

 **YAMAHA**
CHROMATIC TUNER
YT-250

OWNER'S MANUAL

Thank you for purchasing the YAMAHA YT-250 Chromatic Auto Tuner.

Please read this manual thoroughly and keep it in a safe place for future reference.

■ PRECAUTIONS

- ◆ To prevent damage, do not use the tuner in the following locations:
 - places where the unit will be in direct sunlight;
 - places subject to temperature and humidity extremes;
 - places that are sandy or dusty.
- ◆ To power the tuner, use only a 6F22 or 006P 9V dry cell battery.
- ◆ For maximum battery life, always be sure the tuner is turned OFF when not in use.
- ◆ If an exhausted battery is left in the unit for an extended period of time, it may leak and cause malfunctioning of the unit. When the battery becomes exhausted, always remove it and replace it as soon as possible.
- ◆ Do not subject the tuner to strong physical shock or vibration. Do not use excessive force on any of the controls.
- ◆ Never use solvents such as benzene or thinner to clean the tuner. Wipe clean with a soft, dry cloth.
- ◆ After reading the owner's manual, keep it in a safe place for future reference.

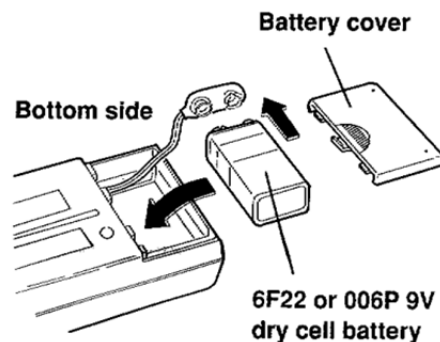
**Never dispose of used batteries by burning them.
Also make sure to keep batteries away from children.**

■ BATTERY REPLACEMENT

When battery power runs down, the LCD indicator will grow dim.

Continued use of the tuner may result in inaccurate operation. Replace the battery with a new one (6F22 or 006P 9V dry cell battery) as soon as possible.

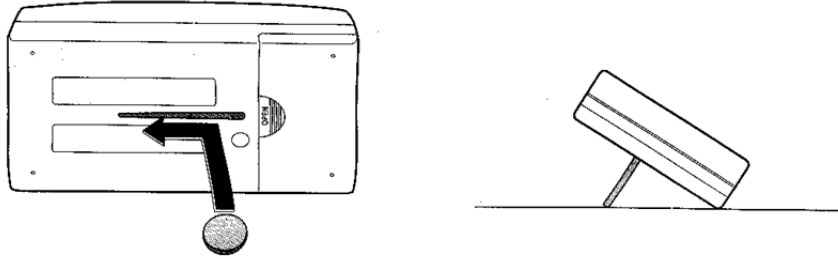
The battery compartment is in the rear of the tuner. Remove the old battery and replace it with a new one of the same type. Be careful to connect the battery in the correct polarity.



* Always turn the POWER switch **7** to "OFF" before changing the battery.

■ TILT SLIT

The tuner can be tilted back by using the slit in the rear panel. Insert a coin or similar flat object into the slit and tilt back as shown in the diagram below.



FCC INFORMATION (U.S.A.)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2. IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

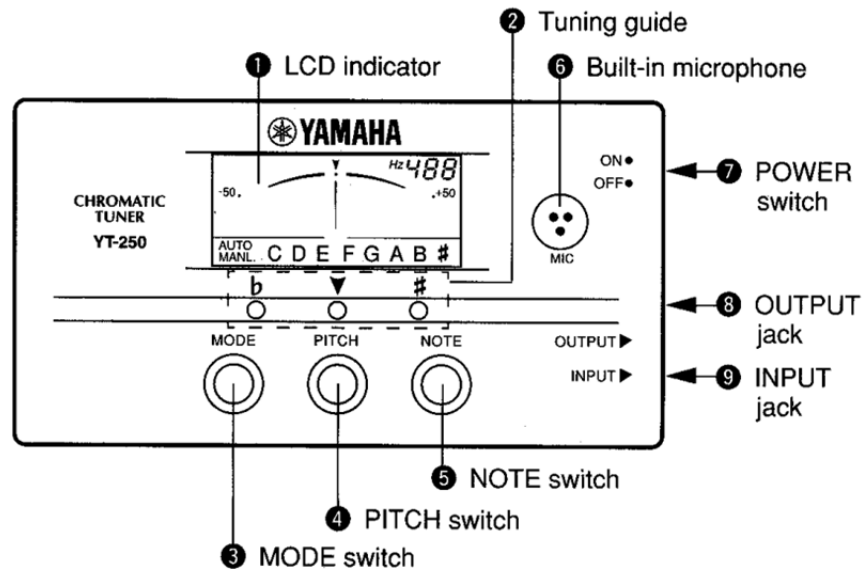
Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA 90620

The above statements apply ONLY to those products distributed by Yamaha Corporations of America or its subsidiaries.

■ COMPONENTS



■ TUNING PROCEDURES

Two tuning modes are available for tuning. The Auto (AUTO) mode automatically selects the closest note name to the pitch received by the tuner and indicates whether the pitch is high or low. The Manual (MANL.) mode allows the user to manually select the note to be tuned. Press the MODE ③ switch to select the desired tuning mode. The selected mode, AUTO or MANL., is displayed on the lower left hand corner of the LCD display ①.

* Pressing the NOTE ⑤ switch while in the Auto mode also switches the tuner to the Manual mode.

● Auto Tuning : AUTO

1. To tune electric or electronic instruments, use a cable to connect the instrument directly to the tuner's INPUT ⑨ jack. (Connecting the OUTPUT ⑧ jack to an amp allows the amp to receive the instrument's signal whether the tuner's power is on or off. However, it might result in added noise to the line so you should switch the tuner's power off during performance.)

* The built-in microphone ⑥ will not operate when a cable is connected to the tuner's INPUT ⑨ jack.

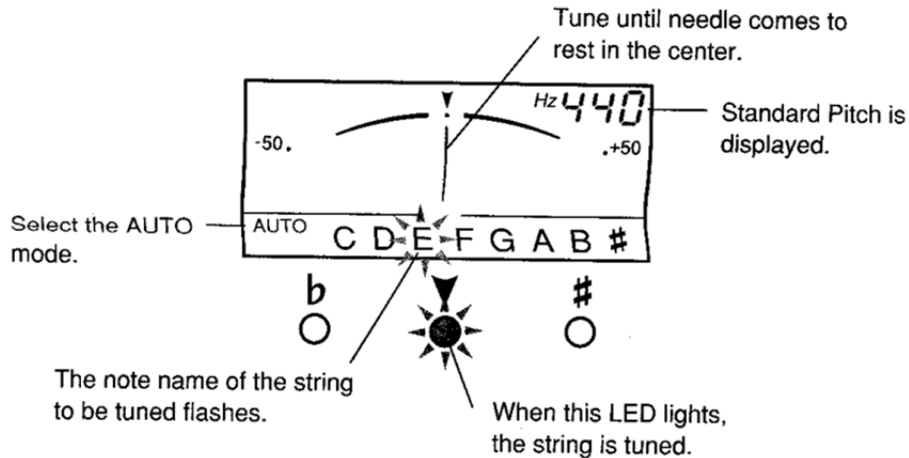
To tune acoustic instruments, use the tuner's built-in microphone and play the note as close to the tuner as possible during step 4.

2. Turn the POWER ⑦ switch ON.

The standard pitch (factory preset A4=440Hz) will flash on the LCD indicator ① for about 2 seconds. After that, the tuner will automatically enter the Auto tuning mode (AUTO will appear on the display ①).

3. Use the PITCH switch ④ to change the standard pitch (refer to the "Setting the Standard Pitch" section below).
4. Play a note on the instrument (only play 1 note at a time). Use the note name indicated on the display ①, the needle and tuning guide ② as a reference while tuning the instrument.
 - 4-1. First, approximately tune the instrument so that the indicator for the appropriate note name flashes.
 - 4-2. Next, tune until the needle rests in the middle and the green LED of the tuning guide ② lights.

Example) Using the AUTO mode to tune an "E".

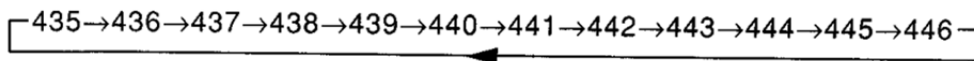


● Manual Tuning : MANL.

1. Carry out the same settings as described in steps 1-3 in the AUTO tuning section.
2. Continue to press the NOTE ⑤ switch until the desired note name flashes. The tuner is now in the manual mode and "MANL." appears on the display ①.
3. As in step 4 of the AUTO tuning section, pluck the string to be tuned. Proceed to tune the string.
4. Repeat steps 2 and 3 to tune the other strings.

■ SETTING THE STANDARD PITCH

1. Turn the POWER switch ⑦ ON. The pitch is set to 440 Hz (flashing display).
2. Continuously press the PITCH switch ④ until the desired standard pitch (435 – 446Hz) is selected.



3. When the PITCH switch ④ has not been pressed for about 2 seconds, the tuner will automatically return to the tuning mode.

* When the POWER switch ⑦ is turned OFF, the standard pitch setting will be reset to A=440Hz.

THIS DIGITAL APPARATUS DOES NOT EXCEED THE "CLASS B" LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS SET OUT IN THE RADIO INTERFERENCE REGULATION OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.