

DigiTech BP90

DigiTech BP90 Bass Guitar Multi-Effects Processor

User Manual

INTRODUCTION

The DigiTech BP90 is a compact multi-effects pedal designed specifically for bass guitar. It integrates a wide array of effects, amplifier and cabinet models, a drum machine, a chromatic tuner, and an expression pedal into a single unit, offering comprehensive tonal control and practice tools for bassists.

SAFETY INFORMATION

- Ensure the correct power supply is used (9V DC, 300mA). Using an incorrect power supply can damage the unit and void the warranty.
- Do not expose the unit to rain or moisture to prevent fire or electric shock.
- Avoid placing the unit near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Clean only with a dry cloth.
- 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.

KEY FEATURES

- 32 Bass effects
- 11 Amp models
- 5 Cabinet models
- 100 Presets (50 Factory / 50 User)
- Built-in drum machine with 40 different patterns
- Built-in expression pedal for real-time control over wah, volume, and DigiTech Whammy effects
- Built-in chromatic tuner

- Independent Left/Right outputs
- Auxiliary input
- Dedicated headphone output
- Power Supply Included

CONTROLS AND CONNECTIONS

Front Panel Overview



Figure 1: Front view of the DigiTech BP90, showing the display, control buttons, and footswitches.

The front panel of the BP90 features a clear LED display for showing preset numbers and parameter values. Below the display are several control buttons for navigating menus and adjusting settings, including "EDIT", "TONE LIBRARY", "EFFECTS LIBRARY", "EFFECTS LEVEL", "MASTER LEVEL", and "STORE". Two footswitches are located at the bottom left for preset changes and bypass, while a large expression pedal is on the right for real-time effect control.

Expression Pedal



Figure 2: Angled view of the DigiTech BP90, highlighting the integrated expression pedal.

The integrated expression pedal allows for dynamic control over various effects such as Wah, Volume, and the unique DigiTech Whammy effect. Its robust design ensures reliable performance during live use or practice sessions.

Rear Panel Connections



Figure 3: Rear view of the DigiTech BP90, displaying all input and output jacks.

The rear panel provides all necessary connections for the BP90. These include the **INPUT** jack for your bass guitar, **LEFT (MONO)** and **RIGHT OUT** jacks for connecting to an amplifier or mixer, an **AUX IN** jack for external audio sources, a dedicated **HEADPHONE OUT** jack for silent practice, and the **9VDC 300mA** power input.

SETUP

1. Connect your bass guitar to the **INPUT** jack on the rear panel of the BP90.

2. Connect the **LEFT (MONO) OUT** jack to your bass amplifier's input or a mixer. For stereo output, connect both **LEFT** and **RIGHT OUT** jacks to a stereo amplifier or mixer.
3. If desired, connect an external audio source (e.g., MP3 player) to the **AUX IN** jack for practice along with music.
4. For silent practice, connect headphones to the **HEADPHONE OUT** jack.
5. Connect the included 9V DC power supply to the **9VDC 300mA** input on the rear panel and then plug it into a wall outlet. The unit will power on automatically.

OPERATING INSTRUCTIONS

Navigating Presets

The BP90 comes with 100 presets, divided into 50 factory presets (51-100) and 50 user presets (01-50). Use the footswitches to cycle through presets. Pressing both footswitches simultaneously typically engages the bypass mode, allowing your clean bass signal to pass through.

Editing Effects and Amp Models

Press the **EDIT** button to enter edit mode. Use the **TONE LIBRARY** and **EFFECTS LIBRARY** buttons to select different amp models, cabinet models, and individual effects. Adjust parameters using the **VALUE** knob (or corresponding buttons). The **EFFECTS LEVEL** and **MASTER LEVEL** controls adjust the overall effect mix and output volume, respectively. Remember to press **STORE** to save your changes to a user preset location (01-50).

Using the Drum Machine

The BP90 includes 40 built-in drum patterns for practice. Activate the drum machine by pressing the **DRUMS** button. Use the controls to select different patterns and adjust the tempo. This feature is ideal for developing rhythm and timing.

Built-in Chromatic Tuner

The integrated chromatic tuner allows for accurate tuning of your bass. Refer to the display for tuning indications. The tuner typically mutes the output signal when engaged, allowing for silent tuning.

Expression Pedal Functions

The expression pedal can be assigned to control various parameters within a preset, such as wah intensity, volume level, or the pitch shift of the Whammy effect. Consult the detailed manual for specific instructions on assigning and calibrating the expression pedal for different effects.

MAINTENANCE

- Keep the unit clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Store the BP90 in a cool, dry place away from direct sunlight and extreme temperatures.
- When not in use for extended periods, disconnect the power supply.
- Regularly check all cables and connections for wear and tear to ensure optimal performance and safety.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Incorrect connections, low volume, unit in tuner/bypass mode.	Check all cable connections. Ensure Master Level is up. Exit tuner mode or bypass mode by pressing footswitches.

Problem	Possible Cause	Solution
Distorted or noisy sound.	Input level too high, faulty cables, incorrect power supply.	Adjust input level on your bass or the BP90. Try different cables. Ensure you are using the correct 9V DC 300mA power supply.
Unit does not power on.	Power supply not connected, faulty power supply or outlet.	Verify power supply is securely connected to the unit and a working power outlet. Test the outlet with another device.
Expression pedal not responding.	Pedal not assigned to a parameter, calibration issue.	Ensure the expression pedal is assigned to the desired effect parameter within the preset. Refer to the full manual for calibration procedures.

SPECIFICATIONS

- **Item Weight:** 1.52 pounds
- **Product Dimensions:** 6.5 x 8.5 x 2 inches
- **Model Number:** BP90
- **Color:** Black/Red
- **Hardware Interface:** HP-HSC
- **Signal Format:** Analog
- **Power Source:** Corded Electric
- **Voltage:** 9V
- **First Available Date:** June 24, 2010

WARRANTY AND SUPPORT


For detailed warranty information and technical support, please refer to the official DigiTech website or contact their customer service. Keep your proof of purchase for any warranty claims.






You can often find additional resources, FAQs, and firmware updates on the manufacturer's support pages.



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Related Documents - BP90

	<p>DigiTech BP90 Modeling Bass Processor Owner's Manual</p> <p>Comprehensive owner's manual for the DigiTech BP90 Modeling Bass Processor, detailing its features, functions, effects, and specifications for musicians.</p>
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	<p>DigiTech BNX3 Bass Workstation User's Guide</p> <p>Explore the DigiTech BNX3 Bass Workstation with this comprehensive user's guide. Learn about its advanced amp modeling, effects, 8-track recorder, and customization options for bass guitarists.</p>
	<p>DigiTech BP355 Bass Multi-Effects Processor Owner's Manual</p> <p>Comprehensive owner's manual for the DigiTech BP355 Bass Multi-Effects Processor, detailing its features, operation, editing, and specifications.</p>
	<p>DigiTech BP50 Bass Effects Processor: User Guide & Features</p> <p>Comprehensive user's guide for the DigiTech BP50 Modeling Bass Processor, covering its features, front and rear panel controls, connections, power options, editing presets, effect definitions, specifications, and troubleshooting.</p>
	<p>DigiTech BP80 Modeling Bass Processor Owner's Manual</p> <p>Comprehensive owner's manual for the DigiTech BP80 Modeling Bass Processor, detailing features, connections, effects, operation, specifications, and troubleshooting.</p>
	<p>DigiTech BP200 Modeling Bass Processor User Guide</p> <p>Comprehensive user guide for the DigiTech BP200 Modeling Bass Processor, covering its features, modes, effects, connections, and specifications. Learn how to use the BP200 for bass guitar sound shaping and performance.</p>