Warranty

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

1. Please register online at digitech.com within ten days of purchase to validate this warranty. This warranty is valid only in the United States.

2. DigiTech warrants this product, when purchased new from an authorized U.S. DigiTech dealer and used solely within the U.S., to be free from defects in materials and workmanship under normal use and service. This warranty is valid to the original purchaser only and is non-transferable.

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 by contacting DigiTech. 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 responsibility of the consumer. A copy of the original purchase receipt must be provided for any warranty service.

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 since this version of the manual was completed. The information contained in this version of the owner’s manual supersedes all previous versions.

Technical Support & Service

If you require technical support, contact DigiTech Technical Support. Be prepared to accurately describe the problem. Know the serial number of your device – this is printed on a sticker attached to the chassis. If you have not already taken the time to register your product, please do so now at digitech.com.

Before you return a product to the factory for service, we recommend you refer to this manual. Make sure you have correctly followed installation steps and operating procedures. For further technical assistance or service, please contact our Technical Support Department at (801) 566-8800 or visit digitech.com. If you need to return a product to the factory for service, you MUST first contact Technical Support to obtain a Return Authorization Number.

NO RETURNED PRODUCTS WILL BE ACCEPTED AT THE FACTORY WITHOUT A RETURN AUTHORIZATION NUMBER.

Please refer to the Warranty information, which extends to the first end-user. After expiration of the warranty, a reasonable charge will be made for parts, labor, and packing if you choose to use the factory service facility. In all cases, you are responsible for transportation charges to the factory. If the product is still under warranty, DigiTech will pay the return shipping.

Use the original packing material if it is available. Mark the package with the name of the shipper and with these words in red: DELICATE INSTRUMENT, FRAGILE! Insure the package properly. Ship prepaid, not collect. Do not ship parcel post.
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Section 1 - Introduction

Getting Acquainted
Congratulations on your purchase of the RP500. You now own a very powerful integrated effects switching system allowing you extra control over stompboxes, effects, amplifiers and cabinets. The RP500 combines the simplicity of a stompbox with the control of an effects switching system for control the way you want it. Armed with DigiTech®’s patented AudioDNA2® custom audio DSP chip, the RP500 gives you a huge selection of tones and effects, right at your fingertips. Easily dial up a sound using the Tone and Effects Library knobs. You will appreciate the tone and dynamic interaction of each of the amps, stompboxes, and effects with your system. Add USB support for computer recording and you have the RP500: the key to unlock your creative potential.

About the RP500

Pedalboard Mode
When you first apply power to the RP500, it powers up in Pedalboard mode. Pedalboard mode provides access to all of the presets within the RP500 via the Up and Down Footswitches. Knob 1 selects a tone from the Tone Library, Knob 2 selects an effects chain from the Effects Library, Knob 3 adjusts the Effects Level, Knob 4 adjusts the Amp Gain, Knob 5 adjusts the Amp Level, and Knob 6 adjusts the Master Level (volume).

Preset Mode and Pedalboard Mode
Since the RP500 has two different footswitch modes of operation (Preset Mode and Pedalboard Mode), presets can be selected in two different ways:

- **Pedalboard Mode**
  - Pedalboard mode is the default mode, where each numbered footswitch turns on and off the effect labeled above it. Use the Up/Down Footswitches to select presets in Pedalboard mode. When the Pedalboard button is on (lit), Pedalboard mode is active.

- **Preset Mode**
  - In Preset mode, the numbered footswitches recall presets in the active bank. Use the Up/Down Footswitches to select preset banks in Preset mode. When the Pedalboard button is off (not lit), Preset mode is active.

Bypass Mode
The RP500 presets can be bypassed via an analog bypass circuit for a clean, unprocessed guitar signal. To bypass the RP500, press the Bypass Footswitch. The Display reads Bypass indicating the preset is bypassed. Press any Footswitch to exit Bypass and return the RP500 to the last preset used.

Amp/Cabinet Bypass Mode
The RP500 has the unique feature of being able to turn off amp and cabinet modeling globally in all presets. This is extremely useful when you just want to add effects processing to your own core amplifier sound. The RP500 effectively becomes a straight multi-effects box at this point where only Wah, Compressor, Distortion, Equalizer, Noise Gate, Chorus/FX, Delay, and Reverb are being used.

To bypass amp/cabinet modeling in all presets, press the Amp/Cabinet Bypass button. When it is lit, amp/cabinet modeling is globally bypassed in all presets.

Amp/Cabinet Bypass can be used in either Preset or Pedalboard modes.
Tuner Mode
The Tuner in the RP500 allows you to quickly tune or check the tuning on your guitar. Enter Tuner mode by pressing and holding the Bypass Footswitch 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 Numeric Display shows the note being played. Arrows on the right indicate the note is sharp and should be tuned down. Arrows on the left indicate the note is flat and should be tuned up. A left and a right arrow in the center indicate 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 A=440). Rotating Knob 1 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 Pedalboard and Preset modes, 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 types, 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 11). 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. When in Amp/Cabinet Bypass Mode, the amplifiers are defeated leaving distortion and overdrive stompboxes as the only means of distortion.

Effects Library (Knob 2)
In Pedalboard and Preset modes, this knob selects a variety of post-amplifier 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 types, 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 Pedalboard and Preset modes, 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/Effect Parameter (Knob 4)
This knob adjusts the Gain (distortion) for the selected Amp (not available for Acoustic) and is also used to adjust parameters of other effects in the matrix. The amplifier and cabinets cannot be adjusted when the Amp/Cabinet Bypass button is enabled.

Amp Level/Effect Parameter (Knob 5)
This knob adjusts the Level (volume) of the selected amp and is used to adjust other effect parameters in the matrix. Amp Level cannot be adjusted when the Amp/Cabinet Bypass button is enabled.

Master Level (Knob 6)
This knob controls the overall output volume of all of the RP500’s presets and is used to adjust other effect parameters in the matrix.
You can edit your RP500 with your computer, using the X-Edit™ Editor/Librarian, which you can download from www.digitech.com.

Presets
Presets are named and numbered locations of programmed sounds which reside in the RP500. Presets are recalled with the Footswitches. The active effects in each preset are indicated by lighted LEDs in the Effect Matrix. The RP500 comes with 100 User presets (1-00) and 100 Factory presets (F1-F00). 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 100 User presets are exact duplicates of the 100 Factory presets. This allows you to create your own presets without losing the sounds that came with the RP500.

Create Your Sound in Three Easy Steps

1. Tone Library
Select one of 40 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 30.

2. Effects Library
Select one of 40 different effects chains. The effects consist of a combination of Chorus/FX, Delay, and Reverb.

For a complete list of available effects chains, see page 30.

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

To make further edits, refer to page 11.

To store the preset, refer to page 12.
1. Tap Tempo Footswitch
This footswitch is used for setting the delay time in the current preset. By pressing this footswitch repeatedly you can set the delay to repeat in time with your music.

2. Bypass/Tuner Footswitch
This footswitch bypasses all of the RP500's effects sending an unprocessed signal out all of the outputs. Pressing and holding the Bypass footswitch accesses the RP500's chromatic tuner. The Displays will provide feedback for the tuning function (see page 2 for more info on using the Tuner).

3. Edit Up/Down Buttons
These buttons navigate up and down the rows of the matrix for editing presets.

4. Effects Matrix
The matrix provides information regarding the current preset and parameter edit functions. In Pedalboard and Preset modes, 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 light individually to indicate which Effect row is selected for editing.

5. Displays
The RP500 has two sets of displays. The 8 character alpha-numeric display shows preset names, bank names, and effects names while editing. The 2 character numeric display shows preset numbers and effects parameters while editing and shows the note being tuned when the Tuner is enabled.

6. 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 1)**
   1. In Pedalboard and Preset modes, this knob selects from a library of preset amp tones.
   2. When editing a preset, this knob changes the Amp or Effect for the selected row and pressing the
knob will turn the effect row on or off. When editing an Effect row, press this knob to turn the effect on or off. When editing the Amp/Cabinet row, pressing this knob will switch between editing the amp or the cabinet.

3. When the Expression row is selected, this knob selects the Expression, LFO 1, LFO 2, and Wah parameter links, and pressing this knob has the same effect as turning it.

Effects Library (Knob 2)
1. In Pedalboard and Preset modes, this knob selects from a library of preset effect chains.
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 which parameter is assigned to the Expression Pedal, LFO1 or LFO2.

Effects Level (Knob 3)
1. In Pedalboard and Preset modes, this knob adjusts the overall level of post amp effects (Chorus/FX, Delay, and Reverb).
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 heel (minimum) value for the parameter or Wah linked to the Expression Pedal.

Amp Gain (Knob 4)
1. In Pedalboard and Preset modes, this knob adjusts the Amp Gain (distortion) for the selected Amp model.
2. When editing a preset, this knob modifies the parameter listed in the column directly above it for the selected Effect row. This knob also is used to adjust the RP/USB mix when the RP500 is connected to a computer and using recording software. Just select the Wah row to adjust this parameter when USB is connected to the RP500.
3. When the Expression row is selected, this knob selects the toe (maximum) value for the parameter or Wah linked to the Expression Pedal.

Amp Level (Knob 5)
1. In Pedalboard and Preset modes, this knob adjusts the Amp Level (volume) of the selected Amp model.
2. When editing a preset, this knob modifies the parameter listed in the column directly above it for the selected Effect row. This knob is also used to adjust the USB Record Level when the RP500 is connected to a computer and using recording software. Just select the Wah row to adjust this parameter when USB is connected to the RP500.
3. When the Expression row is selected, this knob selects the LFO waveform. LFO 1 or LFO 2 must first be selected with Knob 1 for this parameter to be available.

Master Volume (Knob 6)
1. In Pedalboard and Preset modes, this knob adjusts the output level of the RP500.
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 sets the LFO speed. LFO 1 or LFO 2 must first be selected with Knob 1 for this parameter to be available.

7. System Buttons
There are three system buttons: AMP/CABINET BYPASS, PEDALBOARD, and STORE.

• AMP/CABINET BYPASS – When this button is lit, the internal amplifiers and cabinets are bypassed in all RP500 presets
• PEDALBOARD – When this button is lit, the 5 numbered footswitches turn the effects labeled above them on and off. When this button is not lit, these footswitches select the five presets in
the active bank.
  • STORE – Press this button to begin the store/copy procedure.

8. **Up/Down Footswitches**
These Up/Down footswitches select preset banks or they select individual presets when Pedalboard mode is active.

9. **Expression Pedal**
The Expression Pedal provides real-time control of the RP500's Volume, Wah, or any assigned effect parameter. Almost every parameter is available for Expression Pedal control. The Expression Pedal also turns on and controls the Wah effect when you apply extra pressure to the toe.

10. **1-5 / Effects Footswitches**
In Preset Mode, these 5 footswitches select between 5 different presets in the active bank. The footswitch LED will light to indicate which preset is active. In Pedalboard mode, these footswitches are used to turn Compressor, Distortion, Chorus/FX, Delay, and Reverb effects on and off. Effects that are on will have their footswitch LED lit.
Rear Panel

1. Input
High impedance 1/4” instrument input.

2. Amp/Mixer Switch
This switch optimizes the 1/4” Line Outputs for connecting to either a guitar amp system or directly into the inputs of a mixer.

3. 1/4” Line Outputs
These 1/4” outputs can be plugged into a guitar amplifier or into inputs of a mixer or recording device. The front panel Master Level controls the level of these outputs.

4. Headphone Output
Connect headphones here. Output optimized for use with headphones having 60 Ohms of impedance or less.

5. CD/MP3 Input
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. Adjust the output level of your playback device and the RP500’s Master Level knob for the proper volume balance.

6. Ground Lift Switch
This switch lifts pin 1 from the XLR Mixer Outputs from all ground references. This may be necessary to help solve troublesome ground loops that can cause hum in the system, especially when both XLR and 1/4” outputs are used with a mixer and a guitar amplifier.

7. XLR Mixer Outputs
The XLR outputs are designed for connecting to a recording device or mixing console. These outputs always have speaker compensation active as they are intended to be sent into full a range audio system.

8. USB Jack
The USB jack connects the RP500 to a computer and provides two purposes. First it is used to provide communication between the RP500 and the X-Edit editor librarian software. Second, it is used to stream four channels of audio (2 up / 2 back) to and from the computer when recording using the RP500 and your recording software of choice.

9. AC Jack
The AC Jack allows you to connect a DigiTech recommended power supply for supplying AC power to the unit.
Getting Started

Making Connections
There are several different connection options available with the RP500. Before connecting the RP500, make sure that the power to your amplifier and the RP500 is turned off. There is no power switch on the RP500. To turn the RP500 on or off, connect or disconnect the included PS0913B power supply from the Power Input jack.

Amp/Cabinet Bypass
The RP500 lets you bypass its amp and cabinet tones so you can apply its effects to your own amp/cabinet tone. To bypass the RP500 amp and cabinet tones in all presets, enable the Amp/Cabinet Bypass button. To utilize the RP500 amp and cabinet tones, disable the Amp/Cabinet Bypass button.

Mono Operation
Connect your guitar to the Input of the RP500. Connect a single mono instrument cable from the Left (Mono) output of the RP500 to the instrument input or effect return on your amplifier. Set the ¼” Amp/Mixer switch to Amp. This setup usually uses the Amp/Cabinet Bypass.

Stereo Operation
For stereo operation connect the guitar to the Input of the RP500. Connect one cable to the RP500’s Left (Mono) output, and another cable to the RP500’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. This setup usually uses the Amp/Cabinet Bypass.
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 should be set to 5 on EQ's to obtain the amp's natural voicing.). 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 RP500.
3. Connect the other end of the PS0913B power supply to an AC outlet. Turn the RP500'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 RP500's Master Level knob to achieve the desired volume.
Section 2 - Editing Functions

Editing/Creating Presets

The RP500 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 30) based on different musical styles. The **Effects Library** knob will then let you select from a palette of effects chains (see page 30), 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 Library knob**
3. Adjust the effects level with the **Effects Level knob**

To edit and create a preset:
1. 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.

**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 RP500 will revert to the stored values for the preset.

Also, if you are using the RP500 with the Amp/Cabinet Bypass button enabled (effects only), Tone Libraries that use amps only will not provide distortion or tone changes since amps and cabinets are globally disabled.
Storing/Copying/Naming a Preset

Once the preset has been modified to your liking, you may store your settings to any of the 100 User preset locations (presets 1-00). The following steps outline the procedure for storing changes to a preset or copying a preset to a different location:

1. 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 1 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.

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 1-4 for storing a preset as described above. Press either Edit button at any time to abort the Store procedure.
Section 3 - Effects and Parameters

About the Effects
The RP500 can be thought of as an assortment of “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 RP500 has placed the Amps and Effects in an order for optimum results. The following
diagram shows the order in which they are connected.

Effect Definitions
Each Amp and Effect within the RP500 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 RP500’s effects outlines what
each effect and parameter does.

Wah
Wah is an effect controlled by an Expression Pedal making the guitar sound as if it’s saying “Wah.”

Wahs - Knob 1 selects the Wah type. Values include: CRY WAH (Cry Wah is a traditional sounding
Wah), CLYDEWAH based on a Vox® Clyde McCoy™ Wah), and FULL RANGE (DigiTech® Full Range Wah
sweeps the entire spectrum of audible frequencies). Press this knob to turn Wah on and off.

Wah Level - Knob 2 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 - Knob 1 selects one of three Compressors: DIGICOMP (DigiTech® Compressor),
CS COMP (Based on a Boss® CS-2 Compressor/Sustainer), or DYNOCOMP (Based on an MXR®
Dynacomp). Press this knob to turn the selected Compressor on and off.

Knobs 2-6 have the following functions for the various Compressors:

<table>
<thead>
<tr>
<th>Compressor</th>
<th>Knob 2 (Sustain)</th>
<th>Knob 3 (Tone)</th>
<th>Knob 4 (Attack)</th>
<th>Knob 5</th>
<th>Knob 6 (Compressor Level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIGICOMP</td>
<td>Sustain</td>
<td>Tone</td>
<td>Attack</td>
<td>--</td>
<td>Level</td>
</tr>
<tr>
<td>CS COMP</td>
<td>Sustain</td>
<td>--</td>
<td>Attack</td>
<td>--</td>
<td>Level</td>
</tr>
<tr>
<td>DYNOCOMP</td>
<td>Sensitivity</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Output</td>
</tr>
</tbody>
</table>
Distortion
The RP500 includes the tones of many popular distortion stompboxes, each of which can be fully dialed in.

**Distortion - Knob 1** selects a Distortion. Press this knob to turn the selected Distortion on and off.

<table>
<thead>
<tr>
<th>Distortion</th>
<th>Knob 2 (Gain)</th>
<th>Knob 3 (Param. 1)</th>
<th>Knob 4 (Param. 2)</th>
<th>Knob 5 (Param. 3)</th>
<th>Knob 6 (Distortion Level)</th>
<th>P7 (X-Edit™ only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCREAMER</td>
<td>Drive</td>
<td>Tone</td>
<td>--</td>
<td>--</td>
<td>Level</td>
<td>--</td>
</tr>
<tr>
<td>BOB</td>
<td>Overdrive</td>
<td>Tone</td>
<td>--</td>
<td>--</td>
<td>Level</td>
<td>--</td>
</tr>
<tr>
<td>SPARKDRV</td>
<td>Gain</td>
<td>Tone</td>
<td>Clean</td>
<td>--</td>
<td>Volume</td>
<td>--</td>
</tr>
<tr>
<td>GUY ODRV</td>
<td>Drive</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Level</td>
<td>--</td>
</tr>
<tr>
<td>DOD 250</td>
<td>Gain</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Level</td>
<td>--</td>
</tr>
<tr>
<td>REDLINE</td>
<td>Gain</td>
<td>Low</td>
<td>High</td>
<td>--</td>
<td>Level</td>
<td>--</td>
</tr>
<tr>
<td>RODENT</td>
<td>Distortion</td>
<td>Filter</td>
<td>--</td>
<td>--</td>
<td>Level</td>
<td>--</td>
</tr>
<tr>
<td>MX DIST</td>
<td>Distortion</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Output</td>
<td>--</td>
</tr>
<tr>
<td>DS DIST</td>
<td>Gain</td>
<td>Tone</td>
<td>--</td>
<td>--</td>
<td>Level</td>
<td>--</td>
</tr>
<tr>
<td>GRUNGE</td>
<td>Grunge</td>
<td>Butt</td>
<td>Face</td>
<td>--</td>
<td>Loud</td>
<td>--</td>
</tr>
<tr>
<td>ZONE</td>
<td>Gain</td>
<td>Low</td>
<td>Mid</td>
<td>High</td>
<td>Level</td>
<td>Mid Freq</td>
</tr>
<tr>
<td>DEATH</td>
<td>--</td>
<td>Low</td>
<td>Mid</td>
<td>High</td>
<td>Level</td>
<td>--</td>
</tr>
<tr>
<td>GONKULTR</td>
<td>Gunk</td>
<td>Smear</td>
<td>Suck</td>
<td>--</td>
<td>Heave</td>
<td>--</td>
</tr>
<tr>
<td>BTAVIA</td>
<td>Drive</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Volume</td>
<td>--</td>
</tr>
<tr>
<td>FUZZLATR</td>
<td>Fuzz</td>
<td>Tone</td>
<td>Loose/Tight</td>
<td>--</td>
<td>Volume</td>
<td>--</td>
</tr>
<tr>
<td>CLASSFUZ</td>
<td>Fuzz</td>
<td>Tone</td>
<td>--</td>
<td>--</td>
<td>Volume</td>
<td>--</td>
</tr>
<tr>
<td>FUZZYFAC</td>
<td>Fuzz</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Volume</td>
<td>--</td>
</tr>
<tr>
<td>BIG PI</td>
<td>Sustain</td>
<td>Tone</td>
<td>--</td>
<td>--</td>
<td>Volume</td>
<td>--</td>
</tr>
</tbody>
</table>
Amplifier

The amplifiers are an assortment of popular vintage and modern amp tones. The amplifiers also include acoustic guitar simulations.

Amp - By default, Knob 1 selects one of the classic, modern, and DigiTech custom Amp types. Note that when you select an Amp, the default cabinet is automatically selected. You can, however, change the cabinet after selecting an Amp to achieve different tones. Press this knob and turn it to select a cabinet. Press this knob again to return to the Amp types and parameters.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Example</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>57 CHAMP</td>
<td>Based on a '57 Fender® Tweed</td>
<td>SUPERGR</td>
<td>Based on a Laney Supergroup</td>
</tr>
<tr>
<td></td>
<td>Champ®</td>
<td>GA-40</td>
<td>Based on a Gibson® GA-40</td>
</tr>
<tr>
<td>57DELUXE</td>
<td>Based on a '57 Fender Tweed Deluxe</td>
<td>OR-120</td>
<td>Based on an Orange OJ120</td>
</tr>
<tr>
<td>59 BASSM</td>
<td>Based on a '59 Fender Tweed</td>
<td>PS 5150</td>
<td>Based on a Peavey® 5150 II®</td>
</tr>
<tr>
<td>BASSMAN</td>
<td></td>
<td>RG100</td>
<td>Based on a Randall RG100</td>
</tr>
<tr>
<td>62 BASSM</td>
<td>Based on a '62 Fender Brown</td>
<td>JAZZ 120</td>
<td>Based on a Roland JC120</td>
</tr>
<tr>
<td>BASSMAN</td>
<td></td>
<td>SOLAR 100</td>
<td>Based on a Sunn Solar 100S</td>
</tr>
<tr>
<td>65 TWIN</td>
<td>Based on a '65 Fender Blackface</td>
<td>DIG SOLO</td>
<td>80s shred guitar</td>
</tr>
<tr>
<td></td>
<td>Twin Reverb®</td>
<td>DIGMIX</td>
<td>Heavy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIGCHUNK</td>
<td>Sparkle clean</td>
</tr>
<tr>
<td>65TWIN</td>
<td>Based on a '65 Fender Blackface Deluxe Reverb®</td>
<td>DIGBRIGHT</td>
<td>Beefy high gain with tight bottom end</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DICTHUMB</td>
<td>Sparkle clean</td>
</tr>
<tr>
<td>45 JTM</td>
<td>Based on a '65 Marshall® JTM-45</td>
<td>DIGCLEAN</td>
<td>Punchy high gain that cleans up</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG GAIN</td>
<td>Tube combo at the sweet spot</td>
</tr>
<tr>
<td>68 PE6X1</td>
<td>Based on a '68 Marshall 100 Watt Super Lead (plexi)</td>
<td>DIGBLUE</td>
<td>Fuzz Face + Orange Amp</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIGFUZZ</td>
<td>Cool rhythm tone with spanky top end</td>
</tr>
<tr>
<td>JUMPPANL</td>
<td>Based on a '68 Marshall Jump Panel</td>
<td>DIGSTAN</td>
<td>DigiTech 2101 Clean Tube</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DICTHED</td>
<td>DigiTech 2101 Saturated Tube</td>
</tr>
<tr>
<td>MASTRAVL</td>
<td>Based on a '77 Marshall Master Volume</td>
<td>DIGSPNK</td>
<td>Based on a modified Plexi</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DICTHED</td>
<td>Maxed out gain</td>
</tr>
<tr>
<td>880 JCM</td>
<td>Based on an '83 Marshall JCM800</td>
<td>2101 CLN</td>
<td>Based on a Tweed front Blackface</td>
</tr>
<tr>
<td>900 JCM</td>
<td>Based on a '93 Marshall JCM900</td>
<td>2101 SAT</td>
<td>power hybrid</td>
</tr>
<tr>
<td>2000 JCM</td>
<td>Based on an '01 Marshall JCM 2000</td>
<td>DIGTRANS</td>
<td>Based on '65 Blackface into a '58 Bassman</td>
</tr>
<tr>
<td>AC15</td>
<td>Based on a '62 Vox® AC15</td>
<td>DIGSTOW</td>
<td>DigiTech stoner rock</td>
</tr>
<tr>
<td>AC30 T3</td>
<td>Based on a '63 Vox AC30 Top Boost</td>
<td>DIGSTMK</td>
<td>DigiTech dark metal</td>
</tr>
<tr>
<td>HIWATTAG</td>
<td>Based on a '69 Hiwatt® Custom 100</td>
<td>DR103</td>
<td>Based on transistor amp - “Deacy”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIGBLK</td>
<td>from Brian May</td>
</tr>
<tr>
<td>MARK IIC</td>
<td>Based on an '81 Mesa Boogie® Mark II C</td>
<td>DIGSTOHR</td>
<td>Brown sound</td>
</tr>
<tr>
<td>MARK IV</td>
<td>Based on a '94 Mesa Boogie® Mark IV</td>
<td>DIGWHTL</td>
<td>DigiTech mosh</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIGTRANS</td>
<td>Dreadnaught acoustic</td>
</tr>
<tr>
<td>DUALRECT</td>
<td>Based on an '01 Mesa Boogie</td>
<td>DIGBROWN</td>
<td>Jumbo acoustic</td>
</tr>
<tr>
<td></td>
<td>Dual Rectifier</td>
<td>DIG NOSH</td>
<td>No amp</td>
</tr>
<tr>
<td>TRIPRECT</td>
<td>Based on an '04 Mesa Boogie</td>
<td>DREAD RC</td>
<td>No amp</td>
</tr>
<tr>
<td>99 LEGACY</td>
<td>Based on a 99 Legacy VL-100</td>
<td>JUMBO AC</td>
<td>No amp</td>
</tr>
<tr>
<td>MATCHHC30</td>
<td>Based on a '96 Matchless™ HC30</td>
<td>DIRECT</td>
<td>No amp</td>
</tr>
<tr>
<td>SLINDO100</td>
<td>Based on an '88 Soldano SLO-100</td>
<td></td>
<td>No amp</td>
</tr>
</tbody>
</table>
Cabinet - Knob 1 also selects cabinets. Pressing this knob alternates between selecting amps and cabinets.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHAMP1x8</td>
<td>Based on a 1x8 '57 Fender® Tweed Champ®</td>
</tr>
<tr>
<td>DLUX1x12</td>
<td>Based on a 1x12 '57 Fender Tweed Deluxe®</td>
</tr>
<tr>
<td>DRY1x12</td>
<td>Based on a 1x12 '65 Fender Blackface Deluxe Reverb</td>
</tr>
<tr>
<td>BRIT1x12</td>
<td>Based on a 1x12 '62 Vox® AC15 w/20W Vox Speaker</td>
</tr>
<tr>
<td>BSN1x12</td>
<td>Based on a '60 Gibson® GA-40 Jensen Speaker</td>
</tr>
<tr>
<td>BM2x12</td>
<td>Based on a 2x12 '57 Fender Blonde Bassman®</td>
</tr>
<tr>
<td>TWIN2x12</td>
<td>Based on a 2x12 '65 Fender Blackface Twin Reverb®</td>
</tr>
<tr>
<td>BRIT2x12</td>
<td>Based on a 2x12 '63 Vox® AC30 Top Boost w/ Jensen® Blue Backs</td>
</tr>
<tr>
<td>JAZZ2x12</td>
<td>Based on a 2x12 '84 Roland® Jazz Chorus</td>
</tr>
<tr>
<td>BM4x10</td>
<td>Based on a 4x10 '59 Fender Tweed Bassman®</td>
</tr>
<tr>
<td>CLR54x12</td>
<td>Based on a 4x12 Marshall® 1969 Straight w/ Celestion® G12-T70</td>
</tr>
<tr>
<td>GREN4x12</td>
<td>Based on a 4x12 Marshall 1969 Slant w/ Celestion 25W Greenbacks</td>
</tr>
<tr>
<td>FANE4x12</td>
<td>Based on a 4x12 Hiwatt® Custom w/ Fane Speakers</td>
</tr>
<tr>
<td>DOT4x12</td>
<td>Based on a 4x12 '96 VHT® Slant w/ Celestion Vintage 30's</td>
</tr>
<tr>
<td>VNTG4x12</td>
<td>Based on a 4x12 Johnson® Straight w/ Celestion Vintage 30's</td>
</tr>
<tr>
<td>RECT4x12</td>
<td>Based on a 4x12 Mesa/Boogie Rectifier V30 speakers</td>
</tr>
<tr>
<td>SOLO4x12</td>
<td>Based on a 4x12 DigiTech® Solo</td>
</tr>
<tr>
<td>BRGT2x12</td>
<td>Based on a 2x12 DigiTech Bright</td>
</tr>
<tr>
<td>METL4x12</td>
<td>Based on a 4x12 DigiTech Metal</td>
</tr>
<tr>
<td>ROCK4x12</td>
<td>Based on a 4x12 DigiTech Rock</td>
</tr>
<tr>
<td>ALTR4x12</td>
<td>Based on a 4x12 DigiTech Alt Rock</td>
</tr>
<tr>
<td>CHNK4x12</td>
<td>Based on a 4x12 DigiTech Chunk</td>
</tr>
<tr>
<td>SPNK4x12</td>
<td>Based on a 4x12 DigiTech Spank</td>
</tr>
<tr>
<td>DIGISPKR</td>
<td>Based on a DigiTech Speaker Compensation</td>
</tr>
<tr>
<td>DIRECT</td>
<td>No cabinet</td>
</tr>
</tbody>
</table>

Amp Gain - Knob 2 adjusts the Gain (distortion) for the selected Amp (not available for Acoustic). The Gain parameter ranges from 0 to 99.

Bass - Knob 3 adjusts the low frequencies of the amp's tone. Ranges from 1.0 to 10.

Middle - Knob 4 adjusts the mid frequencies of the amp's tone. Ranges from 1.0 to 10.

Treble - Knob 5 adjusts the high frequencies of the amp's tone. Ranges from 1.0 to 10.

Amp Level - Knob 6 adjusts the Level (volume) of the selected Amp. The Level parameter ranges from 0 to 99.
The RP500’s EQ helps further shape your tone with Low, Mid, and High controls.

**Knob 1** - Press Knob 1 to turn the EQ on and off.

**Low Level** - Knob 2 adjusts the Low EQ level. Ranges from -12dB to 12dB.

**Mid Frequency** - Knob 3 selects the frequency that the Mid parameter adjusts. Range is from 300 Hz to 4000 Hz.

**Mid Level** - Knob 4 adjusts the Mid EQ level. Range is from -12dB to 12dB.

**High Frequency** - Knob 5 adjusts the High EQ frequency. Range is from 2000 Hz to 8000 Hz.

**High Level** - Knob 6 adjusts the High EQ level. Range is from -12dB to 12dB.

**Low Frequency (X-Edit only)** - This parameter selects the Low EQ frequency. Ranges from 60 Hz to 500 Hz.

**Low, Mid, and High Bandwidth (X-Edit only)** - This parameter selects the frequency bandwidth for each frequency band. Range is from Narrow to Wide.

**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 Type** - Knob 1 selects between the DigiTech® noise gate or the volume swell effect. Values include: GATE (Selects the Noise Gate) and SWELL (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 0 (opens easily) to 99 (requiring strong signals to open).

**Attack Time** - Knob 3 sets the attack time. Ranges from 0 (shorter attack time) to 99 (longer attack time).

**Release** - Knob 4 sets the Release parameter. Ranges from 0 to 99.

**Attenuation** - Knob 5 sets the Attenuation parameter. Ranges from 0 to 99.

**Swell Sensitivity (Auto Swell only)** - Knob 6 sets the Swell Sensitivity parameter of the Auto Swell. Ranges from 0 to 99.
Chorus/FX

The Chorus/FX row in the RP500 is a multi-function module, allowing you to select Effect types such as Chorus, Flanger, Phaser, Vibrato, Rotary Speaker, Tremolo, Panner, Envelope Filter, Detune, Whammy™, Pitch Shift, Detune, IPS, OC Octaver and more. When the Chorus/FX row is selected, Knob 1 is used to choose the Effect type. Press this knob to turn these Effects 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 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 RP500 includes the following Chorus Effects: CECHORUS (based on the classic Boss® CE-2 Chorus), TCCHORUS (based on the TC Electronic Chorus), CHORUS (DigiTech®’s Dual Chorus), GLISCHRS (DigiTech’s Glistening Chorus) and MULTCHRS (DigiTech’s famous Multi Chorus®).

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

<table>
<thead>
<tr>
<th>Chorus</th>
<th>Knob 2 (Pre/Post Amp)</th>
<th>Knob 3 (Speed)</th>
<th>Knob 4 (Depth)</th>
<th>Knob 5 (Regeneration)</th>
<th>Knob 6 (FX Level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CECHORUS</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Depth</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>TCCHORUS</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Width</td>
<td>--</td>
<td>Intensity</td>
</tr>
<tr>
<td>CHORUS</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Depth</td>
<td>Waveform</td>
<td>Level</td>
</tr>
<tr>
<td>GLISCHRS</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Depth</td>
<td>--</td>
<td>Level</td>
</tr>
<tr>
<td>MULTCHRS</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Depth</td>
<td>Waveform</td>
<td>Level</td>
</tr>
</tbody>
</table>

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 RP500 includes the following Flanger Effects: FLANGER (the DigiTech® Flanger), TRIGFLNG (the DigiTech Triggered Flanger), Mx FLNGR (based on an MXR® Flanger), EH FLNGR (based on an Electro-Harmonix® Electric Mistress), and AD FLNGR (based on an A/DA Flanger).

Knobs 2-6 have the following functions for the various Flanger types:

<table>
<thead>
<tr>
<th>Flanger</th>
<th>Knob 2 (Pre/Post Amp)</th>
<th>Knob 3 (Speed)</th>
<th>Knob 4 (Depth)</th>
<th>Knob 5 (Regeneration)</th>
<th>Knob 6 (FX Level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLANGER</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Depth</td>
<td>Regen</td>
<td>Level</td>
</tr>
<tr>
<td>TRIGFLNG</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Sensitivity</td>
<td>LFO Start</td>
<td>Level</td>
</tr>
<tr>
<td>Mx FLNGR</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Width</td>
<td>Regen</td>
<td>Manual</td>
</tr>
<tr>
<td>EH FLNGR</td>
<td>Pre/Post Amp</td>
<td>Rate</td>
<td>Range</td>
<td>Color</td>
<td>--</td>
</tr>
<tr>
<td>AD FLNGR</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Enhance</td>
<td>Range</td>
<td>Manual</td>
</tr>
</tbody>
</table>
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 RP500 includes the following Phaser types: PHASER (the DigiTech Phaser), TRIGPHAS (the DigiTech Triggered Phaser), MX PHASR (based on an MXR Phase 100), and EH PHASR (based on an Electro-Harmonix Small Stone).

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

<table>
<thead>
<tr>
<th>Phaser</th>
<th>Knob 2 (Pre/Post Amp)</th>
<th>Knob 3 (Speed)</th>
<th>Knob 4 (Depth)</th>
<th>Knob 5 (Regeneration)</th>
<th>Knob 6 (FX Level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHASER</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Depth</td>
<td>Regen</td>
<td>Level</td>
</tr>
<tr>
<td>TRIGPHAS</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Sensitivity</td>
<td>LFO Start</td>
<td>Level</td>
</tr>
<tr>
<td>MX PHASR</td>
<td>Pre/Post Amp</td>
<td>Speed</td>
<td>Intensity</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>EH PHASR</td>
<td>Pre/Post Amp</td>
<td>Rate</td>
<td>--</td>
<td>Color</td>
<td>--</td>
</tr>
</tbody>
</table>

Vibrato (VIBRATO)
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 0 to 99.

Depth - Knob 4 adjusts the intensity (Depth) of the modulating pitch. Ranges from 0 to 99.

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 0 to 99.

Intensity - Knob 4 controls the intensity of the effect. Ranges from 0 to 99.

Doppler - Knob 5 controls the Pitch Shift effect that is the ratio between the horn and the rotor positions. Ranges from 0 to 99.

Crossover - Knob 6 selects the crossover frequency between the horn and rotor. Ranges from 0 (200 Hz) to 99 (1600 Hz).
VibroPan (VIBROPAN)
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 0, 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: TRIANGLE, SINE, or SQUARE.

Unicord Uni-Vibe™ (UNIVIBE)
Based on the Unicord® Uni-Vibe™ 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 0 to 99.

Intensity - Knob 4 controls the intensity of the effect. Ranges from 0 to 99.

Chorus/Vibrato - Knob 5 selects either the chorus or vibrato effect. Turn counter-clockwise 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 RP500 includes the following Tremolo types: TREMLO (the DigiTech® Tremolo), SCTRTREM (DigiTech Scattertrem (dual asynchronized tremolos)), OPTOTREM (based on the Fender® Opto Tremolo), BIARTREM (based on the Vox® Bias Tremolo), and PANNER (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 0 to 99

Depth - Knob 4 adjusts the intensity (Depth) of the modulating volume. Ranges from 0 to 99.

Waveform (DigiTech Tremolo and Panner only) - Knob 5 selects a waveform: TRIANGLE, SINE, or SQUARE.
Envelope Filter (ENVELOPE FILTER)
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 counterclockwise 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 0 to 99.

**Range - Knob 4** controls the range of the Envelope effect. Ranges from 0 to 99.

**DOD FX25 (FX25 ENVELOPE FILTER)**
This envelope filter is based on the DOD FX25.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counterclockwise 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 0 to 99.

**Range - Knob 5** controls the range of the envelope effect. Ranges from 0 to 99.

**AutoYa™ (AUTO YAHYA)**
An AutoYa™ 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 counterclockwise 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 0 to 99.

**Intensity - Knob 4** adjusts the intensity of the AutoYa effect. Ranges from 0 to 99.

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

**YaYa™ (YAYA)**
The YaYa™ 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, but is controlled by the Expression Pedal.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counterclockwise 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 0 to 99.

**Range - Knob 5** adjusts the throaty quality of the YaYa effect. Ranges from 0 to 49.
SynthTalk™ (SYNTHTLK)
SynthTalk™ 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 counterclockwise 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 0 to 99, and oo (infinity).

**Vox - Knob 5** changes the characteristics of the various synth voices. Ranges from 0 to 99.

**Sensitivity - Knob 6** adjusts the sensitivity of the input signal required to trigger the SynthTalk effect. Ranges from 0 to 99.

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

**Step Filter (STEPFLTR)**
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 counterclockwise 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 0 to 99.

**Intensity - Knob 4** controls the intensity of the Wah effect. Ranges from 0 to 99.

**Sample Hold (SMPLHOLD)**
The DigiTech Sample Hold randomly shifts the pitch of the note you’re playing, creating an “electronic” or “robotic” sound.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counterclockwise 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 Sample Hold effect. Ranges from 0 to 99.

**Intensity - Knob 4** controls the intensity of the Sample Hold effect. Ranges from 0 to 99.
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 internal amplifiers as shown in the block diagram on page 13.

**Pre/Post Amp - Knob 2** determines where the effect appears in the effects chain. Turn counterclockwise 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:

<table>
<thead>
<tr>
<th>Whammy™ (no Dry Signal)</th>
<th>Harmony Bends (Dry Signal Added)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 OCT UP (1 octave above)</td>
<td>MN3; MAJ3 (a minor third to a Major third)</td>
</tr>
<tr>
<td>2 OCT UP (2 octaves above)</td>
<td>2ND; MAJ3 (a second above to a Major third above)</td>
</tr>
<tr>
<td>REV 2ND (a second below reversed pedal action)</td>
<td>3RD；4TH (a third above to a fourth above)</td>
</tr>
<tr>
<td>4TH DOWN (a fourth below)</td>
<td>4TH；5TH (a fourth above to a fifth above)</td>
</tr>
<tr>
<td>1 OCT DN (an octave below)</td>
<td>5TH；OCTUP (a fifth above to an octave above)</td>
</tr>
<tr>
<td>2 OCT DN (2 octaves below)</td>
<td>H OCT UP (one octave above)</td>
</tr>
<tr>
<td>DIVeBoMb (Dive Bomb)</td>
<td>H OCT DN (one octave down)</td>
</tr>
<tr>
<td>OCTUP；DN (octave up/down)</td>
<td></td>
</tr>
</tbody>
</table>

**Pedal Position - Knob 5** provides a manual control of the Whammy pedal position. Ranges from 0 to 99.

**Mix - Knob 6** adjusts the Whammy mix. Ranges from 0 to 99.

**Pitch Shift (Pitch)**
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 counterclockwise 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 0 to 99.

**Detune (Detune)**
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 counterclockwise 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 0 to 99.
Harmony Pitch Shifting (HARMONY)
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 counterclockwise 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 Harmony Pitch Shifter. Interval choices include:
- OCT DN (octave down)
- 7TH DN (a seventh below)
- 6TH DN (a sixth below)
- 5TH DN (a fifth below)
- 4TH DN (a fourth below)
- 3RD DN (a third below)
- 2ND DN (a second below)
- 2ND UP (a second above)
- 3RD UP (a third above)
- 4TH UP (a fourth above)
- 5TH UP (a fifth above)
- 6TH UP (a sixth above)
- 7TH UP (a seventh above)
- OCT UP (an octave above)

**Key - Knob 4** selects the musical key that the HPS 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 HPS will use. Scale choices include: Major (MAJOR), Minor (MINOR), Dorian (DORIAN), Mixolydian (MIXOLYDN), Lydian (LYDIAN), and Harmonic Minor (HARMMINR).

**Level - Knob 6** adjusts the HPS Level of all the pitch-altering effects in this module. Ranges from 0 to 99.

**Boss® OC-2 Octaver™ (OCTAVER)**
Based on the Boss® OC-2 Octaver™, this 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 counterclockwise for Pre (appears before the Distortion effect), or clockwise for Post (appears after the Noise Gate effect).

**Octave 1 - Knob 3** adjusts the the volume of the signal 1 octave below the input signal. Ranges from 0 to 99.

**Octave 2 - Knob 4** controls the volume of the signal 2 octaves below the input signal. Ranges 0 to 99.

**Dry Level - Knob 6** controls the volume of the dry signal. Ranges from 0 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 - Knob 1** selects one of the 7 different Delay types. Values include: ANALOG (Digitech® Analog Delay), 3H DELAY (Based on the Boss DM-2 Analog Delay), DIGITAL (Digitech Digital Delay), MODULATE (Digitech Modulated Delay), PINGPONG (Digitech Pong Delay), TAPE (Digitech Tape Delay), ECHOPLEX (Based on the Maestro™ EP-2 Echoplex® Tape Echo), and REVERSE (Digitech Reverse Delay). Press this knob to turn the Delays on and off.
Knobs 2-6 have the following functions for the various Delay Effects:

<table>
<thead>
<tr>
<th>Delay</th>
<th>Knob 2 (Time)</th>
<th>Knob 3 (Repeats)</th>
<th>Knob 4 (Param. 1)</th>
<th>Knob 5 (Param. 2)</th>
<th>Knob 6 (Delay Level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANALOG</td>
<td>Time</td>
<td>Repeats</td>
<td>--</td>
<td>--</td>
<td>Delay Level</td>
</tr>
<tr>
<td>DM DELAY</td>
<td>Repeat Rate</td>
<td>Echo</td>
<td>Intensity</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>DIGITAL</td>
<td>Time</td>
<td>Repeats</td>
<td>Ducker Threshold</td>
<td>Ducker Level</td>
<td>Delay Level</td>
</tr>
<tr>
<td>MODULATE</td>
<td>Time</td>
<td>Repeats</td>
<td>Depth</td>
<td>--</td>
<td>Delay Level</td>
</tr>
<tr>
<td>PINGPONG</td>
<td>Time</td>
<td>Repeats</td>
<td>Ducker Threshold</td>
<td>Ducker Level</td>
<td>Delay Level</td>
</tr>
<tr>
<td>TAPE</td>
<td>Time</td>
<td>Repeats</td>
<td>Wow</td>
<td>Flutter</td>
<td>Delay Level</td>
</tr>
<tr>
<td>ECHOPLEX</td>
<td>Time</td>
<td>Repeats</td>
<td>--</td>
<td>--</td>
<td>Volume</td>
</tr>
<tr>
<td>REVERSE</td>
<td>Time</td>
<td>Repeats</td>
<td>--</td>
<td>--</td>
<td>Delay Mix</td>
</tr>
</tbody>
</table>

**NOTE:** The Repeats parameter (Knob 3) ranges from 0 to Repeat Hold (Hold) for all delays 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 RP500 features genuine Lexicon® reverbs, whose rich, lush effects have been heard in countless songs, soundtracks, and live performances for decades.

**Reverb Types**

Knob 1 selects the Reverb Effect or acoustic space. Press this knob to turn the Reverb on and off.

The following types are available:

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWINSPRNG</td>
<td>Based on a Fender® Twin Reverb</td>
<td></td>
</tr>
<tr>
<td>LEX ROOM</td>
<td>Lexicon Room</td>
<td></td>
</tr>
<tr>
<td>LEX HALL</td>
<td>Lexicon Hall</td>
<td></td>
</tr>
<tr>
<td>EMTPLATE</td>
<td>Based on an EMT240 Plate</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Reverb</th>
<th>Knob 2 (Pre Delay)</th>
<th>Knob 3 (Decay)</th>
<th>Knob 4 (Liveliness)</th>
<th>Knob 6 (Reverb Level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWINSPRNG</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Reverb Level</td>
</tr>
<tr>
<td>LEX AMBINC</td>
<td>Pre Delay</td>
<td>Decay</td>
<td>Liveliness</td>
<td>Reverb Level</td>
</tr>
<tr>
<td>LEX STUDIO</td>
<td>Pre Delay</td>
<td>Decay</td>
<td>Liveliness</td>
<td>Reverb Level</td>
</tr>
<tr>
<td>LEX ROOM</td>
<td>Pre Delay</td>
<td>Decay</td>
<td>Liveliness</td>
<td>Reverb Level</td>
</tr>
<tr>
<td>LEX HALL</td>
<td>Pre Delay</td>
<td>Decay</td>
<td>Liveliness</td>
<td>Reverb Level</td>
</tr>
<tr>
<td>EMTPLATE</td>
<td>Pre Delay</td>
<td>Decay</td>
<td>Liveliness</td>
<td>Reverb Level</td>
</tr>
</tbody>
</table>
Section 4 - Other Functions

CD/MP3 Input
The CD/MP3 Input allows you to connect an MP3 or CD player to the RP500 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 RP500. To use the Aux Input, connect the headphone output of your MP3 or CD player to the CD/MP3 Input on the rear panel of the RP500 using an 1/8” stereo cable, and press play on your MP3 or CD player. Use the playing device’s volume control and the RP500’s Master Level knob to balance the levels.

Expression Pedal
The Expression Pedal on the RP500 can be linked to control the RP500’s Volume, Wah, Whammy™, YaYa™, or almost any of the RP500’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:

1. Press either Edit button until the Expression row has been selected (indicated by the LED lighting on the Expression row).
2. Rotate Knob 1 until EXP PEDL appears in the Display.
3. Rotate Knob 2 until the desired parameter to be linked appears in the Display.
4. 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 RP500 includes two assignable low frequency oscillators (LFO 1 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 1, and the minimum value was set at 1 and the maximum value was set at 99, the RP500 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 RP500 is as follows:

1. Press the Edit button until the Expression row has been selected (indicated by the LED lighting on the Expression row).
2. Rotate Knob 1 to select one of the two LFO links, LFO 1 (LFO 1) or LFO 2 (LFO 2).
3. Rotate Knob 2 to select the parameter you want linked to the LFO 1 or LFO 2.
4. Rotate Knob 5 to select which waveform you want the LFO to use, Triangle (TRIANGLE), Sine (SINE), or Square (SQUARE).
5. Rotate Knob 6 to select the speed you want the parameter to be controlled at.
Wah Min/Max
The Wah effect’s minimum and maximum values can be edited via the Expression row. The procedure is as follows:

1. Press the Edit button until the Expression row has been selected (indicated by the LED lighting on the Expression row).
2. Rotate Knob 1 to select WAH PEDL.
3. Rotate Knob 3 to adjust the Wah effect’s minimum value.
4. Rotate Knob 4 to adjust the Wah effect’s maximum value.

Expression Update
The RP500’s Expression pedal has the option to update its position each time a preset change is made. The default behavior for the Expression pedal is to only update its position on a preset change when the Volume Pre or Volume Post parameter is linked within a preset. This lets the Expression pedal behave like a real volume pedal between preset changes. When Expression Update is enabled (ON), the Expression pedal will update its position regardless of the parameter linked, giving it more of an “analog” feel like a real expression pedal would behave.

To enable the Expression Update function, follow these steps:

1. Press the Edit button until the Expression row has been selected (indicated by the LED lighting on the Expression row).
2. Rotate Knob 1 to select EXPUPDAT. The default setting is for Expression Update is OFF.
3. Press Knob 1 to enable or disable Expression Update.

Expression Update is a global function that affects the behavior for all presets. You do not need to save this change to each preset.

Factory Reset
This function resets the RP500 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 RP500.
2. When the display prompts you with FACT RST, release the Store button, which is now flashing.
3. Press and hold the flashing Store button for 3 seconds until RESTORED 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.
Expression Pedal Calibration
The Expression Pedal on the RP500 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 BYPASS footswitch 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:

1. Press and hold the Bypass Footswitch until PEDALCAL appears in the display (BYPASS, TUNER, and EXIT will be displayed before PEDALCAL is accessed, after about 5 seconds.)
2. When the Display prompts you with TOE DOWN, rock the Expression Pedal forward (toe down) and press Footswitch 5 (Reverb).
3. When the Display prompts you with TOE UP, rock the Expression Pedal back (toe up) and press Footswitch 5 (Reverb).
4. The Display now prompts you to calibrate the V-Switch sensitivity (VSWITCHXXX), 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 (WAH ON), and again to turn the V-Switch off (WAH OFF).
5. If the V-Switch is too sensitive, press the Up Footswitch to raise the threshold (range is 0-199). The Down Footswitch decreases sensitivity. 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).
6. When the V-Switch sensitivity is set to your satisfaction, press Footswitch 5 (Reverb) to exit.

NOTE: If the Display shows error, an error has occurred and steps 2 through 5 should be repeated.
Section 5 - Appendix
Specifications

General Specifications
A/D/A Converter: 24-bit high performance audio
Sampling Frequency: 44.1 kHz
DSP Section: AudioDNA2™ DSP Processor
Simultaneous Effects: 10
Preset Memory: 100 User Presets (1-00) / 100 Factory Presets (F1-F00)
Dimensions: 19.5” Length x 8.625” Width x 2.75” Height
Unit Weight: 6.6 lbs.

Analog Input Connections:
Guitar Input: 1/4” Unbalanced (TS)
Input Impedance: 500k Ohms
CD/MP3 Input: 1/8” Stereo (TRS)

Analog Output Connections:
1/4” Outputs
Left/Right Outputs: 1/4” Impedance Unbalanced
Left/Right Output Impedance: 500 Ohms per side
Maximum Output: +10 dBu
XLR Outputs
Left/Right Outputs: Balanced
Left/Right Output Impedance: 1 kohm per side
Maximum Output: +16 dBu

Headphone Output
Headphone Output: 1/8” Stereo (TRS) – 13.6mW per channel @ 50 Ohms

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

RP500 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

Minimum Windows® PC Computer System Requirements:
Windows 7, 8.x, 10 (32/64-bit)
Intel/AMD Dual Core
4GB RAM
USB Port
USB driver installed
Internet connection for software download

Minimum Mac Computer System Requirements:
Mac OS 10.8.5 or later
Intel Dual Core
4GB RAM
USB Port
Internet connection for software download
## Tone Library

<table>
<thead>
<tr>
<th>OVERDRIVE</th>
<th>CRUNCH</th>
<th>SCOOPED</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTORTION</td>
<td>TEXAS TONE</td>
<td>PUNCHY</td>
</tr>
<tr>
<td>HOT RAT</td>
<td>ROCKABILLY</td>
<td>BRIGHT CLEAN</td>
</tr>
<tr>
<td>SUSTAINER</td>
<td>SOLO 1</td>
<td>BIG PUNCH</td>
</tr>
<tr>
<td>FUZZOH</td>
<td>SOLO 2</td>
<td>SUPER GAIN</td>
</tr>
<tr>
<td>OVEREASY</td>
<td>ROCK WAH</td>
<td>GRINDER</td>
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<td>CHUNKY</td>
<td>BAD BOY</td>
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## Effects Library

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<th>CUSTOM/CHORUS</th>
<th>CHORUS-DLEY-REVERB</th>
<th>ROTARY-DLEY-SPRING</th>
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</thead>
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<tr>
<td>PHASER</td>
<td>FLANGER-DLEY</td>
<td>SLOW SWEEP</td>
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<td>FLANGER</td>
<td>PHASER-DLEY</td>
<td>VIBRO-DLEY</td>
</tr>
<tr>
<td>PITCH</td>
<td>PHASER-MOD DLEY</td>
<td>VIBE-DLEY</td>
</tr>
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