OWNER'S MANUAL
PA-2
PA-2 Portable Acoustic Guitar EFX
Thank you for purchasing the Nu-X PA-2 portable acoustic guitar effects. PA-2 has a big LCD screen display, 3 acoustic body simulation sounds, 3-band EQ, Phase Reversal switch and 5 effects including 3 Chorus types, Delay, Room Reverb, Hall Reverb, and Compressor. In addition, PA-2 also has built-in metronome and tuner. Please enjoy your PA-2.

**FEATURES**

- Two tuning modes (Chromatic, Guitar).
- Built-in metronome with selectable rhythm patterns.
- AUX In for external music-playback device (mp3 player, CD player, etc.).
- TS/AC Technology brings out the realistic guitar tone.
- Three acoustic body modulations: FLAT, JUMBO, MELLOW.
- 3-band EQ
- 18 presets (9 Factory, 9 User)
- 3 Chorus types
- ROOM, HALL Reverb and 400ms delay.
- Phase Reversal switch
- Compressor
- Backlit LCD screen
- Two AA batteries provide more than 8 hours operation.

**QUICK START**

Before using your PA-2, please follow below simple instructions
1. Place two AA batteries in the battery compartment as shown.
2. Connect headphones (not included) to headphone jack located on the top of the device.

3. If needed, you may connect a cable from the output jack which located on the top left of the PA-2 to an acoustic guitar amplifier (please turn the volume of the amplifier to minimum before turning on the device).

4. Please connect the output cable of acoustic guitar to the Input jack which located on the top right of PA-2.

5. Turn the PA-2 on using the power switch located at the right side of the device.

6. Place your headphones on or turn on your acoustic guitar amplifier, you can play now.

7. Press [PRESETS] to enter Preset mode, press [▲] [▼] to select one preset.

   **Note:** P1 - P9 are factory presets; U1 - U9 are user presets. Press [PRESETS] again back to Manual mode.

8. Under Manual mode, the screen shows “E”, you can select the acoustic type modulation, Chorus, Delay or Reverb. Use the knobs and switches to adjust your sound.

9. Under Manual and user presets mode, press and hold TAP/SAVE for two seconds to enter the storage mode. The preset number will flash to show the position you can store, press [▲] [▼] to change the storage position (U1-U9). Press TAP/SAVE again to confirm the storage. If you want to cancel the storage, press [PRESETS] to quit.

10. Press METRO/TUNER to enter Metronome mode, press the button again to start metronome.

11. Continue to press METRO/TUNER to enter the Tuner mode and start tuning.
Use the tri-slide switch to choose acoustic body type simulation: FLAT, JUMBO, MELLOW.
Use BODY knob to control the preamp volume.
Use VOLUME knob to control the master volume.

● **Chorus Effects**
Use the tri-slide switch under MOD knob to choose Chorus types: CHORUS-1, CHORUS-2, WIDE.
Use MOD knob to adjust the amount of the effects.

● **Ambience Effects**
Use the tri-slide switch under AMB knob to choose three ambience effects: DELAY, ROOM, HALL.
Use AMB knob to adjust the amount of the effects.

● **The Alt function of the knobs**
Press [alt], the screen shows “alt”, and the functions of four knobs change to Compressor control and 3-band EQ.
Under “alt” mode, use Comp knob to adjust the amount of Compressor effects.
Under “alt” mode, use Bass, Mid and Treble knobs to adjust the EQ of the preamp tone.

● **PHASE switch**
Use the slide switch located at the left side to switch to reverse the phase of the output signal. This function helps to avoid the affection to the sounds of other instruments when several instruments play at the same time.

● **PRESETS button**
Press this button to switch between Manual mode and Presets mode.
Under Manual mode, the screen shows “E”.
Under Presets mode, the upper left corner of LCD screen shows PRESETS, and the center of LCD screen shows preset number.
• **TAP/SAVE button**
  Under Manual and User Presets mode, press and hold TAP/SAVE for two seconds to enter the storage mode. The preset number will flash to show the position you can store, press [▲] [▼] to change the storage position (U1-U9). Press TAP/SAVE again to confirm the storage. If you want to cancel the storage, press [PRESETS] to quit.
  **NOTE:** Under Factory Presets, all the switches and buttons can be adjusted, but the settings cannot be saved. Only User Presets can be modified and re-saved.

• **INPUT Jack**
  Connect to the Output of an acoustic guitar.

• **HEADPHONES Jack**
  Connect to headphone

• **Output Jack**
  Connect to amplifier or mixing console, etc.

• **AUX IN Jack**
  Connect to External music- playback device (mp3 player, CD player, etc.).
• Press METRO/TUNER button to enter the Tuning mode for silence tuning. The default tuning mode is guitar mode. The LCD screen shows string number and note name. For example, 1E means the pitch of the first string is E.
• Use SELECT button to choose the functions of the tuner.
• Press SELECT button again until the character in the middle of the LCD screen flashes, then press [▲]  [▼] to choose the tuning mode (C for Chromatic, G for Guitar).
• Press SELECT button again, until the A4 = 440 starts flashing. Now you can adjust the reference pitch range (435Hz ~ 445Hz) by pressing [▲]  [▼].
• Under Guitar tuning mode, press SELECT button again, until the screen shows icon b. Now you can use flat tuning function by pressing [▲]  [▼]. You can set the tuner down to bb. (Flat tuning function only works under G tuning mode.) Play a single note on the guitar and tune the instrument.
METRONOME FUNCTION

- Press TUNER/METRO button until entering the metronome mode.
- Press TUNER/METRO button again to start metronome. Press SELECT and use [▲] [▼] to choose settings for the rhythm style, beat and tempo. When the metronome is playing, you can adjust the volume by pressing [▲] [▼].
- You can tap in the desired metronome tempo using the TAP button.
  **Note:** Under Metronome mode, if you set the tempo using TAP button, the time of DELAY and ambience effects will be changed accordingly. When you return to the effects mode, slightly turn the AMB knob will cancel the TAP setting.
- Rhythm styles: ♩ ♩ ♩ ♩ ♩ ♩ ♩ ♩ ♩ ♩ ♩ ♩ ♩ ♩

POWER

- Power ON/OFF, backlit switch.
- Power adaptor: DC 9V>200mA (+—(ACD-008A Optional)
  ★To enhance battery life, turn off the PA-2 when not in use. Sound quality may be impaired because of low battery power. If this happens, replace the batteries.
FACTORY RESTORE

Press and hold TAP/SAVE button, while slide on the power switch. When an “F” displays on the LCD screen, PA-2 is reset to factory setting.

Warning: All the user’s saving will be erased.

SPECIFICATIONS

- Sampling frequency: 32 kHz
- AD/DA conversion: 24bit
- Signal Processing: 24bit
- Nominal input impedance: 1MΩ
- AUX IN input: -10dBu/22kΩ
- Headphone output: 125mW + 125mW (into 32Ω load)
- Display: Backlit LCD
- Tuning Range: A0 (27.50Hz) ～ C8 (4186.01Hz)
- Reference Pitch: A4 (435 ～ 445Hz)
- Power adapter: 9V DC ≥ 200mA (ACD-008A Optional)
- Battery Power: AA x 2
- Working with Batteries: approx. 8 hours operation (alkaline batteries)
- Dimensions: 114(L) x 82(W) x 36(D) mm
- Weight: 140g

FACTORY RESTORE

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dreadnaught</td>
<td>Simulate the big sound of Dreadnaught guitar, good for folk and country style.</td>
</tr>
<tr>
<td>2</td>
<td>Country Echo</td>
<td>Clear attack with short slap back echo, ideal for country rhythm and lead guitar.</td>
</tr>
<tr>
<td>3</td>
<td>Lush Chorus</td>
<td>Beautiful Chorus effect</td>
</tr>
<tr>
<td>4</td>
<td>Delay Lead</td>
<td>Acoustic lead guitar with long Delay.</td>
</tr>
<tr>
<td>5</td>
<td>30's Blues</td>
<td>Simulation of small body guitar, a tone that reminds you of the old days.</td>
</tr>
<tr>
<td>7</td>
<td>Seattle Chorus</td>
<td>Transparent Chorus for acoustic riffs.</td>
</tr>
<tr>
<td>8</td>
<td>Hall of Reverb</td>
<td>Very deep Reverb effect</td>
</tr>
<tr>
<td>9</td>
<td>Space Arpeggio</td>
<td>Clean tone with long delay effect that is good for playing arpeggio or lead.</td>
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PRECAUTIONS

- Environment:
  1. Do NOT use the unit in high temperature, or high humidity, or subzero environments.
  2. Do NOT use the unit in the direct sunlight.
- Please do NOT disassemble the unit by yourself.
- Please keep this manual for future reference.

ACCESSORIES

- Owner's manual
- Two LR6 (AA) batteries
THE FCC REGULATION WARNING (for U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital 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.

CE mark for European Harmonized Standards