



50W RoHS CE

**MIGHTY-50X**  
DIGITAL GUITAR AMPLIFIER



**OWNER'S MANUAL**

[www.nuxefx.com](http://www.nuxefx.com)

www.nuxefx.com  
**使用说明书**

**MIGHTY-50X**  
吉它数字效果音箱



50W RoHS CE



DIGITAL GUITAR AMPLIFIER

**WARNING: IMPORTANT SAFETY INSTRUCTIONS  
BEFORE CONNECTING, READ INSTRUCTIONS**

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. Never break off the ground pin on the power supply cord.
3. Never attempt to by-pass the fuses or fit ones of the incorrect value.
4. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks.
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. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for the safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
7. Never use an amplifier in damp or wet conditions.
8. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
9. 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.
10. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

*Follow all instructions and heed all warnings  
KEEP THESE INSTRUCTIONS!*

### OVERVIEW:

We are delighted that you chose to purchase our 50 Watt combo: MIGHTY50X.

MIGHTY-50X is a solid 50 Watt digital guitar amplifier that will give you the ultimate playing experience! By using 32bit DSP, 44.1KHz/24bit AD/DA converters and our TSAC (True Simulation of Analog Circuit) technology, the MIGHTY-50X supplies amazing guitar amp and EFX sounds.

The preamp was developed to accurately simulate the way an all-tube amplifier interacts with a loudspeaker and has four modulation and two ambience effects. Four user presets can be stored.

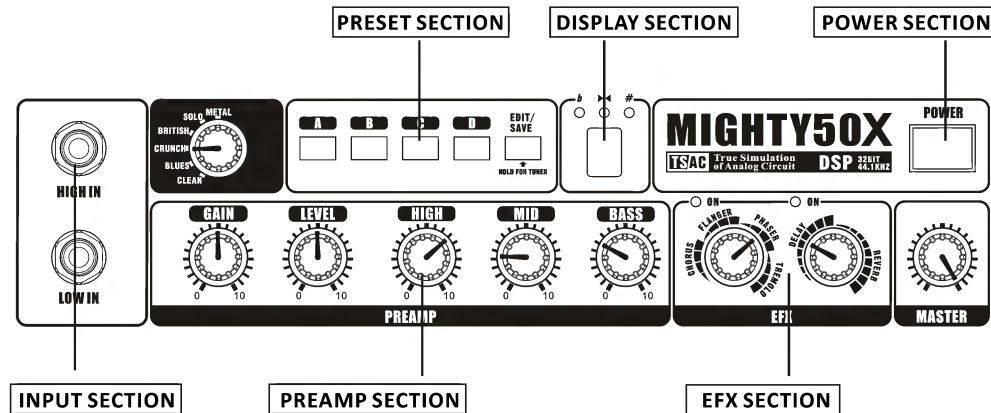
Useful functions, such as a built in tuner, AUX IN & a PEDAL jack, Headphones/MIXER outputs make your practice and show perfect!

12 inch custom speaker and 50 Watts of power create a very powerful amplifier that's portable enough for the road or studio use.

### FEATURES

- Six amp sounds using TSAC(True Simulation of Analog Circuit) technology.
- Cutting edge tube clipping simulation algorithm.
- Three band vintage style EQ gives the response of a tube guitar amp.
- Four modulation effects: CHORUS, FLANGER, PHASER & TREMOLO.
- DELAY and REVERB effects can be used with modulation effects simultaneously.
- Built in tuner with 7-segment LED display.
- Store up to four presets.
- Dual guitar inputs for vintage and hot guitar pickups.
- AUX IN input allows jamming with an external music-playback device (MP3 player, etc.)
- PEDAL Jack allows you to switch the presets up and down.
- Headphones/Mixer output.
- 50 Watts RMS power output.
- 12 inch custom speaker.

### MIGHTY-50X FRONT PANEL



#### INPUT SECTION

- **HIGH IN** (high level signal input):  
This input is best suited for guitars with high output pickups such as over-wound humbuckers or active pickups.
- **LOW IN** (low level signal input):  
This input jack is recommended for use with a guitar loaded with low output pickups, such as single-coil.

#### PREAMP SECTION

- **AMP TYPE KNOB**: Select from the following six types.
  - **CLEAN**: This is modeled on very clean solid-state amps.
  - **BLUES**: This is modeled on the classic American blues sound amplifiers with four 10-inch speakers that produce a clear upper-midrange with a fat low end, and its unique crunch tones make it a favorite of blues-rock guitarists.
  - **CRUNCH**: This is modeled on the sound and response of a legendary UK classic stack from the 60's. It's renowned for its tight low end, and smooth presence for classic and hard rock.
  - **BRITISH**: This is modeled on the British class-A combo amp that created the Liverpool sound of the 60's. It can produce a clear low-midrange with tight low end.
  - **SOLO**: This is modeled on the American modern high gain amp. This super high gain amp is a favorite for lead sounds or 80's metal.
  - **METAL**: This is modeled on the famous metal pedal created in the 90's. It can produce tons of bottom and shocking upper-midrange.

- **GAIN**: This knob adjusts the preamp gain of the chosen amp model.
- **LEVEL**: This knob adjusts the volume of the preamp.
- **EQ**: The HIGH, MID and BASS knobs affect all amps. MID and HIGH influence each other, an attribute considered normal and desirable in a tube amp. Boosting HIGH decreases midrange honk and vice versa. Jacking up the mid cuts back on the high-end shimmer.

#### EFX SECTION

- **CHORUS/FLANGER/PHASER/TREMOLO**:  
Turn this knob to select CHORUS, FLANGER, PHASER, OR TREMOLO. Adjust the amount of effect applied by varying the position of the pointer within the effect range. The red indicator above this knob lights up when EFX is turned on, and goes out when EFX is turned off.

**NOTE:** Graduations for CHORUS, FLANGER, PHASER AND TREMOLO on the panel are for reference. Be sure to check the sound as you adjust the effects.

#### ● CHORUS

A Chorus adds a short delay to your signal. The delayed signal is modulated in and out of tune and then mixed back with the original signal to create a thicker sound.

#### ● FLANGER

A Flanger uses the same principle as Chorus but uses a shorter delay time and adds regeneration (or repeats) to the modulating delay. This results in an exaggerated up and down sweeping motion to the effect.

#### ● PHASER

A phaser splits the incoming signal, and then changes the phasing of the signal. This signal is then taken in and out of phase and mixed back in with the original signal. As the phasing changes, different frequencies get canceled resulting in a warm sort of twisting sound.

#### ● TREMOLO

A Tremolo is basically a change of the signal level controlled by an LFO.

#### ● DELAY/REVERB

Turn this knob to select DELAY or REVERB. Turn the knob to adjust the amount of effect applied. The red indicator above this knob lights up when DELAY/REVERB effects is turned on, and goes out when the effect is turned off.



**NOTE:** Graduations for DELAY and REVERB on the panel are for reference. Be sure to check the sound as you adjust the effects.

### ● DELAY

A Delay is an effect that records a portion of the incoming signal, and then plays it back a long time later. The recording can repeat just once or several times.

### ● REVERB

Turn the knob to adjust the reverb level.

### PRESET SECTION

#### ● Preset select buttons ([A],[B],[C],[D]):

Pressing these buttons selects a preset. To save a preset press [EDIT/SAVE] button to enter [EDIT] mode, adjust the knobs to get the tone you want, and then press the [A], [B], [C], or [D] button to save the settings (The preset will be saved automatically).

#### ● [EDIT/SAVE] button: Pressing this button gets into the [EDIT] mode for [A], [B],[C], or [D] presets.

**NOTE:** To activate the tuner press and hold [EDIT/SAVE] button for 2 seconds.

### DISPLAY SECTION

● 7-segment LED: Indicates the preset number [A], [B],[C], [D] and [E] (Edit mode). Lights up to indicate the pitch name in the tuning mode.

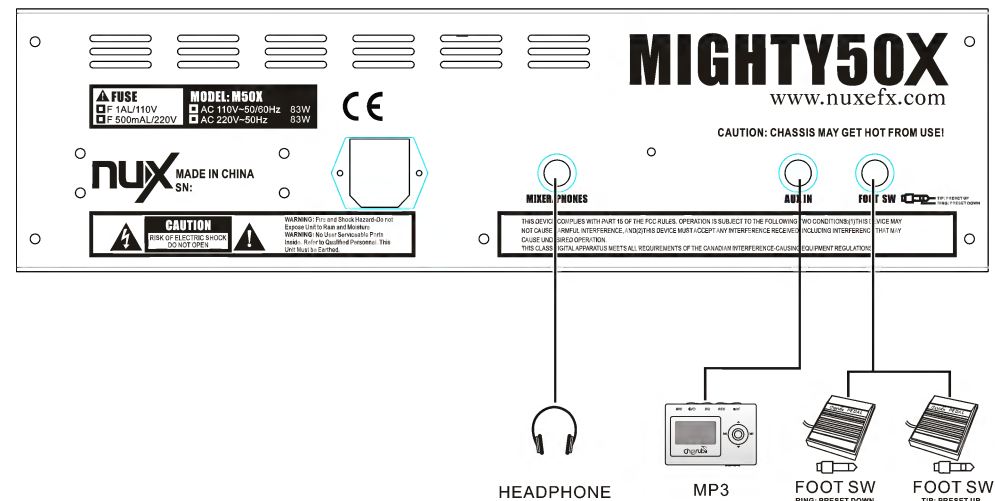
● Red and Green LEDs: Lights up to indicate the pitch is sharp, flat or in tune (green).

### POWER SECTION

● MASTER Volume: Adjusts the overall volume of the amplifier without affecting your tone.

● Power switch: Switches the power on and off.

### MIGHTY50X BACK PANEL



### ● PEDAL SW JACK:

Connect one or two pedals to the jack, you can loop the presets (with one pedal connected) or change (up/down) presets (with two pedals connected).

### ● AUX IN JACK:

You can connect a CD player, MP3 player or other device to this 6.35mm jack to play along with your guitar.

**NOTE:** Adjust the volume level by adjusting the volume control of the connected device.

### ● MIXER/PHONES JACK:

Use mono 1/4" phone plugs when connecting outboard equipment to this jack. Connect headphones to this jack.

**NOTE:** No sound is played through the unit's speaker while the MIXER/PHONES jack is in use.

### ● MAINS IN:

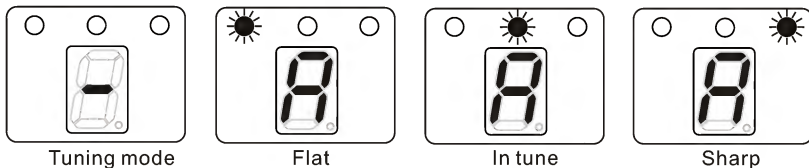
Connect the included mains cord to this socket. Ensure the amp's voltage rating matches your local AC power rating before you plug the cord into the wall outlet.

### TUNER

1. Press and hold EDIT/SAVE for 2 seconds. When the display lights, you are in tuning mode.
2. Play a single note on the open string. Note: No sound is played through the unit's speaker while the tuner function is in use.

**NOTE:** Reference Pitch; A4=440Hz

3. Tune the string until the green indicator lights.



● The dot in the lower right corner indicates the note is sharp (ie, C<sup>#</sup>, D<sup>#</sup>, F<sup>#</sup>, G<sup>#</sup>, A<sup>#</sup>).

### FACTORY SETTING RESET

To reset the factory settings, please press and hold [A] button under the tuner mode. When the display shows [F] and flashes, press [Edit/Save] button to reset the factory presets.

**WARNING: THIS WILL ERASE ALL YOUR CUSTOM SOUNDS, SO BE SURE YOU WANT TO START FRESH BEFORE YOU DO IT!**

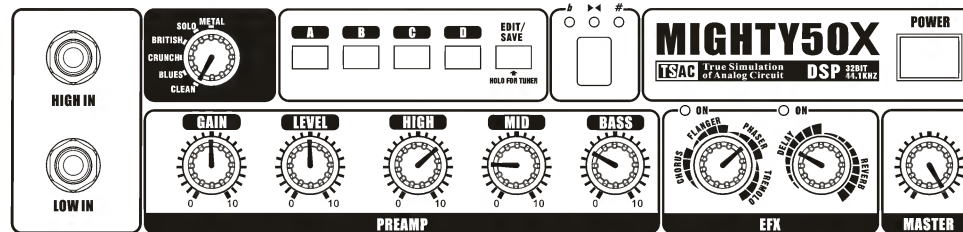
### SPECIFICATIONS

Sampling frequency:	44.1kHz
A/D, D/A convert:	24bit
Signal processing:	32bit
Nominal Input impedance:	1Mohms
MP3/CD Input:	-10dBu/3.3kohms
HEADPHONES output:	250mW+250mW(into 32-ohm load)
Display:	7-segment LED
Tuning Range:	E <sub>0</sub> (20.60Hz) - C <sub>8</sub> (4186Hz)
Reference Pitch:	A4 =440Hz
Power output:	50W RMS (THD+N<10%)
Power Supply:	AC 110V, AC220V or AC230V
Power Consumption:	83W
Dimensions:	49(L)X26.5(W)X43(H)cm
Weight:	15kg
Accessories:	Power cord, Owner's Manual, Cherub WTB-004(OPTIONAL)

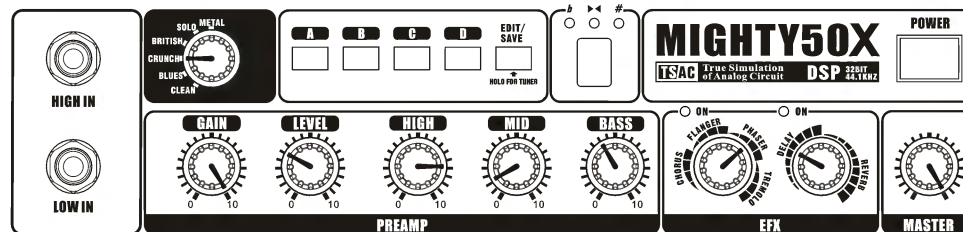
**NOTE:** In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

### FACTORY PREST SETTINGS

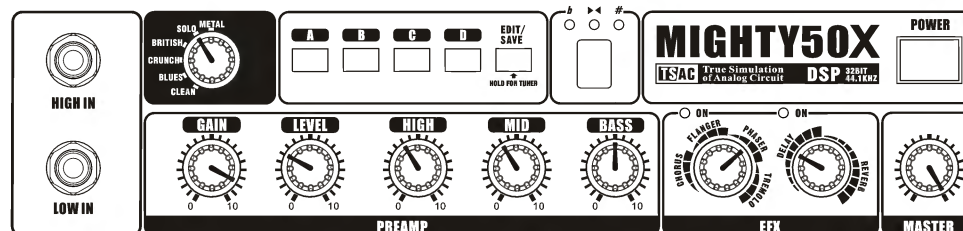
#### ULTRA CLEAN



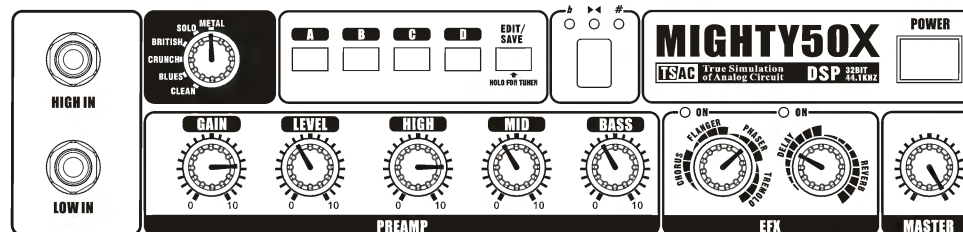
#### CRUNCH ROCK



#### SUPER LEAD



#### HEAVY METAL



### 注意：重要的安全事项连线之前请通读下述事项

1. 请使用随机附带的电源线。如需更换电源线，请在专业人员指导下使用经过确认的电源连接线。
2. 不要将电源线插座中间的插脚去掉。
3. 不要试图短接电源插座内部的保险或是使用非正确值的保险管。
4. 不要自行维修机器！打开机箱可能将您的身体暴露于危险电压或其他危险情况之下，如需维修或维护请找有资质的维修人员进行服务。
5. 如果您是具有维修资质的服务人员请注意：  
设备在任何被损坏的情况都需要进行维修。例如出现以下情况：电源线缆破损断裂，插头损坏，液体或粉尘等进入设备内部，设备被放置在雨水或潮湿环境之中造成机器不能正常工作的情况。
6. 不要将音箱置于潮湿的环境中使用。
7. 设备不应受水滴水溅，设备上不应放置诸如花瓶类的装满液体的物品。
8. 长期不使用音箱的情况下请取下电源线。
9. 当电源线插入插头时，确保远离人行通道。使用完毕及时收纳并妥善保管好电源线。插头或器具耦合器作为断接装置时，断接装置应便于操作。
10. 确保音箱所使用的环境处供电电源插座已经进行了妥善的接地处理。

**\*请遵守上述所有警告和注意事项  
\*请保留此手册以便需要时参考**

### 前言：

非常感谢您选择并购买我们的50W合并式放大器MIGHTY50X。

MIGHTY50X是一款50W全数字吉它音箱。使用32bitDSP技术44.1kHz采样率24bit的AD/DA转换精度和我们的TSAC(True Simulation of Analog Circuit)技术，MIGHTY50X将会是一款完美的吉它音箱，给您带来前所未有的声音感受。

前级效果通过精确模拟经典电子管音箱的工作方式，加上四种精心设计的周边效果和两种环境效果，您可以调出多种自己喜欢的音色。四组可存储的预设及一种可编辑模式可以让您像使用任何一种模拟音箱一样来使用MIGHTY50X。

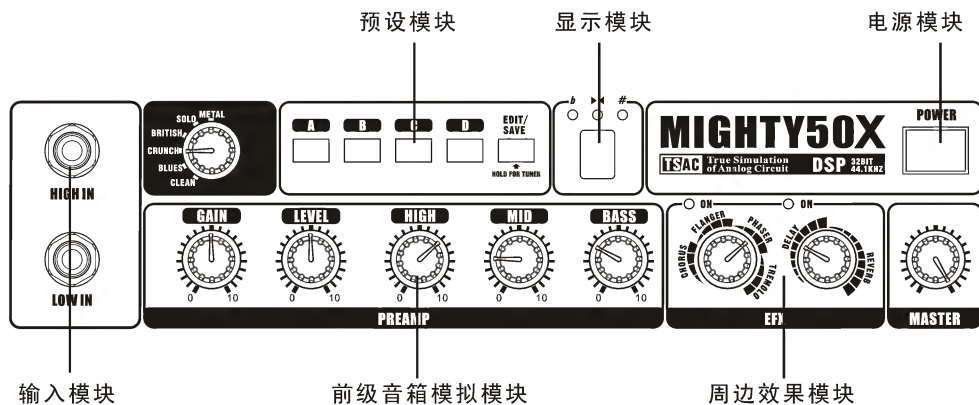
其他丰富的功能如内置全自动校音器，AUX In辅助音源输入接口，外接踏板输入接口，耳机调音台输出接口，将使您的演出或者练习非常方便。

12英寸定制喇叭和50W功率输出将带给您强大的声音效果，无论是家庭练习或者是乐队外出演出，都非常合适，而且携带方便。

### 主要特点

- 基于TSAC(True Simulation of Analog Circuit)算法的6种前级音箱模型。
- 精确的电子管特性模拟算法。
- 三段经典的EQ算法模拟经典电子管音箱的调节效果。
- 四种周边效果包括CHORUS, FLANGER, PHASER, TREMOLO。
- 延时和混响效果可以同时和任何一种周边效果使用。
- 内置校音器，7段数码管显示。
- 四组可存储的音色模式和一组现场可编辑模式。
- 双吉它输入接口适合多种类型的吉它。
- 外接音源辅助输入接口。
- 外接踏板输入接口，方便选择存储的音色。
- 耳机混音输出接口。
- 50瓦 RMS功率输出
- 12英寸定制扬声器

### 前面板图



### 输入模块

**HIGH IN** (高电平信号输入): 该输入接口适合双线圈或者主动拾音器等高信号输出的吉它使用。

**LOW IN** (低电平信号输入): 单线圈等输出信号小的吉它可以接到此接口。

### 前级音箱模拟模块

音箱模拟类型选择开关: 您可以选择以下六种不同的音箱模型。

**CLEAN:** 该档位模拟非常干净的晶体管音箱的音色。

**BLUES:** 该档位以美式经典的布鲁斯音箱为模型, 箱体的4个10英寸喇叭产生清晰明亮的中高音又不失肥厚的低音, 她独特的轻过载音色非常适合蓝调的乐手。

**CRUNCH:** 该档位模拟带有传奇色彩的60年代英式大型分体式音箱。她的标志音色是非常紧凑的低音和平滑的高音, 非常适合经典和硬式摇滚。

**BRITISH:** 该档位模拟传统的英式A类合并式音箱, 这种音箱定义了60年代的利物浦之声。紧凑的低音和明亮的中低音是他最著名的标志。

**SOLO:** 该档位模拟80年代美式现代的高增益音箱, 这种高增益的音箱音色非常适合80年代金属的主音音色。

**METAL:** 该档位音色模拟90年代著名的金属专用效果器模块。拥有极端失真度, 肥厚的低音和令人窒息的高音音色。

**GAIN:** 该旋钮调节前级音色的失真度。

**LEVEL:** 该旋钮控制前级音色的音量大小。

**EQ:** HIGH, MID, BASS旋钮控制所有前级音效的音调。和经典电子管音箱一样, 中音和高音的调节时相互影响的, 提升高音会削减中音效果, 反之提升中音也会衰减高音效果。

### 周边效果模块

**CHORUS/FLANGER/PHASER/TREMOLO:**

旋转该旋钮分别选择合唱, 弗兰格, 相位和震音效果, 在对应效果上通过调节旋钮角度位置来调节不同效果参数大小。

该旋钮上方的红色发光二极管指示效果状态, 点亮时效果开启, 熄灭时效果关闭。

**注意:** 面板上的CHORUS, FLANGER, PHASER 和TREMOLO位置仅供参考, 请通过实际的声音变化确定效果的调节。

### CHORUS (合唱)

合唱效果混合一个经过短延时信号到原信号, 这个延时信号在被调制后产生音调的变化, 当与原信号混合时产生丰满具空间感的合唱效果。

### FLANGER (弗兰格)

弗兰格的原理和合唱非常相似, 但它使用更短的延时和增加反馈以产生非常强烈的滚动声音。

### PHASER (相位)

相位效果将原信号改变相位后再与原信号混合。当相位变化时某些频率被抵消产生一种非常温暖扭曲的声音。

### TREMOLO (震音)

震音的基本原理是通过一个低通滤波器改变信号的电平来实现。

### DELAY/REVERB (延时/混响):

转动这个旋钮选择延时或混响。在对应效果上通过调节旋钮角度位置来调节不同效果参数大小。

该旋钮上方的红色发光二极管指示效果状态, 点亮时效果开启, 熄灭时效果关闭。



**注意：面板上的DELAY和REVERB的位置仅供参考。请通过实际的声音变化确定效果的调节。**

### DELAY (延时)

延时是将原声记录下来后经过一个较长的时间间隔后回放。这个记录的声音可以重复一次或多次。

### REVERB (混响)

混响是模拟自然界的声反射现象。

### 预设模块

预设选择按钮(A,B,C,D)：轻按此开关选择您想要的预设。在编辑模式下(八字管指示E)您可以调出自己喜欢的音色后，存储到A,B,C,D四个通道中。轻按EDIT/SAVE按钮，八字管指示的E开始闪烁，然后再短按A, B, C或者D，调好的音色就可以分别存储到相应的通道中。

\*MIGHTY50X出厂时预存好了4种音色。

EDIT/SAVE按钮：轻按此按钮进入编辑模式。

**注意：长按EDIT/SAVE按钮2秒钟以上进入校音模式**

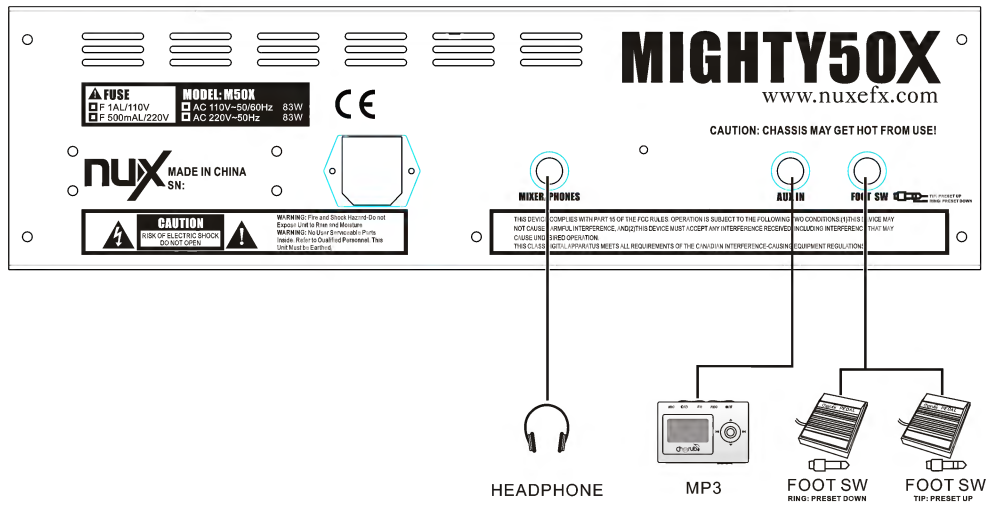
### 显示模块

7段数码管：分别指示A, B, C, D, EDIT五种模式。校音模式下指示相应的音名。  
红色和绿色发光二极管：点亮时指示音高偏高，偏低或是校准

### 电源模块

总音量旋钮：模拟的电位器，控制总音量大小，而不会影响音色。  
电源开关：控制电源的开启与关闭。

### 后面板图



### PEDAL (踏板输入接口)

连接外接踏板到该接口，接一个踏板可以循环选择A, B, C, D四种预设，接上双踏板可以反复选择A, B, C, D四种预设。

### AUX IN (外接音源辅助输入接口)：

您可以外接一个CD, MP3播放器或其他的音源设备到这个6.35mm的接口上，以便作为吉他的伴奏音。

**注意：使用所用设备控制音量。**

### MIXER/PHONES (混音，耳机输出接口)：

使用6.35mm的单声道信号线到此插口将调音台和音箱连接起来，另外也可以连接耳机到此接口。

**注意：当此接口使用时，音箱的喇叭自动静音。**

### MAINS IN：

连接随机附带的电源线到此接口。

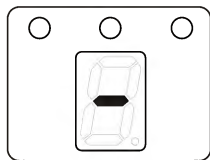
### 校音模式

1. 长按EDIT/SAVE 按钮两秒以上进入校音模式，此时八字管显示“—”。
2. 轻拨一下要校的弦。注意：校音模式下音箱为静音状态。

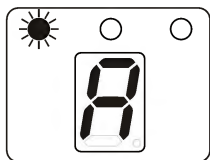


注意：参考音高A4=440Hz

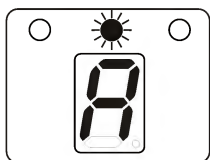
3. 调节相应的弦直到中间的绿色发光二极管点亮。



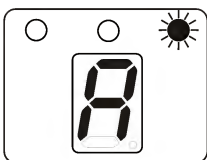
校音模式



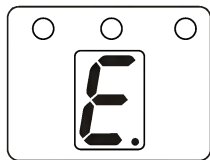
偏低但接近调准



调准



偏高但接近调准



偏高

右下角的红点亮起表明音高高半度 (#)。

### 恢复出厂设置

要恢复出厂设置，请在校音模式下长按A键，此时八字管指示的F闪烁，轻按EDIT/SAVE键完成出厂设置恢复。

**警告：此操作会清除所有的设置，恢复到出厂时的状态，请确认您是否要进行此项操作**

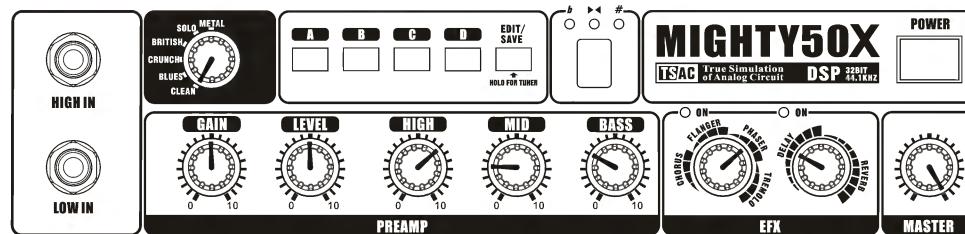
### 规格参数

采样频率：	44.1kHz
A/D, D/A 转换精度：	24bit
信号处理精度：	32bit
标称输入阻抗：	1M欧姆
MP3/CD 输入阻抗：	-10dBu/3.3k欧姆
HEADPHONES输出功率：	250mW+250mW (32欧姆负载)
显示：	7段数码管显示
校音范围：	E0 (20.60Hz) - C8 (4186Hz)
参考音高：	A4 =440Hz
功率输出：	50W RMS (THD+N<10%)
电源电压：	AC 110V, AC220V 或 AC230V
电源功率：	83W
尺寸：	49(长)X26.5(宽)X43(高)cm
重量：	15千克
附件：	电源线、说明书、合格证、小天使WTB-004(可选)

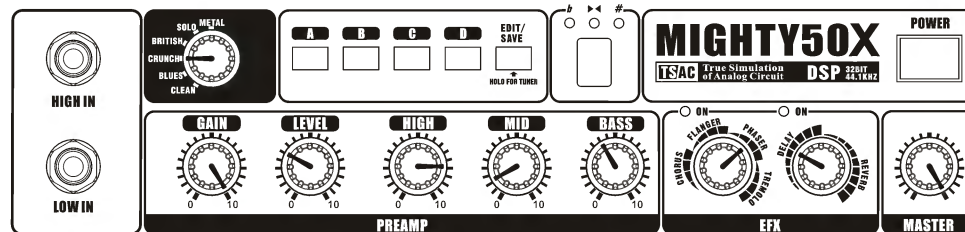
注意：产品规格如有改进，恕不另行通知。

### 建议设置

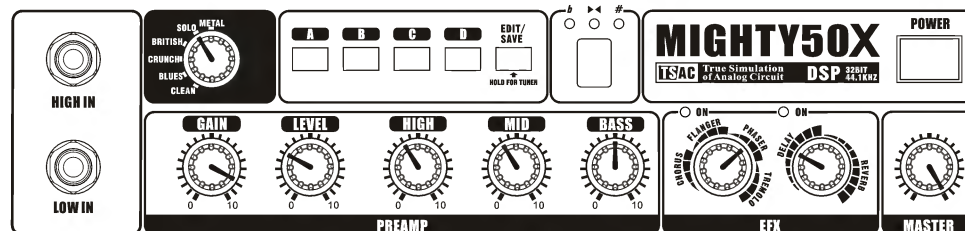
#### ULTRA CLEAN



#### CRUNCH ROCK



#### SUPER LEAD



#### HEAVY METAL

