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D'Addario PW-CT-14

D'Addario NS Micro Violin Tuner (PW-CT-14) Instruction Manual

Model: PW-CT-14

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1. PRODUCT OVERVIEW

The D'Addario NS Micro Violin Tuner (model PW-CT-14) is a compact and lightweight chromatic tuner designed specifically for violin and viola. It features a highly visible multi-color display and a secure lever-lock clamp for attachment to your instrument.



Image 1.1: Front view of the D'Addario NS Micro Violin Tuner, showing the power button, navigation buttons, and D'Addario logo.

This tuner offers precise tuning capabilities through its advanced Piezo transducer, ensuring accurate pitch detection even in noisy environments. Its discreet design allows it to remain on your instrument without interfering with playability. Key features include a new full-color display, vertical/horizontal screen rotation, and a wide calibration range.

2. SETUP AND INSTALLATION

2.1 Battery Installation

The tuner requires one CA123 type battery. To install or replace the battery:

1. Locate the battery compartment cover on the back of the tuner.
2. Gently open the cover.
3. Insert the CA123 battery, ensuring correct polarity (+/-).

4. Close the battery compartment cover securely.

2.2 Attaching the Tuner to Your Instrument

The NS Micro Violin Tuner uses a lever-lock clamp for secure attachment. It is designed to fit standard violin and viola sizes.

1. Identify a suitable location on the instrument's body, typically near the bridge or f-hole, where the clamp can securely grip without obstructing play or sound.
2. Open the lever-lock clamp by lifting the lever.
3. Position the clamp jaws around the edge of the instrument's body. Ensure the rubber pads make contact with the instrument surface to prevent damage.
4. Close the lever to secure the tuner firmly in place. Do not overtighten.



Image 2.1: The tuner securely attached to the body of a violin using its lever-lock clamp.

Note: While the tuner is designed to be discreet, ensure its placement does not interfere with your bowing or finger placement. The clamp's design allows for various attachment points for optimal visibility.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

- To power on, press and hold the power button (marked with a circle and vertical line) for approximately 1 second.
- To power off, press and hold the power button again for approximately 1 second.
- The tuner features an automatic shut-off function to conserve battery life if no signal is detected for a period.



Image 3.1: Close-up of the tuner's control buttons, including power, rotation, and navigation.

3.2 Tuning Your Instrument

The NS Micro Violin Tuner uses a Piezo sensor to detect vibrations directly from your instrument, providing accurate tuning even in noisy environments.

1. Ensure the tuner is powered on and securely attached to your instrument.
2. Pluck or bow a single string. The tuner's display will show the detected note and indicate whether it is sharp, flat, or in tune.
3. Adjust your instrument's tuning peg until the display shows the correct note and the indicator is centered, signifying accurate pitch.
4. Repeat for all strings.



Image 3.2: The tuner display showing the note 'A' and tuning indicators.

3.3 Calibration (A4 Reference)

The tuner's calibration range is 410-480Hz. To adjust the A4 reference frequency:

- Press the left or right arrow buttons to increase or decrease the A4 reference frequency.
- The default setting is typically 440Hz. Adjust as needed to match other instruments or ensemble requirements.

3.4 Screen Orientation

The tuner features a multi-color display with vertical and horizontal screen rotation for optimal viewing angle.

- Press the rotation button (marked with two arrows forming a circle) to cycle through different screen orientations.

4. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the tuner's exterior. Avoid abrasive cleaners or solvents.
- **Battery:** Replace the battery when the display becomes dim or the tuner's performance degrades. Remove the battery if the tuner will not be used for an extended period to prevent leakage.
- **Storage:** Store the tuner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the tuner with care. Avoid dropping it or subjecting it to strong impacts.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tuner does not power on.	Dead or incorrectly installed battery.	Check battery polarity. Replace battery if necessary.
Inaccurate tuning readings.	Tuner not securely attached; ambient noise; incorrect calibration.	Ensure tuner is firmly clamped. Tune in a quieter environment. Verify A4 calibration setting.
Display is dim or flickering.	Low battery.	Replace the battery.
Tuner falls off instrument.	Clamp not properly secured or overtightened/undertightened.	Re-attach the tuner, ensuring the lever-lock clamp is firmly closed but not excessively tight. Ensure the instrument's edge fits within the clamp's range.

6. SPECIFICATIONS

- **Model:** PW-CT-14
- **Tuning Type:** Chromatic
- **Detection Method:** Piezo Vibration Sensor
- **Display:** Multi-color, Rotatable
- **Calibration Range:** 410-480Hz
- **Power:** 1 x CA123 Battery (Lithium)
- **Compatibility:** Violin, Viola

7. WARRANTY AND SUPPORT

This product is a genuine domestic product in Japan. Parallel imports may not be covered by the distributor's warranty. For warranty claims or technical support, please contact your authorized D'Addario dealer or the official D'Addario distributor in your region. Keep your proof of purchase for warranty validation. For more information, visit the official D'Addario website: www.daddario.com