

PDS 2730
Hot Box

OWNER'S MANUAL

DigiTech

Introduction

The DigiTech Hot Box™ is two pedals in one, with both distortion and digital delay effects. Choose from soft tube to heavy metal distortion, then mix in some digital delay for a chorus effect. Or set the delay for infinite repeat and lay a few licks into the memory for great rhythm sound.

DigiTech's own VLSI engine creates smooth, dynamic sound effects with maximum frequency response. The stereo output jacks and high-performance CMOS technology for low battery drain make the Hot Box™ incredibly versatile.

Control Descriptions

DELAY LEVEL: Adjusts the amount of delayed signal mixed in with the dry signal. Provides a 50-50 mix at the maximum setting.

REGENERATION: Determines the amount of signal fed back into the delay path to be delayed again. In longer delay settings, a higher REGEN setting will result in more echoes. On very short delay settings a higher REGEN setting will give a more pronounced comb filter effect.

DELAY TIME: Adjusts the amount of delay within a particular range. See "RANGE/MODE".

RANGE/MODE: A dual-function control. First, it selects the following delay ranges:

- 4 msec to 16 msec
- 16 msec to 63 msec
- 63 msec to 250 msec
- 250 msec to 1 second

Second, it selects the infinite repeat mode when turned fully clockwise. Press the foot pedal to toggle infinite repeat on and off.

DELAY BYPASS/OO REPEAT

FOOTSWITCH: When RANGE/MODE is set to a delay range, the footswitch toggles the delay bypass on or off. When RANGE/MODE is set to infinite repeat, the footswitch toggles the infinite repeat on or off.

DISTORTION LEVEL: Adjusts the amplitude of the distortion signal. If both the distortion and delay effects are on, then DISTORTION LEVEL also adjusts the input level of the delay signal.

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

DISTORTION: Adjusts the amount of distortion produced.

DISTORTION BYPASS

FOOTSWITCH: Toggles the distortion bypass on or off.

Indicator LEDS

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

DELAY LED: When on, indicates delay is on. When off, indicates delay is bypassed. In the infinite repeat mode the led will light whether the infinite repeat function is on or off.

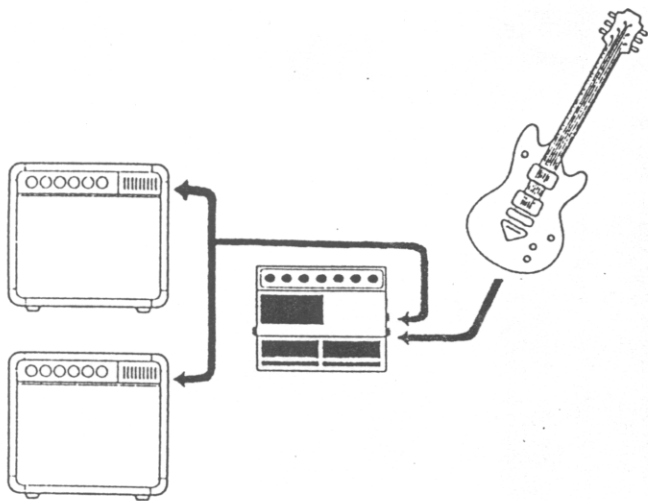
Jacks

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

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

STEREO OUTPUT JACK: Standard 1/4-inch jack for mono (unbalanced) plugs. Use of this jack in conjunction with the OUTPUT jack will provide a stereo effect.

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



Stereo Setup Using DigiTech Hot Box™

Applications

The **Hot Box™** produces a wide range of distortion sound effects. Use the **DISTORTION** control to vary the amount of bite, then add in more treble with the **PRESENCE** control, which acts like a fixed EQ. Experiment with a variety of settings to get just the right effect.

The delay functions of the **Hot Box™** are extremely versatile, including the following applications:

Programmable infinite repeat.

Set the delay range to the one second infinite repeat position. Press the **DELAY BYPASS/OO REPEAT** footswitch to toggle the infinite repeat off. Set the **DELAY TIME** high, the **REGEN** low, and the **DELAY**

LEVEL as desired. Play a rhythm riff in time with the delay, then press the **DELAY BYPASS/OO REPEAT** footswitch. The rhythm is now stored in memory and continues to repeat until the footswitch is pressed again. Play along with the stored rhythm as desired.

Sound-on-sound. Put down a rhythm riff as explained in the infinite repeat section. Turn the **REGEN** all the way up. Press the **DELAY BYPASS/OO REPEAT** footswitch, play a lick that fits the rhythm, and press the footswitch again. Several tracks may be stored in the memory using this method; however, the earlier tracks will be slightly attenuated.

Echo. Set the RANGE/MODE to either 250 MSECS or 1 SEC. Adjust the DELAY TIME for longer or shorter echoes. Add REGEN for more than one repeat.

Slap back. Set the RANGE/-MODE to 250 MSEC position, then set the DELAY TIME and REGEN to low.

Doubling. Set the RANGE/-MODE to either 16 MSEC or 63 MSEC. Set the DELAY TIME high, and the REGEN and DELAY LEVEL as desired.

Chorus. Set the RANGE/-MODE to either 63 MSEC or 250 MSEC and the DELAY TIME low. Set both the REGEN and DELAY LEVEL high.

The distortion and delay effects can also be used simultaneously to produce unique sounds.

Use a short RANGE/MODE setting, then adjust the REGEN to give the distortion a reverb effect ranging from the sound of a small room to a large room. Connect the Hot Box™ to two amplifiers to add stereo sound to the large room effect.

Battery Requirements

The PDS 2730 has an average current drain of about 60 mA. A high energy alkaline

battery is recommended, and will provide about 4 hours of service.

In Case of Difficulty

In the unlikely event of difficulty with the **Hot Box™**, check the 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 **Hot Box™**. Ensure that the unit is not being overdriven by the input signal, and check the **DISTORTION LEVEL** to verify there is sufficient output signal.

Check the **DELAY LEVEL** to be sure there is a proper mixture of delayed signal and dry signal. Finally, check the **RANGE/MODE** setting to verify it is not in the infinite repeat mode.

Unauthorized repair of the **Hot Box™** 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

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|----------------------|---|-------------------|--|
| Power: | DC 9V alkaline battery or AC adapter (DigiTech PS-7) | Bandwidth | Dry: 20 Hz to 40 kHz Delay: 30 to 10 kHz |
| Current Drain: | Typically 60 mA | Delay Ranges: | 4 to 16 msec 16 to 63 msec 63 to 250 msec 250 msec to 1 sec |
| Controls: | Delay Level, Regeneration, Delay Time, Range/Mode, Distortion Level, Presence, Distortion | SNR: | Dry: > 90 db Delay: > 85 db |
| Footswitch Controls: | Delay Bypass/OO Repeat, Distortion Bypass | Input Impedance: | 1M ohms |
| Jacks: | Input, Output, Stereo Output, Power | Output Impedance: | 4.7K ohms |
| | | Weight: | 2.3 lbs. (1.05 kg.) |
| | | Dimensions: | 5" x 6" x 2" (127 mm x 152 mm x 51 mm) |

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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