

PDS 1650
Programmable
Distortion Pedal

OWNER'S MANUAL

DigiTech

Introduction

The DigiTech PDS-1650 combines great tube-type distortion effects with a programmable memory, allowing instant recall of favorite sounds. Choose from metal or rock distortion, adjust the presence and effect levels, then store it into memory with the touch of a button.

DigiTech's own VLSI engine creates smooth, dynamic sound effects with maximum frequency response. The 20-program memory and high-performance CMOS technology for low battery drain make the PDS-1650 incredibly versatile.

Control Descriptions

TYPE: Selects either a mellow rock distortion or a heavy metal effect.

LEVEL: Adjusts the amplitude or volume of the distortion signal.

PRESENCE: Determines the amount of treble boost added to the signal.

DISTORTION: Adjusts the amount of distortion produced.

EFFECT LED: When on, indicates distortion is on. When off, indicates distortion is bypassed.

MODE: Selects either **MANUAL** adjustment of effects, or permits use of **PRESET** programs. When switched to **PRESET**, the panel knobs cannot be adjusted. Ensure the PDS-1650 is in **MANUAL** mode to begin operation.

STORE: Stores the effect settings into the displayed program number. Works only in **MANUAL** mode.

PRESET LED DISPLAY: Two-digit LED display showing the selected program number.

PRESET FOOTSWITCH: Changes the program number from 0 to 19. Must be pushed for each number.

EFFECT FOOTSWITCH: Toggles the distortion bypass on or off.

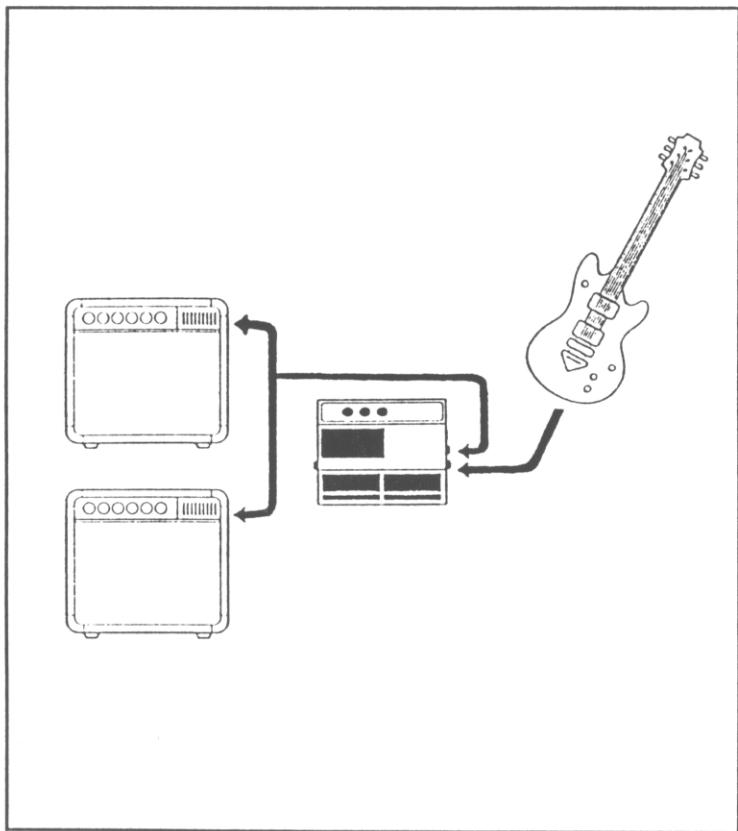
Jacks

INPUT JACK: Standard 1/4-inch jack for mono (unbalanced) guitar signals.

OUTPUT JACK: Standard 1/4-inch jack for mono (unbalanced) output.

POWER JACK: 1/8-inch jack for use with an AC power adapter. See "Specifications".

DRY OUT: Standard 1/4-inch jack for mono (unbalanced) hard-wired connection to the input jack. Relays unbuffered dry signal (without effects) to another effect device.



Stereo Setup Using DigiTech PDS-1650

Applications

The PDS-1650 produces two type of distortion sound effects. Use the TYPE switch to choose either a smooth rock sound or a crisp heavy metal punch, adjust the LEVEL and amount of DISTORTION, then add in more treble with the PRESENCE control, which acts like a fixed EQ. Save the sound by pressing STORE, then experiment with new settings.

Set-up. When shipped from the factory, there are no settings in the preset memory. Start by setting the MODE switch to MANUAL.

Using the TYPE switch, select either ROCK or METAL distortion. Play a few licks and adjust the LEVEL, PRESENCE, and amount of DISTORTION.

Storing Settings. After getting just the right sound, use the PRESET footswitch to select a program number from 0 to 19. Press the STORE button and two decimal points are displayed on the PRESET LED, indicating the settings have been stored to the program number. Up to 20 programs can be stored in this manner.

When the PDS-1650 is in MANUAL mode, new settings are saved whenever STORE is pressed.

When in PRESET mode, the PDS-1650 has a safety feature which prevents programs from being overwritten; pressing the STORE button has no effect.

Using Preset Programs. After storing programs into the PDS-1650, they can be recalled by first setting the MODE switch to PRESET.

Press the PRESET footswitch to select the desired program number. As the program number changes, the effect settings for each program become active immediately.

Using Bypass. For a smooth transition between effect programs, use the EFFECT bypass footswitch.

For example, if program 16 is being used, press the EFFECT footswitch to temporarily bypass the distortion, change the program number with the PRESET footswitch, then press EFFECT again to use the new distortion setting.

Battery Requirements

The PDS-1650 has an average current drain of about 70 mA. A high-energy 9V alkaline battery is recommended, and will provide about 3 hours of service.

Memory backup is provided by an internal 3V lithium battery, which should last for two years. If programs are lost from the memory after that time, take the PDS-1650 to the dealer for a new battery. Service by anyone other than an authorized DigiTech dealer will void the warranty.

In Case of Difficulty

In the unlikely event of difficulty with the PDS-1650, check the 9V battery to make sure it is charged. If using an AC adapter, verify that the adapter is making proper connection to the unit. Also check the condition of all plugs and cords, and ensure they are making proper contact to the jacks on the PDS-1650.

To use the effect controls, make sure it is in MANUAL mode. To recall programs, make sure it is in PRESET mode.

Unauthorized repair of the PDS-1650 by anyone other than the DigiTech factory voids the warranty. Contact a DigiTech dealer for return/-repair procedures.

FCC Compliance

This equipment has been tested and found to comply with the limits of a Class B computing device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

Specifications

Power:	DC 9V alkaline battery or AC adapter (DigiTech PS-7)	Jacks:	Input, Output, Dry Output, Power
Current Drain:	Typically 70 mA	Input Impedance:	1M ohms
Controls:	MODE switch, distortion LEVEL, PRESENCE, amount of DISTORTION, TYPE switch, and STORE	Output Impedance:	1K ohms
		Weight:	2.3 lbs. (1.05 kg.)
		Dimensions:	5" x 6" x 2" (127 mm x 152 mm x 51 mm)
Footswitch Controls:	PRESET number select, EFFECT bypass		

Warranty

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 through the original dealer, where all parts and labor will be covered up to a period of one year. 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 foregoing is in lieu of all other warranties, expressed or implied, and DigiTech neither assumes nor authorizes any person to assume for it 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.

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