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www.nuxefx.com
Made in China



NTU-3 MKII
FLOW
TUNE

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Accuracy

Whilst every effort has been made to ensure the accuracy and content of this manual, Cherub Technology Co. makes no representations or warranties regarding the contents.

WARNING!-IMPORTANT SAFETY INSTRUCTIONS BEFORE CONNECTING, READ INSTRUCTIONS

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: To reduce the risk of fire or electric shock, do not remove screws. No user-serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



The lightning symbol within a triangle means "electrical caution!" It indicates the presence of information about operating voltage and potential risks of electrical shock.



The exclamation point within a triangle means "caution!" Please read the information next to all caution signs.

1. Use only the supplied power supply or power cord. If you are not sure of the type of power available, consult your dealer or local power company.
2. Do not place near heat sources, such as radiators, heat registers, or appliances which produce heat.
3. Guard against objects or liquids entering the enclosure.
4. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
5. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
6. The power supply cord should be unplugged when the unit is to be unused for long periods of time.

7. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and at the point where they exit from the apparatus.
8. Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice "safe listening".

Follow all instructions and heed all warnings
KEEP THESE INSTRUCTIONS!

NTU-3 MKII

FLOW

TUNE

Mini Pedal Tuner

NUX Flow Tune (NTU-3 MKII) is a compact pedal tuner with advanced functionality. It offers 4 tuning modes (Chromatic/Guitar Standard/Guitar Compensation/Bass), the unique Guitar-Compensation mode offers a more harmonic and delightful sound, high-definition LCD display with 3 display options, A4 calibration, and you can easily toggle between True Bypass, Buffered Bypass and an innovative Buffered Bypass Monitor mode that keeps the output signal always unmuted.

Product interface



Features

- True Bypass / Buffered Bypass / Buffered Bypass Monitor modes
- A4 calibration (430Hz – 450Hz)
- High-definition LCD display
- 3 display modes
- Unique Guitar-Compensation mode

Operation

Power Input

9V DC Negative Tip (Optional NUX ACD-006A Power Supply).

Audio Input

Connect your instrument to the INPUT jack.

Audio Output

Connect the OUTPUT jack to the next device in chain.

Footswitch

Activate/deactivate the tuner pedal.

DISPLAY Button

Short press the DISPLAY button to switch between 3 Display Modes (a Strobe mode and 2 Arrow modes). Long press the DISPLAY button to restore the Factory Settings.

MODE/A4 Button

Short press the MODE/A4 button to switch between 4 Tuning Modes (Chromatic, Guitar Standard, Guitar Compensation and Bass). Long press the MODE/A4 button to change the A4 Reference Pitch (430Hz-450Hz).

TB-BF-BFM Toggle Switch

Switch between True Bypass, Buffered Bypass, and Buffered Bypass Monitor modes.

Display Modes

NUX Flow Tune offers 3 display modes; a Strobe Mode and 2 Arrow Modes. Short press the DISPLAY button to switch among these modes:

Display Mode 1 - Strobe (Default)



Flat
The Screen Content
Scrolls Down



In Tune
The Screen Content
Stand Still



Sharp
The Screen Content
Scrolls Up

Display Mode 2 - Arrow



Flat



In Tune



Sharp

Display Mode 3 - Arrow



Flat



In Tune



Sharp

Tuning Modes

Short press the MODE/A4 button to switch between the 4 tuning modes:

1. **Chromatic Mode:** Default.
2. **Guitar Standard Mode:** Indicated by highlighted "G^{STD}".
3. **Guitar Compensation Mode:** Indicated by highlighted "G C#s".
4. **Bass Mode:** Indicated by a highlighted letter "B".



Chromatic Mode



Guitar Standard
Mode



Guitar Compensation
Mode



Bass Mode

Changing the Reference Pitch

You can calibrate the A4 reference pitch to a value from 430Hz to 450Hz. Follow these steps to change the reference pitch:

1. Long press the MODE/A4 button.
2. When the display blinks, short press the MODE/A4 button to change the reference pitch in 1 Hz steps. (e.g. the display shows "40" for 440Hz, "32" for 432Hz, etc.)



3.To confirm the currently displayed reference pitch, long press the MODE/A4 button again, or simply do not press any button for 4 seconds.

Bypass Modes

NUX Flow Tune lets you easily select True Bypass, Buffered Bypass, or Buffered Bypass Monitor modes, using the TB-BF-BFM toggle switch:

TB (True Bypass)

When the tuner is bypassed, the pedal is a True Bypass circuit that has no influence on your output signal. When the tuner is activated and starts tuning, the output will be muted.

BF (Buffered Bypass)

When the tuner is bypassed, the output signal is driven by a Buffered Bypass circuit. When the tuner is activated and starts tuning, the output will be muted.

BFM (Buffered Bypass Monitor)

The signal is driven exactly as in the Buffered Bypass mode, while the output remains unmuted no matter the tuner is activated or deactivated.

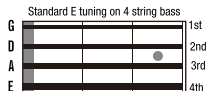
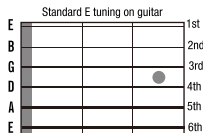
Factory Reset

You can restore the factory settings by long pressing the DISPLAY button for 5 seconds.

Tune Your Instrument

We recommend you tune your guitar every time you pick it up. Guitars tend to go out of tune quickly. Make sure your guitar is in tune when you begin to play it.

Here is a quick guide for Standard E tuning for Guitar and Bass Guitar. Follow this tuning pattern and tune your guitar accurately with the NUX Flow Tune.



*Guitar compensation tuning

We got inspired from James Taylor of compensation tuning, so we developed guitar compensation tuning mode in NUX Flow Tune.

Here is the compensation tuning method:

1st	E	-3 cent
2nd	B	-6 cent
3rd	G	-4 cent
4th	D	-8 cent
5th	A	-10 cent
6th	E	-12 cent

Specifications

- Tuning range: A0 (27.5Hz) - C8 (4186Hz)
- Tuning mode: Chromatic, Guitar Standard, Guitar Compensation, Bass
- Tuning accuracy: ± 0.1 Cent
- Input impedance: 10M Ω
- Output impedance: 1k Ω
- Current draw: <100mA
- Dimensions: 97.4mm(L) x 43.5mm(W) x 41.6mm(H)
- Weight: 197.4g

Accessories

- Owner's manual
- Warranty card

* Specification may change without notice.

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.

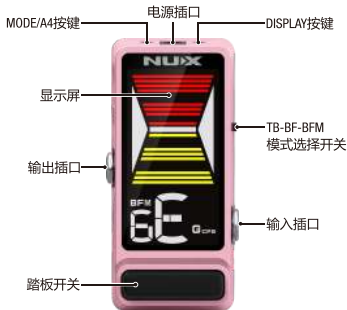


NTU-3 MKII FLOW TUNE

迷你踏板校音器

NUX Flow Tune 是一款迷你踏板校音器，体积小巧，功能齐全。产品支持十二平均律、吉他标准、吉他补偿、贝斯四种校音模式，其中特有的吉他补偿校音模式让吉他更和谐动听，此外您还可以根据需求便捷地在三种开关通路模式之间切换，包括真直通电路和两种缓冲直通电路。NUX Flow Tune 还支持设置A4值，以及三种不同的校音显示模式。

产品界面



产品特点

- 可切换真直通/缓冲直通/缓冲直通监听模式
- 可调A4值 (430Hz-450Hz)
- 高清LCD显示
- 3种显示动画可调
- 特有的吉他补偿校音模式

操作说明

电源插口

9V内负外正电源插头（建议使用NUX ACD-006A电源适配器）。

输入插口

输入乐器信号。

输出插口

输出乐器信号。

脚踏开关

启动/关闭调音功能。

DISPLAY按键

短按此按键可切换校音显示模式（一种Strobe式、两种Arrow式），长按此按键可将产品恢复出厂设置。

MODE/A4按键

短按此按键可切换十二平均律/吉他标准/吉他补偿/贝斯四种校音模式，长按此按键可进行A4值设置。

TB-BF-BFM模式选择开关

用于切换True Bypass / Buffered Bypass / Buffered Bypass Monitor三种通路模式。

校音显示

NUX Flow Tune拥有三种校音显示模式，包括一种Strobe式与两种Arrow式。短按DISPLAY按键即可进行切换：

校音显示模式1 - Strobe式（出厂默认）



音低
屏幕向下滚动



音准
屏幕静止



音高
屏幕向上滚动

校音显示模式2 - Arrow式



音低



音准



音高

校音显示模式3 - Arrow式



音低



音准



音高

校音模式

NUX Flow Tune支持十二平均律/吉他标准/吉他补偿/贝斯四种校音模式，通过按MODE/A4按键进行切换：

1. 十二平均律模式：出厂默认。
2. 吉他标准校音模式：屏幕将显示G^{STD}。
3. 吉他补偿校音模式：屏幕将显示G^{CPS}。
4. 贝斯模式：屏幕将显示B (Bass)。



十二平均律



吉他标准



吉他补偿



贝斯

A4值设置

当您需要改变参考音高时，可通过如下步骤将A4值在430Hz-450Hz范围内进行设置：

1. 长按MODE/A4按键，屏幕开始闪烁。
2. 此时短按MODE/A4按键可在430Hz-450Hz之间循环设置参数（以1Hz为刻度）。例如，当屏幕显示“40”时表示当前设置为440Hz，当屏幕显示“32”时表示当前设置为432Hz。



440Hz



432Hz

3. 当调整到需要的频率后，长按MODE/A4按键，或无输入信号4秒之后，参数将确定，屏幕停止闪烁。

Bypass通路模式

NUX Flow Tune提供True Bypass / Buffered Bypass / Buffered Bypass Monitor三种模式，您可通过TB-BF-BFM开关进行切换：

TB (True Bypass) 真直通模式

不激活单块时，产品处于直通电路，校音功能关闭，输出端有信号输出。激活时校音功能开始工作，输出端无信号输出。

BF (Buffered Bypass) 缓冲直通模式

不激活单块时，产品处于缓冲电路，校音功能关闭，输出端有信号输出。激活时校音功能开始工作，输出端无信号输出。

BFM (Buffered Bypass Monitor)

缓冲直通监听模式

BFM模式增加监听功能，无论校音功能关闭或者开启，输出端都有信号输出。

恢复出厂设置

长按DISPLAY按键5秒，可将本产品重启并恢复出厂设置。

乐器校音

我们建议您在演奏或练习前，都要对您的乐器进行校音。这里我们给出吉他跟贝斯的标准校音，建议初学者按照这个标准校音。



*吉他补偿校音

受到James Taylor的启发，我们给本产品配置了吉他补偿校音模式。

1st	E	-3 cent
2nd	B	-6 cent
3rd	G	-4 cent
4th	D	-8 cent
5th	A	-10 cent
6th	E	-12 cent

技术规格

- 校音范围: A0 (27.5 Hz) - C8 (4186 Hz)
- 校音模式: 十二平均律、吉他标准、吉他补偿、贝斯
- 校音精度: ± 0.1 Cent
- 输入阻抗: 10M Ω
- 输出阻抗: 1k Ω
- 电流需求: <100mA
- 尺寸: 97.4mm(L) x 43.5mm(W) x 41.6mm(H)
- 重量: 197.4g

随机附件

- 使用说明书
- 保修卡

*技术规格如有变更恕不另行通知。

有关产品中所含有害物质的说明

为了控制和减少电器电子产品废弃后对环境造成的污染，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2016年7月1号以后本公司所制造的产品。

环保使用期限



此标志适用于在中国国内销售的电子信息产品，表示环保使用期限的年数。所谓环保使用期限是指在制造日起的规定期限内，产品中所含的有害物质不致引起环境污染，不会对人体、财产造成严重的不良影响。环保使用期限仅在遵照产品使用说明，正确使用产品的条件下才有效。不当的使用，将会导致有害物质泄漏的危险。

产品中有害物质的名称及含量

部件名称		有害物质					
		铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
主体	塑胶件	○	○	○	○	○	○
	五金件	×	○	○	○	○	○
	硅胶件	○	○	○	○	○	○
	内置电路板	×	○	○	○	○	○
附件	*交流电源适配器、线缆	×	○	○	○	○	○
*表示某些产品可能不含有这些项目，上表当中的信息仅在产品含有这些项目时适用。							
本表格依据SJ/T 11364的规定编制。 ○：表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。 ×：表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572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。 保护环境 如果需要废弃本产品，请遵循本地相关指引，请勿随意丢弃或作为生活垃圾处理，以避免对环境造成污染。							

质量承诺

亲爱的 **NUX** 用户：

在您使用 **NUX** 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

[请向销售商索取正规发票并予以保存]

换修政策

一、包换政策：

1、消费者通过正规授权渠道购买的产品，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，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凭证，否则经销商可以不予更换。

二、保修政策：

1、消费者通过正规授权渠道购买的产品(以发票所示销售方为准)，自购买之日起1年内，若出现非人为损坏的性能故障，可享受有免费维修服务。

2、对于超过1年或人为及不可抗力因素造成损坏的产品，我可提供有偿维修服务。

*本售后政策仅适用于中国大陆地区，其它国家及地区以当地售后政策及法律法规为准。

合格证

Certificate

检验员
Inspector

名称
Name

迷你踏板校音器

型号
Type

NTU-3 MKII

生产日期
Date

本产品经检验合格
This product is inspected and approved.

执行标准: Q/WKZD 001-2020
Product is certificated with Q/WKZD 001-2020

制造商: 深圳市爵科电子科技有限公司 制造商地址: 深圳市南山区蛇口兴华路6号南海意库1号楼507 电话: 0755-2686 9866 网址: www.nuxex.com 生产商: 珠海市爵科电子科技有限公司 生产厂地址: 珠海市高新区唐家湾镇科技九路10号 电话: 0756-3689866