



# Nomad Deluxe Owners manual

Powered by **DigiTech** *Audio* **DNA™**



**Fernandes Guitars**  
8163 Lankershim Boulevard  
North Hollywood, CA 91605  
[www.fernandesguitars.com](http://www.fernandesguitars.com)  
E-Mail: [info@fernandesguitars.com](mailto:info@fernandesguitars.com)  
Phone: 818-252-6799

Copyright © 2002 Fernandes Guitars International Inc.

# Usage And Safety Precautions:

In this manual, symbols are used to highlight warnings and cautions for you to read so that accidents can be prevented. The meanings of these symbols are as follows:



**Warning**

This symbol indicates explanations about extremely dangerous matters. If users ignore this symbol and handle the device the wrong way, serious injury or death could result.



**Caution**

This symbol indicates explanations about dangerous matters. If users ignore this symbol and handle the device the wrong way, bodily injury and damage to the equipment could result.

Please observe the following safety tips and precautions to ensure hazard-free use of the NOMAD DELUXE.



**Warning**

## ABOUT POWER

Since the power consumption of this unit is fairly high, we recommend the use of an AC adapter whenever possible. When powering the unit from a battery, use only an alkaline type.

### AC adapter operation

Be sure to use only an AC adapter which supplies 9V DC, 300 mA and is equipped with a center minus plug. The use of an adapter other than the specified type may damage the unit and pose as a safety hazard.

Connect the AC adapter only to an AC outlet that supplies the rated voltage required by the adapter. When disconnecting the AC adapter from the AC outlet, always grasp the adapter itself and do not pull at the cable.

If the unit is not to be used for a long time, disconnect the AC adapter from the outlet.

### Battery Operation

Use only a 9V alkaline battery.

If the Nomad Deluxe is not to be used for an extended period of time, remove the battery from the unit.

If battery leakage has occurred, wipe the battery compartment and the battery terminals carefully to remove all remnants of battery fluid. While using the unit, the battery compartment should be closed.



**Caution**

## ENVIRONMENT

Avoid using your NOMAD DELUXE in environments where it will be exposed to:

- Extreme temperature
- High humidity or moisture
- Excessive dust or sand
- Excessive vibration or shock.



**Caution**

## HANDLING

\* Take care that no foreign objects (coins or pins etc.) or liquids can enter the unit. Be sure to turn the power to all equipment off before making connections. Before moving the unit, turn the power off, and disconnect all cables and the AC adapter.



**Caution**

## ALTERATIONS

Never remove the backplate of the NOMAD DELUXE or attempt to modify the product in any way since this can result in damage to the unit and will void your warranty.

## Usage precautions

## ELECTRICAL INTERFACE

For safety considerations, the NOMAD DELUXE has been designed to provide maximum protection against emission of electromagnetic radiation from inside the device, and from external interference. However, equipment that is very susceptible to interference or that emits powerful electromagnetic waves should not be placed near the NOMAD DELUXE, as the possibility of interference cannot be ruled out entirely.

Whatever the type of digital control device, the NOMAD DELUXE included, electromagnetic damage can cause malfunctioning, and can corrupt or destroy data. Since this is an ever-present danger, thorough care should be taken to minimize the risk of damage.

## ELECTRICAL INTERFACE

Use a soft, dry cloth to clean the NOMAD DELUXE. If necessary, slightly moisten the cloth. Do not use abrasive cleanser, wax, or solvents (such as paint thinner or cleaning alcohol), since these may dull the finish or damage the surface.

Connecting cables and input and output jacks:

You should always turn off the power to the NOMAD DELUXE and all other equipment before connecting or disconnecting any cables. Also make sure to disconnect all cables and the AC

## Index:

Outline:	1
Features:	1
Packing List:	1
Options:	1
Warranty / Service:	2

### SECTION 1 Quick Reference

How To Turn On and Adjust The Volume:	3
Selecting Presets:	4
Bypass:	4
How To Use the Tuner:	13
How To Use The Expression Knob:	15
How To Use The Control Pedal:	15
Replay Rhythm Pattern:	12
Outline of Editing Presets:	16
Saving Presets:	16
How To Backup User Data:	6
Setting The Noise Gate:	6
Parts Names	
1. Display:	7
2. Matrix LED:	7
3. Select Button:	7
4. Store Button:	7
5. Rhythm Button:	7
6. Preset UP Button:	8
7. Preset DOWN Button:	8
8. Gain Knob:	8
9. Amplifier Type Knob:	8
10. Master Level Knob:	8
11. Power Switch:	8
12. Expression Knob:	8
13. Expression Pedal Input Jack:	8
14. Power Jack:	8
15. Output Jack:	8
16. Power LED:	8
17. Battery Box:	8
Example Connection:	9
Headphone Monitor:	9
Mono Setup:	9
Stereo Setup:	10
Recording Setup:	10
Expression Pedal Connection:	15
Nomad Deluxe Power Supply:	11
Internal Battery:	11
Power On Notes:	11

## **SECTION 2 Operation**

About Presets:	12
Performance Mode:	12
Bypass Mode:	12
Rhythm Mode:	12
Tuner Mode:	13
Edit Mode:	14
Store Mode:	14
Expression Knob:	15
Expression Pedal:	15

## **SECTION 3 Editing Presets**

Preset Edit:	16
Matrix:	16
Edit Order:	16
Store Programs and Copy:	16

## **SECTION 4 FX and Parameter Explanation**

Pickup / Wah:	17
Pickup Simulator:	17
Wah:	18
Compressor:	19
Amp Model:	20
EQ:	20
Cabinet / Gate:	20
Cabinet Modeling:	20
Noise Gate:	20
Effects:	21
Chorus:	21
Flange:	21
Phaser:	21
Tremolo:	21
Auto Pan:	21
Vibrato:	22
Rotary Speaker Simulator:	22
Auto Wah:	22
Envelope Filter:	22
Detune:	22
Pitch Shifter:	22
Whammy:	23
Delay:	23
Reverb:	23

## **SECTION 5 Additional information**

Factory Presets:	24
Nomad Deluxe Specifications:	24
Nomad Deluxe Preset Data Sheet:	26
List of Factory Presets:	25

**Nomad Deluxe Outline:**

Thank you for purchasing Fernandes Nomad Deluxe! The Nomad Deluxe is a groundbreaking guitar with a built-in amplifier using DigiTech<sup>®</sup> revolutionary "Audio DNA" signal processing technology, which is powerful, flexible, and easy to use.

**Nomad Deluxe features:**

- The Nomad Deluxe features a genuine DigiTech<sup>®</sup> "Audio DNA" signal processor, giving you an incredible range of tonal options.
  
- Digital amp modeling which gives you the sound characteristics of different legendary amps.
  
- You can combine the many different effects to create up to 40 unique patches and save them for instant recall whenever you need them. In addition, you also have 40 preset factory patches to choose from, giving you a total of 80 patches!
  
- On board tuner.
  
- Built in Drum machine.
  
- You can control Whammy<sup>®</sup>, Wah, Volume, and other functions by using the onboard expression knob or an expression pedal. (Expression pedal not included.)
  
- AC power supply included.

The following are included with the Nomad Deluxe:

- Gig bag.
- AC power supply.
- Nomad Deluxe owner's manual.
- Fernandes owner's manual and Warranty card.
- Adjustment tools (1.5mm wrench, 5mm wrench)

The following accessories can be ordered for the NOMAD Deluxe:

- Hard Case Part#: FMC-N
- External Battery Pack with strap Part#: NMD02BPS
- Replacement Nomad Deluxe AC Power Supply Part#: NMD02PS

To find a dealer go to [www.fernandesguitars.com](http://www.fernandesguitars.com)

## **WARRANTY INFORMATION**

The Nomad Deluxe is backed by a Limited Lifetime Warranty.

-Please be sure to sure to completely fill out your warranty card and mail it to Fernandes within 10 days of purchase.

-There are no user serviceable parts inside the Nomad Deluxe please see a qualified repair person for repairs.

-In order to reduce the risk of fire or electric shock, don't expose the Nomad Deluxe to rain or water.

### **Warranty Terms:**

To validate the Limited LIFETIME WARRANTY, the Warranty Registration Card must be completed and returned to Fernandes Guitars within ten days of purchase. While under warranty, all replacement parts and labor will be provided without charge. This warranty is to the original purchaser and may not be transferred. Should your Fernandes product require service, you must contact the Fernandes dealer you purchased the product from. The Fernandes dealer will determine if the product can be repaired at their location or if the product needs to be returned to Fernandes Guitars. The dealer must contact Fernandes Guitars for a return authorization number. Next, securely pack the product along with a copy of the original sales receipt and then write the R.A. number on the outside of the shipping carton. All transportation charges are the responsibility of the purchaser. This warranty does not cover damage caused by misuse, accident, neglect or normal wear and tear. Determination of all such damage shall be by Fernandes Guitars.

Fernandes Guitars reserves the right to repair or replace defective products. In the event a duplicate part or instrument is no longer available, Fernandes Guitars will replace the part or product with one of equal or greater value. Fernandes Guitars is not responsible for any incidental or consequential damages resulting from any defect or failure of the product, other than the repair or replacement of the product under the terms of the warranty. This warranty gives the purchaser specific legal rights, which vary from state to state, and is in lieu of any and all other warranties or agreements either expressed or implied, except as may otherwise be required by law.

## **Fernandes Nomad Deluxe Quick Reference:**

This section will quickly acquaint you with the features of the Nomad Deluxe.

Power-supply input and volume control: Page 11

1. When the power switch is in the up position the power is OFF.
2. When using the included power supply, connect the plug from a power supply to AC wall socket then plug the power supply into the power input jack of Nomad Deluxe.
3. When using a battery use only Alkaline batteries.
4. When using headphones, or when using the NOMAD Deluxe with a guitar amplifier, connect the apparatus before turning the power ON. Refer to Page 9 for details on using the Nomad Deluxe with an amplifier or other devices.
6. When the power switch is in the down position the power supply is ON.
7. The Expression knob is at its maximum setting when turned completely clockwise.
8. Volume is also controlled by using the master level knob.

Gradually turn the Master knob clockwise and set it to a volume that you are comfortable with.

\*When using built-in amplifier, feedback may be caused if the volume is raised too high, since the speaker is very close to the pickup, So if the Nomad feeds back, simply lower the volume control. Some legendary guitar players have even been able to use feedback to create beautiful music! Give it a try!!

\*Distorted tones tend to feed back easier than clean tones do. If the instrument feeds back only on certain presets, you can eliminate it by turning down either the Gain or Master knobs. (Turning down the gain knob will decrease distortion, so if you like the tone you are getting and just want to get rid of feedback, turn down the Master knob.)

## Selecting pre-sets: (refer to Page 12)

1. Using the Preset UP and DOWN buttons you can scroll through the patches.
2. To scroll through the patches quickly press and hold down the Preset UP or Down button until you arrive at the desired patch.
3. Distortion is controlled by the gain knob and volume can be controlled by adjusting the master level knob or by selecting different amplifier models with the amp type knob.

## Bypass: (refer to Page12)

1. Pressing the preset UP and DOWN buttons simultaneously engages the bypass mode, bypassing all effects -- the pickup of nomad goes direct when the Nomad is in the bypass mode, "by" will appear in the display.
2. To exit the Bypass Mode and to return to the last preset, press either the Preset UP or DOWN buttons.

## How to use the tuner: (refer to page13)

1. Press and hold down the preset UP and DOWN buttons simultaneously after 2 seconds the Nomad Deluxe will advance to the tuner mode and "TU" will appear in the display window. When tuning the reference note can be changed using a gain knob.
2. Pick a single note, the tuning of that note will appear in the display. When the center LED is lit in green the string is in tune with the note in the display. The LED s to the left of the Green LED indicate Sharp # and the LED s to the right indicate flat b.
3. To switch from the tuning mode back to the playing mode press either the Preset UP or DOWN button.

## How to use the Expression knob: (refer to page 15)

\*The Expression knob of the Nomad Deluxe is a parameter control. When the expression knob is engaged it does not function like a volume control on a common electric guitar.

1. Usually, an Expression knob can adjust a pre-set level (volume).
2. When the wah is turned on, it functions like a wah pedal automatically.
3. When whammy is turned on it changes to whammy control automatically.

\*When the below-mentioned Expression pedal is connected the Expression knob stops functioning.

## How to use an expression pedal with the Nomad Deluxe: (refer to page 9)

1. A wah, whammy, and a volume pedal function can be added by connecting a passive volume pedal to the side panel of the Nomad Deluxe. (The expression pedal will have the same function as the Expression knob)
2. When the expression pedal is connected to the jack the Wah, Whammy or volume functions will automatically be transferred to the pedal if they are activated.

## Reproduction of a rhythm pattern: (refer to 12 pages)

1. A drum machine is built into the Nomad Deluxe. Press the rhythm button and a rhythm pattern will start.
2. The Rhythm pattern can be changed by turning the gain knob. Tempo can be changed by turning the amplifier type knob. The volume of a rhythm can be adjusted by turning the master level knob.
3. Pressing the rhythm button stops the rhythm pattern.

## Outline of pre-set editing: (refer to 14, 16 pages)

The procedure for editing the sound of the Nomad Deluxe to your liking is as follows.

1. The LED Display in which the effect to be edited is displayed is made to turn on using the selection button.
2. After the select button is pressed the gain knob, amplifier type knob, and master knob are activated for editing the presets.
  1. Advance to the next group of presets by pressing the select button again.
  4. Store new presets by pressing the store button.
  5. To escape from editing mode pressing and holding the selection button, this returns the Nomad Deluxe to the performance mode.

## Saving new presets: (refer to 14, 16 pages)

By saving a preset in the memory of the Nomad Deluxe, the new preset can be called up again, even if the power is turned OFF.

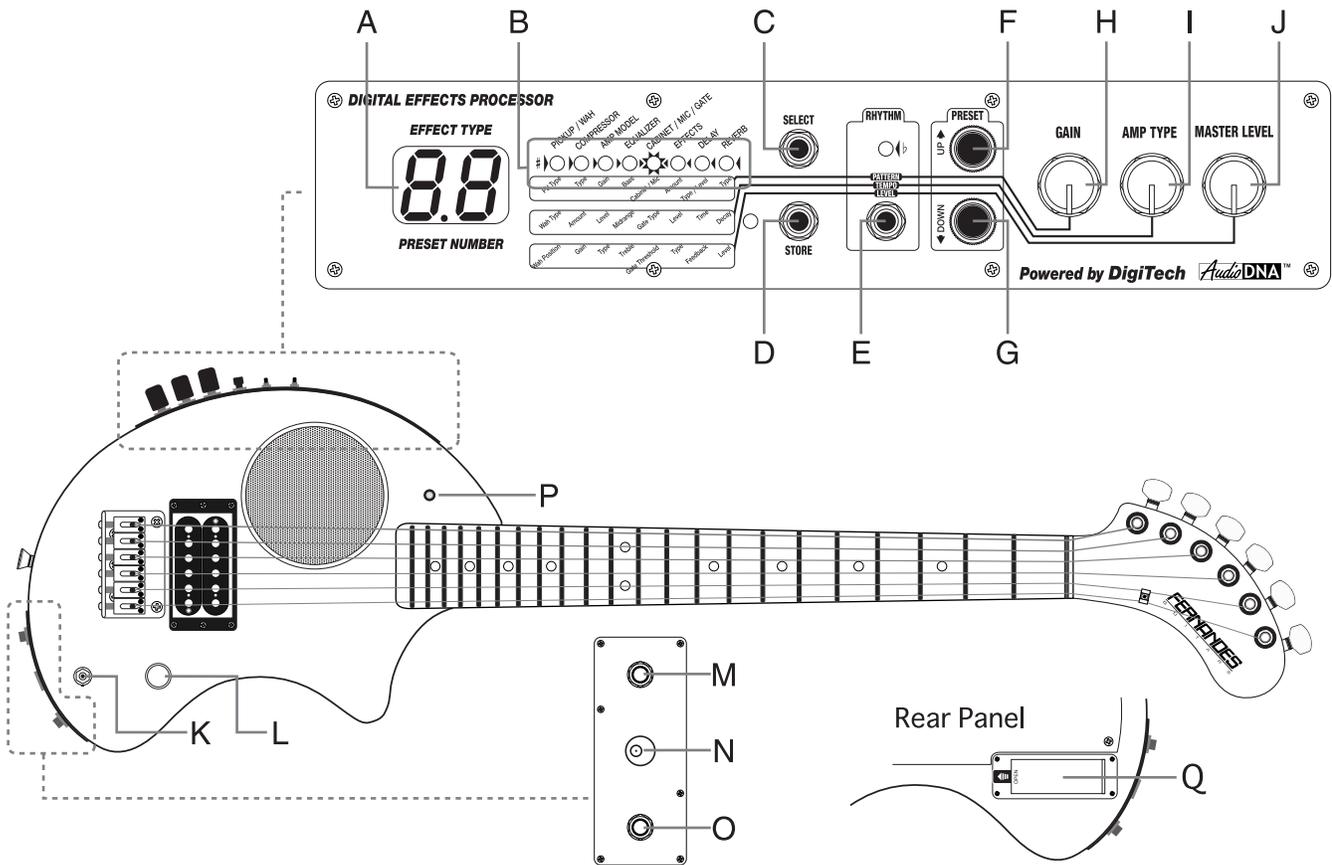
1. Press the store button and the pre-set number will blink.
2. Use preset up and down buttons to select the preset number you want to save.
3. Press the store button again and the preset is saved.

## Backing up preset data:

A Maximum number of 40 can be stored in the Nomad Deluxe. On page 26 of this manual there is a chart for writing down your presets to protect them from accidental loss.

## Noise gate setup:

The Nomad Deluxe is equipped with a noise gate. The factory presets have the noise gate set at the optimum settings for standard performance, however you may want to adjust them to your own taste. Careful adjustment of the noise gate is necessary to obtain useable results. If the noise gate is set to high it no sound will come from the instrument, or the sustain of the notes will become very short. If the noise gate is set to low buzzing sounds will be heard after the strings of the instrument have completely stopped moving. The noise gate should be set to engage right when the strings stop moving and sound can no longer be heard coming from the instrument.



The name and role of each part:

**A: Display**

The display shows information about the mode the Nomad Deluxe is in. In the performance mode (See page 12), the pre-set number chosen will be displayed. In the edit mode either the type of effect or the level of the effect will be displayed (see page 14).

**B: LED Matrix**

This area displays the current preset and the related information when parameters are being edited. The effects in use are shown by lighting of LED in the performance mode. (see page 12). The effect to be edited are shown by lighting the Led in the edit mode. (see page 14). In the tuning mode the status of the note being tuned is shown. (See page 13).

**C: Select Button**

This button is used to enter or escape the edit mode. After entering the edit mode the select button is also used to select the effect to be edited (see page 16).

**D: Store Button**

This button saves the customized presets into memory (see page 16).

**E: Rhythm button**

This button is used to enter and escape (start/stop) the rhythm mode (drum loop function). In rhythm mode the LED lights up in time with the rhythm (see page 12 for details).

**F: Preset up button**

**G: Preset down button**

These buttons have different functions depending upon which mode the Nomad Deluxe is in, please refer to each mode description for details.

**K: Power switch**

Turns on or off the Nomad Deluxe. To turn the Nomad Deluxe on place the switch in the down position, to turn it off place the switch in the up position.

**L: Expression Knob**

Although this knob generally functions as a volume, when a preset is selected that has a Wah or a Wahmmy active it controls these effects.

**M: Expression Pedal input jack**

The output of a commercial passive (No battery is used) volume pedal is connected to this jack, and the wah, whammy, and volume are controlled by the volume pedal(see the 9 pages for details). The Expression knob stops functioning when a pedal is being used with this jack.

**N: Power jack**

This is where the Nomad Deluxe Power supply is connected for using the unit with out batteries. Every Nomad Deluxe includes a power supply with purchase.

**O: Output jack**

This jack is used to connect the Nomad Deluxe to an external amplifier. This jack can also be used as a headphone jack. When using headphones, we recommend you use a cabinet modeling function.

**P: Power LED**

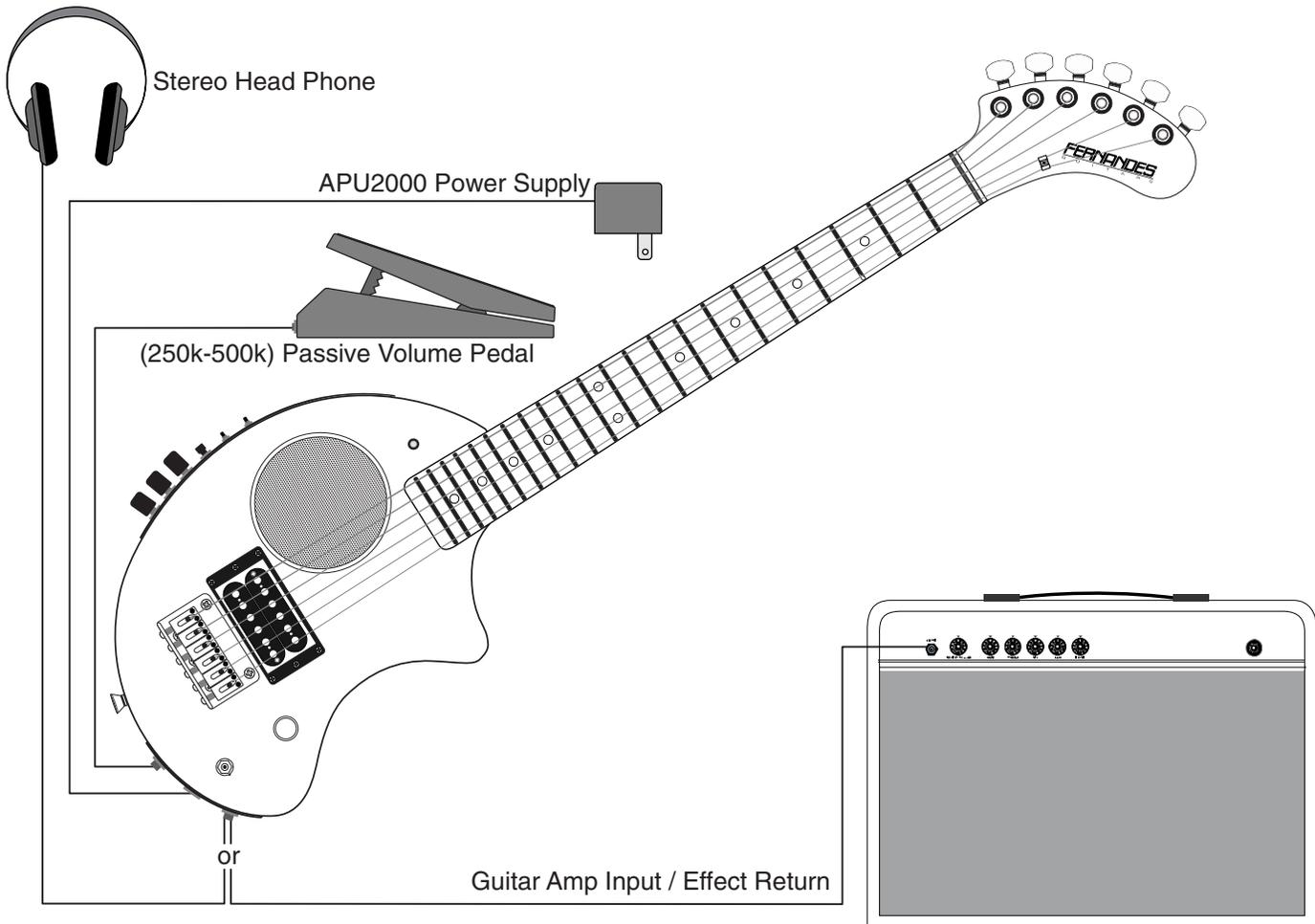
When the Nomad Deluxe is on the LED will be on.

**Q: Battery Box**

The Nomad Deluxe can be powered by a 9-Volt Alkaline Battery. Average battery life for a 9-Volt alkaline battery is about 30 minutes (Use only Alkaline batteries, other types of batteries do not generate enough power to make the Nomad Deluxe function properly).

### Example connection:

Although Nomad Deluxe is equipped an internal speaker it can also be used with an external amplifier.

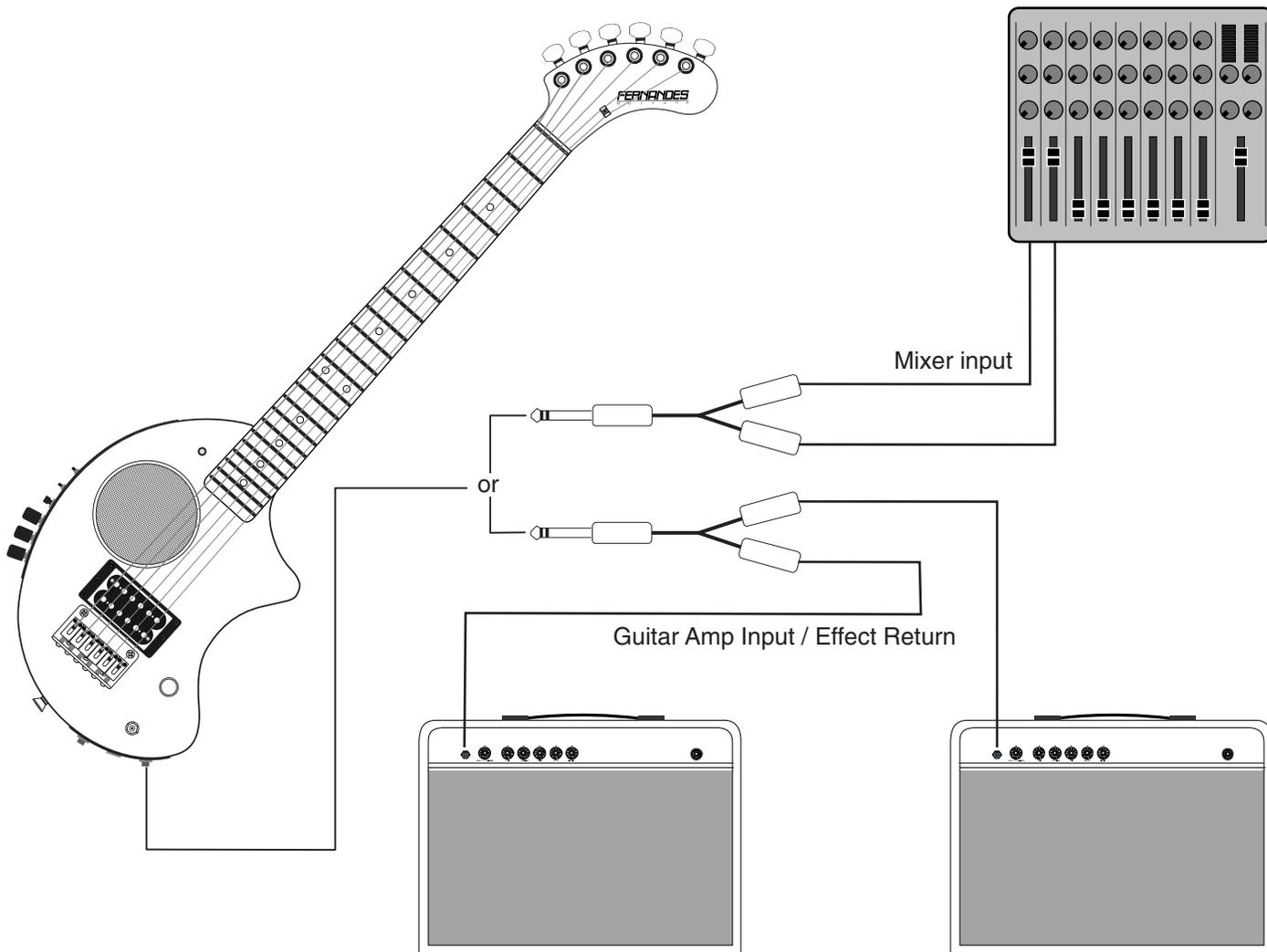


### Head phone connection:

The output jack of the Nomad Deluxe also has the dual purpose of functioning as a headphone jack. When a headphone is plugged into this jack the internal speaker is disconnected.

### Stereo setup:

All the digital effects of the Nomad Deluxe can be enjoyed in stereo. The output jack of Nomad Deluxe corresponds to a TSR stereo plug, and stereo output can be obtained by using a commercial stereo Y type cable.



### Recording setup:

Since the output jack of the Nomad Deluxe is line level, connecting it with a mixer or a recorder direct is best for recording. The Nomad Deluxe can also simulate the sound of a cabinet by using the modeling function.

### Connection of an Expression pedal:

Volume, wah, and whammy functions can be controlled by connecting a commercial passive volume pedal (250k-500k) to the expression pedal input jack of the Nomad Deluxe. It is more convenient for a wah and whammy to use a pedal, although the same function can be controlled by the Expression knob on the front of the instrument. The expression knob stops functioning when an Expression pedal is connected.

## Nomad Deluxe Power Supply:

There are two choices for powering the Nomad Deluxe:

### Power supply from the included AC power supply :

The power supply connects to the AC jack located at the base of the instrument and then plugs into a wall outlet.

\* The Nomad Deluxe power supply is specifically designed for this unit. Do not use a power supply designed for another unit. Incorrect power supplies can destroy the Nomad Deluxe and void the warranty. If you lose or misplace your power supply please contact Fernandes Guitars to purchase a new unit.

### Power supply from a 9-Volt Alkaline battery :

Use only 9 Volt Alkaline batteries, Carbon batteries do not provide enough power to make the Nomad Deluxe properly. A fresh 9 volt alkaline battery will allow the Nomad Deluxe to function for about 30 minutes continuously. The battery box which stores the battery is located at the back of the Nomad Deluxe.

If a battery is dead or dying the following symptoms will appear:

(These symptoms often give the appearance that the Nomad Deluxe is malfunctioning, but it is often a dead battery)

1. The display will become dark.
2. The display will not correspond to the sounds being produced.
3. Sound stops coming out of the speaker or cuts in and out intermediately.
4. Noise level increases.
5. A clicking sound can be heard from the speaker.

power-supply and other connection notes:

AC Power Supply Connection: Turn OFF the power supply when connecting the battery or the AC power supply.

Expression Pedal Connection: Turn OFF the power supply when connecting an Expression pedal.

Head Phone Connection: Turn OFF the power supply and turn the volume to Zero prior to connecting headphones to the headphone jack.

External Amplifier Connection: Turn OFF the power supply when connecting the output jack to an external amplifier, also turn off the power when changing the connections such as connecting F/X pedals.

Do not use an extension cord with the Nomad Deluxe power supply, the power supply should be connected directly to the wall outlet.

## Section 2. Operation

### About Pre-sets:

User Presets are numbers 1-40 and factory presets are numbers 41-80.

User presets (number 1-40) are presets that a user can rewrite the contents of freely. Factory presets (number 41-80) are sample presets which a user cannot overwrite. A copy of factory presets is programmed into user presets at the factory, and they are numbers 1 and 40.

The selection of presets is very simple. Press the preset up button and the preset number will increase, and a preset down button will decrease the preset number. To scroll through the presets at high speed press and hold down the preset up or down button.

### Performance mode:

The Performance mode is engaged immediately after the power of the Nomad Deluxe is turned on. In performance mode, the volume on the face of the instrument is active as well as the gain, amp type and master level controls on the side of the instrument.

### Bypass mode:

A bypass mode can be accessed by pressing the preset up button and a preset down button simultaneously. When the Nomad Deluxe advances into a bypass mode, all effects will be bypassed. When the Nomad Deluxe in the bypass mode the display will read "by". In order to escape from the bypass mode and to return to the last state, push the preset up or down buttons simultaneously once again.

### Rhythm mode:

Drum patterns are programmed into the Nomad Deluxe, these are useful for improving your meter or for just jamming along to a drum beat. The rhythm mode can be accessed by pushing a rhythm button which starts the rhythm. It can escape from the rhythm mode by pushing a rhythm button once again. The LED above the rhythm button flashes when you are in the Rhythm mode.

The pattern, tempo, and rhythm level can be adjusted in rhythm mode.

The rhythm pattern can be changed using the gain knob.

Rhythm tempo can be changed using an amplifier type knob.

Rhythm level can be changed using a master level knob.

## Tuner mode:

To access the tuner mode press and hold the preset up button and the preset down button simultaneously for about 2 seconds. When in tuner mode the display will say "tu" when no note is being played, when a note is played the display will show the note being played (E,A,D,G etc ).

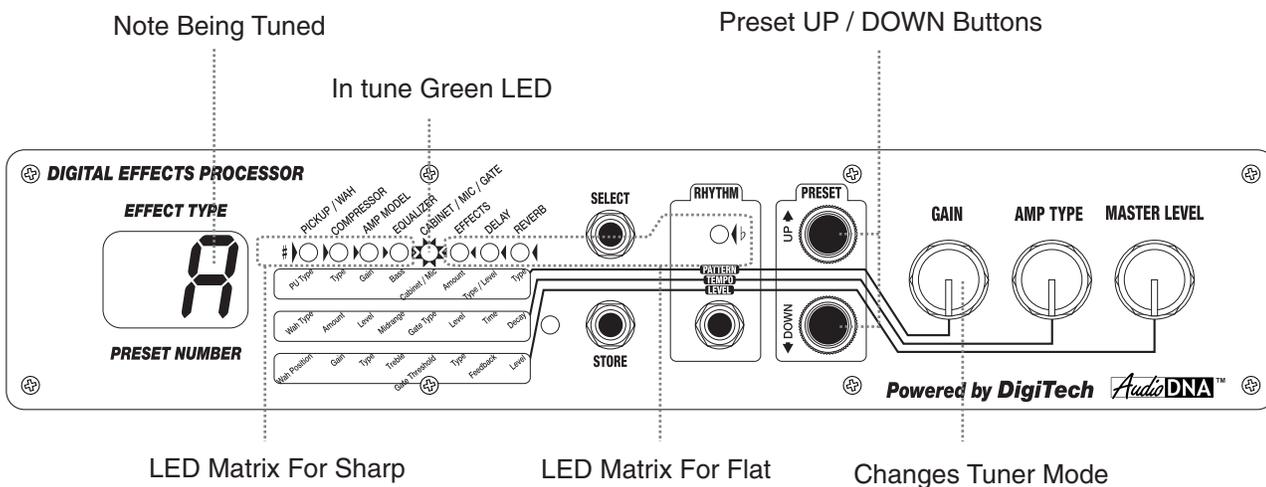
Sharp or flat is displayed by the LED matrix (when not in the tuner mode these same LED s show what FX you are using).

When a note is exactly in tune the letter of the note will appear in the display and the green LED (Cabinet/Mic/Gate) will be illuminated. If the note is sharp the LED s to the left of the green LED will be illuminated, if a note is flat the LED s to the right of the green LED will be illuminated.

In order to escape from tuner mode and to return to the last state, push the pre-set up or down button.

Tuning reference can be changed by using the gain knob when in the tuner mode. Turn the gain knob and the display will indicate 1 of 4 different tuning options:

Tuning	Display Will Indicate
Standard Tuning, A= 440Hz	40
Detuned 1/2 Step, A= 415Hz	Ab
Detuned 1 Whole Step, A= 392Hz	9
Detuned 1 and 1/2 Steps	A= 369Hz 96



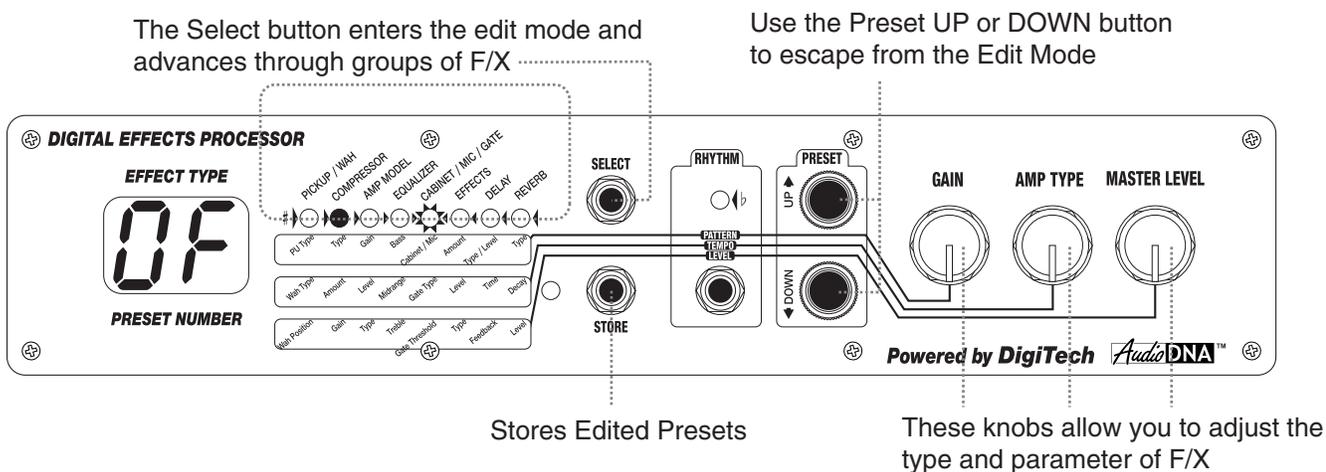
Edit mode:

Edit mode is for editing the user presets to sounds of your own design. Enter the edit mode by pressing the select button, the LED indicating Pickup/ Wah will begin flashing. The pickup Type, Wah Type and Wah position can now be adjusted using the three knobs on the side of the Nomad Deluxe. Pressing the select button again advances you to the next group of F/X.

When you have completed the adjustments you wish to make press and hold the select the button to escape from the edit mode. By pressing the preset up or down button the contents of the edit you are in will return to the state they were in prior to editing and return you to the performance mode.

If you wish to save the alterations you have made to this patch press the store button twice and the patch will be saved.

Refer to page 16 for editing details.



Store mode:

If a preset that has been edited is not stored it will be erased when the Nomad Deluxe is turned off. If you want to save a preset push the store button twice and the preset will be stored. Refer to 16 pages for details.

## Expression Knob:

Real-time control of effects parameters can be carried out by the Expression knob on the front of the Nomad Deluxe. A parameter can be assigned to the expression knob under the following circumstances.

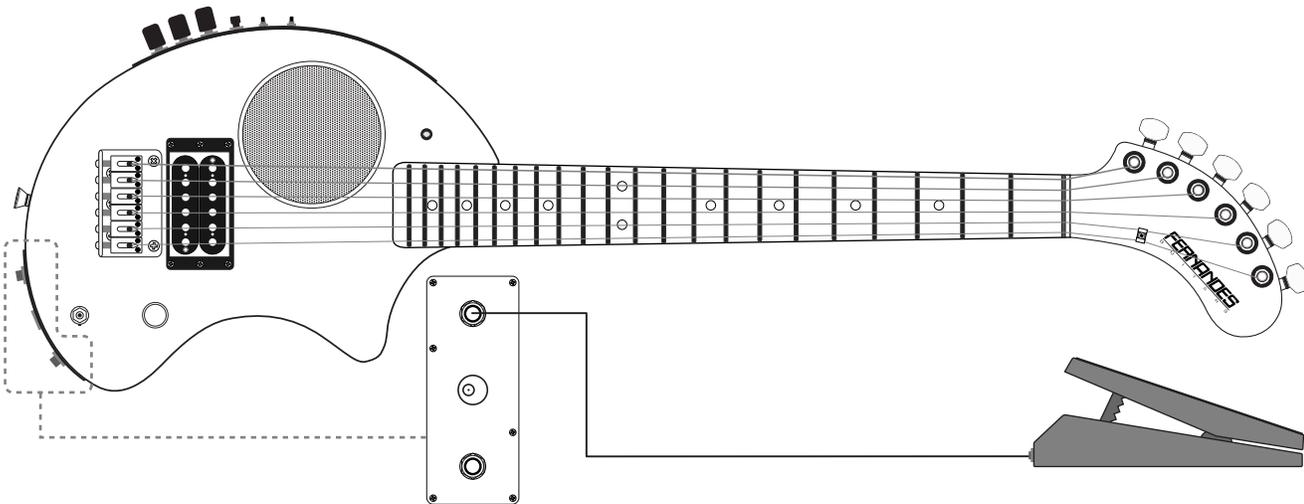
Wah functions as a wah knob when the Wah preset is ON.

Whammy functions as whammy knob when the Whammy pre-set is ON.

Wah and Whammy function on the expression knob when both presets are ON.

## Expression pedal:

By connecting a passive volume pedal (any pedal that uses a 250k — 500k pot and does not use a battery) to the Expression pedal input jack of the Nomad Deluxe using a mono cable, the function of the expression knob can be assigned to the pedal. When the expression pedal is connected the expression knob will stop functioning.



## Expression Pedal Connection Procedure:

1. Turn off the power switch.
2. Connect the pedal to the input jack.
3. Turn on the power switch.

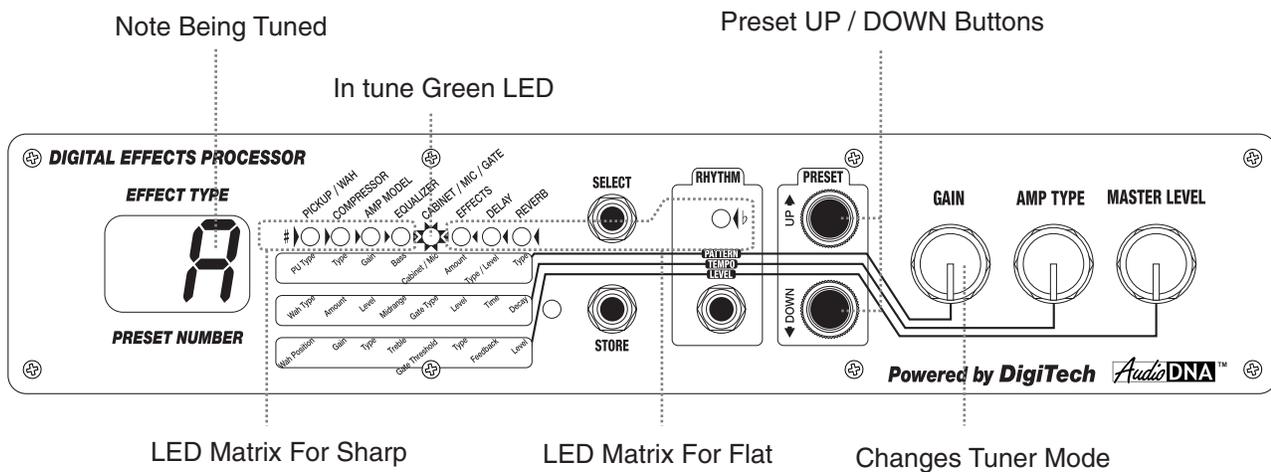
**IMPORTANT:** It is necessary to connect the expression pedal when the power is off in order to make the expression pedal function properly with the Nomad Deluxe.

## Section 3

### Editing and Storing presets:

The user pre-sets of the Nomad Deluxe can be edited according to the users liking, and saved. The process for preset editing is very simple.

1. The preset to be edited should be selected using the Preset up or down button.
2. Press the select button once and the Pickup / Wah LED will start flashing and the LED Matrix will display the name of the Effect being edited. Refer to the F/X list to help identify the different F/X.
3. The Gain, Amp type and Master Level knobs on the side of the Nomad Deluxe are now activated and they change the parameters of the 3 "F/X" below the Pickup / Wah LED. In this case the knobs function as follows:  
Gain Knob: Selects the pickup type  
Amp Knob: Selects the Wah Type  
Master Level Knob: Selects the Wah Position
4. Pressing the select button again advances the blinking LED to the next group of F/X that can be adjusted.
5. When you have finished adjusting the F/X press either the preset up or down button to return to the performance mode.
6. If you would like to save these changes press the store button once, the preset number will start blinking. Make sure this is the preset you would like to save, then press the store button again and the preset will be saved (If you do not want to store this preset in the location displayed in the led matrix press the preset up or down buttons to advance to another preset, or the select button to escape from the store mode). If you do not save a preset that has been changed and you turn the Nomad Deluxe off the changes will be erased.



### How To Store a copy of a preset:

The following procedure is how to store a copy of a program in another location:

1. Select the preset you would like to copy using the preset up or down buttons.
2. Press the store button and the preset number will blink.
3. Use the Preset up or down button to advance to the preset location you would like to store a copy of the preset you have selected.
4. Press the store button again and the preset will be saved in the location you have selected.

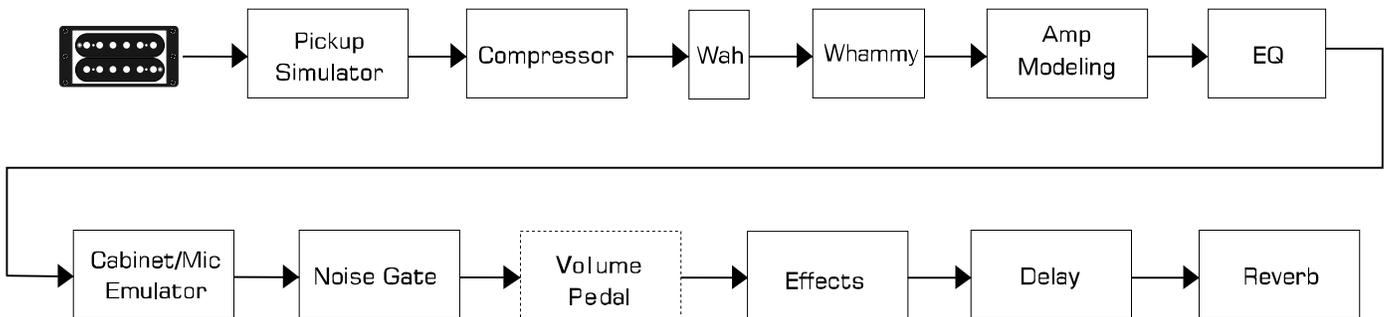
[www.fernandesguitars.com](http://www.fernandesguitars.com)

Copyright © 2002 Fernandes Guitars International Inc.

## Effects and Parameters

### About the Effects

The Nomad Deluxe can be thought of as several different "virtual" amplifiers, and individual, hi-tech stomp boxes. With stomp boxes, the order in which they are connected can make a big difference in how good the overall sound is. The following diagram shows the order of the effects contained in the Nomad Deluxe.



### Effect Definitions

Each Effect within the Nomad Deluxe can be programmed to suit your personal tastes and application. Understanding how these Effects will alter the sound, and how each Parameter will alter the Effect will help you achieve the sound you are looking for. The following overview of the Nomad Deluxe s effects outlines what each Effect and Parameter does.

#### Pickup Simulator:

The Pickup Simulator lets you get the thick tone of a humbucker pickup from a guitar with single coil pickups, or the bright edgy sound of a single coil pickup from a guitar with a humbucker. This allows you to have the best of both worlds without having to change guitars during a performance.

Pickup Type - The Parameter 1 knob selects the Pick Up type which will be simulated.

of - Turns the Pickup Simulator off.

hb - Gives a single coil pick up the warm tone of a humbucker.

sc - Gives a humbucker the unique sound of a single coil.

Wah:

Wah is an effect controlled by an Expression Pedal making the guitar sound as if it s saying "Wah."

Wah Type - The Parameter 2 knob selects the Wah Type.

of - Turns the Wah Effect off.

cr - Cry Wah is a traditional sounding Wah.

bt - Boutique Wah is a wider sweeping Wah with a more modern sound.

fr - Full Range Wah sweeps the entire spectrum of audible frequencies.

Wah Position - The Master level knob adjusts the Wah Pedal Position. Ranges from 0 (Clockwise) to 99 (counter clockwise).

Compressor

A Compressor is used to increase sustain, tighten up guitars, and prevent the signal from clip-ping the input of other effects. It sets a maximum boundary for the strength of a signal.

Comp Type - The Gain knob selects the Compressor Type (Attack).

of - Turns the Compressor off.

1 to 3 - Controls the length of time it takes for the Compressor to respond to a signal exceeding the boundary.

Amount - The Amp Type knob adjusts the Amount of Compression (ratio and sustain) and ranges from 1 (slight compression) through 20 (maximum sustain).

Gain - The Master Level knob adjusts the Output Gain from the Compressor. Ranges from 0 to 6 .

## **Amp Modeling**

The Nomad Deluxe was the first guitar to have builtin Modeling. Units were shipping in December 2001! Amp Modeling is a technology which applies the tone of several popular modern and vintage amps. Amp Modeling also includes an acoustic guitar simulation.

Amp Gain - The Parameter 1 knob adjusts the Gain (distortion) for the selected Amp Model (not available for Acoustic). The Gain parameter ranges from 0 to 99 .

Amp Level - The Parameter 2 knob adjusts the Level (volume) of the selected Amp Model. The Level parameter ranges from 0 to 99 .

Amp Type - The Parameter 3 knob selects the 12 types of Amp Models.

Marshall<sup>®</sup> is a registered trademark of Marshall Amplification Plc. Vox<sup>®</sup> is a registered trademark of Korg UK. Fender,

Matchless, and Mesa Boogie, are trademarks of their respective companies and are in no way associated with Fernandes Guitars.

bf - Based on a 65 Fender Twin Reverb

bo - Based on a Matchless DC30

re - Based on a Mesa Dual Rectifier

hr - Based on a Mesa Boogie Mark II C

td - Based on a 57 Fender Tweed Deluxe

C1 - Based on a Vox AC30 top boost

C2 - A clean tube combo setting

St - Based on a Marshall JCM900

Cr - A nice crunchy combo

Hg - Based on the Johnson JM150 High Gain

Fu - A vintage fuzz distortion

AC - A flat top acoustic guitar

## EQ

Equalization is an extremely useful tool used to further shape the tonal response of your guitar signal. The EQ in the Nomad Deluxe is similar to the tone knobs on an amplifier. All three EQ parameters range from -12dB to +12 dB.

Bass - The Gain knob adjusts the amount of low end enhancement (Bass).

Mid - The Amp Type knob adjusts the amount of mid range enhancement.

Treble - The Master Level knob adjusts the amount of high end enhancement (Treble).

## Cabinet/Gate

The Cabinet Modeling simulates different types of miked speaker cabinets. You have your choice of 3 Cabinet Types and 4 Mic Placements in relationship to the speaker cabinet.

A Noise Gate is designed to eliminate noise while you are not playing.

Cabinet/Mic - The Parameter 1 knob selects the type of simulated Speaker cabinet and mic placement in relation to the speaker.

Gate Type - The Parameter 2 knob selects between the Silencer "Noise Gate, or the Auto Swell volume swell effect.

Of - Cabinet Modeling off

A1 - Dark 4x12 Mic 1

A2 - Dark 4x12 Mic 2

A3 - Dark 4x12 Mic 3

A4 - Dark 4x12 Mic 4

b1 - Warm 4x12 Mic 1

b2 - Warm 4x12 Mic 2

b3 - Warm 4x12 Mic 3

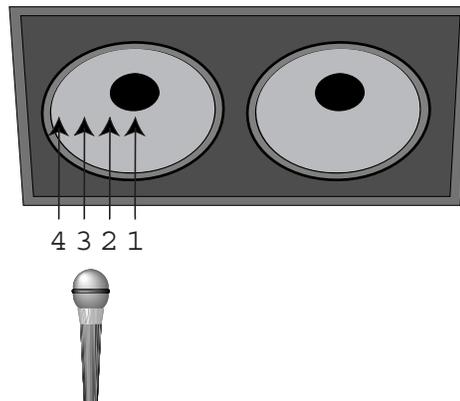
b4 - Warm 4x12 Mic 4

C1 - Bright 2x12 Mic 1

C2 - Bright 2x12 Mic 2

C3 - Bright 2x12 Mic 3

C4 - Bright 2x12 Mic 4



Of - Turns the Noise Gate off.

ng - Selects the Silencer" Noise Gate.

A1 to A9 - Selects the Auto Swell volume swell effect. These settings will auto-matically ramp up the volume from a 200 milliseconds volume fade in to 2 second volume fade in.

Gate Thresh - The Parameter 3 knob sets the signal strength (Threshold) required to open or close the Noise Gate. The Gate Threshold parameter ranges from 1 (opens easily) to 40 (requiring strong signals to open).

## Effects

The Effects row in the Nomad Deluxe is a multi-function module, allowing you to select effects such as; Chorus, Flanger, Phaser, Tremolo, Panner, Rotary Speaker, Vibrato, AutoYah“, Envelope, Pitch Shift, Detune, and Whammy“ effects. When the Effects row is selected, the Master level knob is used to choose the type of Effect to be used. Only one of the effects in this row can be used at a time. After selecting the type of effect in this module, the Amp Type knob adjusts the Level and Gain knobs adjusts the amount of the individual parameters associated with the selected effect.

The following list describes each Effect and their parameters in more detail:

### Chorus ( CH )

A Chorus adds a short delay to your signal. The delayed signal is modulated in and out of tune and then mixed back with the original signal to create a thicker sound.

Amount - The Gain knob simultaneously adjusts the rate (Speed) and intensity (Depth) of the modulation. Ranges from 1 to 99 .

Level - The Amp Type knob controls the mix level of the Effect. Ranges from 0 to 99 .

### Flange ( FL )

A Flanger uses the same principle as a Chorus but uses a shorter delay time and adds regeneration (or repeats) to the modulating delay. This results in an exaggerated up and down sweeping motion to the effect.

Amount - The Gain knob simultaneously adjusts the rate (Speed) and intensity (Depth) of the Effect. Ranges from 1 to 99 .

Level - The Amp Type knob controls the mix level of the Effect. Ranges from to 99 .

### Phaser ( PH )

A phaser splits the incoming signal, and then changes the phasing of the signal. This signal is then taken in and out of phase and mixed back in with the original signal. As the phasing changes, different frequencies get canceled resulting in a warm sort of twisting sound.

Amount - The Gain knob simultaneously adjusts the rate (Speed) and intensity (Depth) of the Effect. Ranges from 1 to 99 .

Level - The Amp Type knob controls the mix level of the Effect. Ranges from 0 to 99 .

### Tremolo ( tr )

A Tremolo effect modulates the volume of the signal at an even rate.

Amount - The Gain knob adjusts the rate (Speed) at which the volume modulates. Ranges from 1 to 99 .

Level - The Amp Type knob adjusts the intensity (Depth) of the modulating volume. Ranges from 0 to 99.

### Panner ( Pa )

An Auto Panner modulates the sound from left to right at an even rate.

Amount - The Gain knob adjusts the rate (Speed) at which the signal pans from side to side. Ranges from 1 to 99 .

Level - The Amp Type knob adjusts the intensity (Depth) of the changing pan. Ranges from 0 to 99 .

### Vibrato ( br )

A Vibrato effect modulates the pitch of the incoming signal at an even rate.

Amount - The Gain knob adjusts the rate (Speed) at which the pitch modulates.

Ranges from 1 to 99 .

Level - The Amp Type knob adjusts the intensity (Depth) of the modulating pitch. Ranges from 0 to 99 .

### Rotary Speaker ( RS )

Rotary Speaker is an emulation of a device that included a spinning horn and woofer. The rotation of these two speakers produced an interesting combination of the sound panning from side to side, as well as a slight pitch change due to speed of the sound coming towards, and then going away from the listener.

Amount - The Gain knob adjusts the rate (Speed) of the spinning speakers. Ranges from 1 to 99 .

Level - The Amp Type knob controls the mix level of the Effect. Ranges from 0 to 99.

### AutoYah“ ( AY )

An AutoYah“ combines the characteristics of a Wah and a Flanger together creating an almost human vowel characteristic as if the guitar were saying "Yah." The AutoYah“ provides animation to the sound automatically based on string attack.

Amount - The Gain knob adjusts the rate (Speed) of the sweep. Ranges from 1 to 99.

Level - The Amp Type knob adjusts the intensity (Depth) of the vowel sound. Ranges from 0 to 99.

### Envelope Filter ( En )

The Envelope Filter is a dynamic Wah effect that alters your sound based upon how hard you play.

Amount - The Gain knob adjusts sensitivity or the input signal required to trigger the Wah effect. Ranges from 1 to 99.

Level - The Amp Type knob controls the mix of the Envelope effect. Ranges from 0 to 99.

### Pitch Shift ( Pt )

The Pitch Shifting copies the incoming signal, then shifts the pitch of the copy to a different note. The shifted note is then mixed back with the original signal sounding as if two guitars were playing different notes.

Amount - The Gain knob selects the interval of the shifted pitch. Ranges from -12 to 24.

Level - The Amp Type knob controls the mix level of the shifted pitch. Ranges from 0 to 99.

### Detune ( dt )

A Detuner will make a copy of your incoming signal, take the copied signal slightly out of tune from the original, and mix the two signals together. The result is a doubling type of effect as if two guitars were playing the same part together.

Amount - The Gain knob adjusts the amount of pitch difference applied to the copied signal. Ranges from -12 to 12 .

Level - The Amp Type knob controls the mix of the detuned note. Ranges from 0 to 99 .

## Whammy“ ( bd )

Whammy“ is an effect that uses an Expression Pedal to bend the pitch of the incoming signal, or add a bendable harmony with the original signal. As the Pedal is moved, the note will bend either up or down.

Amount - The Gain knob selects the interval and direction of the pitch bend.

Level - The Amp Type knob adjusts the volume of the Whammy“. Ranges from 0 to 99.

### Whammy (no Dry Signal)

1 (1 octave above)

2 (2 octaves above)

3 (a 2nd below)

4 (a 2nd below reversed pedal action)

5 (a 4th below)

6 (1 octave below)

7 (2 octaves below)

8 (6 octaves below)

### Harmony Bends (Dry Signal Added)

9 (a minor 3rd to a Major 3rd)

10 (a 2nd above to a Major 3rd above)

11 (a 3rd above to a 4th above)

12 (a 4th above to a 5th above)

13 (a 5th above to 1 octave above)

14 (1 octave above)

15 (1 octave down)

## Delay

Delay is an effect that will record a portion of the incoming signal, and then play it back a short time later. The recording can repeat just once or several times.

Type/Level - The Gain knob selects one of the 3 different types of Delay, as well as the volume level of the Delay.

OF - Turns the Delay Effect off.

1d through 9d - These are Digital Delays with Level control.

1A through 9A - These are Analog Delays with Level control.

1P through 9P - These are Ping Pong Delays with Level control.

Delay Time - The Amp Type knob adjusts the amount of Delay time. Ranges from 1 through 99 (10 through 990 ms), and 1 and 2 (1 and 2 seconds).

Delay Feedback - The Master Level knob adjusts the number of repeats. Ranges from 0 to 99.

## Reverb

Using reverb in recorded program material gives the listener a sense that the material is being performed in an actual room or hall. It is this similarity to actual acoustic spaces that makes reverberation a useful tool in recorded music.

Reverb Type - The Gain knob selects the Type of Reverb or acoustic space.

Decay - The Amp Type knob adjusts the length of the Reverb. Ranges from 1 to 99 .

Reverb Level - The Master Level knob adjusts the volume of the Reverb. Ranges from 0 to 99.

St =Studio

ro =Wood Room

CL =Club

PL =Plate

HA =Hall

AP =Amplitheater

CH =Church

gA =Parking Garage

Ar =Arena

SP =Spring

## **Factory Reset**

This function resets the Nomad Deluxe to its original factory settings. This procedure will erase all custom user Presets, and recalibrate the Expression Pedal.

**ATTENTION:** Performing this function will erase all user-programmed data. All such data will be lost forever! Be sure you want to erase the memory and start fresh before continuing with this procedure.

The procedure for performing a Factory Reset is as follows:

1. Disconnect the power supply from the Nomad Deluxe (AC Power) or unplug the guitar from the input jack (battery power).
2. Press and hold the Select button while re-connecting the power or plugging your guitar into the Nomad Deluxe's input.
3. When the display shows --, release the button and press the Store button. The display will then read rE and the Nomad Deluxe will reset to the original factory settings.

## **Section Five - Appendix**

Specifications

Input: 1/4"

Output: 1 - 1/4" Stereo TRS

Headphone: 1/8" Stereo TRS

A/D/A: 24 bit Delta Sigma

Power Supply: 9 VAC, 1.3A (PS0913B), or 6 AA batteries with the external battery pack. Use only Alkaline Batteries!

Power Consumption: 1.3A

Memory: 40 User/40 Factory

Effects: Pickup Simulator, Wah, Compressor, 12 Amp/Guitar Models, 3 band EQ, Noise Gate, Cabinet Modeling, Mic Placement, Chorus, Flange, Phaser, Tremolo, Panner, Vibrato, Rotary Speaker, Auto Yah™, Enveloped Filter, Pitch Shift, Detune, Whammy™, Delay, and Reverb.

Rhythm Trainer: 30 Patterns

Simultaneous Effects: up to 12

Dimensions: 34.5" long, 10.5" Wide, 2.5" deep. 87.63 cm Long, 26.67 cm Wide, 6.35 cm Deep.

Weight: 6.5 LBS. 2.925 Kg

**Digitech, Audio DNA, Auto Yah, and Whammy are trademarks of the Digitech Corporation which is in no way associated with Fernandes Guitars.**

## Factory Preset List:

User presets (number 1-40) are pre-sets that a user can rewrite the contents of freely. Factory pre-sets (number 41-80) are sample pre-sets which a user cannot overwrite. A copy of factory pre-sets is programmed into user pre-sets at the factory, and they are numbers 1 and 40.

1 and 41	Big Solo	21 and 61	Tweedy
2 and 42	Classic Clean	22 and 62	Match This!
3 and 43	Chunk Rhythm	23 and 63	Vosy Vibe
4 and 44	Auto Ya	24 and 64	Stacked
5 and 45	Scoop	25 and 65	Jazzy Clean
6 and 46	Octa Sub	26 and 66	Fusion
7 and 47	High Gain Lad	27 and 67	Rotary Club
8 and 48	Limpy	28 and 68	Clean 5ths
9 and 49	Cowpie	29 and 69	Tweedy Blues
10 and 50	Vibro Thang	30 and 70	Muddy Acoustic
11 and 51	3rds Crunch	31 and 71	Slider
12 and 52	Triplets	32 and 72	Texas Blues
13 and 53	Boogie Dirt	33 and 73	Clean Funk
14 and 54	Rectify	34 and 74	Wah's Up
15 and 55	Clean Tube	35 and 75	Be Bad
16 and 56	Gainster	36 and 76	Auto Wah
17 and 57	Crunch	37 and 77	Suffin
18 and 58	Auto Swell	38 and 78	Foxy Mama
19 and 59	Walkin'	39 and 79	Angus
20 and 60	Studio Clean	40 and 80	Whammy Bamm

# Nomad Deluxe Preset Data Sheet

Preset Number

Title

	Left Knob	Center Knob	Right Knob
Pickup/Wah	PickupType	WahType	WahPosition
	Of SH HS	Of Cr bt fr	
Compressor	CompType	Amount	Gain
	Of 1 2 3		
AmpModeling	AmpGain	AmpLevel	AmpType OF
			bf bo rE hr td C1 C2 St Cr Hg Fu AC
Equalizer	Bass	Mid	Treble
Cabinet/Gate	CabinetType OF	GateType	GateThreshold
	1A 2b 3c 4d 2A 2b 2c 2d 3A 3b 3c 3d	Of ng A1 A2 A3 A4 A5 A6 A7 A8 A9	
Effects	Parameter1	Parameter2	EffectType OF
			CH FL PH tr PA br rS En Ay Pt dt bd
Delay	Type/Level	DelayTime	Feedback
	Of d A P Level= .		
Reverb	Type	Decay	Level
	Of St ro CL PL HA AP CH gA Ar SP		
Comments			