away from the listener.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

**Speed - Knob 3** adjusts the rate (Speed) of the spinning speakers. Ranges from  $\square$  to  $\square$ 9.

**Intensity - Knob 4** controls the intensity of the effect. Ranges from  $\square$  to  $\square$ 9.

**Doppler - Knob 5** controls the Pitch Shift effect that is the ratio between the horn and the rotor positions. Ranges from  $\square$  to  $\square$ 9.

**Crossover - Knob 6** selects the crossover frequency between the horn and rotor. Ranges from  $\square$  (200 Hz) to  $\square$  (1600 Hz).

#### VibroPan (VIBPAN)

A vibrato is an effect that modulates the pitch of the incoming signal. This will take the whole signal slightly in and out of tune at a steady pace. The DigiTech® VibroPan also incorporates an automatic panner with the vibrato effect that creates a lush chorus-like sound.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

**Speed - Knob 3** adjusts how fast the signal is being modulated.

**Depth - Knob 4** adjusts the amount of pitch change.

**Vibrato/Pan- Knob 5** adjusts the amount of panning incorporated with the vibrato effect. When set at  $\square$ , this effect is a standard vibrato. As the parameter is turned up, the phase difference of the vibrato signal sent to the two channels is changed until a full stereo image is obtained at 99.

Waveform - Knob 6 selects a waveform: TRIANG, SINE, or SQUARE.

#### Unicord Uni-Vibe™ (UNOVIB)

Based on the Unicord® Uni-Vibe<sup>TM</sup> pedal, Uni-Vibe adds a lush chorus or rotary speaker (vibrato) effect to your tone.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

**Speed - Knob 3** adjusts the rate (Speed) of the chorus modulation or spinning speaker (vibrato) effect. Ranges from  $\square$  to 99.

**Intensity - Knob 4** controls the intensity of the effect. Ranges from  $\square$  to  $\square$ .

**Chorus/Vibrato - Knob 5** selects either the chorus or vibrato effect. Turn counterclockwise for Chorus, or clockwise for Vibrato.

Volume - Knob 6 adjusts the volume of the effect.



#### Tremolo/Panner

A Tremolo effect modulates the volume of the signal at an even rate. The RP355 includes the following Tremolo models: TRMOLO (the DigiTech® Tremolo), OPTREM (based on the Fender® Opto Tremolo), BITREM (based on the Vox® Bias Tremolo), and PRNNER (the DigiTech Panner).

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

Speed - Knob 3 adjusts the rate (Speed) at which the volume modulates. Ranges from  $\ensuremath{\mathbb{G}}$  to 99

**Depth - Knob 4** adjusts the intensity (Depth) of the modulating volume. Ranges from  $\mathcal Q$  to 99.

Waveform (DigiTech Tremolo and Panner only) - Knob 5 selects a waveform: TRIANG, SINE, or SQUARE.

#### Envelope Filter (ENVLOP)

The DigiTech Envelope Filter is a dynamic Wah effect that alters your sound based upon how hard you play.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

**Sensitivity - Knob 3** adjusts the sensitivity or the input signal required to trigger the Wah effect. Ranges from  $\mathcal Q$  to 99.

**Range - Knob 4** controls the range of the Envelope effect. Ranges from  $\square$  to  $\square$ .

#### **DOD FX25** (FX25)

This envelope filter is based on the DOD FX25.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

Blend - Knob 3 adjusts the balance between effect signal and dry signal.

**Sensitivity - Knob 4** adjusts the sensitivity or the input signal required to trigger the Wah effect. Ranges from  $\square$  to  $\square$ 9.

**Range - Knob 5** controls the range of the envelope effect. Ranges from 2 to 99.

# AutoYa™ (RUTOYR)

An AutoYa<sup>TM</sup> combines the characteristics of a Wah and a Flanger together creating an almost human vowel characteristic as if the guitar were saying "Yah." The AutoYa automatically provides this animation to the sound at an even rate.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

**Speed - Knob 3** adjusts the speed of the AutoYa sweep. Ranges from  $\square$  to  $\square$ 9.

**Intensity - Knob 4** adjusts the intensity of the AutoYa effect. Ranges from  $\emptyset$  to 99.

**Range - Knob 5** adjusts the throaty quality of the AutoYa effect. Ranges from  $\Box$  to  $\Box$  to  $\Box$ .



YaYa™ (YAYA)

The YaYa<sup>†M</sup> is another effect exclusive to DigiTech products. Like the AutoYa, it combines the characteristics of a wah and a flanger together providing a unique talk box type of effect when linked to and controlled by the Expression Pedal.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

**Pedal - Knob 3** adjusts the Ya pedal position. Ranges from 0 to 99.

**Intensity - Knob 4** adjusts the intensity of the YaYa effect. Ranges from  $\square$  to  $\square$  to  $\square$ .

**Range - Knob 5** adjusts the throaty quality of the YaYa effect. Ranges from 0 to 49.

#### **SynthTalk™** (5NTHTK)

Synth Talk is another effect exclusive to DigiTech®. It makes your guitar appear to speak based upon the dynamics of your playing style.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

**Attack - Knob 3** adjusts the attack of the synthesized voice. Ranges from 0 to 99.

**Release - Knob 4** adjusts the release of the synthesized voice. Ranges  $\emptyset$  to 99.

**Vox - Knob 5** changes the characteristics of the various synth voices. Ranges from  $\emptyset$  to 99.

**Sensitivity** - **Knob 6** adjusts the sensitivity of the input signal required to trigger the SynthTalk effect. Ranges from  $\emptyset$  to 99.

**Balance** (X-Edit<sup>TM</sup> only) - adjusts the left to right balance of the wet signal, Ranges from LEFT 99 to RIGHT 99.

# Step Filter (STPFLT)

The DigiTech Step Filter is like an automatic "random wah" with a square waveform.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

**Speed - Knob 3** adjusts the speed of the Wah effect. Ranges from  ${\tt 0}$  to  ${\tt 99}$ .

**Intensity - Knob 4** controls the intensity of the Wah effect. Ranges from  $\Omega$  to 99.



**DigiTech Whammy®** (NHRMMY) The DigiTech Whammy® is an effect that uses an Expression Pedal to bend the pitch of the incoming signal, or add a bendable harmony with the original signal. As the Pedal is moved, the note bends either up or down. When DigiTech Whammy is selected, it is automatically placed before the Amp modeling as shown in the block diagram on page 13.

Pre/Post Amp - Knob 2 determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

Shift Amount - Knob 3 selects the interval and direction of the pitch bend. Choices are as follows:

Whammy™ (no Dry Signal) Harmony Bends (Dry Signal Added) DET UP (I octave above) M3) MJ3 (a minor third to a Major third) 200 TUP (2 octaves above) 2NIMU3 (a second above to a Major third above) 2NI IN (a second below) ∃RIHTH (a third above to a fourth above) RV2NIN (a second below reversed pedal action) 4TH5TH (a fourth above to a fifth above) 4TH IN (a fourth below) 5THOCT (a fifth above to an octave above) DET IN (an octave below) HDETUP (one octave above) 2007 IN (2 octaves below) HOLTIN (one octave down) JIVEBM (Dive Bomb) [[[]]] (octave up/down)

**Pedal Position - Knob 5** provides a manual control of the Whammy pedal position. Ranges from  $\Omega$  to 99.

**Mix - Knob 6** adjusts the Whammy mix. Ranges from  $\square$  to  $\square$ 9.

#### Pitch Shift (PITEH)

A Pitch Shifter copies the incoming signal, then shifts the pitch of the copy to a different note. The shifted note is then mixed back with the original signal, sounding as if two guitars were playing different notes.

Pre/Post Amp - Knob 2 determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

Shift Amount - Knob 3 selects the interval of the shifted pitch. Ranges from -24 (2) octaves below) to 24 (2 octaves above).

**Mix - Knob 6** controls the mix level of the shifted pitch. Ranges from  $\Omega$  to 99.

# **Detune** (**JETUNE**)

A Detuner makes a copy of your incoming signal, takes the copied signal slightly out of tune from the original, then mixes the two signals together. The result is a doubling type of effect as if two guitars were playing the same part together.

Pre/Post Amp - Knob 2 determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

Shift Amount - Knob 3 adjusts the amount of detune shift. Ranges from -24 to 24 cents.

**Level - Knob 6** controls the mix of the detuned note. Ranges from  $\mathcal{Q}$  to 99.



# Harmony Pitch Shifting (HARMNY)

Harmony Pitch Shifting makes a copy of the incoming signal, and then changes the pitch of the copied note to a diatonically correct interval specified by the Amount parameter. A Harmony Pitch Shifter sharpens or flattens the shifted pitch in order to keep the specified interval within the selected key and scale creating a true harmony.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

**Shift Amount - Knob 3** selects the *amount* or *harmony interval* for the Intelligent Pitch Shifter. Interval choices include:

OCT	$\mathbb{I}$	(octave down)	ZN]	UP	(a second above)
TTH	$\mathbb{I}$	(a seventh below)	3R]]	UP	(a third above)
6TH	$\mathbb{I}$	(a sixth below)	YTH	UР	(a fourth above)
STH	$\mathbb{I}$	(a fifth below)	STH	UР	(a fifth above)
ЧTН	$\mathbb{I}$	(a fourth below)	6TH	UР	(a sixth above)
38]	$\mathbb{I}$	(a third below)	778	UP	(a seventh above)
SNI	ΠI	(a second below)	OC T	UР	(an octave above)

**Key - Knob 4** selects the musical key that the Harmony Pitch Shifting uses. Key choices range from the Key of E (KEY E) through the Key of E, (KEY E).

Scale - Knob 5 selects the scale the Harmony Pitch Shifting will use. Scale choices include: Major (MAJOR), Minor (MINOR), Dorian (JORIAN), Mixolydian (MIXLYJ), Lydian (LYJ-IAN), and Harmonic Minor (HMINOR).

**Level - Knob 6** adjusts the Harmony Pitch Shifting Level of all the pitch-altering effects in this module. Ranges from  $\mathcal Q$  to 99.

# Boss<sup>®</sup> OC-2 Octaver<sup>™</sup> (□[TRVR)

Based on the Boss® OC-2 Octaver<sup>TM</sup>, this model adds two signals to your original guitar signal. The first is one octave below your guitar, and the second is two octaves below your guitar. Each additional signal has its own volume control.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counter-clockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

Octave I - Knob 3 adjusts the the volume of the signal I octave below the input signal. Ranges from  $\square$  to  $\square \square$ .

**Octave 2 - Knob 4** controls the volume of the signal 2 octaves below the input signal. Ranges  $\Im$  to  $\Im$ 9.

**Dry Level - Knob 6** controls the volume of the dry signal. Ranges from  $\emptyset$  to 99.

## Delay

Delay is an effect that records a portion of the incoming signal, and then plays it back a short time later. The recording can repeat just once or several times.

Delay Model - Knob I selects one of the 7 different Delay models. Values include: AL5-□L → (DigiTech® Analog Delay), □M □L → (Based on the Boss DM-2 Analog Delay), □IS-□L → (DigiTech Digital Delay), M□□L → (DigiTech Modulated Delay), PN□□L → (DigiTech Pong Delay), TAP□L → (DigiTech Tape Delay), and E□□L → (Based on the Maestro™ EP-2 Echoplex® Tape Echo). Press this knob to turn the Delay models on and off.



Knobs 2-6 have the following functions for the various Delay models:

Delay Model	Knob 2 (Time)	Knob 3 (Repeats)	Knob 4 (Param. I)	Knob 5 (Param. 2)	Knob 6 (Delay Level)
RLG]LY	Time	Repeats			Delay Level
DM DLY	Repeat Rate	Echo	Intensity		
DIGDLY	Time	Repeats	Ducker Threshold	Ducker Level	Delay Level
MODDLY	Time	Repeats	Depth		Delay Level
PNGDLY	Time	Repeats	Ducker Threshold	Ducker Level	Delay Level
TAPDLY	Time	Repeats	Wow	Flutter	Delay Level
ECOPLX	Time	Repeats			Volume

**Note**: The **Repeats** parameter (Knob 3) ranges from 0 to Repeat Hold (RPTHL II) for all models except the Echoplex® and DM-2. Repeat Hold is one click past 99, and acts as an infinite repeat.

#### Reverb

Using reverb in recorded program material gives the listener a sense that the material is being performed in an actual room or hall. It is this similarity to actual acoustic spaces that makes reverberation a useful tool in recorded music. The RP355 features genuine Lexicon® reverbs, whose rich, lush effects have been heard in countless songs, soundtracks, and live performances for decades.

#### Reverb Model

**Knob I** selects the Reverb model or acoustic space. Press this knob to turn the Reverb models on and off. The following models are available:

TWINRV - Based on a Fender®	LEXROM - Lexicon Room
Twin Reverb	LEXHAL - Lexicon Hall
LEXAMB - Lexicon® Ambience	EMTPLT - Based on an
LEXSTI - Lexicon Studio	EMT240 Plate

Knobs 2-6 have the following functions for the various Reverb models:

Reverb Model	Knob 2 (Pre Delay)	Knob 3 (Decay)	Knob 4 (Liveliness)	Knob 6 (Reverb Level)
TWINRV				Reverb
LEXAMB	Pre Delay	Decay	Liveliness	Reverb Level
LEXSTD	Pre Delay	Decay	Liveliness	Reverb Level
LEXROM	Pre Delay	Decay	Liveliness	Reverb Level
LEXHAL	Pre Delay	Decay	Liveliness	Reverb Level
EMTPLT	Pre Delay	Decay	Liveliness	Reverb Level



# **Section Four - Other Functions**

# Phrase Looper

The RP355 features a built-in 20 second Phrase Looper for creating on the fly performance loops of the music you play. The Phrase Looper can be accessed any time during performance and used with any of the RP's presets.

To use the Phrase Looper, follow these steps:

- 1. Press and hold the **Amp A/B Footswitch** for 2 seconds until LODPER appears in the display. The Looper LED in the matrix will also light indicating the Looper is now active.
- 2. Arm the Phrase Looper to record by pressing the **Amp A/B Footswitch** again. The display will read RME meaning it is ready for you to start playing (You can also start recording immediately when this footswitch is pressed).
- 3. Begin playing a phrase on the guitar. The Phrase Looper will begin recording anything that is played. The display will read RECORD.
- 4. Once you are ready to set the loop point, press any footswitch. The display will briefly read PLRY and the recorded phrase will now begin playing back.
- 5. To add an overdub to the looped phrase, press and hold the **Amp A/B Footswitch**. The display will read OVRDUB. While holding the footswitch, begin playing the overdub phrase to be added to the loop. When the **Amp A/B Footswitch** is released, the display will briefly flash PLRY and the looped phrase will continue with the newly added overdub phrase added.
- 6. To stop the Phrase Looper, press and release the **Amp A/B Footswitch** quickly. You can resume playback by pressing this footswitch again.
- 7. To clear a recorded loop, stop the loop playback first as outlined in step 6 and then press and hold the **Amp A/B Footswitch** for 2 seconds until the display read [LERR].

To exit the Phrase Looper mode, press and hold left **Amp A/B Footswitch** for 4 seconds until the display reads  $LPE \times IT$ . Exiting the Looper clears the recorded loop.

While the Phrase Looper is active, the **Amp A/B Footswitch** cannot be used to select the amp A/B channels in the RP's presets. The preset **Up** and **Down Footswitches** can still be used navigate through all of the RP's presets.

**Note**: While the Phrase Looper feature is active, the Drum Machine and the Learn-A-Lick feature are not available.

#### **Drum Machine**

The RP355 includes a built-in drum machine loaded with 60 useful patterns and 5 metronome settings that are easily accessible at the touch of a button (the **Drums** button, specifically). Pressing the **Drums** button will enable the drum machine and start playback of the selected drum pattern (except when in Store or Bypass mode). When you turn the drum machine on, the display reads **DRUMS OF**: when you turn the drum machine off, the display reads **DRUMS** 

When the **Drums** row is selected (using the **Edit** buttons), **Knob I** selects the drum Style, **Knob 2** adjusts the drum Pattern, **Knob 3** adjusts the Tempo of the drum pattern and **Knob 4** adjusts the drum machine playback level. Press the **Drums** button again to stop playback of the drum loop.



#### **Drum Pattern List**

BERTS (8th beat)	1-5	JAZZ	1 4
BERTS (16th beat)	6-8	нІРНР	1-4
ROCK	1-8	WORLD	1-4
HROCK	1-8	MET	4,/4
METAL	1-8	MET	∃/4
BLUES	1-8	MET	5/8
6R00V	1-4	MET	7/8
ENTRY	1-4	MET	MTRNOM

# Aux Input

The Aux Input allows you to connect an MP3 or CD player to the RP355 and jam with your favorite artists. The signal from your MP3 or CD player is output through the left, right, and headphone outputs of the RP355. To use the Aux Input, connect the headphone output of your MP3 or CD player to the **Aux Input** on the rear panel of the RP355 using an I/8" stereo cable, and press play on your MP3 or CD player. Use the playing device's volume control and the RP355's **Master Level** knob to balance the levels.

The Aux Input is also used for capturing audio using the Learn-A-Lick $^{TM}$  feature. See more about using Learn-A-Lick in the next section.

# Learn-A-Lick™ Mode

Learn-A-Lick allows you to record a 10 second passage of music and play it back as slow as 1/4 speed with no change in pitch. This is useful for picking out the notes of a fast solo passage. There are 6 functions for Learn-A-Lick including:

- Stop (Controlled by the **Down Footswitch**)
- Rewind (Controlled by the Up Footswitch)
- Play (Controlled by the Down Footswitch)
- Record (Controlled by the Amp A/B Footswitch)
- Playback Speed (Controlled with the Edit buttons)
- Sampled Phrase Volume (Controlled by the Expression Pedal)

# Using Learn-A-Lick™

- Connect your CD or tape player headphone output to the Aux In input jack on the rear panel using an 1/8" stereo plug. Set the level of the CD or MP3 player to a desired listening level.
- 2. Cue up to the passage you want to record and hit pause on the CD or MP3 player.
- 3. Press and hold the **Up** and **Amp A/B Footswitches** to enter Learn-A-Lick mode. The Display will briefly read: LALICK.
- 4. When the Display reads RERITY, release the pause button on your playback device and press the **Amp A/B (Record) Footswitch**. The display will read: RERING and the right two Display digits will provide a time elapsed reference while recording. When recording is completed, the phrase will be set to an auto-loop playback mode indicated by PLRY in the Display. Press stop or pause on the CD or MP3 player.
- 5. Use the **Edit** buttons to choose the playback speed. Successive presses of the **Edit** buttons will advance through all playback speeds down to 1/4th of the original speed. Your speed interval choices include: 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, and FULL.
- 6. Pressing the **Up Footswitch** steps back through the loop at I second intervals.



- 7. The **Expression Pedal** will control output level of the recorded phrase.
- 8. To stop or restart the playback, press the **Down (Stop/Play)** Footswitch.
- 9. To record a new passage, press the Amp A/B (Record) Footswitch again.
- 10. To exit Learn-A-Lick mode, press and hold the **Up** and **Amp A/B Footswitches** simultaneously. The Display briefly reads LRNENI.

Note: While the Phrase Looper feature is active, the Learn-A-Lick feature is not available.

Expression Pedal

The Expression Pedal on the RP355 can be linked to control the RP355's Volume, Wah, Whammy™, YaYa™, or almost any of the RP355's other parameters in real time with your foot. When a parameter has been linked to the Expression Pedal, a minimum (heel) and maximum (toe) value can also be specified. Apply extra pressure to the toe of the Expression Pedal to activate the V-switch, and the Expression Pedal switches between the linked parameter and the Wah. The procedure for linking a parameter to the Expression Pedal is as follows:

- I. Press either **Edit** button until the Expression row has been selected (indicated by the LED lighting on the Expression row).
- 2. Rotate **Knob I** until EXPPIL appears in the Display.
- 3. Rotate **Knob 2** until the desired parameter to be linked appears in the Display. See page 32 for a complete list of parameters that can be linked to the Expression Pedal.
- Rotate Knob 3 to select the minimum (heel) value the assigned parameter will reach with the Expression Pedal in the toe up position.
- 5. Rotate **Knob 4** to select the maximum (toe) value the assigned parameter will reach with the Expression Pedal in the toe down position.
- 6. Store your Expression Pedal assignment to your preset. See page 12 for more information on the storing procedure.

## **LFOs**

The RP355 includes two assignable low frequency oscillators (LFO I and LFO 2) which can be assigned to any of the same parameters available for assignment to the **Expression Pedal**. A low frequency oscillator will automatically vary the value of the assigned parameter at a steady rate. A minimum and maximum value each LFO will reach may be also be assigned. For instance, if the Amp Gain was assigned to LFO I, and the minimum value was set at I and the maximum value was set at 99, the RP355 would automatically sweep the amount of distortion from a clean sound to a distorted sound. Individual LFO speeds are also available for assignment. In the previous example, the LFO speed would determine the length of time it took the LFO to sweep from the clean to the distorted sound. The procedure for assigning the LFOs in the RP355 is as follows:

- Press the Edit button until the Expression row has been selected (indicated by the LED lighting on the Expression row).
- 2. Rotate **Knob I** to select one of the two LFO links, LFO I (LF 0 !) or LFO 2 (LF 0 ?).
- 3. Rotate **Knob 2** to select the parameter you want linked to the LFO 1 or LFO 2. See page 32 for a list of assignable parameters.
- 4. Rotate **Knob 5** to select which waveform you want the LFO to use, Triangle (TRIANS), Sine (SINE), or Square (SQUARE).
- 5. Rotate Knob 6 to select the speed you want the parameter to be controlled at.

# Factory Reset

This function resets the RP355 to its original factory settings. This procedure erases all custom User presets, and recalibrates the Expression Pedal.

ATTENTION: Performing this function will erase all user-programmed data. All such data will be lost forever! Be sure you want to erase the memory and start fresh before continuing with this procedure.

The procedure for performing a Factory Reset is as follows:



- 1. Press and hold the **Store** button while powering up the RP355.
  2. When the display prompts you with FBLRST, release the **Store** button, which is now flashing.
  3. Press and hold the flashing **Store** button for 3 seconds until RSTDRD appears in the display and release. The Restore procedure takes several seconds to complete; during the procedure, the display will count up. After the Restore procedure is complete, the Expression Pedal calibration procedure will begin. See step two of the Expression Pedal Calibration section below.

Expression Pedal Calibration

The Expression Pedal on the RP355 needs to be recalibrated for use after a factory reset has been performed. This calibration procedure is automatically entered after a factory reset procedure. (You can also initiate the calibration procedure by pressing and holding the **Úp** and **Down Footswitches** for approximately 5 seconds.) In the event the Pedal's calibration fails, or if the Pedal does not function properly, it can be re-calibrated using the Pedal Calibration procedure. This will not erase the User presets. The procedure for Calibrating the Expression Pedal is as follows:

- I. Press and hold the **Up/Down Footswitches** until PBLEAL appears in the display (BYPASS, TUNER, and EXIT will be displayed before PDLEAL is accessed, after about 5 seconds.)
- 2. When the Display prompts you with TDE DN, rock the **Expression Pedal** forward (toe down) and press either the **Up** or **Down Footswitch**.
- 3. When the Display prompts you with TDE UP, rock the Expression Pedal back (toe up) and
- press either the **Úp** or **Down Footswitch**.

  4. The Display now prompts you to calibrate the V-Switch sensitivity (VSWXXX), where XXX is the current V-Switch threshold. Rock the Expression Pedal forward and press firmly on the toe once to turn the V-Switch on (MAH ON), and again to turn the V-Switch off (MAHOFF).
- 5. If the V-Switch is too sensitive, press the right Up Footswitch to raise the threshold (range is  $\mathbb{Z}$ - $\mathbb{Z}\mathbb{Z}\mathbb{Z}$ ). Keep testing the V-Switch sensitivity and adjust the threshold until it only engages when you want it to (too sensitive a setting will lead to the V-Switch falsely triggering on or off when using the Expression Pedal).
- When the V-Switch sensitivity is set to your satisfaction, press both Up/Down Footswitches simultaneously to exit.

Note: If the Display shows ERRDR, an error has occurred and steps 2 through 5 should be repeated.



# **Section Five - Appendix** Specifications

#### **General Specifications**

A/D/A Converter: 24-bit high performance audio

Sampling Frequency: 44.1 kHz

DSP Section: Audio DNA2™ DSP Processor

Simultaneous Effects: I I

Preset Memory: 70 User Presets (1-70) / 70 Factory Presets (F1-F70)

Phrase Looper: 20 seconds of record time

Drum Machine: 60 Patterns

Dimensions: 17.5" Length x 8.75" Width x 2.5" Height

Unit Weight: 6.2 lbs.

#### **Analog Input Connections:**

Guitar Input: 1/4" Unbalanced (TS) Input Impedance: 500k Ohms Aux Input: 1/8" Stereo (TRS)

#### **Analog Output Connections:**

1/4" Outputs

Left/Right Outputs: I/4" Impedance Unbalanced Left/Right Output Impedance: 500 Ohms per side

Maximum Output: +10 dBu

#### XLR Outputs

Left/Right Outputs: Impedance Balanced Left/Right Output Impedance: I kohm per side

Maximum Output: +16 dBu

Headphones: I/8" Stereo (TRS) - I3.6mW per channel @ 50 Ohms

#### **Digital Connections:**

Universal Serial Bus (USB): Type B, supports USB1.1 Full Speed (12 Mbps Bandwidth USB 2.0 compatible)

#### **RP355 USB Recording Specifications:**

Sample Rate: 44.1 kHz

Bit depth: supports 16-bit or 24-bit (depends on setup in Recording Software)

#### **Power Requirements:**

US and Canada: 120 VAC, 60 Hz Adapter: PS0913B-120 Japan: 100 VAC, 50/60 Hz Adapter: PS0913B -100 Europe: 230 VAC, 50 Hz Adapter: PS0913B -230 UK: 240 VAC, 50 Hz Adapter: PS0913B -240

#### Windows® Software Requirements

Vista Home/Premium, XP Home/Professional (SP2 installed, .NET 2.0 installed\*)
Pentium®/Athlon™ I.4GHz or later 512MB RAM (IGB RAM recommended)
I80MB hard disk space for application

DVD-ROM drive

**USB Port** 

Internet connection required for Cubase activation

\*.NET 2.0 will be installed during installation of X-Edit software if required on XP systems

#### Mac® Software Requirements

OS 10.4.x or later

PowerPC G4/G5 IGHz or later

512MB RAM (IGB RAM recommended)

180MB hard disk space for application

DVD-ROM drive

**USB Port** 

Internet connection required for Cubase activation



# Expression Pedal - Assignable Parameters

•		J				
Volume/Wah Effects based on: DigiTech® Full Range	FULRNG	Wah Minimum	Wah Maximum	Wah Level	_	
Cry Baby	CRYHRH	Wah Minimum	Wah Maximum	Wah Level	-	
ox® Clyde McCoy Wah™	CLYBE	Wah Minimum	Wah Maximum	Wah Level		
omp/Limiter Effects based on:						
igiTech Compressor	DIGCMP	Sustain	Tone	Attack	Level	
loss® CS-2 Compressor/Sustainer IXR DynaComp	E SE OMP BYNCMP	Sustain Sensitivity		Attack	Level	
	2.146111	Sensitivity			Output	
istortion Effects based on:	L scosou E					
panez TS-9 Tube Screamer panez TS-808 Tube Screamer	SCREAM 808	Drive Overdrive	Tone Tone			Level Level
oodoo Labs Sparkle Drive	SPBRK	Gain	Tone	Clean		Volume
Suyatone Overdrive OD-2	ODDRIV	Drive				Level
OOD 250 Overdrive/Preamp DigiTech Redline	DODESO REDLIN	Gain Gain	Low	High		Level Level
roCo Rat	ROBENT	Distortion	Filter			Level
IXR Distortion + loss DS-1 Distortion	M×DIST DSDIST	Distortion	Tone			Output
igiTech Grunge	GRUNGE	Gain Grunge	Tone Butt	Face		Level Loud
Boss MT-2 Metal Zone	ZONE	Gain	Low	Mid Level	High	Level
PigiTech Death Metal FOD Gonkulator Ring Mod	DERTH GONKLT	Low Gunk (Dist Gain)	Mid Smoot (Ring Mod Lovel)	High Suck (Dist Level)	High	Level Heave (Output Leve
loger Mayer Octavia	818718	Drive	Smear (Ring Mod Level)	Suck (Dist Level)		Volume
emeter Fuzzulator	BTRVIR FUZLTR	Fuzz	Tone	Loose/Tight		Volume
OD Classic Fuzz rbiter Fuzz Face	CLRSF2 FUZZ	Fuzz Fuzz	Tone			Volume Volume
H Big Muff Pi	BIG PI	Sustain	Tone			Volume
lmp			<u>'</u>			
Il amp models (A and B channels)	AMP	On/Off	Amp Gain	Amp Level		
Q band EQ	EG	Bass	Midrange	Treble	Presence	
Daliu EQ		Ddbb	ivilurariye	riebie	riesence	
loise Gate/Auto Swell					T	
DigiTech Noise Gate DigiTech Auto Swell	SHELL	Threshold	Attack Time Attack Time	Release Release	Attenuation Attenuation	Swell Sensitivity
	JACCC		Attack Time	Trelease	Attenuation	Owell Gensiavity
horus Effects based on:						,
Boss CE-2 Chorus C Electronic® Chorus	TE EHS	Speed Speed	Depth Width		Intensity	
igiTech Dual Chorus	CHORUS	Speed	Depth	Waveform	Level	
igiTech Multi Chorus®	MEHORS	Speed	Depth	Waveform	Level	]
langer Effects based on:	FLANGR	01	Dth	D	Laurel	Waveform
DigiTech Flanger DigiTech Triggered Flanger	TRGFLG	Speed Speed	Depth Sensitivity	Regen LFO Start	Level Level	vvaverorm
IXR Flanger	MXFLGR	Speed	Width	Regen	Manual	
H Electric Mistress	EHFLGR	Rate	Range	Color		
Phaser Effects based on: DigiTech Phaser	I PHRSER I	Speed	Depth	Regen	Level	Waveform
DigiTech Triggered Phaser	TPHRSE	Speed	Sensitivity	LFO Start	Level	vvaveioiiii
1XR Phase 90/100	M×PHRS	Speed	Intensity			
H Small Stone	EHPHRS	Rate		Color		
ibrato/Rotary Effects based on:						
igiTech Vibrato	VIBRATO	Speed	Depth			
igiTech Rotary	POTARY VIBRAN	Speed	Intensity	Doppler Vibrato/Pan	Crossover Waveform	
rigiTech Vibro/Pan Inicord® Uni-Vibe™	UNOVIB	Speed Speed	Depth Intensity	Chorus/Vibrato	Volume	
	1					
remolo Effects based on: DigiTech Tremolo	TRMOLO	Speed	Depth	Waveform		
igiTech Panner	PRNNER	Speed	Depth	Waveform		
ender <sup>®</sup> Opto Tremolo	OPTREM	Speed	Depth			
ox Bias Tremolo	BITREM	Speed	Depth			
invelope/Special Effects based or	1:					
igiTech Envelope Filter	ENF/LOP	Sensitivity	Range			
	RUTOYR	Speed Pedal	Intensity Intensity	Range Range		
igiTech YaYa <sup>TM</sup> igiTech Synth Talk	SNTHTK	Attack	Release	Vox	Sensitivity	Balance
igiTech Step Filter	STPFLT	Speed	Intensity			
OOD FX25	F×25	Blend	Sensitivity	Range		
itch Effects based on:	Lungua.					
igiTech Whammy®	UHRMMY PITCH	Shift Amount		Pedal Position	Mix Mix	
igiTech Pitch Shift igiTech Detune	DETUNE	Shift Amount Shift Amount	+		Level	
igiTech Harmony Pitch	IPS	Shift Amount	Key	Scale	Level	
oss OC-2 Octaver	OCTRVR	Octave 1	Octave 2		Dry Level	
elay Effects based on:						
DigiTech Analog Delay	RLGDLY DM DLY	Time	Repeats	1-6 "		Delay Level
loss DM-2 Analog Delay DigiTech Digital Delay	DIGDLY	Repeat Rate Time	Echo Repeats	Intensity Ducker Threshold	Ducker Level	Delay Level
igiTech Modulated Delay	MODBLY	Time	Repeats	Depth		Delay Level
igiTech Pong Delay	PNGDLY TRPDLY	Time	Repeats	Ducker Threshold	Ducker Level	Delay Level
ligiTech Tape Delay laestro™ EP-2 Echoplex® Tape Echo	TRPDLY ECOPLX	Time	Repeats	Wow	Flutter	Delay Level
raesiro EP-2 Echoplex Tape Echo	CLUMLA	Time	Repeats	1	1	Volume
Reverb Effects based on:						
ender Twin Reverb exicon® Ambience	TWINRV LEXAMB	Bro Daleri	Door	Liveling	Reverb	
exicon Ambience exicon Studio	LEXSTE	Pre Delay Pre Delay	Decay Decay	Liveliness Liveliness	Reverb Level Reverb Level	
exicon Room	LEXROM	Pre Delay	Decay	Liveliness	Reverb Level	
exicon Hall	LEXHAL	Pre Delay	Decay	Liveliness	Reverb Level	
EMT 240 Plate	EMTPLT	Pre Delay	Decay	Liveliness	Reverb Level	

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# Tone Library

1	Overdrive	OVRIRV	16	Rock Wah	REKWAH
2	Rock 1	ROCK I	17	Chunky	EHUNKY
3	Rock 2	BOCK 5	18	Smooth	SMOOTH
4	Blues 1	BLUESI	19	Heavy	HERMY
5	Blues 2	BLUE25	20	Clean 1	CLERNI
6	Metal 1	METALI	21	Clean 2	CLEANS
7	Metal 2	METAL2	22	British 1	BRISHI
8	Country 1	ENTRYI	23	British 2	BRTSH2
9	Country 2	CNTRY2	24	American 1	AMRENI
10	Warm Drive	WRMDRV	25	American 2	AWEENS
11	Crunch	CRUNCH	26	Tube Drive	TUBDRV
12	Texas Tone	TEXTON	27	Distortion	DSTRTN
13	Rockabilly	REKBLY	28	Scooped	3C00P]
14	Solo 1	20LO 1	29	Punchy	PUNEHY
15	Solo 2	20FD 5	30	Bright Clean	BRICLN

# **Effects Library**

1	Chorus	CHORUS	16	Chorus + Digital Delay	CHR]]LY
2	Phaser	PHRSER	17	Chorus + Delay + Reverb	CHDLRV
3	Flanger	FLANGR	18	Flanger + Analog Delay	FLGDLY
4	Pitch	PITCH	19	Phaser + Tape Delay	PH5DLY
5	Tremolo	TREMLO	20	Phaser + Mod Delay	PHM]]L Y
6	Rotary	ROTARY	21	Phaser +Room Reverb	PH2KN3
7	Envelope Filter	ENVFLT	22	Digital Delay + Hall Reverb	DDLYRV
8	Digital Delay	DDELRY	23	Analog Delay + Spring	DL Y SPG
9	Analog Delay	ADELAY	24	Chorus + Hall Reverb	CHRRV B
10	Pong Delay	PDELRY	25	Pong Delay + Hall Reverb	PNGHRL
11	Mod Delay	MDELRY	26	Tape Delay + Spring Reverb	TAPSPG
12	Tape Delay	TAP]]LY	27	Tremolo + Tape Delay	TRMTAP
13	Hall Reverb	HALRV B	28	Pitch + Digital Delay	PCHDLY
14	Plate Reverb	PLTRV B	29	Mod Delay + Plate Reverb	MOJPLT
15	Spring Reverb	SPGRV B	30	Rotary + Tape Delay	ROT]]LY

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