MIGHTY AIR

Wireless Stereo Modelling Guitar and Bass Amplifier with Bluetooth

Owner's Manual



WARNING

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

CAUTION

FCC ID:2AOAA-MIGHTYAIR

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.

CONTENTS

INTRODUCTION ····· 03
FEATURES ····· 03
CONTROL PANEL ····· 04
PLAYING THE GUITAR/BASS ····· 07
DRUM MACHINE ····· 08
USING THE BUILT-IN WIRELESS SYSTEM ····· 09
BLUETOOTH CONNETION ····· 12
CHARGING THE AMPLIFIER ····· 13
SPECIFICATIONS ····· 13

INTRODUCTION

Thank you for purchasing the NUX MIGHTY AIR wireless stereo modelling guitar and bass amplifier. This compact monster can serve the modern guitar /bass players for bedroom practice, pre-show warming up, travel entertainment and more.

FEATURES

-Latest wireless guitar technology with ultra-low latency.

-Noise Gate, Guitar and Bass Amp Models, IR Cabinet Models, Dynamic, Modulation and Ambiance Effects, Acoustic Guitar Simulator.

-Built-in Drum machine.

-NUX MIGHTY Amp App for Android & IOS devices for wireless advanced tone editing.

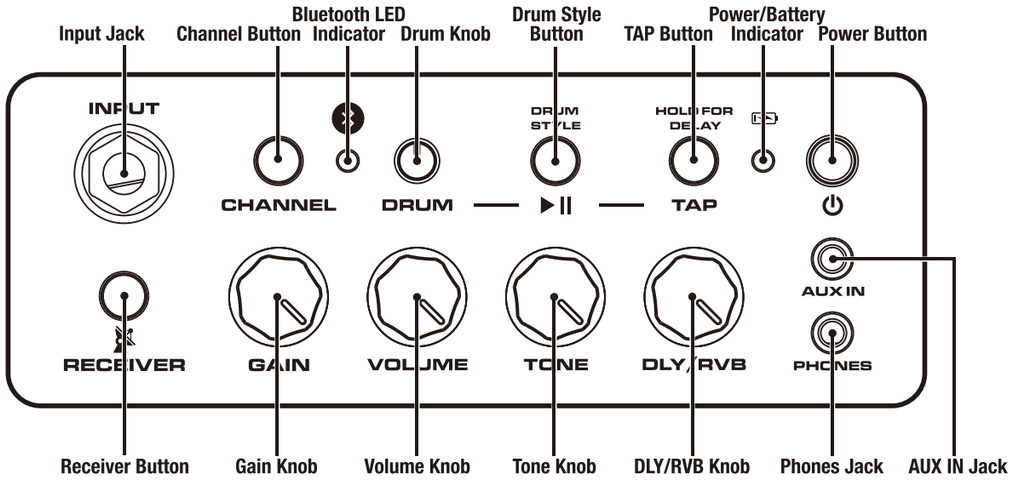
-Custom stereo loudspeaker system that delivers incredible tone.

-Built-in rechargeable battery that can run for up to 18 hours.

-Stereo audio streaming via Bluetooth.

-Run on built-in rechargeable battery or USB Power.

CONTROL PANEL



INPUT

INPUT JACK

1/4” mono instrument input. It also serves as a charger that charges power to the included wireless transmitter. (See: **Using the Built-in Wireless System**.)
WARNING: Never plug a STEREO cable into this jack.

CHANNEL

CHANNEL BUTTON

To switch channels.

DRUM

DRUM KNOB

To control drum volume or select drum styles.

DRUM STYLE

DRUM STYLE BUTTON

To turn ON/OFF the drum machine, or in combination with the Drum knob to select drum styles.

HOLD FOR DELAY

TAP

TAP BUTTON

To turn On/Off the Delay effect and set the Delay time or drum tempo.

POWER/BATTERY INDICATOR

This indicator shows the battery status of the MIGHTY AIR.

POWER BUTTON

Press and hold this button to turn On/Off the power.

RECEIVER

RECEIVER BUTTON

To turn on the wireless module. See: **Using the Built-in Wireless System.**

GAIN

GAIN KNOB

Use this knob to adjust the input signal level and drive level on Overdrive and Distortion channels.

VOLUME

VOLUME KNOB

Use this knob to adjust the output volume level.

TONE

TONE KNOB

Tone shaping EQ (counterclockwise: more bass, clockwise: more treble).

DLY/RVB

DLY/RVB KNOB

Use this knob to adjust the Delay mix or Reverb mix.

AUX IN

AUX IN JACK

3.5mm AUX-IN jack, for playing the sound from an external audio source.

PHONES

PHONES JACK

3.5mm headphone output for silent practice or recording.

USB

USB TYPE-C JACK

For charging power: 5V/2A
For firmware update, make sure you use a Type-C USB data cable.

RESET

RESET

Use a needle to press the reset button to shut off the amplifier if you encounter mal-function or cannot control any buttons.

PLAYING THE GUITAR/BASS

- Use a typical mono guitar cable to connect your guitar to the MIGHTY AIR. Or plug the included wireless transmitter into the guitar, and enjoy hours of cable free performance. (See. **Using the Built-in Wireless System**)

- Press and hold the **POWER** button to turn on the MIGHTY AIR. Set the **VOLUME** knob low before you start playing, and slowly turn it up to desired volume level.

- Press the **CHANNEL** button to select different channels. The backlight color of the **CHANNEL** button indicates the current channel. MIGHTY AIR is set to be Guitar mode by default. Using the free Mighty Amp App, you can easily switch it to Bass mode and use the bass amp models and IR cabinet models. Each channel can be customized to your taste and saved. (See. **Bluetooth Connection**)

GUITAR (factory default)		BASS	
Color	**Channel**	**Color**	**Channel**
Green	Clean	Green	Pop
Yellow	Overdrive	Orange	Rock
Red	Distortion	Blue	Funk
Fuchsia	Acoustic Simulator		

- Use **GAIN** and **TONE** on the front panel to adjust the tone.

- Press and hold the **TAP** button to turn On/Off **Delay** effect and then tap it repeatedly to set the Delay time. The backlight of the **TAP** button blinks in Yellow to indicate the Delay time. Tweak the **DLY/RVB** button to set Delay or Reverb mix.

MORE IS MORE! The Mighty Amp App unlocks a lot more features, effects and controls! It's totally FREE! You will be amazed at how much the Mighty Air delivers!



DRUM MACHINE

A quality drum machine is built inside the MIGHTY AIR. Press the **DRUM STYLE** button to turn on the drum machine, and tweak the **DRUM** knob to set the drum volume.
Press and hold the **DRUM STYLE** button for 1.5s, and then tweak the **DRUM** knob to change drum styles.
When the drum machine is on, the **TAP** button sets the drum tempo, instead of the Delay time, and the backlight of the **TAP** button blinks in Red.

Drum Styles	
01	Metronome
02	Pop
03	Metal
04	Blues
05	Swing
06	Rock
07	Ballad Rock
08	Funk
09	R&B
10	Latin
11	Dance

MIGHTY AIR has the advanced wireless system from NUX built-in. Just plug the included transmitter into the guitar, you will be ready to enjoy hours of cable free performance with ultra-low latency.

Wireless Connection

- For paring the MIGHTY AIR and the transmitter, turn on the MIGHTY AIR, and then press and hold the RECEIVER button on the MIGHTY AIR and the Power button on the transmitter simultanously until the transmitter is turned on and both the RECEIVER button and the transmitter's LED stay green.

- The system automatically detects the best channel in 2.4GHz frequency band. If the receiver doesn't receive any signal, the **RECERVER** button will turn red and blink slowly. It turns green when it receives the signal from the transmitter.

Mute Function

While the wireless system is working, press the **POWER** button on the transmitter once will mute the sound, and the **RECEIVER** button on the MIGHTY AIR will turn red. Press the **POWER** button on the transmitter again to get back the sound, and the **RECERIVER** button will turn green.

Cabletone Function

While the wireless system is working, press the **RECEIVER** button can switch ON/OFF the **Cabletone** effect, which emulates the tonal effect of 5m cable capacitor. **Cabletone** is OFF by default when the power is turned on.

Green	Cabletone OFF (Default)
Orange	Cabletone ON
Red	Mute

Auto Off

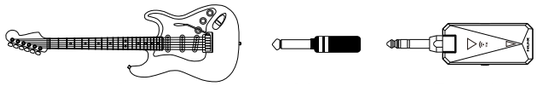
The wireless system will turn off automatically after 10 minutes without signal.

TIPS for Passive Pickup and Active Pickup

- If your guitar or bass is loaded with passive pickups, you may want to turn the Cabletone effect ON for better tone. Active pickups and electric-preamp loaded acoustic pickups normally sound better with the Cabletone effect OFF. While playing, press the RECEIVER button to experiment the difference.

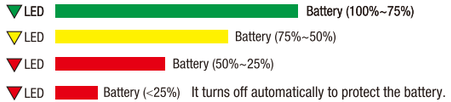
- If you are using active pickups, in order to reduce noise, it is suggested to keep more distance between the transmitter and the internal circuits of your guitar or bass.

- Active circuits generally use TRS output jacks, but different guitars can have different wirings to the ring and sleeve. Therefore, some guitars loaded with active pickups may not work with this type of transmitter. If this problem occurs, try to use a female to male adaptor to convert the stereo plug of the transmitter to a mono plug, and then plug into the guitar. See the picture below:



Charging the Transmitter

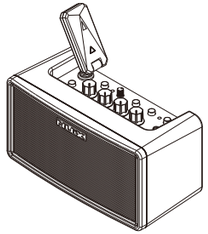
Each time you turn on the transmitter, its LED will show the battery status before it starts pairing:



To charge the transmitter, plug the transmitter into the **INPUT** jack of the MIGHTY AIR, and the MIGHTY AIR will charge power to the transmitter. When it is being charged, the LED on the transmitter shows Red, and the LED turns off when it's fully charged. It works for approximated 3.5 hours when it is fully charged.

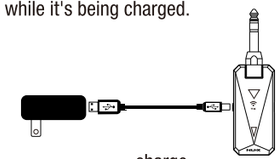
IMPORTANT WARNING: NEVER connect a STEREO cable between an external device and the **INPUT** jack on the MIGHTY AIR. There is risk to damage the external device by doing so!

USING THE BUILT-IN WIRELESS SYSTEM



charge

You can also charge the transmitter by USB, but the transmitter does not send signal while it's being charged.

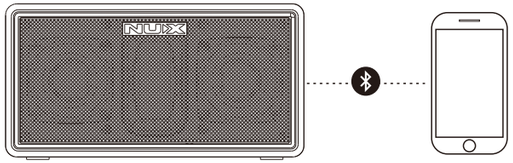


charge

BLUETOOTH CONNETION

The indicator shows Bluetooth status as below:

LED Indicator	Status
ON	Bluetooth device is Connected.
LED blinks	Standby - Ready for Bluetooth connection.



MIGHTY AIR Phone

Follow these steps to connect the MIGHTY AIR to the Mighty Amp App:

1.Make sure the Bluetooth function of your phone is turned ON.

2.Open the Mighty Amp App.

Settings > Found Devices > Click NUX MIGHTY AIR MIDI

3.After the screen of your phone shows “Getting Device Data. Ok”, you can use the Mighty Amp App to control the MIGHTY AIR.

Follow these steps to play the music from your phone:

1.Make sure the Bluetooth function of your phone is turned ON.

2.Choose NUX MIGHTY AIR from the device list, and connect it.

3.When it says Connected, play the music as you normally would with any normal Bluetooth amps.

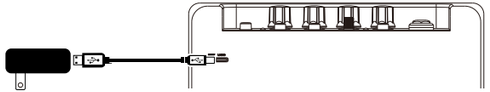
CHARGING THE AMPLIFIER

The Power/Battery Indicator shows the battery status of the MIGHTY AIR.



Use a Type-C USB cable to connect the amplifier to an adapter or the USB jack of a computer to charge power.

Power/Battery Indicator	Status
Green	Battery being changed/USB connected
Red	Low battery power
Red blinks	Battery running out in 1 minute
Off	Normal playing status.



charge

ECO Mode

ECO mode allows the MIGHTY AIR to turn off automatically after 6 minutes without working.

You can switch on/off the ECO mode in the Mighty Amp App.

SPECIFICATIONS

MIGHTY AIR

- USB Power: Type-C 5V/2A
- Charging Time: 3 Hours
- Playing Time: Up to 18 Hours
- INPUT Impedance: 1M
- AUX In Impedance: 22K
- Power: 10W
- Speakers: 2"/ 4Ω/ 10W x 2
- Frequency Response Range: 20Hz-22kHz
- Bluetooth Version: 4.2
- Bluetooth Distance: 10m
- Dimension: 186(L) x 91(W) x 98(H)mm
- Weight: 780g

Transmitter

- Operation Frequency: 2.4GHz
- Audio Quality: 24bit 44.1kHz
- Latency: < 5ms
- Playing Time: 3.5 Hours
- Charging Time: 2.5 Hours
- Wireless Distance: 15m
- Frequency Response: 20Hz-20kHz
- Battery Capacity: 3.7V/500mAh
- Dimension: 66(L)x30(W)mm
- Weight: 35g

Accessories: User manual, USB Cable

*Specifications and appearance subject to change without notice.

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.

© 2019 Cherub Technology-All rights reserved. No part of this publication may be reproduced in any form without prior written permission of Cherub Technology.

www.nuxefx.com

Made in China