

MIGHTY Series Amplifier



# MIGHTY15SE

## Digital Guitar Amplifier

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### Owner's Manual



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

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# ATTENTION

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

1. Use only the supplied power adaptor 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 bypass 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. 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. 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

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We are delighted that you chose to purchase our 15 Watt combo: MIGHTY15SE.

MIGHTY15SE is a solid 15W digital guitar amplifier that gives you the ultimate playing experience! By using a 32bit DSP, 44.1 KHz/24bit AD/DA converters and our TSAC (True Simulation of Analog Circuit) technology, MIGHTY15SE delivers realistic guitar amp and quality EFX sounds.

The preamp was developed to accurately simulate the way an all-tube amplifier interacts with a loudspeaker. Four-modulation and two-ambience effects are built in.

Useful functions, such as a built in tuner, MP3/CD, AUX IN inputs and MIXER/PHONES outputs make your practice and show perfect!

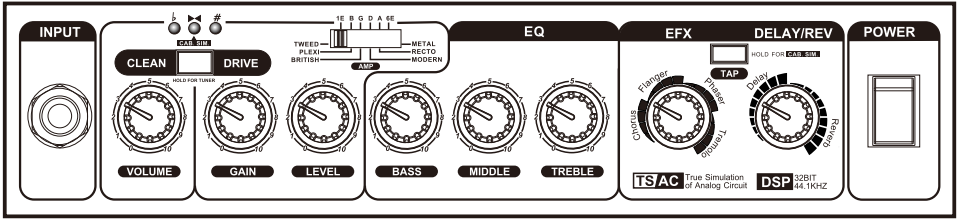
8 inch custom speaker and 15W of power create a very powerful amplifier that's portable enough for road or use in a studio.

# MAIN FEATURES

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- Seven 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 .
- MP3/CD and AUX IN inputs allow jamming with an external music-playback device (MP3 player, etc.)
- MIXER/PHONES output.
- 15W RMS power output .
- 8 inch custom speaker.

# FRONT PANEL



## INPUT

Plug your guitar into this jack.

## VOLUME

This knob controls the CLEAN channel's volume. At low settings the sound will be very clean with a solid-state amp ring.

## GREEN LED

Lights up to indicate the CLEAN channel is active. Lights up to indicate the pitch is flat in tuning mode.

## CHANNEL SELECT BUTTON

This selector lets you switch channels by pushing the button. You can confirm which channel is selected by LED above the button. NOTE: Press this button and hold for 2 sec, the tuning mode is enabled, the sound is muted. Press this button again to exit.

## BLUE LED

Lights up to indicate cab-simulation function is enabled, and the pitch is correct in the tuning mode.

## RED LED

Lights up to indicate the DRIVE channel is active. Lights up to indicate the pitch is sharp in tuning mode.

## GAIN

Rotate this knob to determine the amount of distortion in the DRIVE channel.

## LEVEL

Rotate this knob to control the DRIVE channel's volume level.

## TYPE SWITCH

You can select from the following six types. When the tuner function is on, you can use this to select the name of the string to be tuned.

- **TWEED:** This is modeled after the classic American blues sound amplifier. The amplifier's four 10-inch speakers produce a clear upper-midrange with a fat low end, and its unique crunch tones make it a favorite of blues-rock guitarists.
- **PLEXI:** This is modeled after the sound and response of a legendary UK classic stack birthed in 60's. It's renowned for its tight low end, and smooth presence for classic and hard rock.
- **BRITISH:** This is modeled after 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.
- **MODERN:** This is modeled after the American modern high gain amp. This super high gain amp is favorite for lead sounds or 80's metal.
- **RECTO:** This is modeled after the 90's High gain amp which has more low end and shimmer presence! It is capable of producing metal, grunge, and a wide range of rhythm and lead sounds.
- **METAL:** This is modeled on the famous metal pedal created in 90's. It can produce tons of bottom-end and shocking upper-midrange.

# FRONT PANEL

## EQ SECTION

The BASS, MID and HIGH knobs affect both channels. MID and HIGH influence each other, a character 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 KNOB

Turn this knob to chorus, flanger, phaser, or tremolo to select the corresponding effect.

Turn the knob to adjust the amount of effect applied.

The red indicator beside this knob lights up when EFX is turned on, and goes out when EFX is turned off.

#### ● 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 a 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.

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

## DELAY/REVERB KNOB

Turn this knob to DELAY or REVERB to switch to that effect. Turn the knob to adjust the amount of effect applied.

The red indicator beside this knob lights up when DELAY or REVERB effect is turned on, and goes out when the effect is turned off. In DELAY, indicator will flash according to delay time by setting of TAP button.

#### ● DELAY

A Delay is an effect that records a portion of the incoming signal, and then play it back a long time later. The recording can repeat just once or several times. The delay time can be set by tapping the TAP button!

#### ● REVERB

Reverb simulates sounds produced in an echo chamber by creating a large number of echoes that gradually fade or decay. Just like playing in a hall or a room.

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

# FRONT PANEL

## TAP BUTTON

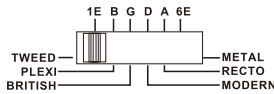
Tap on the **TAP** button a few times to set the delay time. Hold this button for 2sec, the **BLUE** LED lights up to indicate the cab-simulation function is active.

## POWER SWITCH

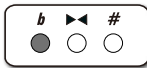
This switches the power on and off.

## TUNING

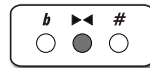
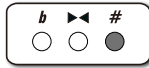
1. Press and hold **CHANNEL** for 2 seconds. When the **GREEN** LED starts to flash, you are in tuning mode.
2. Use the Type switch to select the name of the string you want to tune, and then play an open string. Note: The amp will be muted in tuning mode.



3. Tune the string until the blue indicator lights.



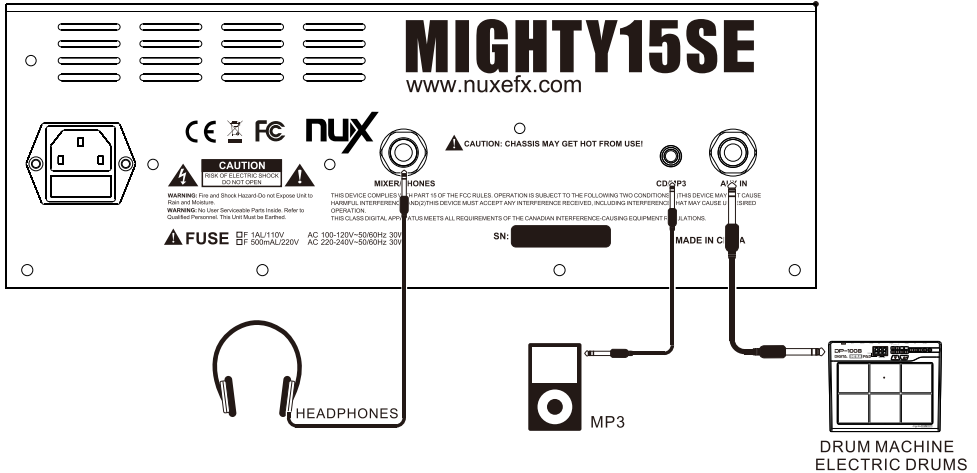
The two LED lights on both sides indicate if the note you play is flat or sharp, ie. The **GREEN** LED light flashes fast if the note is very flat, and flashes slower as your note gets closer to the correct pitch. If the **RED** LED light flashes, you have to turn down the note.



When the note is perfectly in tune, only the middle **BLUE** LED lights up.

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

# REAR PANEL



## AUX IN JACK

You can connect an external music playback device such as a drum machine to this 6.35mm jack, and play along with your guitar.

## CD/MP3 JACK

You can connect a CD player, MP3 player or other kind of music playback device to this 3.5mm jack and play along with your guitar.

Note: Determine the volume level by adjusting the volume control of the connected device.

## MIXER/PHONES JACK

Use a mono 1/4" phone plug when connecting a MIXER to this jack. Connect headphones to this jack. When using this jack, open the cab-simulation function, refer to TAP function.

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.



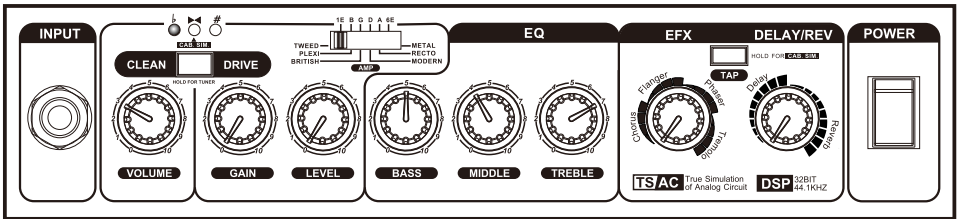
# SPECIFICATIONS

- Sampling Frequency: 44.1kHz
- A/D, D/A Convert: 24bit
- Signal Processing: 32bit
- Nominal Input Impedance: 1Mohms
- MP3/CD Input: -10dBu/10kohms
- HEADPHONES Output: 250mW+250mW(into 32-ohm load)
- Tuning Range: E<sub>0</sub> (20.60Hz) - C<sub>8</sub> (4186Hz)
- Reference Pitch: A4 =440Hz
- Power Output: 15W RMS (THD+N<10%)
- Power Supply: AC 110V, AC220V or AC230V
- Power Consumption: 30W
- Dimensions: 360(L)X330(W)X220(H)mm
- Weight: 8.0kg
- Accessories: Power cord, Owner's Manual

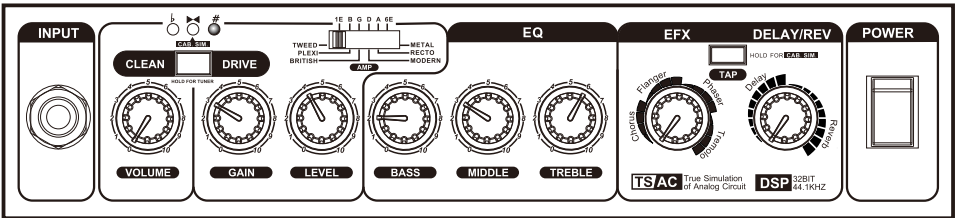
**NOTE:** Specifications may change without notice.

## SUGGESTED SETTINGS

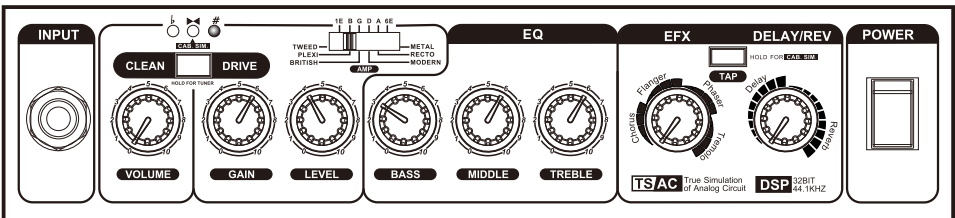
Bright Clean



Warm Blues



Hard Rock



## Jazz Blues

The Jazz Blues pedal interface features a top section with a pickup selector (TWEED, PLEXI, BRITISH, AMP, METAL, RECTO, MODERN) and a 'CLEAN'/'DRIVE' toggle. Below this are six knobs: VOLUME, GAIN, LEVEL, BASS, MIDDLE, and TREBLE. The EQ section includes three additional knobs. The EFX section has a 'Flanger' knob and a 'TAP' button. The DELAY/REV section has a 'Delay' knob and a 'TAP' button. The POWER section has a power switch. The bottom of the interface includes the TSAC logo and the text 'True Simulation of Analog Circuit' and 'DSP 32BIT 44.1KHZ'.

## Lead Tone

The Lead Tone pedal interface is identical in layout to the Jazz Blues pedal, featuring a pickup selector, 'CLEAN'/'DRIVE' toggle, six EQ knobs (VOLUME, GAIN, LEVEL, BASS, MIDDLE, TREBLE), three additional EQ knobs, an EFX section with a 'Flanger' knob and 'TAP' button, a DELAY/REV section with a 'Delay' knob and 'TAP' button, and a POWER section with a power switch. The bottom of the interface includes the TSAC logo and the text 'True Simulation of Analog Circuit' and 'DSP 32BIT 44.1KHZ'.

## Super Lead

The Super Lead pedal interface is identical in layout to the Jazz Blues and Lead Tone pedals, featuring a pickup selector, 'CLEAN'/'DRIVE' toggle, six EQ knobs (VOLUME, GAIN, LEVEL, BASS, MIDDLE, TREBLE), three additional EQ knobs, an EFX section with a 'Flanger' knob and 'TAP' button, a DELAY/REV section with a 'Delay' knob and 'TAP' button, and a POWER section with a power switch. The bottom of the interface includes the TSAC logo and the text 'True Simulation of Analog Circuit' and 'DSP 32BIT 44.1KHZ'.

## Metal

The Metal pedal interface is identical in layout to the other three pedals, featuring a pickup selector, 'CLEAN'/'DRIVE' toggle, six EQ knobs (VOLUME, GAIN, LEVEL, BASS, MIDDLE, TREBLE), three additional EQ knobs, an EFX section with a 'Flanger' knob and 'TAP' button, a DELAY/REV section with a 'Delay' knob and 'TAP' button, and a POWER section with a power switch. The bottom of the interface includes the TSAC logo and the text 'True Simulation of Analog Circuit' and 'DSP 32BIT 44.1KHZ'.

### **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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