

# GUITAR/BASS TUNER

# GA-1

OWNER'S MANUAL  
MANUEL D'UTILISATION  
BEDIENUNGSANLEITUNG  
MANUAL DEL USUARIO  
取扱説明書

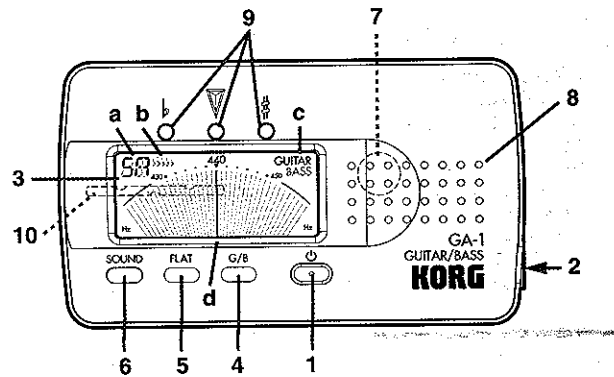
Thank you for purchasing the Korg GUITAR/BASS TUNER GA-1.  
Merci d'avoir fait l'acquisition du ACCORDEUR GUITARE ET BASSE GA-1 Korg.  
Herzlichen Dank für den Kauf des Korg GUITAR/BASS TUNER GA-1.  
Gracias por adquirir el afinador para guitarra y bajo de Korg GA-1.  
このたびはコルグ・ギター/ベース・チューナーGA-1をお買い上げいただき、ありがとうございます。

**KORG** KORG INC. (E)(F)(G)(S)(J)(1)  
4015-2 Yanokuchi, Inagi-city, Tokyo 206-0812, Japan  
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## Controls / Commandes / Bedienelemente

### Controles / Commandes / Bedienelemente

### 各部の名称



- Power switch / Interrupteur d'alimentation / Netzschalter / Interruptor / 電源スイッチ
- INPUT jack / Prise INPUT / INPUT-Buchse / Jack de entrada / INPUT 端子
- Display : a. Note name, b. Flat indicator, c. GUITAR/BASS indicator, d. Meter  
Affichage : a. nom de la note, b. indicateur bémol, c. indicateur GUITAR/BASS, d. aiguille  
Display : a. Notenname, b. Nullwertanzeige, c. Anzeige GUITAR/BASS, d. Meßskala  
Pantalla : a. Nombre de la nota, b. Indicador bémol, c. Indicador GUITARRA/BAJO, d. Aguja  
ディスプレイ : a. 音名表示 b. フラット表示 c. GUITAR/BASS表示 d. メーター
- [GUITAR/BASS] switch / Sélecteur [GUITAR/BASS] / Umschalter [GUITAR/BASS] / Conmutador guitarra/bajo / [GUITAR/BASS]スイッチ
- [FLAT] switch / Sélecteur bémol [FLAT] / [FLAT]-Taste / Conmutador bémol / [FLAT]スイッチ
- [SOUND] switch / Sélecteur de son [SOUND] / [SOUND]-Taste / Interruptor de sonido / [SOUND]スイッチ
- Built-in mic / Micro incorporé / Eingebautes Mikrofon / Micrófono incorporado / 内蔵マイク
- Speaker / Haut-parleur / Lautsprecher / Altavoz / スピーカー
- Tuning guide LEDs / Témoin du guide d'accordage / Abstimm-LEDs / LEDs de afinación / チューニングガイドLED
- Tilt slit:

The slit located on the back of the GA-1 is used to tilt the tuner. Place a guitar pick or similar object in the slit.  
Fente d'inclinaison:  
La fente située à l'arrière du GA-1 est utilisée pour incliner le tuner. Insérez une médiator de guitar ou un objet similaire dans la fente.  
Neigeschlitz:  
Der Schlitz an der Rückseite des GA-1 wird benutzt, um das Stimmgerät neigen zu können. Stecken Sie ein Plektrum oder ein ähnliches Objekt in den Schlitz.  
Ranura para inclinación:  
La ranura está localizada en la parte trasera del GA-1 y se emplea para inclinar el afinador. Inserte una púa de guitarra o similar en esta ranura.  
テイルト・スリット:  
本体裏面のスリットは、チューナーを傾けて使うためのものです。スリットにギター・ピック等をセットしてお使いください。

## Precautions

### Location

Using the unit in the following locations can result in a malfunction.

- In direct sunlight
- Locations of extreme temperature or humidity
- Excessively dusty or dirty locations
- Locations of excessive vibration
- Close to magnetic fields

### Power supply

Be sure to turn the power switch to OFF when the unit is not in use. Remove the battery in order to prevent it from leaking when the unit is not in use for extended periods.

### Interference with other electrical devices

Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

### Handling

To avoid breakage, do not apply excessive force to the switches or controls.

### Care

If the exterior becomes dirty, wipe it with a clean, dry cloth. Do not use liquid cleaners such as benzene or thinner, or cleaning compounds or flammable polishes.

### Keep this manual

After reading this manual, please keep it for later reference.

### Keeping foreign matter out of your equipment

Never set any container with liquid in it near this equipment. If liquid gets into the equipment, it could cause a breakdown, fire, or electrical shock. Be careful not to let metal objects get into the equipment.

### THE FCC REGULATION WARNING (for USA)

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 off 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 into 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.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

### Notice regarding disposal (EU only)

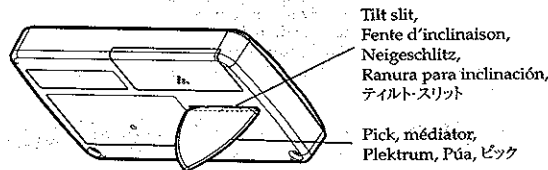
- If this symbol is shown on the product, manual, battery, or package, you must dispose of it in the correct manner to avoid harm to human health or damage to the environment. Contact your local administrative body for details on the correct disposal method. If the battery contains heavy metals in excess of the regulated amount, a chemical symbol is displayed below the symbol on the battery or battery package.

### IMPORTANT NOTICE TO CONSUMERS

This product has been manufactured according to strict specifications and voltage requirements that are applicable in the country in which it is intended that this product should be used. If you have purchased this product via the internet, through mail order, and/or via a telephone sale, you must verify that this product is intended to be used in the country in which you reside.

**WARNING:** Use of this product in any country other than that for which it is intended could be dangerous and could invalidate the manufacturer's or distributor's warranty. Please also retain your receipt as proof of purchase otherwise your product may be disqualified from the manufacturer's or distributor's warranty.

\* All product names and company names are the trademarks or registered trademarks of their respective owners.



## Tuning procedure

### ■ Meter mode

In this mode, the VU style meter shown in the display is used to tune your instrument.

1. If you are using an instrument with a pickup (such as an electric guitar) or a mic, connect the instrument or mic to the **INPUT jack** of the GA-1.

If you wish to tune your instrument using the **built-in mic**, do not connect a plug to the INPUT jack. In steps 4 and 5, place your instrument as close as possible to the built-in mic.

▲ If a plug is connected to the INPUT jack, the built-in mic cannot be used. The INPUT jack is for mono use only. Stereo plugs cannot be used.

2. Press the power switch.

When the power is on for 20 minutes without use, the tuner will automatically turn off to conserve battery life.

3. Press the [GUITAR/BASS] switch to select the instrument that you want to tune.

Each setting allows the following tuning.

GUITAR : 7B, 6E, 5A, 4D, 3G, 2B, 1E

BASS : LB, 4E, 3A, 2D, 1G, HC (LB: Low B, HC: High C)

4. Play a single note on your instrument, and the name of the nearest note will appear in the display. Tune your instrument so that the correct note name is shown in the display.

5. Play a single note on your instrument, and tune it so that the meter needle points to the middle and the center indicator of the tuning guide is lit (if using A=440 Hz as the reference pitch). If your instrument is flat, the left indicator will light. If it is sharp, the right indicator will light.

Each marking in the meter scale corresponds to 2 Hz. For example if you want to tune each string of your instrument using a reference pitch of A=436 Hz, adjust the tuning of each string so that the needle indicates two steps below «440».

▲ While tuning with the onboard mic a quiet environment is recommended for precise tuning.

### ■ Sound mode

In this mode you can tune while listening to a reference pitch.

1. Select the settings described in steps 2-3 of "Meter mode."

2. Press the [SOUND] switch to enter Sound mode.

3. Press the [SOUND] switch until the note to which you wish to tune appears in the display. For the notes that can be output, refer to step 3 of «Meter mode.» When you make a complete cycle, you will return to Meter mode.

- GUITAR will output a pitch that is one octave higher than the actual pitch of your instrument, and BASS will output a pitch that is two octaves higher.

4. Listen to the pitch sounded by the GA-1, and tune your instrument accordingly.

### ● Flat tuning

You can use Meter mode or Sound mode to tune to a pitch that is lowered by 1-5 semitones (♭ - ♭♭♭♭) for the specified note.

1. As described in "Meter mode" or "Sound mode," make the note you wish to flatten by 1-5 semitones appear in the display.

2. Press the [FLAT] switch to select the number of semitones that you wish to lower the selected note.

The display will indicate ♭ - ♭♭♭♭ (1-5 semitones). (This setting is not remembered when you turn the power off.)

3. Tune your instrument.

## Specifications

Tuning	: 12 note equal-tempered
Detection range	: B0♭♭♭♭ (23.12Hz)-B6 (1975.54Hz) : Guitar/Bass tone
Reference tone	: [GUITAR] 7B→6E→5A→4D→3G→2B→1E [BASS] LB→4E→3A→2D→1G→HC (Pitch is 1 octave higher for GUITAR, 2 octaves higher for BASS)
Tuning modes	: METER (AUTO GUITAR/BASS) SOUND (MANUAL GUITAR/BASS)
Flat tuning function	: 1-5 semitones (semitone steps)
Detection accuracy	: ±1 cent
Sound accuracy	: ±1.5 cent
Connection jack	: INPUT jack (1/4" mono)
Power supply	: two AAA batteries 3V
Battery life	: Approximately 100 hours (Conventional batteries, Meter mode, A4 continuous input)
Dimensions	: 102 mm (W) x 59 mm (D) x 16 mm (H) / 4.02" x 2.32" x 0.63"
Weight	: 72g / 2.54 oz : including the battery
Included items	: Owner's Manual, two AAA batteries

\* Specifications and appearance are subject to change without notice for improvement.

## Installing the battery

Slide and remove the battery cover located on the rear of the GA-1. Insert the batteries observing the correct polarity.

If the unit malfunctions and you are unable to correct the problem by turning the power off and on several times, remove the batteries and then reinstall them.

When the batteries run low, the display will blink slowly. Replace the batteries as soon as possible.