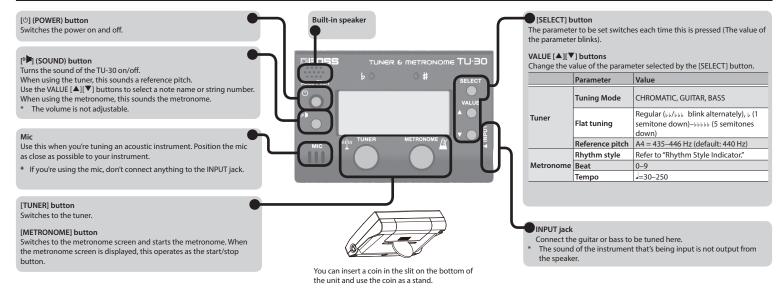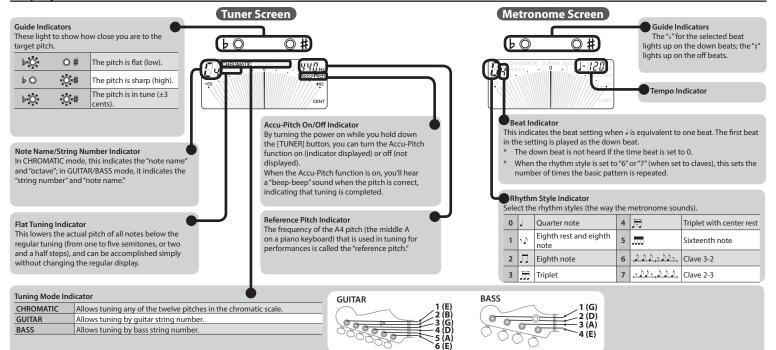# TU-30 TUNER & METRONOME   Owner's Manual   🔲 BOSS

Before using this unit, carefully read "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (supplied on a separate sheet). After reading, keep the document(s) where it will be available for immediate reference.

Panel Description

[⏻] (POWER) button
Switches the power on and off.

[♪] (SOUND) button
Turns the sound of the TU-30 on/off.
When using the tuner, this sounds a reference pitch.
Use the VALUE [▲][▼] buttons to select a note name or string number.
When using the metronome, this sounds the metronome.
* The volume is not adjustable.

Mic
Use this when you're tuning an acoustic instrument. Position the mic as close as possible to your instrument.
* If you're using the mic, don't connect anything to the INPUT jack.

[TUNER] button
Switches to the tuner.

[METRONOME] button
Switches to the metronome screen and starts the metronome. When the metronome screen is displayed, this operates as the start/stop button.

Built-in speaker

You can insert a coin in the slit on the bottom of the unit and use the coin as a stand.

[SELECT] button
The parameter to be set switches each time this is pressed (The value of the parameter blinks).

VALUE [▲][▼] buttons
Change the value of the parameter selected by the [SELECT] button.

	Parameter	Value
Tuner	Tuning Mode	CHROMATIC, GUITAR, BASS
	Flat tuning	Regular (♭♭/♭♭♭ blink alternately), ♭ (1 semitone down)–♭♭♭♭♭ (5 semitones down)
	Reference pitch	A4 = 435–446 Hz (default: 440 Hz)
Metronome	Rhythm style	Refer to "Rhythm Style Indicator."
	Beat	0–9
	Tempo	♩=30–250

INPUT jack
Connect the guitar or bass to be tuned here.
* The sound of the instrument that's being input is not output from the speaker.

Display

Tuner Screen

Guide Indicators
These light to show how close you are to the target pitch.

♭🔆 ◎#	The pitch is flat (low).
♭◎ 🔆#	The pitch is sharp (high).
♭🔆 🔆#	The pitch is in tune (±3 cents).

Note Name/String Number Indicator
In CHROMATIC mode, this indicates the "note name" and "octave"; in GUITAR/BASS mode, it indicates the "string number" and "note name."

Flat Tuning Indicator
This lowers the actual pitch of all notes below the regular tuning (from one to five semitones, or two and a half steps), and can be accomplished simply without changing the regular display.

Accu-Pitch On/Off Indicator
By turning the power on while you hold down the [TUNER] button, you can turn the Accu-Pitch function on (indicator displayed) or off (not displayed).
When the Accu-Pitch function is on, you'll hear a "beep-beep" sound when the pitch is correct, indicating that tuning is completed.

Reference Pitch Indicator
The frequency of the A4 pitch (the middle A on a piano keyboard) that is used in tuning for performances is called the "reference pitch."

Tuning Mode Indicator

CHROMATIC	Allows tuning any of the twelve pitches in the chromatic scale.
GUITAR	Allows tuning by guitar string number.
BASS	Allows tuning by bass string number.

Metronome Screen

Guide Indicators
The "♭" for the selected beat lights up on the down beats; the "#" lights up on the off beats.

Tempo Indicator

Beat Indicator
This indicates the beat setting when ♩ is equivalent to one beat. The first beat in the setting is played as the down beat.
* The down beat is not heard if the time beat is set to 0.
* When the rhythm style is set to "6" or "7" (when set to claves), this sets the number of times the basic pattern is repeated.

Rhythm Style Indicator
Select the rhythm styles (the way the metronome sounds).

0	♩	Quarter note	4	🎵	Triplet with center rest
1	♪	Eighth rest and eighth note	5	🎵	Sixteenth note
2	♫	Eighth note	6	♪♪♪♪♪	Clave 3-2
3	🎵	Triplet	7	♪♪♪♪♪	Clave 2-3

GUITAR
1 (E)
2 (B)
3 (G)
4 (D)
5 (A)
6 (E)

BASS
1 (G)
2 (D)
3 (A)
4 (E)

Using the Tuner

1. **Connect the instrument to be tuned to the INPUT jack.**

   The built-in mic is used for tuning acoustic instruments. When using the mic, make sure that nothing is connected to the INPUT jack, and place the TU-30 near the instrument.

2. **Press the [⏻] (POWER) button to switch the power on.**

3. **Press the [TUNER] button to switch the tuner mode.**

4. **Tune the instrument.**

   With the intended note name/string number appearing in the display, tune the instrument so that both "♭" and "#" of the Tuning Guide are lit, and the meter needle points to 0 (center position). As necessary, use the [SELECT] button and VALUE [▲][▼] buttons to make tuner settings.

Using the Metronome

1. **Press the [⏻] (POWER) button to switch the power on.**

2. **Press the [METRONOME] button to start the metronome.**

   The metronome alternately starts and stops each time you press the [METRONOME] button. As necessary, use the [SELECT] button and VALUE [▲][▼] buttons to make metronome settings.
   If you continue holding down the VALUE [▼] or [▲] button, the tempo value changes rapidly.

* If you turned off the power while using metronome, the metronome starts immediately after you turn on the power.

Batteries

When replacing the batteries, insert two AAA batteries, making sure that the batteries are oriented correctly.
* The display and LED indicators dim when the batteries begin to run down. Replace the batteries as soon as possible.
* Once batteries are installed in the TU-30, settings for the tuner and the metronome can be stored in memory, where they'll be preserved even while the power is turned off. Removing the batteries returns the TU-30 to its original factory settings.
* If no button is pressed for approximately 10 minutes after the power is turned on, the power will automatically turn off. If you don't want the power to turn off automatically, hold down the VALUE [▲] [▼] buttons and press the [⏻] (POWER) button to turn the power on. The next time the power is on, Auto Off function will once again activated.
* If you handle batteries improperly, you risk explosion and fluid leakage. Make sure that you carefully observe all of the items related to batteries that are listed in "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (supplied on a separate sheet).

Specifications

TU-30 Tuner & Metronome

Tuning Range	E0 (20.6 Hz)–C8 (4,186 Hz)
Tuning Accuracy	±1 cent
Input Impedance	680 kΩ
Power Supply	AAA x 2
Current Draw	15 mA (Metronome mode), 8 mA (Tuner mode and A4 = 440 Hz input)
Expected battery life under continuous use	Carbon = approx 50 hours (A4 = 440 Hz continuous input) * These figures will vary depending on the actual conditions of use.
Dimensions	90 (W) x 60 (D) x 25 (H) mm / 3-9/16 (W) x 2-3/8 (D) x 1 (H) inches
Weight	90 g / 4 oz (including battery)
Accessories	Dry Battery (R03 (AAA) Type) x 2, Owner's Manual, Leaflet "USING THE UNIT SAFELY"