

NUX

Street Artist

SA-100

Owner's Manual



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Made in China



100W



OTG



App



Bluetooth



Rechargeable

nuxaudio.com

WARNING

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

CAUTION

This device complies with part 15 of the 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. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



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.

INTRODUCTION

The NUX SA-100 is a rechargeable, all-in-one amplifier designed for street performances, live streaming, and recording. It combines a warm, pure Class A analog preamp with discrete transistors and powerful DSP-driven digital effects to enhance your sound. The high-fidelity speaker system includes five speakers: an 8-inch bass driver for deep lows and four 2.75-inch tweeters for clear highs. Powered by a 100W peak Class D amplifier, it offers impressive volume and sound clarity, making it an ideal choice for busking and outdoor performances.

Furthermore, the SA-100's versatile connectivity options make it perfect for both live streaming and recording. With a LINK(PHONE) jack for analog recording or live streaming, as well as a USB-C port for OTG recording, streaming, and USB audio streaming, the amplifier also doubles as an audio interface when connected to your computer.

WHAT'S IN THE BOX?



3.5mm TRRS patch cable



Power adapter



9V DC male to female cable



NMP-2 Lite dual-foot switch



TRS patch cable for the NMP-2 Lite



USB to USB-C cable

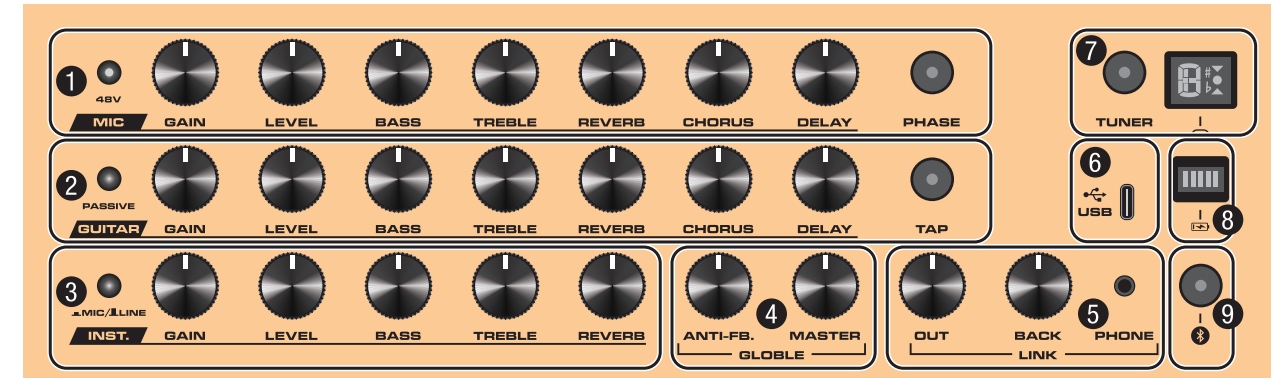


Trolley Bag

! IMPORTANT NOTES

1. Before using the amplifier for the first time, carefully read this manual and keep it for future reference.
2. Before using the amplifier for the first time, fully charge the battery using the included 28V DC power adapter.
3. Handle this amplifier with care. When mounting it onto a speaker stand, make sure the stand is placed on a stable, flat surface to prevent instability. Dropping the amplifier can cause serious damage.
4. Always turn the volume down before powering on. Gradually increase it to a comfortable level to avoid hearing or equipment damage.
5. A firmware update may be available for this amplifier. Please visit www.nuxaudio.com for more information.
6. The NUX Stageman app is compatible with this amplifier, allowing you to customize settings and control various features for a personalized experience.

CONTROL PANEL



The NUX SA-100 control panel consists of the following: MIC channel controls, Guitar channel controls, INST. channel controls, Global controls, LINK controls, and other.

1 MIC Channel Controls

4 Global Controls

7 Tuner

2 Guitar Channel Controls

5 LINK Controls

8 Battery Indicator

3 INST. Channel Controls

6 USB Port

9 Bluetooth Button

MIC Channel Controls

The controls in this section allow you to customize the settings for the MIC Channel.

48V Phantom Power Button



Press this button to enable or disable 48V phantom power on the **[MIC Combo Input]**.

- For condenser microphones: Enable 48V phantom power.
- For dynamic microphones: Ensure that phantom power is disabled.

GAIN Knob



Use this knob to control the input gain for the microphone. The correct gain setting will enhance your vocal sound, while too much gain may cause distortion.

LEVEL Knob



Adjusts the output level of the MIC channel.

BASS Knob



Adjusts the bass-frequency range.

TREBLE Knob



Adjusts the high-frequency range.

REVERB Knob



Adjusts the level of reverb applied to the MIC channel.

CHORUS Knob



Adjusts the level of chorus applied to the MIC channel.

DELAY Knob



Adjusts the mix level of the delay effect.

PHASE Button



Reverses the phase of the signal sent from the MIC channel to the NUX SA-100. This button can be useful when multiple instruments are plugged into the NUX SA-100 to prevent phase cancellation.

Guitar Channel Controls

The controls in this section allow you to customize the settings for the Guitar Channel.

PASSIVE Button



If you're using an acoustic guitar with passive pickups, press the PASSIVE button to boost the preamp gain and get a fuller, richer tone.

GAIN Knob



Use this knob to control the input gain for the Guitar channel.

LEVEL Knob



Adjusts the output level of the Guitar channel.

BASS Knob



Adjusts the bass-frequency range.

TREBLE Knob



Adjusts the high-frequency range.

REVERB Knob



Adjusts the level of reverb applied to the Guitar channel.

CHORUS Knob



Adjusts the level of chorus applied to the Guitar channel.

DELAY Knob



Adjusts the mix level of the delay effect.

TAP Button



This button sets the global delay tempo. Tap the button in time with the desired tempo. For more precise tempo control, please use the NUX Stageman app.

INST. Channel Controls

The controls in this section allow you to customize the settings for the INST. Channel.

MIC/LINE Button



Press this button to set the MIC LEVEL or LINE LEVEL for the [INST. input]

GAIN Knob



Use this knob to control the input gain for the INST. channel.

LEVEL Knob



Adjusts the output level of the INST. channel.

BASS Knob



Adjusts the bass-frequency range.

TREBLE Knob



Adjusts the high-frequency range.

REVERB Knob



Adjusts the level of reverb applied to the INST. channel.

GLOBAL Controls

Anti-Feedback Knob



Use this knob to reduce or eliminate unwanted feedback by adjusting the frequency range causing the issue. It helps maintain clear, controlled sound during live performances or recordings.

MASTER Knob



Adjusts the overall volume level of the SA-100.

LINK Controls

OUT Knob



Adjusts the volume of the audio send to the phone via the LINK(PHONE) jack.

BACK Knob



Adjusts the volume of the audio returned from the phone via the LINK(PHONE) or the AUX IN volume.

PHONE Jack



You can connect your phone or tablet to the PHONES Jack using a TRRS cable for recording or live stream. This jack also serves as an AUX-IN, allowing you to connect your phone or MP3 player to the SA-100 using a 3.5mm TRS AUX cable.

Other

USB Port



Use this port to connect your phone or tablet for recording or live stream (OTG). This port also functions as a recording interface, allowing you to connect the SA-100 to your computer for direct audio recording.

TUNER Button



Press the TUNER button to activate the built-in tuner function. When the tuner is enabled, the Guitar channel will be muted.

Tuning Display



The tuning display shows the current pitch of your instrument, helping you tune accurately. The display indicates whether the note is in tune, sharp, or flat.

Battery Indicator



Displays the battery level of the built-in Li-Po battery. A full charge provides up to 6 hours of continuous operation.

Bluetooth Button



Press to turn the built-in Bluetooth function on or off.

BACK PANNEL

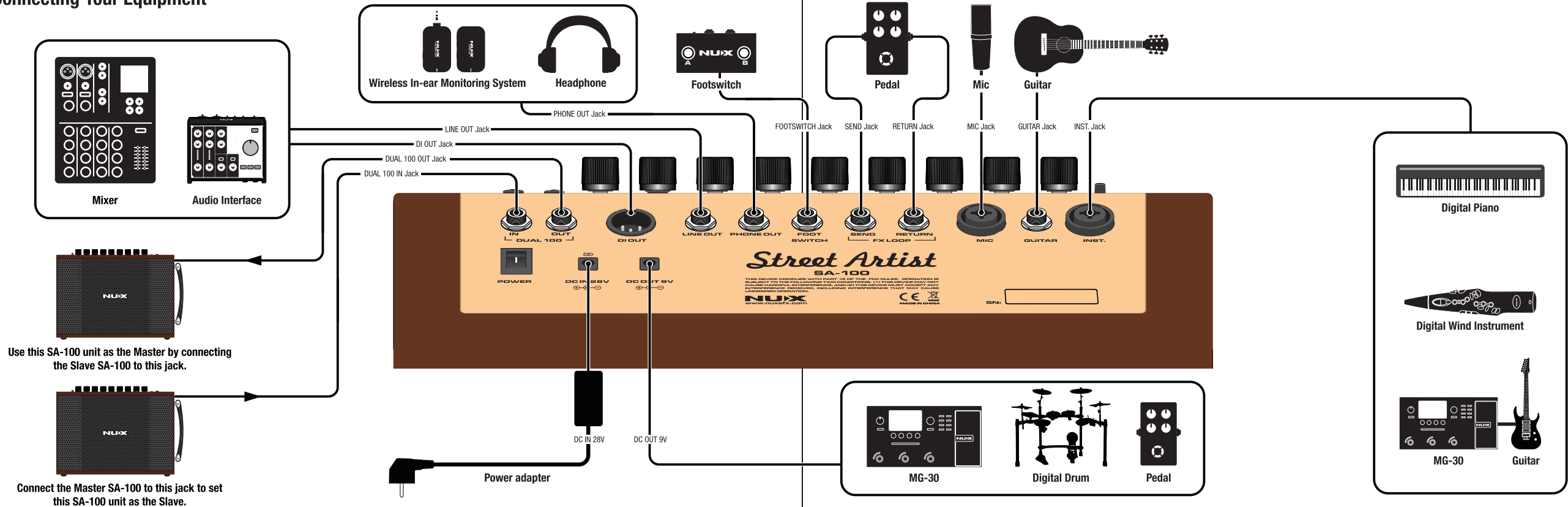


- 1 Expansion Jacks
- 4 PHONE OUT Jack
- 7 MIC Jack
- 10 Power Switch

- 2 DI OUT Jack
- 5 FOOT SWITCH Jack
- 8 GUITAR Jack
- 11 DC IN 28V

- 3 LINE OUT Jack
- 6 FX LOOP Jacks
- 9 INST. Jack
- 12 DC-OUT 9V

Connecting Your Equipment



OPERATING INSTRUCTIONS

Connecting Microphones and Other Instruments to the SA-100

1. Connecting a Microphone

Connect your microphone to the MIC input on the SA-100. Use the MIC channel to adjust tone and effects settings for your voice. If you're using a condenser microphone that requires phantom power, ensure the 48V phantom power switch is turned on for proper operation.

2. Connecting an Electric Guitar

Plug your electric guitar into the GUITAR input on the SA-100. Use the GUITAR channel to adjust the tone and effects specifically for guitar sound. If you're using a passive pickup guitar, press the PASSIVE button to optimize the input level.

3. Connecting Other Instruments

For instruments such as electric trumpet, electronic drums, guitar effects pedals, or electric pianos, connect them to the INST. input. Based on the type of instrument you're using, select the appropriate input mode to ensure proper sound and performance.

Connecting your LIVE stream gears

1. LINK Input Connection

Use the included TRRS cable to connect your phone to the LINK (PHONE) input. If your phone uses a USB Type-C or Lightning port, you'll need a dedicated TRRS adapter for the connection. The **OUT** knob controls the volume sent to your phone, while the **BACK** knob adjusts the volume of audio coming from the phone back to the speaker (for music playback or live calls).

2. USB Connection

Use the included USB cable to connect your phone to the SA-100. Depending on your phone, you may need an OTG adapter for proper functionality.

3. Computer Live Streaming

In addition to the above two methods, you can also connect the SA-100 to your computer for recording or live stream. For Mac users (macOS), no driver is required. For Windows users, you'll need to visit the product page and download the dedicated NUX ASIO Driver to get it working. Make sure to select the SA-100 as the audio device in your system's sound settings.

Using Two or more SA-100s

If you have two or more SA-100 units, you can link them together for a wider sound setup. When connecting one SA-100 to another via the DUAL 100 OUT jack, the connected unit becomes the Slave, while the first unit acts as the Master. On the other hand, when connecting through the DUAL 100 IN jack, the second unit becomes the Master. Simply use a 6.35mm TS cable for the connection. This daisy-chaining interface also allows you to link multiple SA-100 units for an expanded setup.

Monitoring Out

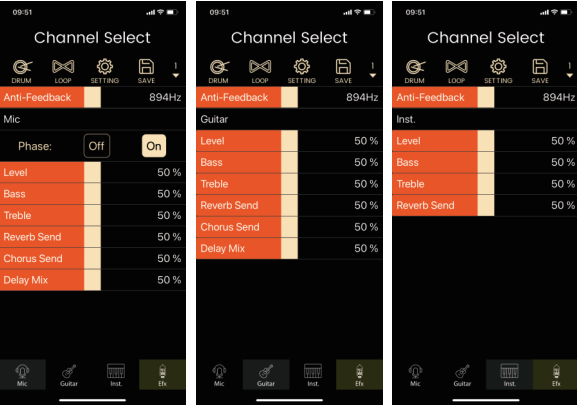
The PHONE OUT jack on the back panel of the SA-100 is great for live monitoring. If you're performing and need to stay behind the speaker to keep the volume high without causing feedback, simply connect a wireless in-ear monitoring system to this jack. This way, you don't have to stand in front of the speaker. For the best experience, we recommend the NUX B-7PSM 5.8G wireless in-ear monitoring system.

At home, if you're using the SA-100 for live streaming and want to keep the noise down, turn off the MASTER and use the headphone jack for monitoring and streaming. This way, you can keep the sound in your headphones while you broadcast without disturbing anyone.

Stageman APP

You can download the Stageman app from the Google Play Store or the Apple App Store to configure the settings of the SA-100 remotely.

Stageman app



MIC Channel Controls Guitar Channel Controls INST. Channel Controls

Further information

Visit the product page to learn more about the NUX SA-100. Be sure to follow us on Facebook, YouTube, and Instagram to stay updated.

SPECIFICATIONS

Sample Rate:	48kHz
A/D Conversion:	24Bit
Signal Processing Precision:	32Bit
MIC Input Impedance:	2.4kΩ
Gain Range:	60dB
INST Input Impedance:	1MΩ
Guitar Input Impedance:	1MΩ
Receive Impedance:	1MΩ
Send Impedance:	1kΩ
Output Power:	100W
Speaker Size:	Bass: 8" x 1 (6Ω) Treble: 2.75" x 4 (6Ω)
Frequency Response:	20Hz ~ 20kHz ±1dB
Power Supply:	28V 4A (Negative Tip)
Battery Capacity:	5200mAh
Charging Time:	Approx. 6 hours (Charging current 1A)
Dimensions:	426(L) x 281(W) x 305(H) mm
Weight:	9.5kg

* Specifications are subject to change without further notice.