

# RP55

## MODELING GUITAR PROCESSOR

**DigiTech**  
by HARMAN



# Owner's Manual



## CAUTION

RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**ATTENTION:** RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR

**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 **Declaration 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.

## U.K. MAINS PLUG WARNING

A molded mains plug that has been cut off from the cord is unsafe. Discard the mains plug at a suitable disposal facility.

**NEVER UNDER ANY CIRCUMSTANCES SHOULD YOU INSERT A DAMAGED OR CUT MAINS PLUG INTO A 13 AMP POWER SOCKET.**

Do not use the mains plug without the fuse cover in place. Replacement fuse covers can be obtained from your local retailer. Replacement fuses are 13 amps and MUST be ASTA approved to BS1362.

## DECLARATION OF CONFORMITY

Manufacturer's Name: Digitech  
Manufacturer's Address: 8760 S. Sandy Parkway  
Sandy, Utah 84070, USA

declares that the product:

Product name: RP 55  
Product option: all (requires Class II power adapter that conforms to the requirements of EN60065, EN60742, or equivalent.)

conforms to the following Product Specifications:

Safety: IEC 60065-01+Amd 1  
EMC: 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  
EC Regulation 1275/2008

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

Roger Johnson  
Director, Engineering  
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8760 S. Sandy Parkway  
Sandy, Utah 84070, USA  
Date: April 28, 2011

European Contact: Your local Digitech Sales and Service Office or

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8760 South Sandy Parkway  
Sandy, Utah  
84070 USA  
Ph: (801) 566-8800  
Fax: (801) 568-7583



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 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.

## SAFETY INSTRUCTIONS

NOTICE FOR CUSTOMERS IF YOUR UNIT IS EQUIPPED WITH A POWER CORD.

WARNING: THIS APPLIANCE SHALL BE CONNECTED TO A MAINS SOCKET OUTLET WITH A PROTECTIVE EARTHING CONNECTION.

The cores in the mains lead are coloured in accordance with the following code:

GREEN and YELLOW - Earth    BLUE - Neutral    BROWN - Live

As colours of the cores in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The core which is coloured green and yellow must be connected to the terminal in the plug marked with the letter E, or with the earth symbol, or coloured green, or green and yellow.
- The core which is coloured blue must be connected to the terminal marked N or coloured black.
- The core which is coloured brown must be connected to the terminal marked L or coloured red.

This equipment may require the use of a different line cord, attachment plug, or both, depending on the available power source of installation. If the attachment plug needs to be changed, refer servicing to qualified service personnel who should refer to the table below. The green/yellow wire shall be connected directly to the units chassis.

CONDUCTOR	WIRE COLOR	
	Normal	All
L	LIVE	BROWN    BLACK
N	NEUTRAL	BLUE    WHITE
E	EARTH GND	GREEN/ YEL    GREEN

**WARNING:** If the ground is defeated, certain fault conditions in the unit or in the system to which it is connected can result in full line voltage between chassis and earth ground. Severe injury or death can then result if the chassis and earth ground are touched simultaneously.

# 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 [www.digitech.com](http://www.digitech.com) within ten days of purchase 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.

# Introduction

Thanks to the continuous advances in musical technology, the RP55 offers you the flexibility, power, and capability of producing sonic creations never before thought possible. We recommend that you become better acquainted with us, and what we have to offer by going through this Owner's manual with your RP55 in front of you. It is your key to unlocking the potential within the RP55.

## Included Items

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

- **RP55**
- **Online Warranty Registration Information Card**

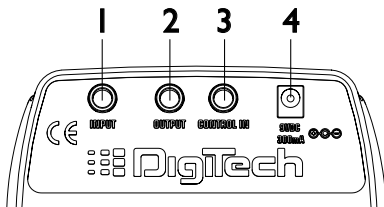
The utmost care was taken while your RP55 was being manufactured. Everything should be included and in perfect working order. If anything is missing, contact the factory at once. Please help us become acquainted with you and your needs by registering online at <http://www.digitech.com>.

It is your safeguard should a problem arise with your RP55.



- 2. Value Buttons** - The Value Buttons perform various functions depending on which mode is selected. In Play mode, these buttons control RP55's Master Level. In Edit mode, these buttons adjust the selected effect. These buttons also change the Pattern, Tempo, and Level of the Drum machine when it is turned on. When the Tuner is enabled, these buttons select the tuning reference.
- 3. Effect/Edit Buttons** - Pressing either Edit buttons enters Edit mode and selects the individual effects to be edited. Press the left and right Edit buttons to move through the effects. Each effect LED will light to indicate which effect you are editing
- 4. Drums** - The Drums button is used to turn on and off the RP55's drum machine. When the Drums feature is active, the Drums LED lights and the selected drum pattern plays continuously.
- 5. Effect LEDs** - The Effect LEDs provide information regarding the current preset. In Edit mode, the LEDs indicate the effect selected for editing. In Tuner mode, the LEDs indicate whether the note played is sharp, flat, or in tune.
- 6. Display** - The Display provides information for different functions depending on the selected mode. In Play mode, the display shows the selected preset number. In Edit mode, the display shows the value of the parameter being adjusted. When the Tuner is enabled, the display shows the note played.
- 7. Store** - The Store button saves your custom edits to the user presets.

# Rear Panel



**1. Input** - Connect your instrument to this jack.

**2. Output** - This is a stereo TRS jack. Connect from this jack to the input of a single amplifier for mono applications, or use a TRS stereo “Y” cord to connect to the inputs of 2 amplifiers for stereo applications. This jack also can be used as a headphone jack.

**Note:** When using the RP55 direct into a mixer or recording device, or when using it with headphones, you can enable the **Global Cabinet Modeling** feature to emulate speaker simulation on each of the RP55’s presets. (See Page 20 for more on **Global Cabinet Modeling**.)

**3. Control In** - Connect a passive mono volume or TS (tip/sleeve) expression pedal to this jack to control Volume, Wah, and Whammy™ in the RP55. TRS expression pedals are not supported.

**4. Power Input** - Connect only the optional power supply or equivalent to this jack (see Specifications).



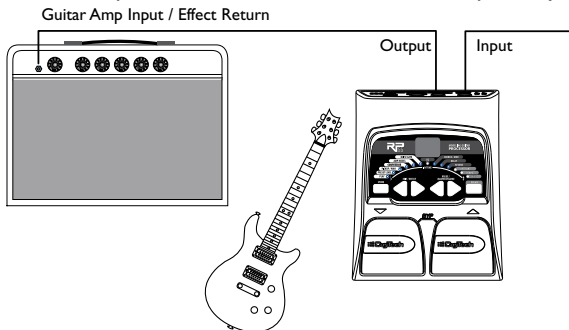
# Making Connections

There are several different connection options available when using the RP55. The following diagrams show the connections for some of these options.

Before connecting the RP55, make sure that the power to your amplifier is turned off, and the power to the RP55 is disconnected. There is not a power switch on the RP55. To turn the RP55 off, disconnect your instrument from the Input Jack (for battery power) or disconnect the optional power supply from the Power Jack or from the AC outlet.

## Mono Operation

Connect your guitar to the Input of the RP55. Connect a single mono instrument cable from the Stereo Output of the RP55 to the instrument input on your amplifier.



## Stereo Operation

For stereo operation connect the guitar to the Input of the RP55. Connect a TRS stereo “Y” cord or a pair of stereo headphones to the RP55’s Output. When using a “Y” cord, connect one end of the “Y” cord to the input of one amplifier or channel of a mixer. Connect the second end of the “Y” cord to a second amplifier, or second channel of a mixer. If connecting to a mixing console, set the pan controls of the mixer hard left and right to retain stereo separation. To emulate a guitar cabinet sound when using the RP55 with a mixer or headphones, you can enable Global Cabinet Modeling (see page 20).

