

TU-3 Chromatic Tuner

Owner's Manual



Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (supplied on a separate sheet). These sections provide important information concerning the proper operation of the unit. Please read them carefully.

Additionally, in order to ensure that you have gained a good grasp of every feature provided by your new unit, this manual should be read in its entirety. The manual should be saved and kept on hand as a reference guide for future use.

A battery is supplied with the unit. The life of this battery may be limited, however, since its primary purpose was to enable testing.

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Main Features

- High Brightness mode enhances meter visibility outdoors.
- Accu-Pitch Sign function uses position of meter's lights to show the tuning status.
- Guitar/Bass mode lets you tune by string number, with support for 7-string guitars and 5-string basses.
- Flat tuning is supported with Guitar Flat mode, which allows for "down" tunings up to six semitones below standard pitch.
- Switching on the tuner automatically mutes the output signal, allowing you to tune without outputting the sound.

How to Use the Tuner

- Connect the guitar or bass you want to tune to the INPUT jack. (This switches on the power.)
- Press the pedal switch to turn the tuner on. (The CHECK indicator will light.)

3. Play a single note on your guitar or bass, and tune it.

The note name or string number closest to the tone being played appears in the display. Turn the instrument so that both Tuning Guide indicators are lit and the center of the meter is lit green. (Center)

The meter will light further toward the left as the pitch gets flatter, or further toward the right as the pitch gets sharper.

When the Accu-Pitch Sign function is on, the meter lights stream toward the center of the display when stable tuning at the correct pitch is reached.

The behavior described here is when the CENT display is selected (the factory setting); the behavior is different when the STREAM display is selected.

The sound from the OUTPUT jack is muted when the tuner is on.

Convenient Functions

Having the Meter Indicate Completion of Tuning (Accu-Pitch Sign function)

When the Accu-Pitch Sign function is on, the meter lights stream toward the center of the display when stable tuning at the correct pitch is reached.

The behavior described here is when the CENT display is selected (the factory setting); the behavior is different when the STREAM display is selected.

The sound from the OUTPUT jack is muted when the tuner is on.

Precautions When Connecting

- To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before connecting any cables.
- Some connection cables contain resistors. When connecting cables with resistors are used, the sound level may be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.
- Always use the TU-3 for an extended time, we recommend that you use an AC adaptor.
- Once the connections have been completed, turn on power to your various devices in the order specified. By turning on power to your various devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.
- When using the TU-3, turn on the power to your guitar/bass first. When powering down: Turn off the power to your guitar/bass first.
- This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.
- When operating on battery power only, the unit's indicator will become dim several seconds after you've selected this setting.

STREAM display

The meter lights stream toward the left if the input pitch is flat, or toward the right if the input pitch is sharp.

The lights move more slowly as the pitch discrepancy decreases, and stop when the pitch is exact.

The meter lights stream toward the left for several seconds after you've selected this setting.

Changing the Battery

You can adjust the reference pitch over a range of 436-445 Hz. (440 Hz is the factory default).

1. Press the MODE button and STREAM/CENT button simultaneously.

The lowest digit of the current reference pitch (e.g., "0" when set to 440 Hz) will be in the Note Name/String indicator.

2. Press the MODE button or STREAM/CENT button to change the reference pitch.

MODE button: Raises the reference pitch by 1 Hz.

STREAM/CENT button: Lowers the reference pitch by 1 Hz.

If you allow several seconds to elapse without pressing the MODE button or STREAM/CENT button, the TU-3 will return to normal operation.

When you turn on the power, the current reference pitch will be displayed for several seconds.

This setting remains stored even after the power is turned off.

■ Changing the Reference Pitch (High Brightness mode)

By switching the meter to High Brightness mode, you can increase its visibility when performing outdoors.

To switch to High Brightness mode, hold down the STREAM/CENT button for two seconds or longer. To return to normal brightness, hold down the STREAM/CENT button for two seconds or longer again.

Normal brightness is automatically selected when you turn on the power.

Restoring the Original Factory Settings (Factory Reset)

The TU-3 retains the following settings in memory. If desired, you can restore these settings to their factory-set condition.

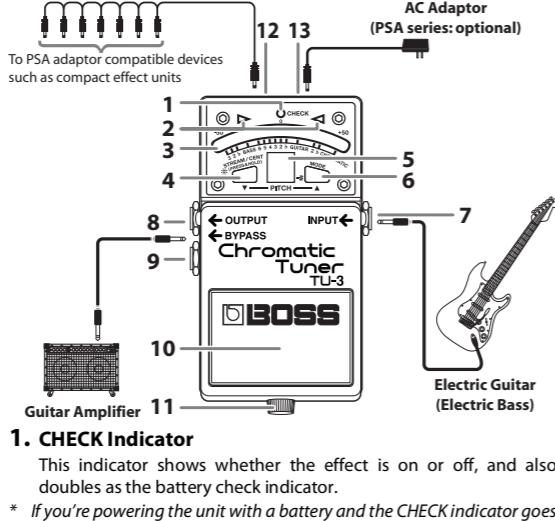
Stored setting	Factory-set state
Tuning mode	Chromatic
Reference pitch	440 Hz
Meter display pattern	CENT display
Accu-Pitch Sign function on/off	On

1. While holding down the MODE button, turn on the power (insert a plug into the INPUT jack).

The green LED in the center of the meter flashes three times, and the TU-3 returns to its normal mode with the original default factory settings restored.

If several seconds elapse without the MODE button being pressed, or if you press any button other than the MODE button, the TU-3 returns to its normal state without restoring the factory settings.

Panel Descriptions



12. DC OUT Jack

When an AC adaptor is used, you can connect a PCS-20A parallel DC cord (optional) to supply power to effects processors and other PSA series compatible devices.

* Power cannot be supplied from the DC OUT jack when the TU-3 is running on batteries.

* The PSA series includes two different adaptive types; one with a maximum output current of 200 mA (0.2 A) and the other 500 mA (0.5 A). If you connect the TU-3 to power supply to effects processors and compatible with PSA series, the total current consumption of all devices(excluding the TU-3) does not exceed the maximum output current of the PSA series unit you're using. The maximum output current is listed in the OUTPUT field of the label affixed to the adaptor itself.

13. AC Adaptor Jack

Accepts an AC adaptor (PSA series: optional). By using an AC adaptor, you can play without being concerned about how much battery power you have left.

* Use only the specified AC adaptor (PSA series), and connect it to an AC outlet of the correct voltage. Do not use any other AC adaptor, since this may cause malfunction.

* We recommend that you keep batteries installed in the unit even if you're powering it with a battery and the CHECK indicator goes dim—or doesn't light at all—when you try to turn the effect on, the battery is near depletion and should be replaced. For instructions on changing the battery, refer to "Changing the Battery."

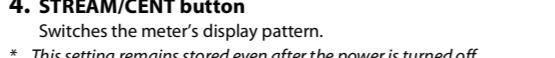
1. CHECK Indicator

This indicator shows whether the effect is on or off, and also doubles as the battery check indicator.

* If you're powering the unit with a battery and the CHECK indicator goes dim—or doesn't light at all—when you try to turn the effect on, the battery is near depletion and should be replaced. For instructions on changing the battery, refer to "Changing the Battery."

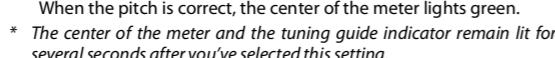
2. Tuning Guide Indicator

Indicates when the proper tuning is reached.



3. Meter

Indicates the tuning of the input sound's pitch.



4. STREAM/CENT button

Controls the tuner's display pattern.

This setting remains stored even after the power is turned off.

CENT display

The meter lights farther toward the left as the pitch gets flatter, or farther toward the right as the pitch gets sharper.

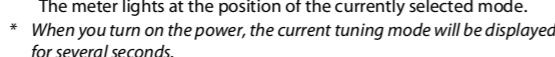
The meter lights stream toward the center of the display when stable tuning at the correct pitch is reached.

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The sound from the OUTPUT jack is muted when the tuner is on.

5. Note Name/String Number Indicator

Indicates the note name, string number, or reference pitch.



6. MODE Button

Changes the mode each time you press the MODE button.

* When you turn on the power, the current tuning mode will be displayed for several seconds.

This setting remains stored even after the power is turned off.

In this example, the Tuning mode is set to GUITAR.

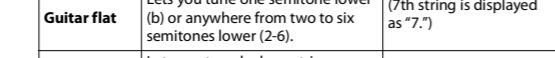
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The lights move more slowly as the pitch discrepancy decreases, and stop when the pitch is exact.

The meter lights stream toward the left for several seconds after you've selected this setting.

7. Note Name/String Number Indicator

Indicates the note name, string number, or reference pitch.



8. MODE Button

Changes the mode each time you press the MODE button.

* When you turn on the power, the current tuning mode will be displayed for several seconds.

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In this example, the Tuning mode is set to GUITAR.

The meter lights stream toward the left if the input pitch is flat, or toward the right if the input pitch is sharp.

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The meter lights stream toward the left for several seconds after you've selected this setting.

9. BYPASS Jack

Connects the tuner to an effects processor, guitar amp, or other such device here.

* The output is muted when the tuner is on.

10. BYPASS Jack

Connects the tuner to an effects processor, guitar amp, or other such device here.

* The output is muted when the tuner is on.

11. Pedal Switch

This switch turns the effect on/off.

12. Thumbscrew

When this screw is loosened, the pedal will open, allowing you to change the battery.

For instructions on changing the battery, refer to "Changing the Battery."

13. MODE button

Raises the reference pitch by 1 Hz.

STREAM/CENT button

Lowers the reference pitch by 1 Hz.

If you allow several seconds to elapse without pressing the MODE button or STREAM/CENT button, the TU-3 will return to normal operation.

When you turn on the power, the current reference pitch will be displayed for several seconds.

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■ Changing the Reference Pitch (High Brightness mode)

By switching the meter to High Brightness mode, you can increase its visibility when performing outdoors.

To switch to High Brightness mode, hold down the STREAM/CENT button for two seconds or longer. To return to normal brightness, hold down the STREAM/CENT button for two seconds or longer again.

Normal brightness is automatically selected when you turn on the power.

Restoring the Original Factory Settings (Factory Reset)

The TU-3 retains the following settings in memory. If desired, you can restore these settings to their factory-set condition.

Stored setting	Factory-set state
Tuning mode	Chromatic
Reference pitch	440 Hz
Meter display pattern	CENT display
Accu-Pitch Sign function on/off	On

1. While holding down the MODE button, turn on the power (insert a plug into the INPUT jack).

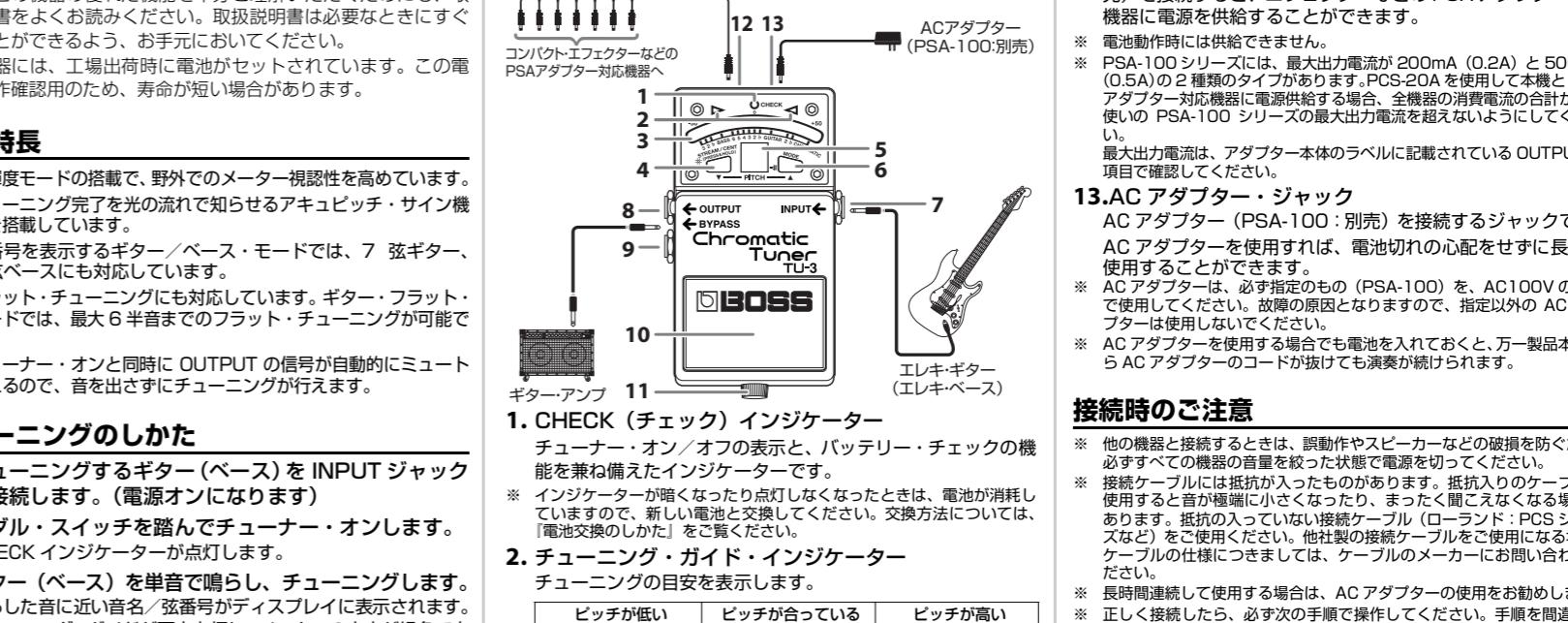
The green LED in the center of the meter flashes three times, and the TU-3 returns to its normal mode with the original default factory settings restored.

If several seconds elapse without the MODE button being pressed, or if you press any button other than the MODE button, the TU-3 returns to its normal state without restoring the factory settings.

TU-3 Chromatic Tuner

取扱説明書

各部の名称と働き



TU-3 Chromatic Tuner

Possa de utilizar-se para uma legge, aumentando as seções intituladas "UTILIZAÇÃO SICURO DELL'UNITÀ" e "NOTAS IMPORTANTE" (ou na parte de "NOTAS IMPORTANTE") fornecidas no manual de instruções da unidade, para avere a segurança de que é possivel obter uma boa consciencia de ogni forma fornida dalla nova unidade, é possivel leggere questo manual nella sua intera extensão e conservar de conservar a porta de manu o Manual come referimento.

Com funda é fornita una bateria. La sua durata tuttavia, potrebbe essere limitata poiché é fornita allo scopo di consentire il test dell'unità.

Funzioni principali

- La modalità "Elevata luminosità aumenta la visibilità dell'indicatore in esterni."
- La funzione Accu-Pitch Sign utilizza il movimento delle spie dell'indicatore per segnalare il completamento dell'accordatura.
- La modalità Chitarra/Bass consente di eseguire l'accordatura in modo normale di corda, con supporto per chitarre a corde e bassi a 6 corde.
- L'accordatura flat è supportata in modalità Chitarra flat, che consente accordatura "verso il basso" fino a sei semitonos al di sotto del tono standard.
- L'accensione dell'accordatore dissipativa automaticamente il segnale di uscita, consentendo di accordare senza emettere suono.

Uso dell'accordatore

1. Collegare la chitarra o il basso da accordare al jack INPUT (l'alimentazione verrà attivata).

2. Premere l'interruttore a pedale per accendere l'accordatore.

Si accenderà l'indicatore CHECK.

3. Suonare una nota sulla chitarra o sul basso e accordarla.

Sul display viene visualizzato il nome della nota o il numero di corde più suonate quando viene riprodotto. Accordare lo strumento fino a quando non si accende l'indicatore CHECK.

Se l'unità è alimentata dalla batteria, vuol dire che la batteria è quasi scatta e deve essere sostituita. Per istruzioni su come sostituire la batteria, vedere la sezione "Sostituzione della batteria".

4. Indicatore CHECK

Questo indicatore segnala se l'effetto è attivo o meno e segnala anche lo stato di carica della batteria.

Se l'unità è alimentata dalla batteria e l'indicatore CHECK si accende o non si accende quando si prova ad attivare l'effetto, vuol dire che la batteria è quasi scatta e deve essere sostituita. Per istruzioni su come sostituire la batteria, vedere la sezione "Sostituzione della batteria".

5. Indicatore Guida per l'accordatura

Indica quando viene raggiunta l'accordatura corretta.

Il tono tende al bimole. L'accordatura è esatta. Il tono tende al diesis.

6. Indicatore

Indica l'accordatura del tono del suono in ingresso.

7. Pulsante STREAM/CENT

Cambia il modello di visualizzazione dell'indicatore.

Questa impostazione rimane memorizzata anche quando l'unità viene spenta.

8. Visualizzazione CENT

L'indicatore si illumina progressivamente verso sinistra man mano che il tono si avvicina al bimole o progressivamente verso destra man mano che il tono si avvicina al diesis.

Quando il tono corretto, il centro dell'indicatore si illumina in verde (visualizzazione CENT).

L'indicatore si illumina progressivamente verso sinistra man mano che il tono si avvicina al bimole o progressivamente verso destra man mano che il tono si avvicina al diesis.

9. Alimentazione

accendere l'indicatore CHECK.

10. Interruttore a pedale

Accendere l'indicatore CHECK.

11. Interruttore a pedale

Accendere l'indicatore CHECK.

12. Interruttore a pedale

Accendere l'indicatore CHECK.

13. Interruttore a pedale

Accendere l'indicatore CHECK.

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