

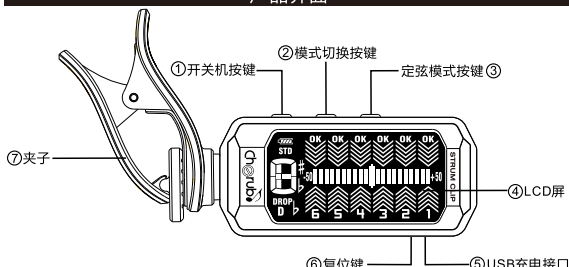


WST-930 扫弦夹式校音器

使用说明书

感谢您购买小天使WST-930扫弦夹式校音器。蔚科工程师经过多年研究，终于攻克了通过震动信号识别复音信号这一难题，其成果就是WST-930—全世界首款扫弦夹式校音器。只需简单扫过所有琴弦，就可以清楚的观察到每一根琴弦的音准，是您练习演出都必不可少的好帮手。

产品界面



产品特点

- 夹式校音器，体积轻巧，方便携带。
- 复音检测功能，同时监测吉他6根弦的音准状态，快速准确。
- 彩色LED屏幕显示。
- USB充电。

操作说明

1. 开关机键
长按打开和关闭校音器。
2. 模式切换键
按AUTO/CHRO键可切换十二平均律模式与自动识别模式。
3. 定弦模式切换键
按MODE键可在多弦模式下切换三种定弦模式。

自动识别模式

1. 多弦校音
a) 按①电源键开机，默认进入自动识别多弦校音模式（如右图所示）。



- b) 一次拨动6根弦，界面将实时显示6根弦的音准状态。

注：数字6-1表示弦序；
中间的白色竖线表示此弦有信号；
红色箭头表示音偏高；
黄色箭头表示音偏低；
没有箭头并出现OK表示音已校准。



- c) 当某根弦没有信号时，只显示弦序的数字，竖线不显示。



- d) 在多弦校音模式下，按③MODE定弦模式按键调整吉他的定弦模式：STD, DROP D, ♭。

	6	5	4	3	2	1
STD	E	A	D	G	B	E
DROP D	D	A	D	G	B	E
♭	E♭	A♭	D♭	G♭	B♭	E♭



2. 单弦校音

- a) 在自动识别模式下，只拨动单根弦，将自动转为单弦模式(如右图所示)。

注：字母表示音名，白色竖线表现音高状态。



音偏低



音准



音偏高

十二平均律模式

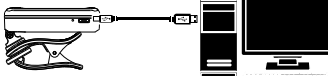
按②AUTO/CHRO模式切换按键可将自动识别模式切换成十二平均律模式，在此模式下只能单弦校音，显示方法与自动识别模式的单弦校音一样。

⚠ 注意：如果本机出现死机或其它异常情况，请短按复位键，进行复位操作。

电池充电

本机内置锂电池，当显示屏出现“⚡”图标时，请进行充电操作：

- ⚠ 注意：**为了保证电池的使用寿命和安全，请使用随机附带的USB充电线充电。



技术规格

- 校音模式：自动识别模式与十二平均律模式
- 校音范围：A₀ (27.5Hz) - C₈ (4186.0Hz)
- 定弦模式：STD, DROP D, ♭
- 校音精度：
单弦模式：±3音分
多弦模式：±5音分
- 功耗：60mA
- 电源：内置锂电池，Micro USB充电接口
- 体积：67(L)x 45(W)x 32(H)mm
- 重量：46g

*技术规格如有变更，恕不另行通知。

注意事项

- 使用环境：
1. 避免在高温、潮湿、零下等恶劣的环境中使用。
2. 避免在强光下使用。
- 请勿自行拆卸本机。
- 请保存好本手册以便以后查阅。

随机附件

- 操作说明书 ● USB充电线

⚠ 注意：我们的产品使用的是聚合物锂电池，在使用产品前，请先行给本产品充电；若长时间不使用，超过三个月后给本产品充电一次或激活。

质量承诺

亲爱的小天使用户：

在您使用小天使产品时，请仔细参阅产品说明书，当您有疑问和困难时，请拨打售后服务热线：400-990-9866

- 一周内出现质量问题可退货退款
- 一年内出现质量问题可免费维修
- 一月内出现质量问题可换
- 终身享有咨询和维修服务

[请向销售商索取有效购买凭证并予以保存]

换修政策

一、包换政策：

1. 消费者自购机之日起1个月之内，在正常使用情况下，出现非人为的产品性能故障，且产品外观及包装保持完好的可向所购机的经销商换机。
2. 消费者在换机时应出示由经销商开出的购机收据及保修卡，否则经销商可以不予更换。

二、保修政策：

产品在购买之日起1年内，可免费享有维修服务；对于超过1年的产品及人为或不可抗力因素造成损坏的产品，我司可提供有偿维修服务。

广东省珠海市金鼎镇科技九路10号
珠海市蔚科科技开发有限公司 售后服务部
邮编：519085



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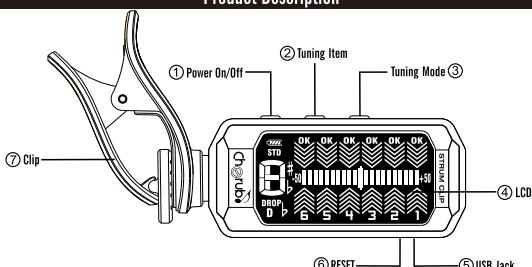


WST-930 Strum-Clip Tuner

Owner's Manual

Thank you for selecting the Cherub WST-930 Strum-Clip Tuner. After years of research, Cherub's engineers finally conquered the difficult problem of identifying the polyphonic signal by vibration. The result is the WST-930, which is the first strum-clip tuner in the world. Just strum all the strings, and you will know if each string is in tune. WST-930 is your best friend to help your practice and performance.

Product Description



Features

- Clip-on tuner, light and portable.
- Polyphonic detection, can detect all 6 strings at the same time, fast and accurate.
- Color display.
- USB rechargeable battery.

Operation Instruction

1. POWER ON/OFF

Long press ① Power on/off button to turn on/off.

2. AUTO/CHRO

Press ② AUTO/CHRO button to switch tuning item: CHROMATIC and AUTO.

3. MODE

In polyphonic mode, press ③ MODE button to select the tuning modes: STD, DROP D, ♭.

Auto

1. Polyphonic mode

a) Press ① to turn on, the default mode is polyphonic mode.



b) Strum all 6 strings at one time, the display will show the status of all 6 strings.

NOTE: Number 6 to 1 are the orders of strings. The white vertical bar in the middle means the related string has signal in. When it is sharp, it shows by red arrow; when it is flat, it shows by yellow arrow; and when it is in tune, it displays OK without any arrow.



c) When a string has no signal input, it only displays the number of the string, but do not display the vertical bar.



d) In polyphonic mode, press ③ MODE button to adjust the tuning modes: STD, DROP D, ♭.

	6	5	4	3	2	1
STD	E	A	D	G	B	E
DROP D	D	A	D	G	B	E
♭	E $\flat$	A $\flat$	D $\flat$	G $\flat$	B $\flat$	E $\flat$



2. Single string mode

If you play a single string, it will change to single string mode automatically.



Flat



In tune



Sharp

Chromatic

Press ② AUTO/CHRO button to switch AUTO to CHROMATIC. In this mode you can only tune the strings one by one, and it displays as same as the single string mode of AUTO mode.

NOTE: If WST-930 occurs crash or other accident, please click the reset to restore to factory settings.

About Battery

WST-930 can be recharged through Micro USB interface. When the LCD shows the icon "⚡", please recharge it as soon as possible.

NOTE: To ensure the battery life and safety, please use the attached USB cable to recharge the unit.



Specifications

- Tuning Item: AUTO, Chromatic
- Tuning range: A $_1$ (27.5Hz)- C $_3$ (4186Hz)
- Tuning mode: STD, DROP D, ♭
- Accuracy:
 - Single string mode: ± 3 cent
 - Polyphonic mode: ± 5 cent
- Power consumption: 60mA
- Power: built-in lithium battery, recharge by USB
- Dimensions: 67(L)x 45(W)x 32(H)mm
- Weight: 46g

*Specification may change without notice.

Precautions

- Environment:
 1. Do NOT use the tuner in high temperature, or high humidity, or subzero environments.
 2. Do NOT use the tuner in the direct sunlight.
- Please do NOT disassemble the tuner by yourself.
- Please keep this manual for future reference.

Accessories

- Owner's manual
- USB charging cable

NOTE: Our product uses Li-polymer battery, before using the product, please charge the battery first. When not using for a long period, charge or activate it in 3 months.

THE FCC REGULATION WARNING (for U.S.A.)

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.

CE mark for European Harmonized Standards

CE Mark which is attached to our company's products of Battery mains the product is in fully conformity with the harmonized standard(s) EN 61000-6-3:2007+A1:2011 & EN 61000-6-1:2007 Under the Council Directive 2004/108/ EC on Electromagnetic Compatibility.