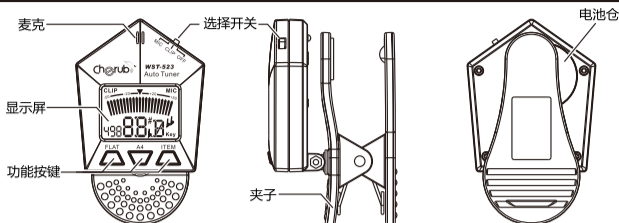


# WST-523 夹式自动校音器 使用说明书

感谢您购买小天使WST-523夹式自动校音器。在您首次使用本产品前，请花几分钟时间阅读一下本使用说明书。

## 产品界面



## 产品特点

- 夹式校音器，内置蜂鸣片拾音。
- 多种校音模式可选。
- 仿真指针显示校音结果，更方便直观。
- 带背光的LCD显示屏。

## 操作说明

1. 开机并选择校音器拾音方式（将拨档开关拨至“CLIP”或“MIC”处，以选择校音器的音频信号拾取方式）。

拨至“CLIP”处时：校音器处于振动检测状态，此状态只用于对乐器发音时振动频率的检测。

- ⚠ 1. 此功能适用于校音场所的噪音干扰较大时，可防止校音器误检测。
- 2. 使用此状态校音时，请利用机器自身的拾音夹固定于乐器或琴体上，以确保本校音器良好拾取该乐器的振动信号。（以不影响演奏及乐器发音为准）

拨至“MIC”处时：校音器处于声音检测状态，此状态用于乐器发音时的频率检测。

- ⚠ 1. 当被校乐器（不易）固定本校音器时，请选择此功能。
- 2. 使用此状态校音时，请确保校音场所无噪音干扰，以便您更好的完成乐器的音准调试过程。

2. 校音项目选择：开机状态下按“ITEM”键可选择校音项目。

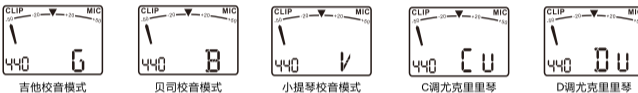
校音调整顺序及范围：（初始）C<sub>key</sub> → F<sub>key</sub> → B<sub>key</sub> → E<sub>key</sub> → G → B → V → Cu → Du

当设定校音项目为C<sub>key</sub>、F<sub>key</sub>、B<sub>key</sub>、E<sub>key</sub>时（调式校音）：C<sub>key</sub> → 十二平均律

F<sub>key</sub>、B<sub>key</sub>、E<sub>key</sub> → F（调）、B<sup>b</sup>（调）、E<sup>b</sup>（调）校音，使用于部分管乐的音准检测。

- ⚠ 在C、F、B<sup>b</sup>、E<sup>b</sup>调校音项目下校音检测时只显示该乐器的对应音名。

当设定校音项目为G、B、V、Cu、Du时（乐器校音）：



- ⚠ 在乐器校音项目下进行校音检测时，校音器显示该乐器音的对应音名及弦序。

3. 校音中心频率调整(A4调整)

按“A4”键可在430~450Hz范围内调整校音器的校音中心频率。

- ⚠ 校音器默认校音中心频率为“440Hz”，当调整数值大于默认中心频率时，被校乐器校音完毕后，该乐器所发音的音准将整体偏高，反之则发音音准整体降低。

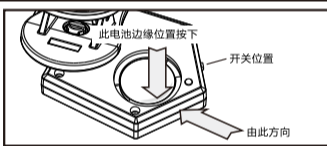
4. 降调校音设置

G或B校音模式下按“FLAT”键可设定降小二度校音，再按该键将继续降小二度校音，再按则退出降调校音模式。

- ⚠ 此功能只能在以上两种校音项目内设置，其余校音项目模式按此“FLAT”键无效!

## 电池安装

打开电池盖后，请按右图中箭头方向用指尖顶压电池边缘，电池将自动弹出。



## 技术规格

- 校音范围：A<sub>0</sub> (27.5Hz) ~ A<sub>6</sub> (1760.0Hz)
- 校音项目：十二平均律、吉他、贝司、小提琴、C调尤克里里、D调尤克里里、管乐
- 校音调式：C、F、B<sup>b</sup>、E<sup>b</sup>
- 校音精度：±1音分
- A4范围：430~450Hz
- 拾音方式：麦克风、拾音夹
- 降半调：b bb
- 显示方式：LCD
- 校音方式：自动
- 电源：3V(CR2032)Lithium battery
- 体积：78(L)x 48(W)x 38(H)mm
- 重量：66g
- \* 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。

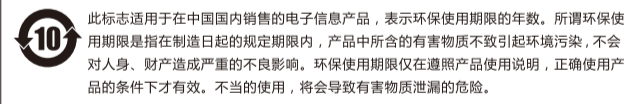
## 随机附件

- 操作说明书 ● 3V(CR2032)锂电池 ● 合格证

## 有关产品中所含有害物质的说明

本资料就本公司产品中所含的特定有害物质及其安全性予以说明。

本资料适用于2007年3月1日以后本公司所制造的产品。



## 产品中有毒有害物质或元素的名称及含量

部件名称	有害有毒物质或元素					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
外壳(壳体)	×	○	○	○	○	○
电子部件(印刷电路板等)	×	○	×	○	○	○
附件(电源线、交流适配器等)	×	○	○	○	○	○

- ：表示该有害有毒物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规范的限量要求以下。
- ×：表示该有害有毒物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。因根据现有的技术水平，还没有什么物质能够代替它。

## 质量承诺

亲爱的小天使用户，在您使用本产品时，请仔细阅读产品说明书，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
- 一月内出现质量问题可调换
- 一年内出现质量问题可免费维修
- 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。

售后服务地址：

广东省珠海市高新区唐家湾镇科技九路10号  
珠海市蔚科科技开发有限公司 售后服务部  
邮编：519085

制造商：珠海市蔚科科技开发有限公司

制造商地址：广东省珠海市高新区唐家湾镇科技九路10号  
邮箱：mail@cherubtechnology.com  
电话：0756-3689866



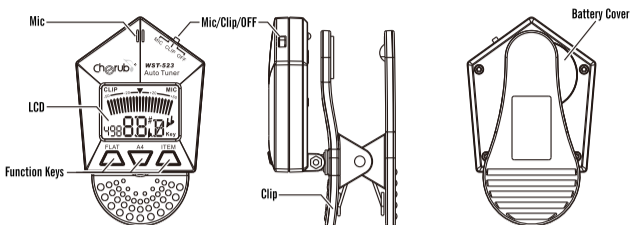


# WST-523 Clip Style Auto Tuner Owner's Manual

Thank you for selecting the Cherub WST-523 Clip Style Auto Tuner. Please read this manual carefully to make sure you are using it correctly.

## Product Description

Select the Key of the instrument: C, F, B<sup>b</sup>, E<sup>b</sup>, G(Guitar), B(Bass), V(Violin), Cu(Ukulele in C) or Du (Ukulele in D). C, F, B<sup>b</sup>, E<sup>b</sup> are suitable for tuning wind instruments.



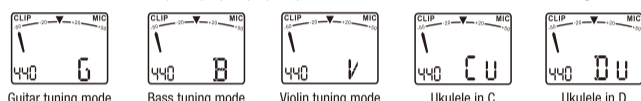
## Features

- Clip style tuner that picks up vibration.
- More tuning mode options.
- Easy-to-read LCD meter acts like a real needle meter.
- Backlit LCD display.

## Operation Instruction

Press the "A4" key to set the calibration of A4. The range is: 430Hz~450Hz.  
 The initial "A4" is 440Hz. When the calibration is set higher than 440Hz, the tuned note will be a little bit higher than when tuned at A4=440Hz. When the calibration is set lower than 440Hz, the tuned note will be a little bit lower than when tuned at A4=440Hz.

1. Place the tuner close or clip it to the instrument you wish to tune.
2. Play a note on the instrument to get a pitch.
3. The tuner will detect the pitch and show the corresponding note automatically.
  - When the key is C/F/B<sup>b</sup>/E<sup>b</sup>, the tuner will show the note of pitch.
  - When the instrument is G(Guitar), B(Bass), V(Violin), Cu or Du, the tuner will show the note and the string number.

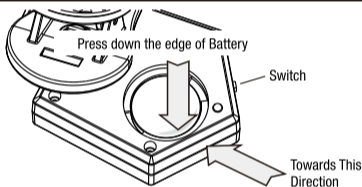


- When the octave/string number and note are correct, but the meter points to the right side(+50 direction) and the back-light turns red, the pitch is sharp.
- When the octave(string number) and note are correct, but the meter points to the left side(-50 direction) and the back-light turns red, the pitch is flat.
- When the octave/string number is different from the correct one, adjust the instrument to the relative octave(string number) in order to match the octave (string number). Then tune the instrument according to the instructions above.
- Adjust the instrument until it is in tune.

4. Flat tuning  
 When "G" (Guitar) or "B" (Bass) is selected, press the "FLAT" key to enter flat tuning mode: "♭" is a half-step flat and "♭♭" is a full-step flat.  
**NOTE:** Pressing the "FLAT" key under other setting has no effect.

## Installing the battery

After opening the battery cover, press down the edge of the battery as shown in the drawing. The battery will pop right out.



## Specifications

- Tuning range: A<sub>1</sub>(27.5Hz)~A<sub>6</sub>(1760.0Hz)
- Tuning mode: Chromatic, Guitar, Bass, Violin, C Ukulele, D Ukulele, Wind instruments
- Tuning key: C, F, B<sup>b</sup>, E<sup>b</sup>
- Tuning precision: ±1 cent
- A4 range: 430~450Hz
- Detection method: Mic, Clip
- Flat tuning: ♭ ♭♭
- Display mode: LCD Display
- Tuning method: Auto
- Power supply: 3V(CR2032)Lithium battery
- Dimensions: 78(L)x48(W)x48(H)mm
- Weight: 66g

\*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
- 3V(CR2032)Lithium battery

## 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.



www.cherubtechnology.com



©2016 Cherub Technology-All rights reserved. No part of this publication may be reproduced in any form without prior written permission of Cherub Technology.

Made in China