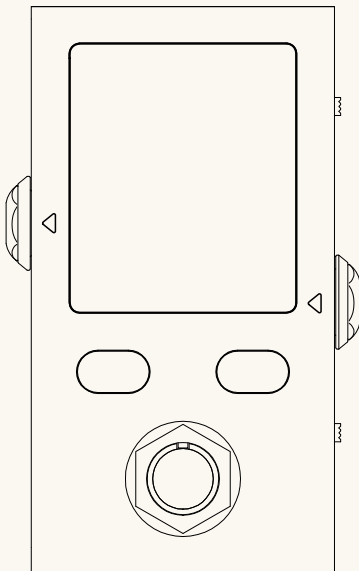


SKYTUNER

调音单块



详细用户手册

本产品可能因技术改进及固件升级而有所调整。本说明书中的产品图片、界面示意及相关说明仅供参考，可能与实际产品存在差异。具体外观、功能及操作方式，请以实际产品和所使用的固件版本为准。产品规格及说明书内容如有更新，恕不另行通知。

This product may be subject to changes due to technical improvements and firmware updates. Product images, interface illustrations, and related descriptions in this manual are for reference only and may differ from the actual product. For the specific appearance, features, and operation, please refer to the actual product and the firmware version in use. Product specifications and the contents of this manual are subject to change without prior notice.

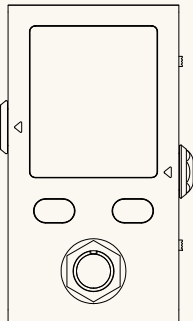
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中文

01 产品概述



SKYTUNER 是一款面向吉他与贝斯的彩屏调音单块。单音 / 复音自动切换：弹奏单根琴弦时进入单音精调；同时弹响并识别到至少 4 根琴弦时进入多弦界面，无需手动切换调音模式。

- 支持六弦、七弦吉他及四弦、五弦贝斯。
- 支持 DROP D、DROP A、整体降半音及吉他整体降全音。
- 提供独立波形显示、MUTE / BYPASS、True Bypass / Buffered Bypass 与 MON 持续监听。

02 使用前须知

- 连接前降低音箱、调音台或其他后级设备的音量。
- 只使用符合额定要求且极性正确的电源；插拔电源或音频线前先关闭相关设备。
- 保持设备干燥，避免液体、高温、强烈冲击和过度潮湿。
- 请勿自行拆卸或改装；清洁时先断开电源，只用柔软干布。

9 V DC 电源必须为中心负极（内负外正），额定电流不低于 300 mA。极性或电压错误可能损坏设备。

03 面板与控件

编号 / 控件	用途
显示屏	显示乐器、调弦、降弦、A4、调音状态和波形信息。
左按键	主界面短按使 A4 降低 1 Hz；设置界面切换上一个选项。
右按键	主界面短按使 A4 升高 1 Hz；设置界面切换下一个选项。
脚踏开关	在 BYP 和 MON 档均可切换 MUTE / BYPASS。
BUFF / TRUE	选择 Buffered Bypass 或 True Bypass。
BYP / MON	选择停止检测的常规旁通，或保持检测的持续监听。

“同时短按”是指同时按下左右两个按键后立即松开；“同时长按约 1 秒”用于进入或退出 SETTINGS。

04 接口、接线与供电

接口	连接方法
INPUT	乐器 → 6.35 mm INPUT。
OUTPUT	6.35 mm OUTPUT → 音箱、效果器链或音频设备输入。
DC INPUT	连接 9 V DC、中心负极、至少 300 mA 的稳压电源。
USB INPUT	连接稳定的 USB 5 V、至少 300 mA 电源；也可用数据线连接电脑。

步骤 1 降低音量

VOLUME -

先降低后级设备音量。

步骤 2 连接音频

INPUT / OUTPUT

将乐器接 INPUT，将 OUTPUT 接后级设备。

步骤 3 接通电源

9 V DC / USB 5 V

最后连接一种合规电源，确认屏幕正常点亮。

步骤 4 开始测试

BYPASS

先以较低音量测试 BYPASS，再进入 MUTE 调音。

9 V DC 供电优先。USB 供电期间插入 9 V DC，设备会重启并切换至 9 V；两种电源同时连接时拔除 9 V，设备会继续使用 USB 供电且不会重启。设备无内置或可安装电池。

05 首次使用与快速调音

实心表示按下的键；空心表示未按；连接符表示两键同时操作。图形仅作操作示意。

步骤 1 选择旁通方式

TRUE / BUFFER

按效果器链需求，将 BUFF / TRUE 拨到 Buffered Bypass 或 True Bypass。

步骤 2 选择工作方式

BYP / MON

需要脚踏静音调音时选择 BYP；需要保持检测时选择 MON。

步骤 3 设置乐器与目标音高



同时长按左右键约 1 秒进入 SETTINGS，先选 INSTRUMENT，再选 TUNING 和 OFFSET；长按双键约 1 秒保存退出。在主界面用左右键设置 A4 参考频率。

步骤 5 逐弦精调



0 CENT

逐根弹奏琴弦，将每根弦调至 0 CENT。

步骤 4 进入静音调音



MUTE / BYPASS

确认当前为 MUTE；如当前为 BYPASS，踩下脚踏切换至 MUTE。输出静音，输入检测继续。

步骤 6 整体复核



6 / 6

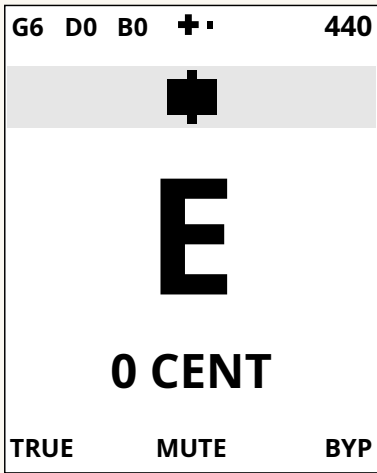
同时扫响并识别至少 4 根琴弦，查看多弦状态；全部调准后显示 HARMONIC LOCK。

在 BYP 档切换 MUTE / BYPASS 时，屏幕可能短暂出现输入反应。请等待显示稳定后再开始调音。

调音时每次只弹奏或扫响一次，等弦音稳定后再判断；避免其他琴弦持续共振。

06 调音界面信息

界面图为依据实机画面重绘的黑白示意；实际显示颜色见下表说明。



01 顶部左侧 / 顶部右侧

当前乐器、调弦方式与降弦量，例如 G6、STD、b0。A4 参考频率，默认 440 Hz。

02 顶部中间

状态图标位于左侧表示偏低，右侧表示偏高；未调准为橙色，调准后回到中央并显示绿色。

03 中央

中央音名：未调准为橙色，调准为绿色。CENT 负数表示偏低，正数表示偏高，0 CENT 表示目标音高。

位置	含义
底部	当前旁通电路、输出状态及 BYP / MON 选择。

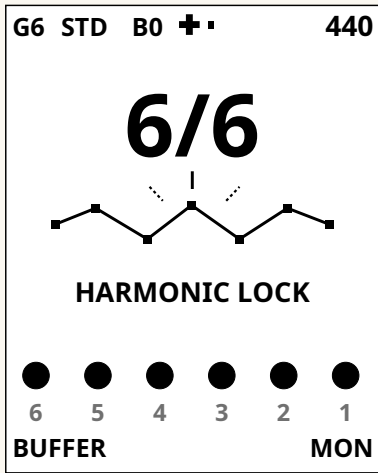
屏幕读数	含义	判断方式
负数 CENT	音高偏低	单独弹奏该弦，微调至 0 CENT
0 CENT	达到目标音高	图标居中；音名与图标显示绿色
正数 CENT	音高偏高	单独弹奏该弦，微调至 0 CENT

A4 参考频率

A4 参考频率范围为 430–450 Hz，默认 440 Hz，单弦和多弦调音共用。在主界面短按左键每次降低 1 Hz，短按右键每次升高 1 Hz；到达 430 或 450 后停在边界，不循环。修改后自动保存。

07 单音与复音自动调音

一次弹响 2~3 根琴弦时仍显示单弦画面；同时弹响并识别到至少 4 根琴弦时，设备自动进入多弦画面。建议先逐弦精调，再用多弦画面整体复核。



01 弦数计数

已识别弦数 / 当前乐器总弦数；例如 5/6。全部识别时分别为 6/6、7/7、4/4 或 5/5。

02 HARMONIC LOCK

全部琴弦调准后直接显示，不会先显示 TO GO 0。

03 圆点顺序

从左到右按最低音弦至最高音弦排列；六弦吉他为第 6 弦至第 1 弦。

显示	含义
灰色圆点	尚未识别到该弦。
橙色圆点	已识别但尚未调准；不表示偏高或偏低，需单独弹奏该弦判断方向。
绿色圆点	该弦已达到目标音高。
TO GO	仍需处理的琴弦数，包含未识别和已识别但未调准的琴弦；每调准一根实时减少。

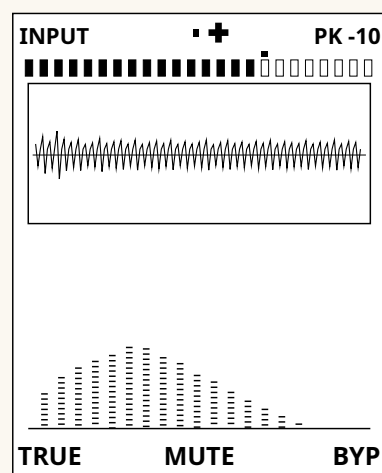
• 显示结果由新的琴弦输入触发更新；再次扫弦发现未调准琴弦时，HARMONIC LOCK 会恢复为 TO GO。

• 降弦（OFFSET）与特殊调弦（DROP D / DROP A）同样适用于单弦和多弦调音。

• 扫弦力度保持均匀，让需要检测的琴弦清楚发声。

08 波形显示模式

在调音主界面同时短按左右键，进入或退出独立波形显示模式。

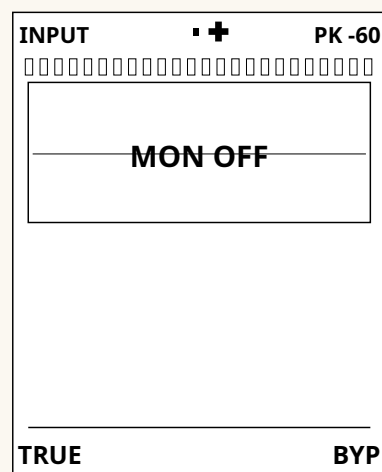


01 输入电平与峰值

INPUT 电平条的绿色标记跟随实时输入，红色标记显示峰值位置；PK 以 dBFS 显示峰值，例如 PK -42 dBFS，0 dBFS 为数字满幅上限。

02 波形与简化频谱

中央显示实时波形，下方显示简化频谱。



01 检测停止，音频仍通过

MON OFF 仅在 BYP 档位且脚踏为 BYPASS 时显示：波形和频谱清空、检测停止；音频仍可通过。

波形页内踩钉仍切换 MUTE / BYPASS。BYP + BYPASS 时检测停止、波形与频谱清空并显示 MON OFF；MON 档下无论 MUTE 或 BYPASS，检测都会继续。

设置 / 状态	信号与检测
BYP + MUTE	输出静音，调音与波形检测工作。
BYP + BYPASS	音频通过，调音与波形检测停止；主界面清中央音名，波形页显示 MON OFF。
MON + MUTE	输出静音，但调音与波形检测继续。
MON + BYPASS	音频通过，调音与波形检测继续。

09 SETTINGS 设置导航

实心表示按下的键；空心表示未按；连接符表示两键同时操作。图形仅作操作示意。

步骤 1 进入设置



在调音主界面同时长按左右键约 1 秒。

步骤 2 切换设置项目



在 SETTINGS 中同时短按左右键，依次切换 INSTRUMENT、TUNING 和 OFFSET。

步骤 3 更改当前选项



短按左键选择上一项，短按右键选择下一项；选项首尾循环。

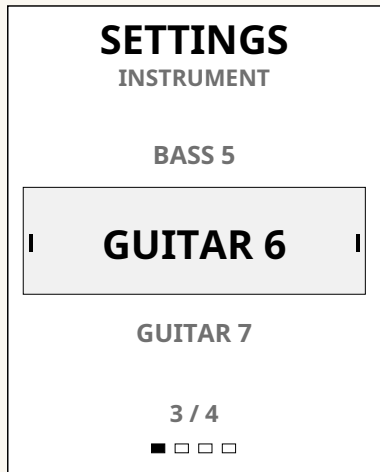
步骤 4 退出并保存



再次同时长按左右键约 1 秒退出；设置自动保存，断电后仍保留。

先设 INSTRUMENT，再核对 TUNING 和 OFFSET。吉他 b2 切换至贝斯时，OFFSET 自动限制为 b1；DROP 类型会自动对应当前乐器支持的 DROP D 或 DROP A。

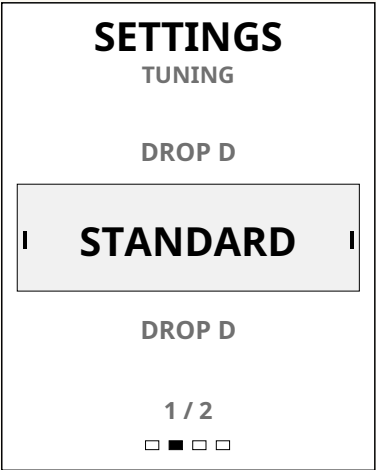
10 INSTRUMENT 乐器设置



屏幕选项	适用乐器
GUITAR 6	六弦吉他
GUITAR 7	七弦吉他
BASS 4	四弦贝斯
BASS 5	五弦贝斯

中央大字为当前选项，上下小字为相邻选项，底部页码显示当前位置。选择与实际乐器一致的弦数，才能获得正确的复音弦位提示。

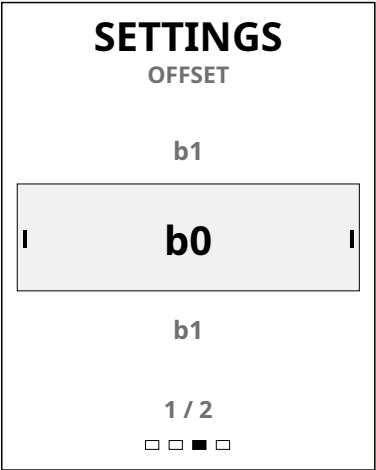
11 TUNING 调弦设置



乐器	标准调弦 / DROP 调弦
GUITAR 6	E-A-D-G-B-E / D-A-D-G-B-E
GUITAR 7	B-E-A-D-G-B-E / A-E-A-D-G-B-E
BASS 4	E-A-D-G / D-A-D-G
BASS 5	B-E-A-D-G / A-E-A-D-G

STANDARD 为标准调弦。DROP D 用于六弦吉他或四弦贝斯的对应降 D 配置；DROP A 用于七弦吉他或五弦贝斯的对应降 A 配置。实际可选项会随 INSTRUMENT 改变。

12 OFFSET 降弦与 A4



选项	含义
b0	关闭整体降弦。
b1	全部琴弦整体降低半音；吉他和贝斯均支持。
b2	全部琴弦整体降低全音；六弦、七弦吉他支持。

A4 参考频率范围为 430–450 Hz，默认 440 Hz，单弦和多弦调音共用。在主界面短按左键每次降低 1 Hz，短按右键每次升高 1 Hz；到达 430 或 450 后停在边界，不循环。修改后自动保存。

13 MUTE、BYPASS 与 MON

设置 / 状态	信号与检测
BYP + MUTE	输出静音，调音与波形检测工作。
BYP + BYPASS	音频通过，调音与波形检测停止；主界面清空中央音名，波形页显示 MON OFF。
MON + MUTE	输出静音，但调音与波形检测继续。
MON + BYPASS	音频通过，调音与波形检测继续。
True Bypass	旁通时采用真实旁通路径；完全断电时仍可直通信号。
Buffered Bypass	旁通时由缓冲电路驱动输出；完全断电时不能通声。

BYP 和 MON 档下，脚踏都用于切换 MUTE / BYPASS；重新上电后恢复上次关机前的状态。完全断电且选择 TRUE 时，脚踏仍可切换直通与静音。

14 应用场景与推荐设置

应用场景	推荐设置与步骤
演出前快速检查	选对 INSTRUMENT / TUNING / OFFSET；先逐弦精调，再同时扫响至少 4 根琴弦进行整体复核。
舞台静音调音	BYP / MON 选择 BYP；踩到 MUTE，确认底部显示 MUTE 后调音。
排练中持续查看音准	选择 MON，使输出正常通过并持续观察调音。
DROP 演奏	六弦吉他或四弦贝斯选 DROP D；七弦吉他或五弦贝斯选 DROP A。
整体降弦	半音降弦选 b1；六弦或七弦吉他降全音选 b2。
长线材或多设备链	先试听 Buffered Bypass；若希望真实旁通路径，再比较 True Bypass。

任何场景中，先确认乐器与调弦设置，再判断音准。更换吉他或贝斯后不要沿用未经核对的旧设置。

15 固件维护与技术规格

步骤 1 安装工具

ToneCommand

在 Windows 或 macOS 电脑上安装当前提供的 ToneCommand。

步骤 2 连接

USB-C

用支持数据传输的 USB-C 线连接设备；电脑 USB 可单独供电，无需另接 9 V。

步骤 3 执行升级

USB / POWER

在 ToneCommand 中选择 SKYTUNER，并按提示完成；期间不要断开 USB 或电源。

步骤 4 连接中断

USB-C

重新连接 USB 后，再次执行升级。

项目	规格
调音精度	±1 cent
显示	1.8 英寸彩色 LCD
输入	6.35 mm；输入阻抗 1 MΩ
输出	6.35 mm；输出阻抗 100 Ω
DC 供电	9 V DC，中心负极，至少 300 mA
USB 供电	USB 5 V，至少 300 mA；不支持 USB 音频录制
尺寸	93.2 × 50 × 40.2 mm
重量	约 165 g

包装内容：SKYTUNER、USB-A 转 USB-C 数据线和纸质说明书；不含 9 V 电源适配器。

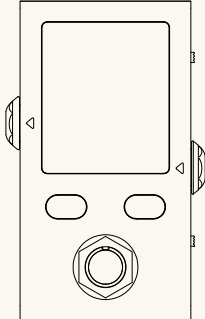
16 故障排查与合规

现象	处理方法
无显示或反复重启	检查电源电压、极性和电流；USB 供电时更换稳定电源及线材。
没有输入反应	确认乐器接 INPUT、线材正常，并提高乐器音量。
扫弦后未进入多弦界面	确认 INSTRUMENT 正确，并均匀扫响至少 4 根琴弦。
弦位或目标音不正确	重新核对 INSTRUMENT、TUNING 和 OFFSET。
BYPASS 时没有检测	BYP 档属于正常现象；需要持续检测请改用 MON。
输出没有声音	检查是否为 MUTE；确认 OUTPUT 接线与后级音量。
音高与其他乐器不一致	核对 A4 参考频率，通常使用 440 Hz。
升级无法开始	确认已使用 ToneCommand 和可传输数据的 USB-C 线。

产品及包装上的合规标志仅适用于对应认证与销售区域。请按当地电子废弃物规定处理设备，不要与普通生活垃圾混合丢弃。

English

01 Product Overview



SKYTUNER is a color-display tuner pedal for guitar and bass. Single-note and multi-string tuning switch automatically: play one string for precise tuning, or sound and detect at least four strings together to open the multi-string view.

- Supports six- and seven-string guitars and four- and five-string basses.
- Supports DROP D, DROP A, half-step-down tuning and full-step-down tuning for guitar.
- Includes a separate waveform view, MUTE / BYPASS, True Bypass / Buffered Bypass and continuous MON monitoring.

02 Before You Begin

- Turn down amplifiers, mixers and other downstream equipment before connecting.
- Use only a supply with the correct rating and polarity; power down related equipment before changing power or audio connections.
- Keep the unit dry and protect it from liquids, excessive heat, impact and humidity.
- Do not disassemble or modify it. Disconnect power and use only a soft, dry cloth for cleaning.

The 9 V DC supply must be center-negative and rated for at least 300 mA. Incorrect voltage or polarity may damage the unit.

03 Panel and Controls

Control	Purpose
Display	Shows instrument, tuning, offset, A4, tuning status and waveform information.
Left button	On the main view, lowers A4 by 1 Hz; in Settings, selects the previous option.
Right button	On the main view, raises A4 by 1 Hz; in Settings, selects the next option.
Footswitch	Switches MUTE / BYPASS in both BYP and MON.
BUFF / TRUE	Selects Buffered Bypass or True Bypass.
BYP / MON	Selects bypass with detection stopped or continuous monitoring with detection active.

“Press together briefly” means press and release both buttons together. Hold both buttons for about 1 second to enter or leave SETTINGS.

04 Connections and Power

Connector	Connection
INPUT	Instrument → 6.35 mm INPUT.
OUTPUT	6.35 mm OUTPUT → amplifier, pedal chain or audio input.
DC INPUT	Connect a regulated 9 V DC, center-negative supply rated for at least 300 mA.
USB INPUT	Connect a stable USB 5 V supply rated for at least 300 mA; a data cable can also connect the unit to a computer.

STEP 1 Turn down the system

VOLUME -

Lower the volume of downstream equipment.

STEP 2 Connect audio

INPUT / OUTPUT

Connect the instrument to INPUT and OUTPUT to the downstream device.

STEP 3 Apply power

9 V DC / USB 5 V

Connect one compliant power source last and confirm that the display starts normally.

9 V DC has priority. Connecting 9 V while using USB power restarts the unit and changes it to 9 V. If both are connected, removing 9 V continues USB power without a restart. The unit has no internal or installable battery.

STEP 4 Test

BYPASS

Test BYPASS at low volume before entering MUTE for tuning.

05 First Use and Quick Tuning

Filled keys indicate a press; outlined keys are not pressed. A connecting line means press both together. Symbols illustrate actions only.

STEP 1 Choose a bypass path

TRUE / BUFFER

Set BUFF / TRUE to Buffered Bypass or True Bypass for the pedal chain.

STEP 2 Choose an operating mode

BYP / MON

Select BYP for silent tuning, or MON to keep detection active.

STEP 3 Set the instrument and target pitch



Hold both buttons for about 1 second to enter SETTINGS. Select INSTRUMENT first, then TUNING and OFFSET. Hold both again for about 1 second to save and exit. Set the A4 reference frequency with the left/right buttons on the main screen.

STEP 4 Start silent tuning



MUTE / BYPASS

Check that MUTE is active. If BYPASS is active, press the footswitch to select MUTE. The output is muted while input detection continues.

STEP 5 Fine-tune each string



0 CENT

Play the strings individually and adjust each one to 0 CENT.

STEP 6 Check the instrument



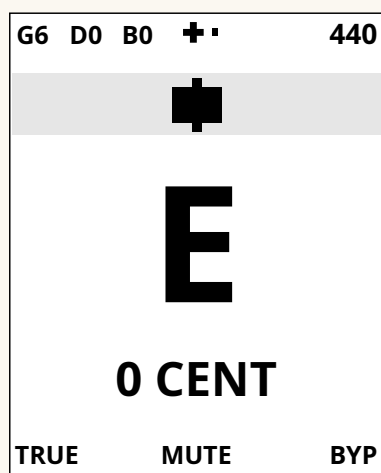
Sound and detect at least four strings together. HARMONIC LOCK appears when all strings are in tune.

In BYP, switching MUTE / BYPASS may cause a brief input response on the display. Wait for the display to settle before tuning.

Pluck or strum once and allow the note to settle before judging it. Dampen strings that should not continue ringing.

06 Reading the Tuning View

These black-and-white interface illustrations are redrawn from the device screens. Actual display colors are described below.



01 Top left / Top right

Current instrument, tuning and offset, such as G6, STD and b0. A4 reference frequency; default 440 Hz.

02 Top center

The status icon moves left for flat notes and right for sharp notes. It is orange while out of tune, then returns to the center and turns green when in tune.

03 Center

The central note name is orange when out of tune and green when in tune. Negative CENT values mean flat, positive values mean sharp; 0 CENT indicates the target pitch.

Area	Meaning
Bottom	Current bypass circuit, output state and BYP / MON selection.

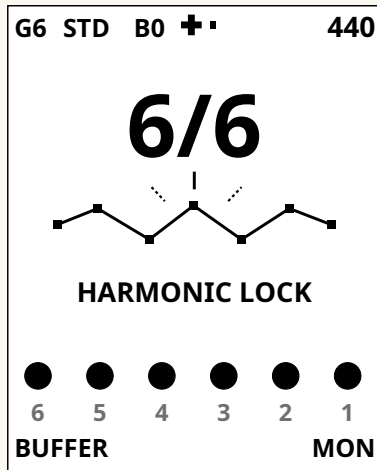
Reading	Meaning	What to check
Negative CENT	Flat	Play the string alone; adjust toward 0 CENT
0 CENT	Target pitch	Icon centered; note name and icon turn green
Positive CENT	Sharp	Play the string alone; adjust toward 0 CENT

A4 reference frequency

The A4 reference range is 430–450 Hz and defaults to 440 Hz for both single-string and multi-string tuning. Press left or right on the main view to change it by 1 Hz. At 430 or 450 it remains at the limit and does not wrap. Changes are saved automatically.

07 Automatic Single-Note and Multi-String Tuning

Sounding two or three strings keeps the single-string view. Sound and detect at least four strings together to open the multi-string view. Fine-tune each string first, then use the multi-string view as a final check.



01 String count

Detected strings / total strings for the selected instrument, for example 5/6. Complete detection shows 6/6, 7/7, 4/4 or 5/5.

02 HARMONIC LOCK

Appears directly when all strings are in tune; TO GO 0 is not shown first.

03 Indicator order

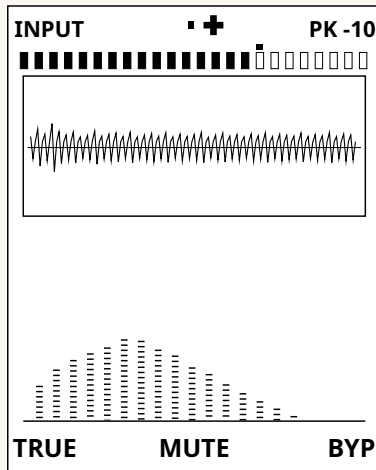
Left to right, from the lowest-pitched string to the highest; string 6 to string 1 on a six-string guitar.

Display	Meaning
Gray indicator	The string has not been detected.
Orange indicator	Detected but not in tune; play it alone to see whether it is sharp or flat.
Green indicator	The string is in tune.
TO GO	The number of strings still requiring attention, including undetected strings and detected strings not yet in tune. It decreases as each string reaches its target pitch.

- A new strum updates the result. If a string is then out of tune, HARMONIC LOCK changes back to TO GO.
- OFFSET and alternate tunings (DROP D / DROP A) apply to both single-string and multi-string tuning.
- Strum evenly so the required strings sound clearly.

08 Waveform View

Press both buttons together briefly on the tuning main view to enter or leave the waveform view.

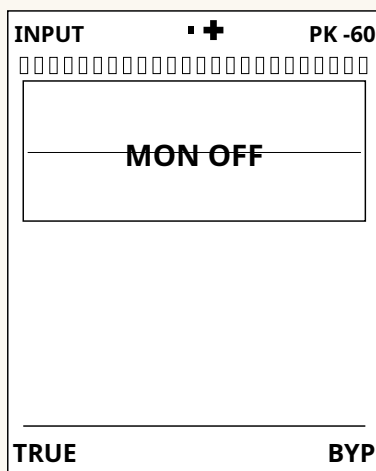


01 Input level and peak

The green INPUT marker follows the live level; the red marker shows the peak. PK reports that peak in dBFS, for example PK -42 dBFS; 0 dBFS is the digital full-scale ceiling.

02 Waveform and spectrum

The center shows the waveform and the lower area shows a simplified spectrum.



01 Detection stops; audio passes

MON OFF appears only with the BYP switch selected and the footswitch in BYPASS: the waveform and spectrum are cleared and detection stops; audio still passes through.

The footswitch still changes MUTE / BYPASS here. BYP + BYPASS stops detection, clears the waveform and spectrum, and shows MON OFF. In MON, detection continues in both MUTE and BYPASS.

Setting / state	Signal and detection
BYP + MUTE	Output is muted; tuning and waveform detection remain active.
BYP + BYPASS	Audio passes; tuning and waveform detection stop. The note is cleared, and the waveform view shows MON OFF.
MON + MUTE	Output is muted, but tuning and waveform detection continue.
MON + BYPASS	Audio passes and detection continues.

09 Navigating SETTINGS

Filled keys indicate a press; outlined keys are not pressed. A connecting line means press both together. Symbols illustrate actions only.

STEP 1 Enter Settings



Hold both buttons together for about 1 second on the tuning main view.

STEP 2 Change the setting page



In SETTINGS, press both buttons together briefly to cycle through INSTRUMENT, TUNING and OFFSET.

STEP 3 Change the option



Press left for the previous option or right for the next. Options wrap from the last item to the first.

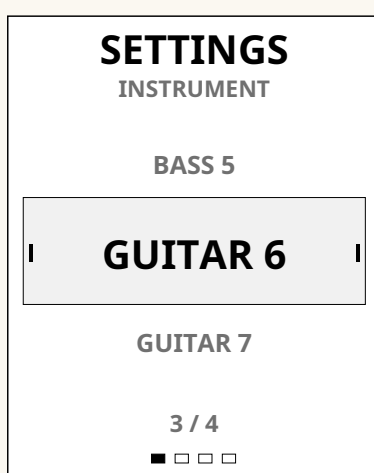
STEP 4 Exit and save



Hold both buttons together for about 1 second. Settings are saved and retained after power-off.

Set INSTRUMENT first, then check TUNING and OFFSET. Guitar b2 changes to b1 when switching to bass. DROP automatically maps to the DROP D or DROP A option supported by the selected instrument.

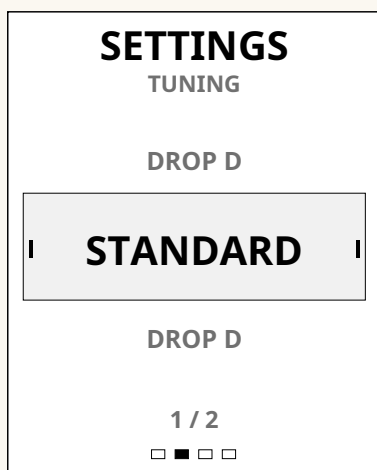
10 INSTRUMENT Setting



Display option	Instrument
GUITAR 6	Six-string guitar
GUITAR 7	Seven-string guitar
BASS 4	Four-string bass
BASS 5	Five-string bass

The large center label is the selected option; smaller labels above and below are adjacent options, and the page count shows its position. Match the actual string count for correct multi-string indicators.

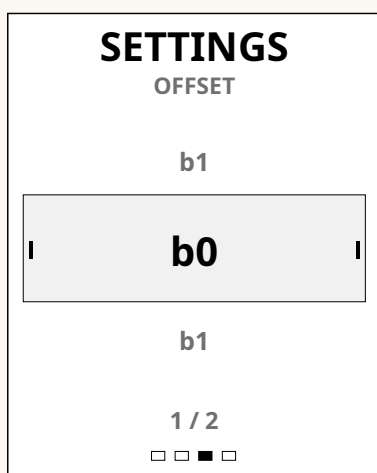
11 TUNING Setting



Instrument	Standard tuning / DROP tuning
GUITAR 6	E-A-D-G-B-E / D-A-D-G-B-E
GUITAR 7	B-E-A-D-G-B-E / A-E-A-D-G-B-E
BASS 4	E-A-D-G / D-A-D-G
BASS 5	B-E-A-D-G / A-E-A-D-G

STANDARD is standard tuning. DROP D applies to the supported six-string guitar or four-string bass configuration. DROP A applies to the supported seven-string guitar or five-string bass configuration. Available options follow the selected INSTRUMENT.

12 OFFSET and A4 Reference



Option	Meaning
b0	No global tuning offset.
b1	All strings one semitone lower; available for guitar and bass.
b2	All strings one whole tone lower; available for six- and seven-string guitar.

The A4 reference range is 430–450 Hz and defaults to 440 Hz for both single-string and multi-string tuning. Press left or right on the main view to change it by 1 Hz. At 430 or 450 it remains at the limit and does not wrap. Changes are saved automatically.

13 MUTE, BYPASS and MON

Setting / state	Signal and detection
BYP + MUTE	Output is muted; tuning and waveform detection remain active.
BYP + BYPASS	Audio passes; tuning and waveform detection stop. The note is cleared, and the waveform view shows MON OFF.
MON + MUTE	Output is muted, but tuning and waveform detection continue.
MON + BYPASS	Audio passes and detection continues.
True Bypass	Uses a true-bypass path; audio can pass even when the unit is fully unpowered.
Buffered Bypass	Uses a buffered path; audio cannot pass when the unit is fully unpowered.

In both BYP and MON, the footswitch changes MUTE / BYPASS. The previous state is restored after power-up. With no power and TRUE selected, the footswitch can still change pass-through / mute.

14 Application Setups

Application	Recommended setup
Fast pre-show check	Set INSTRUMENT / TUNING / OFFSET, fine-tune each string, then sound at least four strings together for a final check.
Silent stage tuning	Select BYP, step to MUTE, confirm MUTE at the bottom of the display, then tune.
Continuous rehearsal monitoring	Select MON so that audio passes while pitch remains visible.
DROP performance	Use DROP D for six-string guitar or four-string bass; use DROP A for seven-string guitar or five-string bass.
Global down-tuning	Select b1 for a half step; select b2 for a whole step on six- or seven-string guitar.
Long cable or large pedal chain	Try Buffered Bypass first, then compare True Bypass if a direct bypass path is preferred.

Always confirm the instrument and tuning settings before judging pitch. Recheck settings whenever changing between guitar and bass.

15 Firmware Maintenance and Specifications

STEP 1 Install

ToneCommand

Install the currently supplied ToneCommand on Windows or macOS.

STEP 2 Connect

USB-C

Use a data-capable USB-C cable. Computer USB can power the unit without a separate 9 V supply.

STEP 3 Update

USB / POWER

Select SKYTUNER in ToneCommand and follow the prompts. Do not disconnect USB or power.

STEP 4 If interrupted

USB-C

Reconnect USB and run the update again.

Item	Specification
Tuning accuracy	±1 cent
Display	1.8-inch color LCD
Input	6.35 mm; 1 MΩ input impedance
Output	6.35 mm; 100 Ω output impedance
DC power	9 V DC, center-negative, at least 300 mA
USB power	USB 5 V, at least 300 mA; USB audio recording is not supported
Dimensions	93.2 × 50 × 40.2 mm
Weight	Approx. 165 g

Package contents: SKYTUNER, USB-A to USB-C data cable and printed manual. A 9 V power adapter is not included.

16 Troubleshooting and Compliance

Symptom	Action
No display or repeated restart	Check supply voltage, polarity and current. For USB power, replace the supply and cable with stable ones.
No input response	Confirm that the instrument is connected to INPUT, the cable works and instrument volume is raised.
Multi-string view does not appear	Confirm INSTRUMENT and sound at least four strings evenly.
Wrong string position or target note	Recheck INSTRUMENT, TUNING and OFFSET.
No detection in BYPASS	This is normal in BYP; select MON for continuous detection.
No output sound	Check whether MUTE is active; verify OUTPUT wiring and downstream volume.
Pitch disagrees with another instrument	Check the A4 reference frequency; 440 Hz is commonly used.
Update does not start	Use ToneCommand and a data-capable USB-C cable.

Compliance marks on the product and packaging apply only to the corresponding approvals and sales regions. Dispose of the unit under local electronic-waste rules, not with ordinary household waste.

