

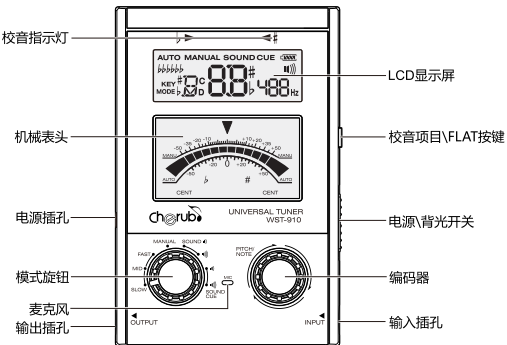


WST-910 通用校音器

使用说明书

祝贺您拥有了Cherub WST-910通用校音器，在您首次使用本产品之前，请花几分钟时间阅读一下本说明书。

产品界面



产品特点

- 指针表头是非线性刻度标示（MANU）。非线性刻度标示（MANU）刻度值最大为7.5音分，最小为1音分，这种刻度标示能使校音做到更加精确（<1音分）。
- 十一种通用校音定音模式：key C（十二平均律）、key F（F调校音）、Key B^b（B^b调校音）、key E^b（E^b调校音）、mode G（吉他校音）、mode B（贝斯校音）、mode V（小提琴校音）、mode UC（C调尤克里里校音）、mode UD（D调尤克里里校音）、mode E（二胡校音）、mode P（琵琶校音）。
- SOUND CUE模式：当检测到有乐音输入时，本机自动分析，然后发出一个接近乐音的标准音。
- 三种可选校音速度：慢速校音、中速校音、快速校音。
- 自动关机功能：5分钟内无操作或无任何有效信号输入，本机将自动关机。
- 自动保存设置：关机时，已设置的参数将会自动储存（取出电池，设置的参数将无法保存）。
- 电量检测功能。

操作说明

校音模式

1. 三档**电源\背光开关**控制开关机和开关背光。
2. 按**校音项目\FLAT按键**选择校音项目：Key C（十二平均律）、Key F（F调校音）、Key B^b（B^b调校音）、Key E^b（E^b调校音）、Mode G（吉他校音）、Mode B（贝斯校音）、Mode V（小提琴校音）、Mode UC（C调尤克里里校音）、Mode UD（D调尤克里里校音）、Mode E（二胡校音）、Mode P（琵琶校音）。
3. 转动**模式旋钮**选择校音模式：SLOW（慢速校音）、MIDDLE（中速校音）、FAST（高速校音）、MANUAL（手动校音）、SOUND CUE (SOUND CUE小音量)、SOUND CUE (SOUND CUE大音量)。

校音模式	功能
AUTO (SLOW MID FAST)	本机自动识别乐音，校音范围为 E ₀ ~D ₈
MANUAL	手动设置需校音的音名范围 A ₀ ~C ₈
SOUND CUE	本机会根据检测到的乐音发出一个与检测到的乐音相同的标准音

4. 参数设置

- a) AUTO或SOUND CUE 模式，旋转**编码器**调节A4值：400~499Hz。
- b) MAUAL模式，旋转**编码器**分别调节参数：

校音项目	参数
Key C	A ₀ ~C ₈
Key F Key B ^b Key E ^b	C~B
Mode G	6E 5A 4D 3G 2B 1E
Mode B	LB 4E 3A 2D 1G HC
Mode V	4G 3D 2A 1E
Mode U C	4G 3C 2E 1A
Mode U D	4A 3D 2F [#] 1B
Mode E	2D 1A
Mode P	4A 3D 2E 1A

- c) 在吉他或贝斯校音模式下，长按**校音项目\FLAT按键**调节FLAT：N/A b bb bbb bbbb bbbbbb

定音模式

1. 将**模式旋钮**拨到SOUND 或SOUND ，本机自动发出所选的标准音。
2. 旋转**编码器**选择所需要发的标准音。

表头校准

拨动电源\背光开关开机，调节后盖如右图所示的孔内的电位器，将指针调节到中间点的位置。



电池安装

当LCD上电池电量符号变成“”时，请及时更换电池，方法见右图：



1. 更换电池时，请注意电池的极性。
2. 若要长期放置产品，请把电池取出。

技术规格

- 校音范围: E₀(20.6Hz)~D₈(4699.0Hz)
- 校音调式: C、F、B^b、E^b
- 校音项目：十二平均律、吉他、贝斯、小提琴、C调尤克里里、D调尤克里里、二胡、琵琶
- 校音精度：0.5音分
- 标准音精度：0.5音分
- A4范围：400~499Hz（1Hz/step）
- 降半音：N/A b bb bbb bbbb bbbbbb bbbbbb
- 电源: 3V(2xAAA)电池或DC 6V
- 体机: 116(L)x78(W)x27(H)mm
- 重量: 170g

*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
 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(2XAAA)电池

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调换
- 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

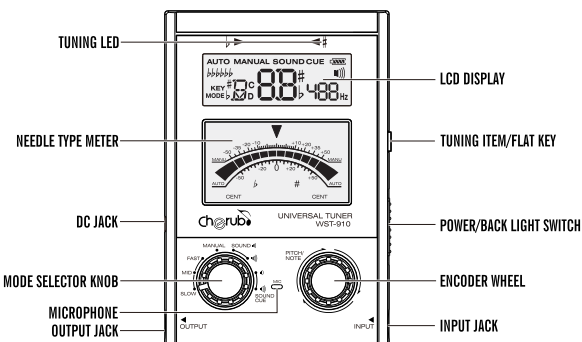


WST-910 Universal Tuner

Owner's Manual

Thank you and congratulations on your purchase of the cherub tuner WST-910. Please take the time to read through this manual to ensure you get the best from your product.

Product Description



Features

- The meter display is non-linear (MANUAL). The largest scale value in the non-linear meter is 7.5 cents. The smallest scale value in the non-linear meter is 1 cent. This calibration enables the tuner to be more accurate (<1 cent).
- 11 tuning modes: C (Chromatic), F (F tuning), B^b (B^b tuning), E^b (E^b tuning), Mode G (Guitar mode), Mode B (Bass mode), Mode V (Violin mode), Mode U C (C key ukulele mode), Mode U D (D key ukulele mode), Mode E (Erhu mode), Mode P (Pipa mode).
- Sound Cue mode: The tuner will give a standard tone after it detects any tone which is close to the standard tone.
- Three tuning speed selectable: Slow, Mid, Fast.
- Auto shut-off: If there is no signal for 5 minutes, the tuner shuts off automatically.
- Auto save function: settings are saved upon power off.
- Low power detection function.

Operation Instruction

Tuning mode

1. Use **POWER/BACK LIGHT SWITCH** to turn on/off the tuner or the back light.
2. Press **TUNING ITEM/FLAT KEY** to choose the tuning items: C(Chromatic), F(F tuning), B^b(B^b tuning), E^b (E^b tuning), Mode G(Guitar mode), Mode B(Bass mode), Mode V(Violin mode), Mode U C(C Ukulele mode), Mode U D(D Ukulele mode), Mode E (Erhu mode), Mode P(Pipa mode).
3. Turn knob **MODE SELECTOR KNOB** to choose the tuning modes: SLOW, MID, FAST, MANUAL, SOUND CUE(🔊), SOUND CUE(🔊)).

Tuning Mode	Function
AUTO (SLOW MID FAST)	The tuner will automatically display the octave. The tuning rang is E ₃ ~D ₆ .
MANUAL	Choose the note manually. The tuning range is A ₀ ~C ₆ .
SOUND CUE	The tuner will give a standard tone after it detects any tone which is close to the standard tone.

4. Parameter setting

- a) When in AUTO or SOUND CUE (🔊) mode, turn the **ENCODER WHEEL** to adjust A4: 400~499Hz(1 Hz step).
- b) When in Manual mode, turn **ENCODER WHEEL** to set up the following Parameters:

Tuning Item	Parameters
Key C	A ₀ ~C ₆ .
Key F Key B ^b Key E ^b	C~B
Mode G	6E 5A 4D 3G 2B 1E
Mode B	LB 4E 3A 2D 1G HC
Mode V	4G 3D 2A 1E
Mode U C	4G 3C 2E 1A
Mode U D	4A 3D 2F [#] 1B
Mode E	2D 1A
Mode P	4A 3D 2E 1A

- c) In guitar or bass mode, press and hold **TUNING ITEM/FLAT KEY** to change flat tuning: N/A b bb bbb bbbb bbbbbb bbbbbb

Sound mode

1. Turn **MODE SELECTOR KNOB** to the "SOUND 🔊" or "SOUND 🔊" position, the tuner will generate the selected note sound.
2. Turn the **ENCODER WHEEL** to choose the note.

Calibrate Meter

Use a screwdriver to adjust the encoder on the back cover, Press **POWER/BACK LIGHT SWITCH** while adjusting the encoder to recalibrate the meter to "0" point.



Installing the battery

When the battery icon becomes "🔋" please replace the batteries promptly as follows:

1. Open the battery cover.
2. Put in 2 of AAA batteries observe proper polarity.
3. Close the battery cover.



1. Pay attention to polarity when replacing battery.
- NOTE 2. Remove the battery if the product will not be used for a long period.

Specifications

- Tuning range: E₃(20.6Hz)~D₆(4699.0Hz)
- Tuning mode: Chromatic, Guitar, Bass, Violin, C Ukulele, D Ukulele, Erhu, Pipa
- Tuning key: C, F, B^b, E^b
- Tuning precision: ± 0.5 cent
- A4 range: 400~499Hz
- Detection method: Mic, Line-in
- Reference tone precision: ± 0.5 Cent
- Flat tuning: b bb bbb bbbb bbbbbb bbbbbb
- Display mode: VU Meter Display, LCD Display
- Tuning method: Auto, Manual
- Power supply: 3V(2xAAA)batteries or DC 6V
- Dimensions: 116(L)x78(W)x27(H)mm
- Weight: 170g

* 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
- 2xAAA batteries

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.

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