![DigiTech by HARMAN]

nautila
CHORUS·FLANGE

OWNER'S MANUAL

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 digitech.com within ten days of purchase to validate this warranty. This warranty is valid only in the United States.

2. DigiTech warrants this product, when purchased new from an authorized U.S. DigiTech dealer and used solely within the U.S., to be free from defects in materials and workmanship under normal use and service. This warranty is valid to the original purchaser only and is non-transferable.

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 by contacting DigiTech. 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 responsibility of the consumer. A copy of the original purchase receipt must be provided for any warranty service.

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 since this version of the manual was completed. The information contained in this version of the owner's manual supersedes all previous versions.

TECHNICAL SUPPORT & SERVICE

If you require technical support, contact DigiTech Technical Support. Be prepared to accurately describe the problem. Know the serial number of your device – this is printed on a sticker attached to the chassis. If you have not already taken the time to register your product, please do so now at digitech.com.

Before you return a product to the factory for service, we recommend you refer to this manual. Make sure you have correctly followed installation steps and operating procedures. For further technical assistance or service, please contact our Technical Support Department at (801) 566-8800 or visit digitech.com. If you need to return a product to the factory for service, you MUST first contact Technical Support to obtain a Return Authorization Number.

NO RETURNED PRODUCTS WILL BE ACCEPTED AT THE FACTORY WITHOUT A RETURN AUTHORIZATION NUMBER.

Please refer to the Warranty information, which extends to the first end-user. After expiration of the warranty, a reasonable charge will be made for parts, labor, and packing if you choose to use the factory service facility. In all cases, you are responsible for transportation charges to the factory. If the product is still under warranty, DigiTech will pay the return shipping.

Use the original packing material if it is available. Mark the package with the name of the shipper and with these words in red: DELICATE INSTRUMENT, FRAGILE! Insure the package properly. Ship prepaid, not collect. Do not ship parcel post.

INTRODUCTION

Thanks for choosing the DigiTech® Nautila chorus/flange pedal. The Nautila was designed for the selective guitarist who wants the highest quality effects in a compact package. The Nautila provides such distinguishing features as true bypass, constant high voltage operation, and true stereo processing, making the Nautila an essential addition to the signal chain of players who know about sound quality and demand the utmost in performance with superior tone and control.

The Nautila is a stereo, multi-voice chorus/flange effect pedal. It offers the usual control that you would expect when using a chorus or flange effect: mix, modulation speed, depth, and regeneration. But what sets the Nautila apart is the additional creative control on offer.

For example, when the chorus effect is selected the EMPHASIS knob can be used to control the tone of the effect. The number of voices is selectable using the VOICES knob, with up to 4 flange or 8 chorus voices selectable. The continuously variable, 360° DRIFT knob lets you morph between waveforms, for truly unique modulation movement. And if that wasn't enough, press and hold the FOOTSWITCH when the effect is on and the modulation rate will speed up or slow down, for expressive control during the performance.

To use the Nautila pedal, enable the effect with the FOOTSWITCH (the LED will light when the effect is enabled). Select the desired effect type (chorus or flange) with the toggle switch. Set the MIX control to the 12 o'clock position so you can clearly hear the effect. Adjust the SPEED knob for the desired modulation rate. Adjust the DEPTH knob for the desired effect intensity. Adjust the EMPHASIS knob to alter the tone (when chorus effect is selected) or adjust regeneration (when flanger effect is selected). Select the number of VOICES with the VOICES knob. Adjust the DRIFT knob to alter the modulation of the effect. You can re-adjust the MIX control for the desired blend of wet and dry signals.

FEATURES

- Selectable Chorus or Flange Effect
- Controls for Drift, Speed, Depth, Emphasis, Voices, and Mix
- Morphing Between Triangle, Logarithmic, and Sine Wave LFOs
- Up to 4 Flange or 8 Chorus Voices
- Momentary Speed Control by Pressing and Holding Footswitch During Performance
- True Bypass
- Stereo 1⁄4" Inputs & Outputs with True Stereo Processing
- Constant High Voltage Power Rails
- Effect On/Off LED Indicator
- Soft Touch Vacuum Switch
- Included StompLock™ & Pedalboard Hook & Loop Pad

USER INTERFACE

1. **Effect Type Selector Switch**
   Selects between the chorus or flanger effect.

2. **DC Power Jack**
   Connect the specified HARMAN power supply (sold separately) to this jack. Be sure to use the proper power supply for your area's mains line voltage. See *'Specifications' on page 9* for power supply model information. The Nautila can only be powered using the external power supply.

3. **Drift Knob**
   Varies the shape of the modulation sweep. This is a continuously variable, 360° control which allows for morphing between triangle, log/asymmetrical, and sine wave shapes.

4. **Emphasis Knob**
   This knob works differently depending on whether the chorus or flanger effect is selected. When chorus is selected, this knob provides a tone control for the chorus effect signal. Turning the knob up past the 12 o'clock position will enhance high frequencies in the effect signal, and turning the knob below the 12 o'clock position will reduce high frequencies in the effect signal. When flanger is selected, this knob will control the regeneration (the amount of effect signal fed back into itself), which dramatically enhances the flanger's harmonics during its sweep.

5. **Voices Knob**
   Selects the number of effect voices. At the minimum position a single voice is used. The maximum position provides 4 voices for the flanger effect or 8 voices for the chorus.

6. **Input 1 (Mono)**

   Use this jack when only a single connection is needed. Connect your instrument, the output of a pedal, or an amp effects send to this jack. Signals are heard at both outputs when only this jack is used.

7. **Indicator LED**

   This LED lights red to indicate when the effect is turned on.

8. **Input 2**

   Connect a second input to this jack for stereo operation. Inputs 1 and 2 are processed separately through the effect then fed to Outputs 1 and 2, keeping true stereo separation between channels.

9. **Footswitch**

   Turns the effect on or off.

10. **Mix Knob**

    Controls the amount of effect added to the dry (unprocessed) signal. Turn this knob clockwise for more effect or counter-clockwise for less effect.

11. **Speed Knob**

    Controls the rate of the modulation effect. Turn the knob clockwise to increase the rate or counter-clockwise to decrease the rate.

    The speed of the modulation effect can be altered during performance by pressing and holding the Footswitch while the effect is on. The Nautila's LED will turn green and the speed will be altered for as long as the FOOTSWITCH is held.

    If the SPEED knob is set in the slow range, the modulation speed will increase while the FOOTSWITCH is held. If the SPEED knob is set in the fast range, the modulation speed will decrease while the FOOTSWITCH is held.
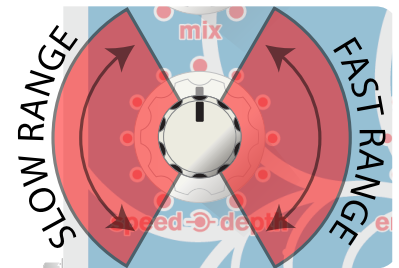
    When the Footswitch is released, the LED will turn red again and the speed will return to the speed set by the SPEED knob.

12. **Depth Knob**

    Controls the intensity of the effect. Turn this knob clockwise for more intensity or counter-clockwise for less intensity.

13. **Output 1 (Mono)**

    Connect this output to the input of a single guitar amplifier or amp effects return.

14. **Output 2**

    Connect this output to the input of a second guitar amplifier when a second amp is being used. When only the Input 1 (Mono) jack is connected, guitar and effect signal can be heard in both Outputs 1 and 2 when they are used.
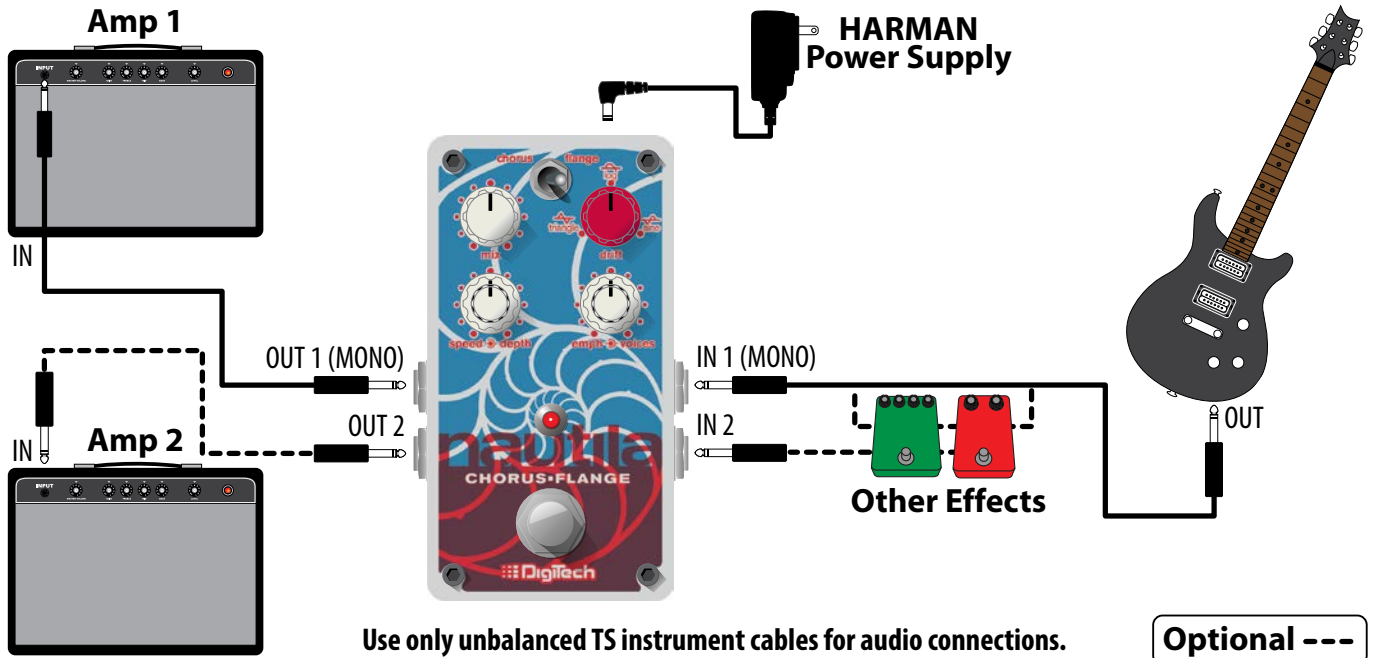
MAKING CONNECTIONS/APPLYING POWER

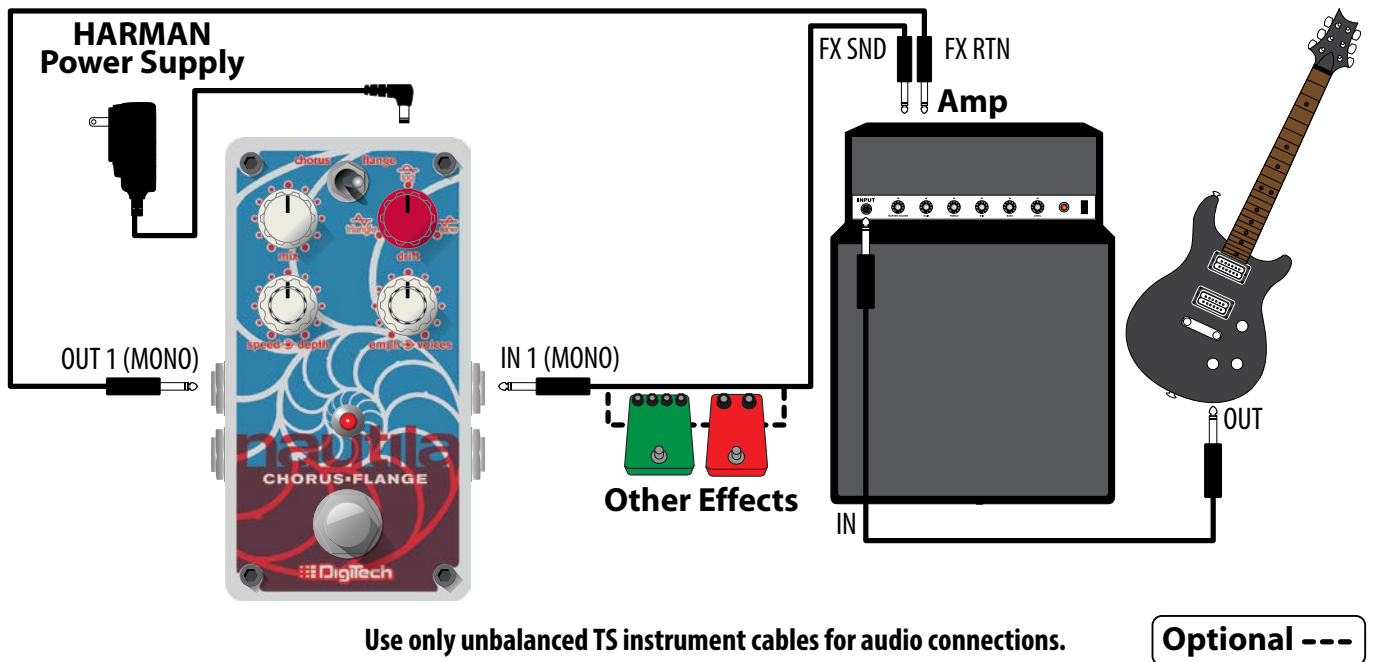To connect the Nautila pedal to your rig:

1. Turn down the amplifier's master volume control.

2. Make all audio connections to the Nautila as shown in *'Connection Diagrams' on page 5.*

3. Connect the appropriate HARMAN power supply (sold separately) to the POWER input connector and connect the other end to an available AC outlet.

4. Strum your guitar and gradually increase your amplifier's master volume control until the desired level is achieved.

CONNECTION DIAGRAMS

Mono/Stereo Amplifier Setup

Amp 1

HARMAN Power Supply

IN

OUT 1 (MONO)

OUT 2

IN

Amp 2

IN 1 (MONO)

IN 2

Other Effects

OUT

CHORUS·FLANGE

Use only unbalanced TS instrument cables for audio connections.

Optional ---

Amplifier Effects Loop Setup

HARMAN Power Supply

FX SND   FX RTN

Amp

OUT 1 (MONO)

IN 1 (MONO)

Other Effects

CHORUS·FLANGE

IN

OUT

Use only unbalanced TS instrument cables for audio connections.
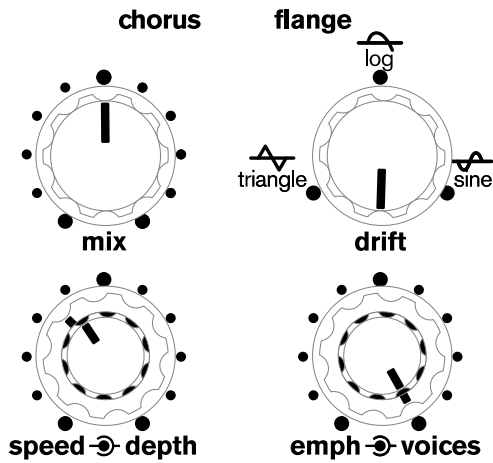
Optional ---

NOTE: If the amp effects loop has a mix control, set the mix to 100% full wet.

EXAMPLE SETTINGS

Try these settings to get started.
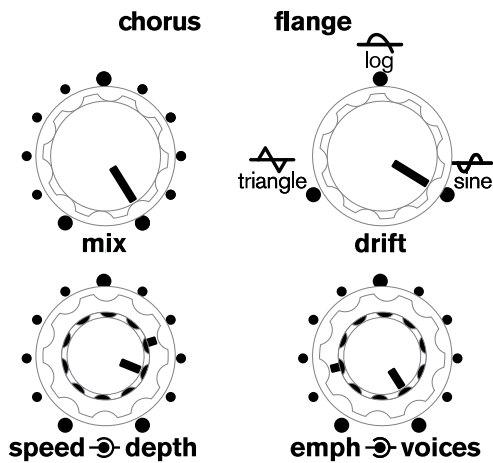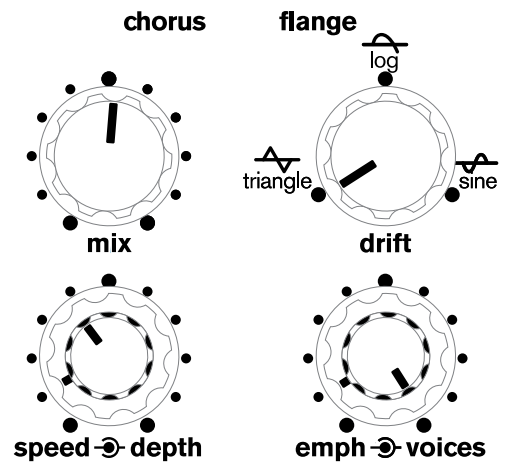
Flange Wash

chorus   flange

mix   drift

speed ◑ depth   emph ◑ voices

Warm Lush Chorus

chorus   flange

mix   drift

speed ◑ depth   emph ◑ voices

Bright Vibrato

chorus   flange

mix   drift

speed ◑ depth   emph ◑ voices

Jet Flange

chorus   flange

mix   drift

speed ◑ depth   emph ◑ voices
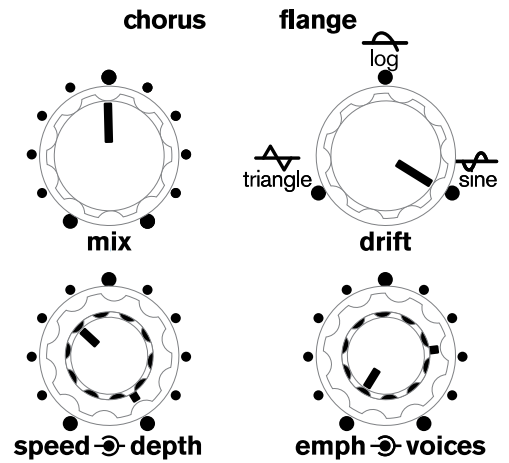
PERFORMANCE ACCESSORIES

The performance accessories make integrating the Nautila pedal into any pedalboard a snap. The following accessories are included:

- **Hook-and-loop Pedalboard Pad**
  (designed to attach to the surfaces found on most commercial pedalboards)
- **StompLock™**
  (keeps your settings where you want them)

Hook-and-loop Pedalboard Pad

To attach the Pedalboard Pad, do the following:

1. Peel off the existing rubber skid pad from the bottom of the pedal.

2. Peel the adhesive protector from the back of the Pedalboard Pad.

3. Apply the Pedalboard Pad to the bottom of the pedal.

StompLock™

The included StompLock lets you lock your settings in place, while the open-top design lets you see your settings.

To place the StompLock over the pedal knobs:

1. Set the knobs to your preferred settings.

2. Orient the StompLock so that it lines up with the knobs and gently push it over the top of the knobs.

3. To remove the StompLock, grip it from the sides and gently lift it up and off the knobs.

SPECIFICATIONS

Interface

Controls:	Mix, Drift, Speed, Depth, Emphasis, Voices, Effect Type, Effect On/Off
Jacks:	Input 1 (Mono), Input 2, Output 1 (Mono), Output 2

Inputs

Input Impedance:	Effect on: >1 MΩ (stereo), >500 kΩ (mono)
	Effect off: True hardwire bypass

Outputs

Output Impedance:	Effect on: 1 kΩ
	Effect off: True hardwire bypass

Physical

Dimensions:	4.40" (L) x 2.65" (W) x 2.0" (H)
Weight:	1.0 lb.

Power

Power Requirements:	9V DC external power supply
Power Consumption:	1.2 W (< 125 mA @ 9V DC)
Current Draw:	125 mA (typical at 9V DC)

Recommended Power Supply (Sold Separately)

Power Supply Model:	PS0913DC-01 (US, JA, EU)
	PS0913DC-02 (AU, UK)
	PS0913DC-04 (US, JA, EU, AU, UK)
Power Supply Polarity:	⊕——©——⊖
Power Supply Output:	9V DC 1.3 A

Specifications subject to change without notice.

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PHONE: (801) 566-8800

WEB: digitech.com

SUPPORT: digitech.com/en-US/support

Nautila Owner's Manual
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