nuX

MIGHTY30SE

Digital Guitar Amplifier

Owner's Manual

30w **10"** **Speaker**

Upgraded Version

www.nuxefx.com

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

We are delighted that you chose to purchase our 30 Watt combo: MIGHTY30SE.

MIGHTY30SE is a solid 30W digital guitar amplifier that gives you the ultimate playing experience! By using a 32bit DSP, 44.1KHz/24bit AD/DA converters and our TSAC (True Simulation of Analog Circuit) technology, MIGHTY30SE supplies amazing guitar amp tone and quality EFX sounds.

The preamp is developed to accurately simulate the way an all-tube amplifier interacts with a loudspeaker. It sounds and plays just like an analog device. 4 modulation and 6 ambience effects are built in. It's fully programmable and user can save up to 16 presets.
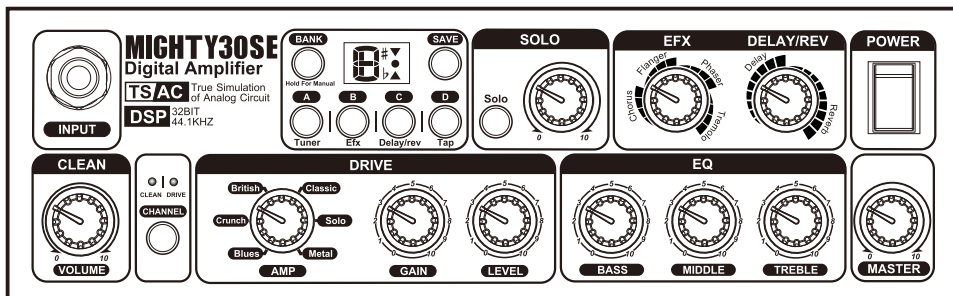
Built in tuner, MP3/CD & PEDAL inputs, USB, Headphones/MIXER outputs are very useful for both practice and live performance!

With a 10 inch custom speaker and 30W of power, the Mighty 30SE is powerful and still portable enough for road or use in a studio.

MAIN 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 16 Presets.
- MP3/CD and AUX IN inputs allow jamming with an external music-playback device (MP3 player, etc.)
- USB jack.
- PEDAL Input for presets switching.
- Headphones/Mixer Output.
- 30W RMS power Output.
- 10 inch custom speaker.

FRONT PANEL

INPUT JACK
Connect your guitar here.

CLEAN CHANNEL
VOLUME Knob: Adjusts the pre-level of the CLEAN channel.

CHANNEL SWITCH
Switches between the CLEAN channel and DRIVE channel.

CHANNEL INDICATOR
CLEAN Indicator: Lit on shows you are in CLEAN channel.
DRIVE Indicator: Lit on shows you are in DRIVE channel.

DRIVE CHANNEL
AMP Knob and Indicators: Select different AMP types, the corresponding indictor will light.
You can switch between the following six types.

- BLUES: This is modeled after the classic American blues style amplifier with four 10-inch speakers that produces clear upper-midrange and fat low end. Its unique crunch tone makes it a favorite of blues-rock guitarists.
- CRUNCH: This is modeled after 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 after the British class-A combo amp that created the Liverpool sound in the 60's. It can produce clear low-midrange with tight low end.
- CLASSIC: This is modeled after the British high gain amp in the 1970s; it is truly the perfect amp for the "top rock" guitar sound.
- SOLO: This is modeled after 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 after 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. Increasing gain will have more distortion.

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.

4

FRONT PANEL

MASTER VOLUME
Adjusts the overall volume of the amplifier without affecting your tone.

EFX SECTION
CHORUS/FLANGER/PHASER/TREMOLO Knob:
Turn this knob to select Chorus, Flanger, Phaser, or Tremolo. Turn the knob to adjust the amount of effect applied.
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, 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 KNOB
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.
●**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.

SOLO
Add extra volume to the output level; let your guitar sound stand out of the band.
SOLO Switch: when the red indictor lights up, the SOLO function is switched on.
SOLO Knob: Set the amount of volume boost when you switch on the SOLO function. Range: 0-6dB.

EDIT AND PRESET SECTION
Under Presets Mode, press Bank to switch banks (BANK 1 - 4). Press and hold Bank to switch between Presets mode and Edit mode.
●SAVE Switch
  Under Edit mode, press SAVE to store your sound (see SAVING YOUR FAVORIT SOUND)

●7-Segment LED
  Indicate the working status or tuning of the amp.

●A/Tuner Switch
  Under Edit mode, press A/Tuner to enter tuning mode;
  Under Presets mode, press A/Tuner to select the first preset tone, and the LED of this button lights up.

●B/Efx Switch
  Under Edit mode, press B/Efx to turn on/off the modulation effects;

Under Presets mode, press B/Efx to select the second preset tone, and the LED of this button lights up.

● C/Delay/rev Switch
Under Edit mode, press C/Delay/rev to turn on/off Delay or Reverb;
Under Presets mode, press C/Delay/rev to select the third preset tone, and the LED of this button lights up.

● D/Tap Switch
Under Edit mode, press D/Tap to set the delay tempo, the LED of this button will flash to indicate the delay speed.
Under Presets mode, press D/Tap to select the fourth preset tone, and the LED of this button lights up.

POWER SECTION
Power switch: Switches the power on and off.

SAVING YOUR FAVORIT SOUND
Under Edit mode, once you find the tone you like, press SAVE button, the LED starts flashing to show the bank number. There are 4 banks, so you can press BANK button to choose which bank you want to save to, and then press A, B, C, or D button to choose a position to save the current tone. Ex. To save the current tone to 1A, first, choose Bank 1, LED will show a flashing "1" , and then you press button A, you will see the "1" will flash 3 times, the tone is saved to position 1A as preset. If you want to cancel saving after you press SAVE button, you can press SAVE button again before you complete the saving process.

✻MIGHTY 30SE comes with 16 factory presets, and you may edit them to your favorite sounds.

TUNING YOUR GUITAR
1. Under Edit mode, press Tuner to enter silence tuning mode, LED shows "--".
2. Slightly play a single note on the guitar, and you will see the note name is displayed on the screen.
3. The red light on the upper side lights up means the string is sharp compared with the shown note; the red light on the down side lights up means the string is flatter than the shown note. Turn the guitar tuning peg until you see the center green LED lights up.
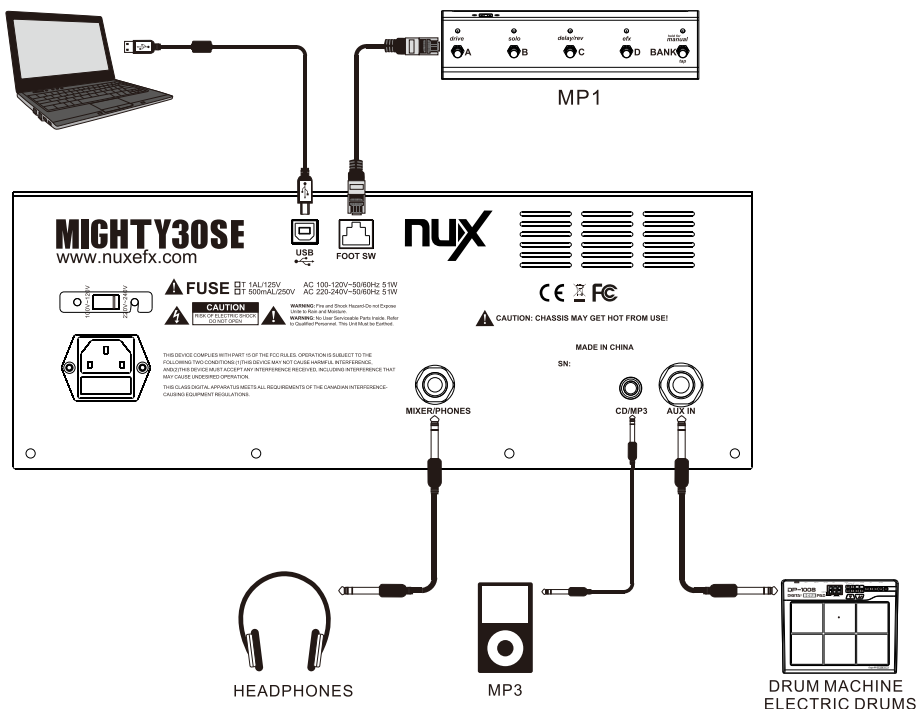
| TUNING MODE | FLAT | SHARP | IN TUNE |

NOTE: A4=440Hz.

FACTORY RESTORE
Press the SAVE button and hold it for 2 seconds, an "F" will be flashing on the screen, and then press BANK button to reset the MIGHTY30SE to factory setting.

WARNING: Reset the MIGHTY30SE will lose all your user presets. Please keep the power on during resetting process to avoid damaging the amp.

REAR PANEL

MP1

HEADPHONES   MP3   DRUM MACHINE ELECTRIC DRUMS

FOOT SW
Connect the footswitch pedal to the amp using a normal RJ45 net cable to control the amp.

USB Jack
USB for firmware updating, and to control to amp by computer software.

CD/MP3
You can connect a CD player, MP3 player or other device to this 3.5mm jack and play back the music or backing tracks through the amp: It's useful when you want to use the amp effects and play along with the backing tracks.

AUX IN
You can connect a CD player, MP3 player or other device to this 6.35mm jack and play back the music or backing tracks through the amp: It's useful when you want to use the amp effects and play along with the backing tracks.

MIXER/PHONES JACK
This outputs the sound of Mighty 30SE to a MIXER or phones. Use mono1/4 phone plugs when connecting outboard equipment to this jack. Connect headphones to this jack.

MAINS IN
Connect the included mains power 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.

7

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)
- Display: 7-segment LED
- Tuning Range: E_0 (20.60Hz) - C_8 (4186Hz)
- Reference Pitch: A4 =440Hz
- Power output: 30W RMS (THD+N<10%)
- Power Supply: AC 110V, AC220V or AC230V
- Power Consumption: 51W
- Dimensions: 39.5(L)X22(W)X37.5(H)cm
- Weight: 9.2kg
- Accessories: Power cord, Owner's Manual, MP1(OPTIONAL)

NOTE: Specifications may change without notice.

FACTORY RESET SETTINGS

No.	Name	Discription
1A	Ultra Clean	A clean sound with lush chorus
1B	Dirty Boost	Tweed sound with added room ambience
1C	Super Lead	A sound for solo
1D	Power Hard Core	Heavy metal with mid-boosted sound
2A	Country Lick	A classic country rock sound
2B	Vintage Overdrive	Blues Rock sound with boosted mid-range
2C	70's Hard Rock	Tighten bass and aggressive treble sound
2D	Metal Flanger	Heavy metal sound with flanger effect
3A	Surf Sound	A clean sound with deep reverb
3B	Blues riff	Basic Blues rhythm sound
3C	Delay Lead	Lead tone using a long delay
3D	Tremolo rhythm	A crunch sound with tremolo effect
4A	Funky Tone	Really great clean sound, suitable for clean muted chords.
4B	Phase Drive	Just phaser sound for 70's rock
4C	Combo Chord	A combo amp with crunch sound
4D	Scoop Metal	80's heavy metal with mid-scooped sound

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.nuxefx.com   CE ⌷ FC RoHS Compliant   Made in China