

# electro-harmonix

## EHX-2020 Chromatic Tuner Pedal

### WELCOME

Congratulations on your purchase of the Electro-Harmonix EHX-2020 Chromatic Tuner Pedal, a convenient and complete solution to tuning your instrument.

### PRECAUTIONS

#### To avoid short circuit, electrical shock or malfunction:

- Do not disassemble for repair
- Do not place in high temperature and humid spaces, such as an electric heater, direct sunlight, bathroom, wet floor, etc.
- Do not place in an area with excessive vibration
- Do not place in dusty or dirty space
- Do not operate with wet hands

#### To avoid breakdown:


- Do not handle the controls with excessive force
- Do not drop the tuner


#### Cleaning:


- Do not use paint thinner or alcohol for cleaning
- Use only dry and clean cloth


### FEATURES & FUNCTIONS

- 1) Foot Switch:** Pressing the Foot Switch will turn the tuner on/off.
- 2) Input Jack:** Connect the cable from your instrument to the Input Jack of the tuner. When powering the tuner from a battery, the Input Jack also functions as a power switch. Battery power is engaged when a plug is inserted into the Input Jack. Power shuts off when the plug is pulled out of the Input Jack. We recommend you remove the plug from the Input Jack when you finish playing music.
- 3) DC 9V In Jack:** If a DC adapter is used, you will be able to play without worrying about battery life. The DC 9V Jack requires a power plug with dimensions of 5.5 x 2.1 (mm) and center-negative polarity. The current draw at the DC 9V jack is xxmA.
- 4) Output Jack:** Connect your amp or another effect unit to the Output Jack. When the tuner is off, the Output Jack will output the signal of the instrument connected to the Input Jack. When the tuner is on, no sound will be output from the Output Jack so you can tune silently.
- 5) Pitch Button:** This button lets you change the reference frequency. 7-segment indication of 0 to 5 means 440-445Hz, and an indication of 6 to 9 means 436-439Hz.
- 6) Flat Button:** This button lets you use flat tunings.

Normal Tuning: 

Detuned 1/2 Note: 

Detuned 1 Full Note: 

Detuned 1 1/2 Notes: 

## PROCEDURE

1. Connect output of the instrument to the Input Jack of the tuner. The power will be turned on.
2. Press the Foot Switch to turn the tuner on.
3. Press the Pitch Button to select the reference frequency you want to use.
4. Press the Flat Button to select the reference flat you want to use.
5. Adjust the instrument until the tuning note you wished to tune is indicated.
6. Adjust the instrument slowly until the tuning guide reaches the center position.
7. When the center of the tuning guide lights up, the instrument is in tune.

## SPECIFICATIONS

- True Bypass
- Tuning Range: B0-B7
- Accuracy: +/- 1cent
- Calibration: 436-445Hz (1 Hz step)
- Input: 1/4" Input Jack
- Output: 1/4" Output Jack
- Power: 9V DC Adapter
- Dimensions (mm): 46 x 94 x 50
- Weight: 260g

## WARRANTY & NOTICES

### Warranty Information

Please register online at <http://www.ehx.com/product-registration>. Electro-Harmonix will repair or replace, at its discretion, a product that fails to operate due to defects in materials or workmanship for a period of one year from date of purchase. This applies only to original purchasers who have bought their product from an authorized Electro-Harmonix retailer. Repaired or replaced units will then be warranted for the unexpired portion of the original warranty term. If you should need to return your unit for service within the warranty period, please contact the appropriate office listed below. Customers outside the regions listed below, please contact EHX Customer Service for information on warranty repairs at [info@ehx.com](mailto:info@ehx.com) or +1-718-937-8300. USA and Canadian customers: please obtain a Return Authorization Number (RA#) from EHX Customer Service before returning your product. Include, with your returned unit, a written description of the problem as well as your name, address, telephone number, e-mail address, RA# and a copy of your receipt clearly showing the purchase date.

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Note: 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 on 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 to 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.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.



The CE logo indicates that this product has been tested and shown to conform with all applicable European Conformity directives.

 Disposal: This symbol indicates that this product shall not be treated as household waste. Instead it shall be disposed in accordance with local environmental laws and guidelines and, where appropriate, handed over to the applicable collection point for the recycling of electrical and electronic equipment. This product was produced after Jan 1 2006.