



CNR4 PREAMP/TUNER MANUAL



INFORMATION FOR YOUR SAFETY!

THE FCC REGULATION WARNING (for USA)

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

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

CAUTION

The normal function of the product may be disturbed by Strong Electromagnetic Interference. If so, simply reset the product to resume normal operation by following the owner's manual. In case the function could not resume, please use the product in another location.

PRECAUTIONS

Please keep this manual in a safe place for future reference.

Power Supply

Please connect the designated AC adaptor to an AC outlet of the correct voltage.

Do not connect it to an AC outlet with voltage that is different to what your equipment is made for.

Unplug the AC power adaptor when not using the instrument, or during electrical storms.

Connections

Before connecting the instrument to other devices, turn off the power to all units. This will help prevent malfunction and / or damage to other devices.

Location

Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

- Direct sunlight
- Extreme temperature or humidity
- Excessive dusty or dirty location
- Strong vibrations or shocks
- Close to magnetic fields

Interference with other electrical devices

Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

Cleaning

- Clean only with a soft, dry cloth
- Do not use paint thinners, solvents, cleaning fluids, or chemical impregnated wiping cloths

Handling

- Do not apply excessive force to the switches or controls
 - Do not let Paper, metal, or any other object hit the Drumkit or the Power Adaptor
 - If this happens, unplug the AC adaptor from the wall outlet
 - Then have the instrument inspected by qualified service personnel
- Disconnect all cables before moving the instrument.

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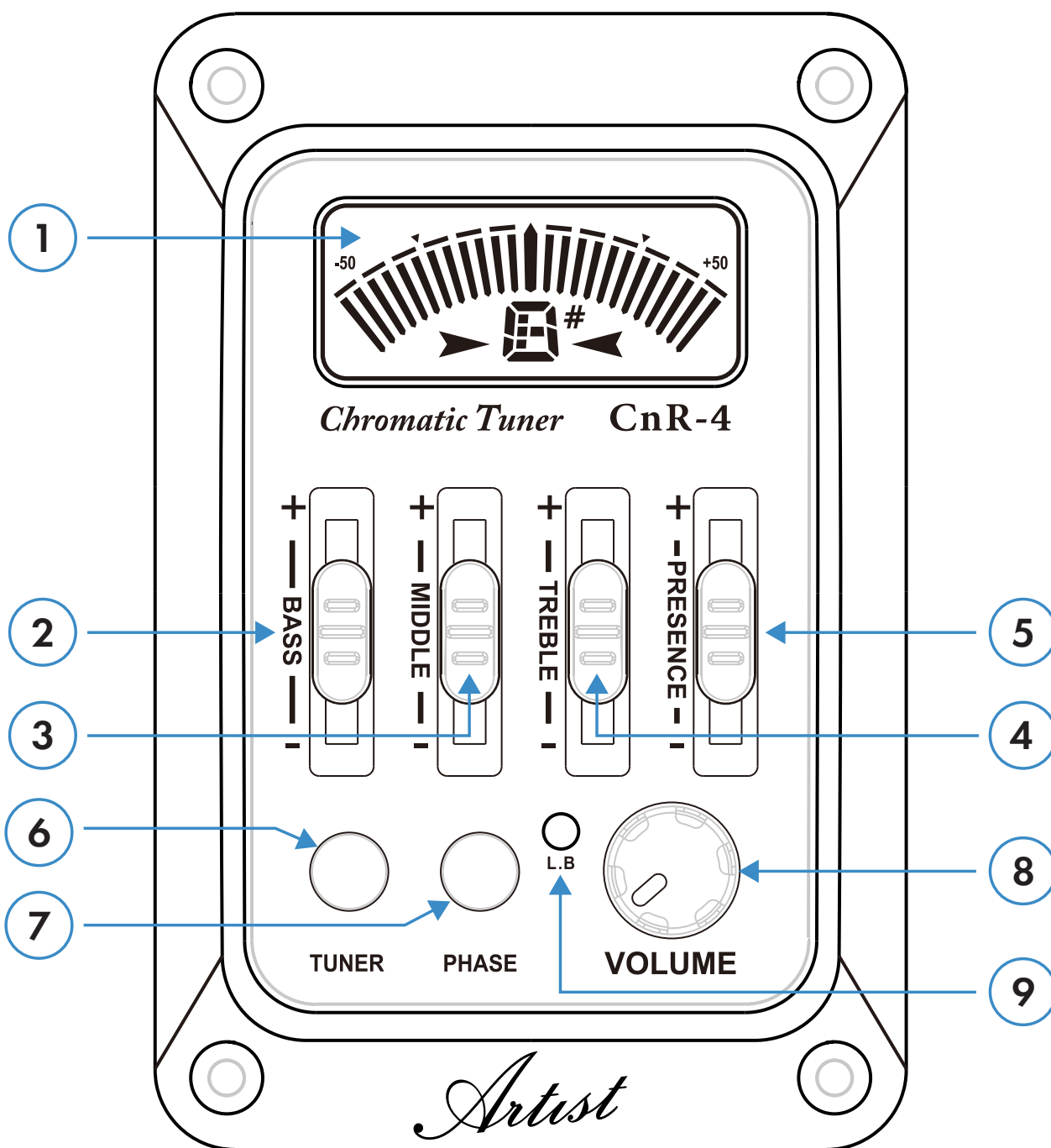
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FRONT PANEL



1. **Tuner LCD Display**
2. **Bass**
3. **Middle**
4. **Treble**
5. **Presence**

6. **Tuner Button**
7. **Phase Button**
8. **Volume Knob**
9. **Low Battery**

Functions

1. **Tuner**

LCD Display

2. **Base**

EQ Tone Control (for base tones)

3. **Middle**

EQ Control (for middle tones)

4. **Treble**

EQ Control (for high tones)

5. **Presence**

EQ Control (for very high tones)

The BASS, MIDDLE, TREBLE, and PRESENCE controls are a 4-band equalizer for controlling tone. The BASS, TREBLE and PRESENCE tone controls are normal boost / cut shelving controls. The MIDDLE (mid-range) tone control is a normal boost / cut tone filter. The center detent on these tone controls yields a flat tone response. "+12" boosts the tone; "-12" cuts the tone.

6. **Tuner Button**

For Power on/off button

7. **Phase Button**

Phase reverse switch to reduce feedback

8. **Volume Knob**

The VOLUME controls the output volume. Turned fully counter-clockwise it is completely OFF. Turned fully clockwise it is LOUD!

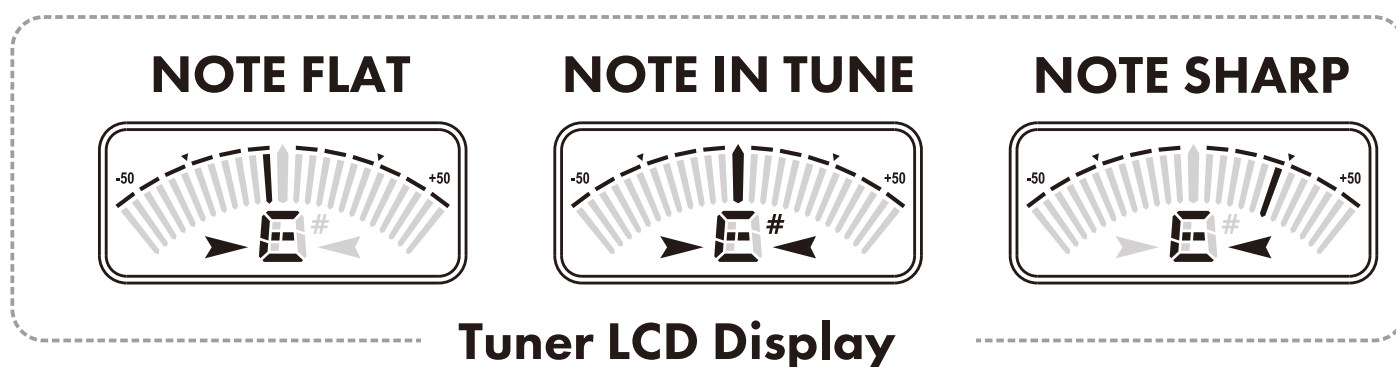
9. **Low Batt. (Low Battery LED Light)**

The LED will light when the battery has lost power. Replace the battery when this light is on. This LED light will flash when a cable is connected to the output jack of the pickup system. This shows the battery is good.

Battery

A 9-volt battery powers the PRENER-LC preamp. Before connecting the instrument to an amplifier or mixer please check that a fully charged 9-volt battery is connected.

TUNER OPERATION



Tuner Display

The tuner will work with or without a cable plugged into the output jack.

Pushing the tuner button turns ON the tuner. When the tuner is active the output signal is muted. No sound will go to the amplifier or mixer when the tuner is active.

Pushing the tuner button again turns the tuner OFF and the output signal will be active and sound will go to the amplifier.

If the tuner is ON and the tuner button is not pushed within 2 minutes the tuner will turn OFF automatically and sound returned to the output.

The tuner Note Readout Display shows the nearest note of one plucked string's sound. The Note Read Display read out shows twelve note possibilities in half steps in "sharps" (for example: A; A#; B; C; C#; D; D# and so on). For "flat" notes, for example: B $\flat$ (B flat) use A#. For E $\flat$ (E flat) use D#.

SPECIFICATION

Features: 4Band EQ with Phase

Input Impedance: 2.2MΩ

Frequency Response: 20Hz~20KHz

Control Range:

Bass: 【±12dB at 80Hz】

Middle: 【±12dB at 800Hz】

Treble: 【±12dB at 3KHz】

Presence: 【±12dB at 15KHz】

Power Supply: 9V Alkaline Battery

Battery Life: Over 700Hours

Tuner off: 700Hours @ 0.7mA

Tuner on with signal: 40Hours @ 12mA

Tuner Function:

Mode: Auto Chromatic Tuning

Tuning Note: Chromatic Mode / Guitar Mode

Function: Phase S/W for Anti Feedback

Low Battery Check LED

Pick-up: B-6900 (Piezo ceramic pick-up)

Battery Box: BH-400 Combo Battery Box

Output Jack: 6.35mm (1/4")

Dimension: W 47mm X H 71 mm (1.85" X 2.8")

CAUTION

- The jack should be plugged for proper Preamp working.(TUNER will works regardless plugging jack).
- There is no output sound, please check if tuner or mute is turned on.
- When LCD screen is dim or no display, please check battery life.
- To prevent battery loss, please unplug jack when preamp is not in use.
- Do not disassemble for repair. Return to your dealer for service or repair.
- Do not use too much force when operating the control.



MADE IN CHINA

FOR SUPPORT, GO TO:
WWW.ARTISTGUITARS.COM.AU/SUPPORT

