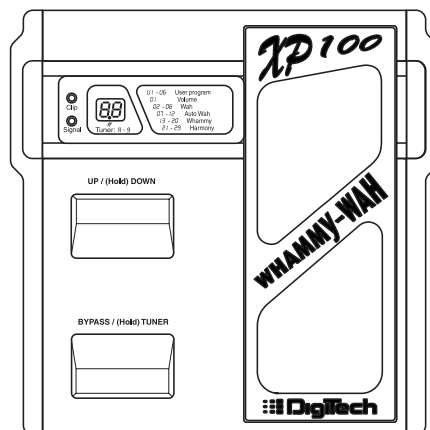


**DigiTech**

# XP-100 Owner's Guide



## SAFETY HINTS:

**WATER AND MOISTURE:** Appliance should not be used near water (e.g. near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.). Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

**POWER SOURCES:** The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

**GROUNDING OR POLARIZATION:** Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

**POWER CORD PROTECTION:** Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

**SERVICING:** The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

**FUSING:** If your unit is equipped with a fuse receptacle, replace with only same type fuse. Refer to replacement text on the unit for correct fuse type.

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## WARRANTY:

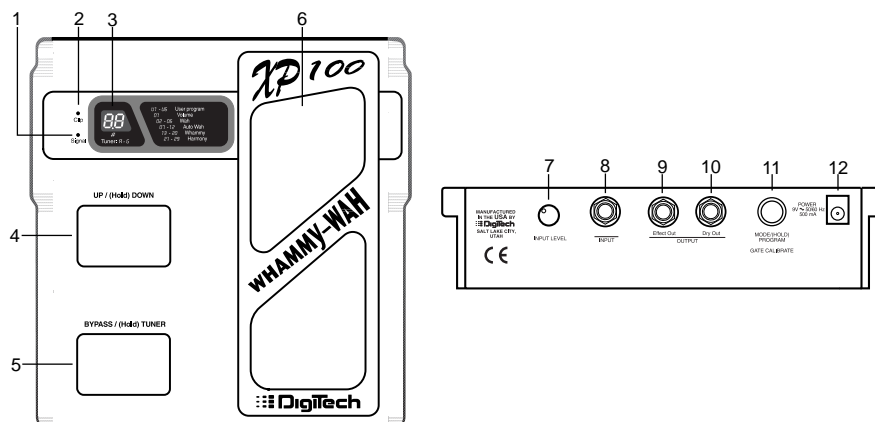
1. The warranty card must be mailed within ten days after purchase date to validate this warranty.
2. DigiTech warrants this product, when used solely within the U.S., to be free from defects in materials and workmanship under normal use and service.
3. DigiTech liability under this warranty is limited to repairing or replacing defective materials that show evidence of defect, provided the product is returned 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 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.

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Congratulations, and thank you for your purchase of the Digitech XP-100. The XP-100 offers not one, not two, but numerous effects in one compact heavy duty pedal chassis design. With the XP-100, you get classic Wah effects, Pitch shifting, Whammy effects, along with a Volume controller and a Chromatic tuner. To keep things quiet, the XP-100 even comes equipped with an adjustable Noise gate. This owner's guide is provided to get you up and going with the XP-100 and use it to its full potential.


### Front and Rear Panel Controls and Functions




1. **Signal LED** - Indicates that signal is entering the XP-100.
  2. **Clip LED** - Indicates that signal is clipping in the XP-100.
  3. **Status Display** - The Status Display window shows the current information including: bypass, current effect program number, and Chromatic Tuner information. When the XP-100 is in Program mode (Factory or User), the display will either read:  $\square 1-29$  (Factory) or  $\square 1-16$  (User).
- \*Note-* A complete listing of all Factory programs is located on the bottom panel of the XP-100.
4. **Program UP/(Hold)DOWN Switch** - Lets you select programs. Pressing once will move up through the program menu. Press and hold and the XP-100 will move down through the program menu.
  5. **BYPASS/(Hold)TUNER Switch** - Puts the unit into Bypass by pressing the footswitch once. To select the Tuner, press and hold the footswitch until the display reads:  $\square 1$ , indicating that you are in Tuner mode.
  6. **Expression Pedal** - Controls the selected effect or volume.
  7. **Input Level Control** - Sets the amount of signal being sent into the unit. The ideal setting for the input control of the XP-100 is to set the input level at a point where the Clip LED indicator occasionally lights.
  8. **Input Jack** - Connect instrument here using 1/4" guitar cord.
  9. **Effect Output** - The Effect output sends only the effected signal out.
  10. **Dry Output** - The Dry output of the XP-100 sends only the un-effected signal out.
  11. **Mode/(Hold)Program-Gate Calibration** - This button is used to put the XP-100 in and out of User

mode. The beauty of the the User mode is, that the XP-100 will give you the opportunity to store up to 6 of your favorite factory programs in the same area. This will save you the toe-tap dancing ritual of accessing programs. This button is also used to calibrate the noise gate threshold of the XP-100. To put the XP-100 in User mode, simply press the <Mode/(Hold) Program> button.


**To store a Factory program as a User program**, the procedure is as follows:

First, select the Program to be stored. Press and hold the <MODE/(HOLD)PROGRAM> button. The display will flash: . From here, use the <UP/(Hold)DOWN> footswitch to select which user location. Now just press the <MODE/(HOLD)PROGRAM> button to save. The display will read: 5R to confirm, then return to Program mode.

**To calibrate the Noise Gate threshold**, press and hold the <GATE CALIBRATE> button while applying power to the XP-100 until the display reads . Use the expression pedal to set the threshold. Rocking the pedal forward=higher threshold, pedal back=lower threshold. When the pedal is brought all of the way back, the gate is bypassed. The display will show the threshold range from 0-99. When the threshold is set to the desired value, press the <MODE/(HOLD)PROGRAM> button to save. The display will read: 5R to confirm, then return to Program mode.

12. **AC Line Input** - Connect the power adpater here. Use only the enclosed PS 750 power supply.

### Tuner Mode

To access the Tuner mode, press and hold the <BYPASS/(Hold)TUNER> footswitch until  appears in the display. The currently played note is displayed in the left character of the status display window, while the intonation is displayed in the RIGHT character of the window.

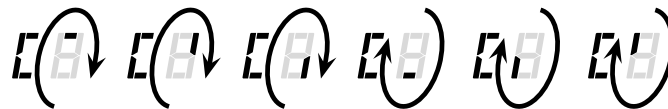
When the input note is in tune, the display will read:



When the note is flat, the intonation character will rotate counter clockwise as shown:



When the note is sharp, the intonation character will rotate clockwise as shown:



The faster the character spins (either clockwise or counter clockwise), the more out of tune the note is.

### Bypass Mode

To place the XP-100 in bypass mode, press the <BYPASS/(Hold)TUNER> footswitch once.

When the XP is in Bypass mode, the Expression pedal is inactive, but programs can still be selected using the <UP/(Hold)DOWN> footswitch while the unit is in bypass. The new program is loaded once Bypass mode is exited. When the XP is in bypass mode, the display will read:



**Factory Reset/Pedal Calibrate** - To reset the User programs to their factory settings and calibrate the expression pedal, press and hold the <BYPASS/(Hold)TUNER> foot switch and apply power to the unit. Wait until the letters *r5* appear in the display and release the foot switch. The display will now show: *Pd* and *CR* , indicating that you are in pedal calibrate mode. Once *Pb* appears, rock the pedal back and press the <BYPASS> foot switch. When *PF* appears, rock the pedal forward and press the <BYPASS> foot switch. *SR* will next appear in the display to confirm the pedal is now calibrated.

#### Specs

A/D Convert - 18bit 128x oversampled  
D/A Convert - 18bit 128x oversampled  
Sample Rate - 46.8 kHz  
Frequency Response - 20Hz ~ 20 kHz  
S/N - Greater than 90dB  
1/4" Input Jack (1), Output Jacks (2)  
Externally powered (PS750)

#### DECLARATION OF CONFORMITY

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

declares that the product

Product Name: XP-100  
Product Options: All ( with a Class II power adapter that conforms to the requirements of EN60065, EN60742, or equivalent).

conforms to the following product specifications:

**Safety:** EN 60065 (1993)  
IEC63 (1985) with Amendments 1,2,3  
**EMC:** EN 55013: (1990)  
EN 55020: (1991)

Supplementary Information:

The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC as amended by directive 93/68/EEC.

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Effective: 2/7/97

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Printed In USA 2/97  
Manufactured in the U.S.A.

XP-100 18-2174-B

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