SONICAKE QAM-20

SONICAKE AMPCUBE QAM-20 Guitar Amplifier User Manual

Model: QAM-20

1. INTRODUCTION

Thank you for purchasing the SONICAKE AMPCUBE QAM-20 Guitar Amplifier. This portable desktop amplifier is designed to provide a comprehensive and versatile practice and recording solution for guitarists. Featuring multi-effect digital modeling, Bluetooth connectivity, and a built-in rechargeable battery, the AMPCUBE QAM-20 offers a wide range of tones and functionalities in a compact package.

Please read this manual thoroughly to understand the features and operations of your new amplifier. Keep this manual for future reference.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage, please observe the following precautions:

- Do not expose the unit to rain, moisture, or extreme temperatures.
- Avoid placing the unit near heat sources or in direct sunlight.
- Do not open the casing. Refer all servicing to qualified personnel.
- Use only the specified power adapter (DC 9V) for charging.
- Keep out of reach of children.
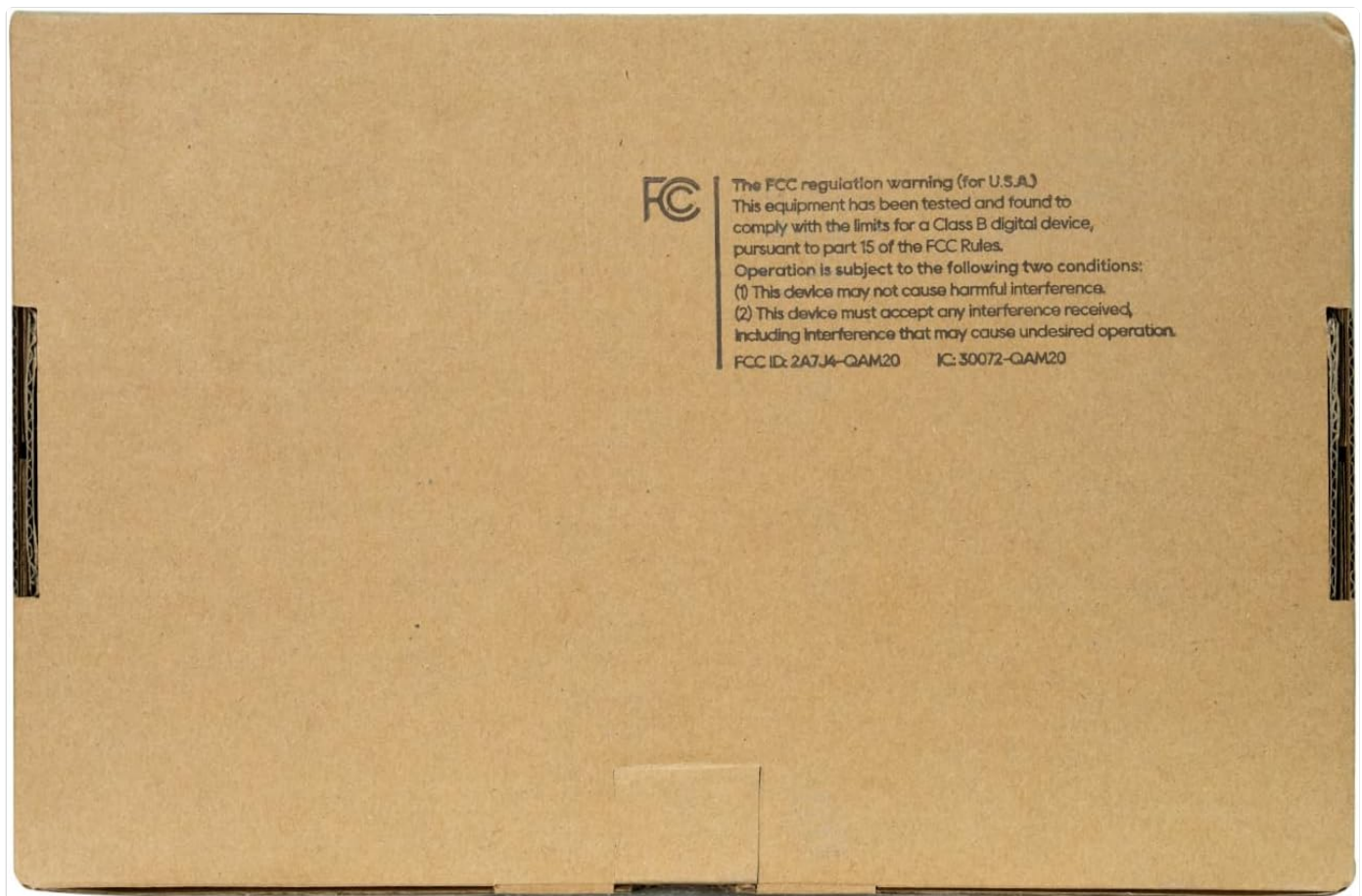- Clean only with a dry cloth.

Figure 2.1: FCC Warning and Regulatory Information. This device complies with part 15 of the FCC Rules. Operation is subject to 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.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- SONICAKE AMPCUBE QAM-20 Amplifier
- Power Adapter (DC 9V)
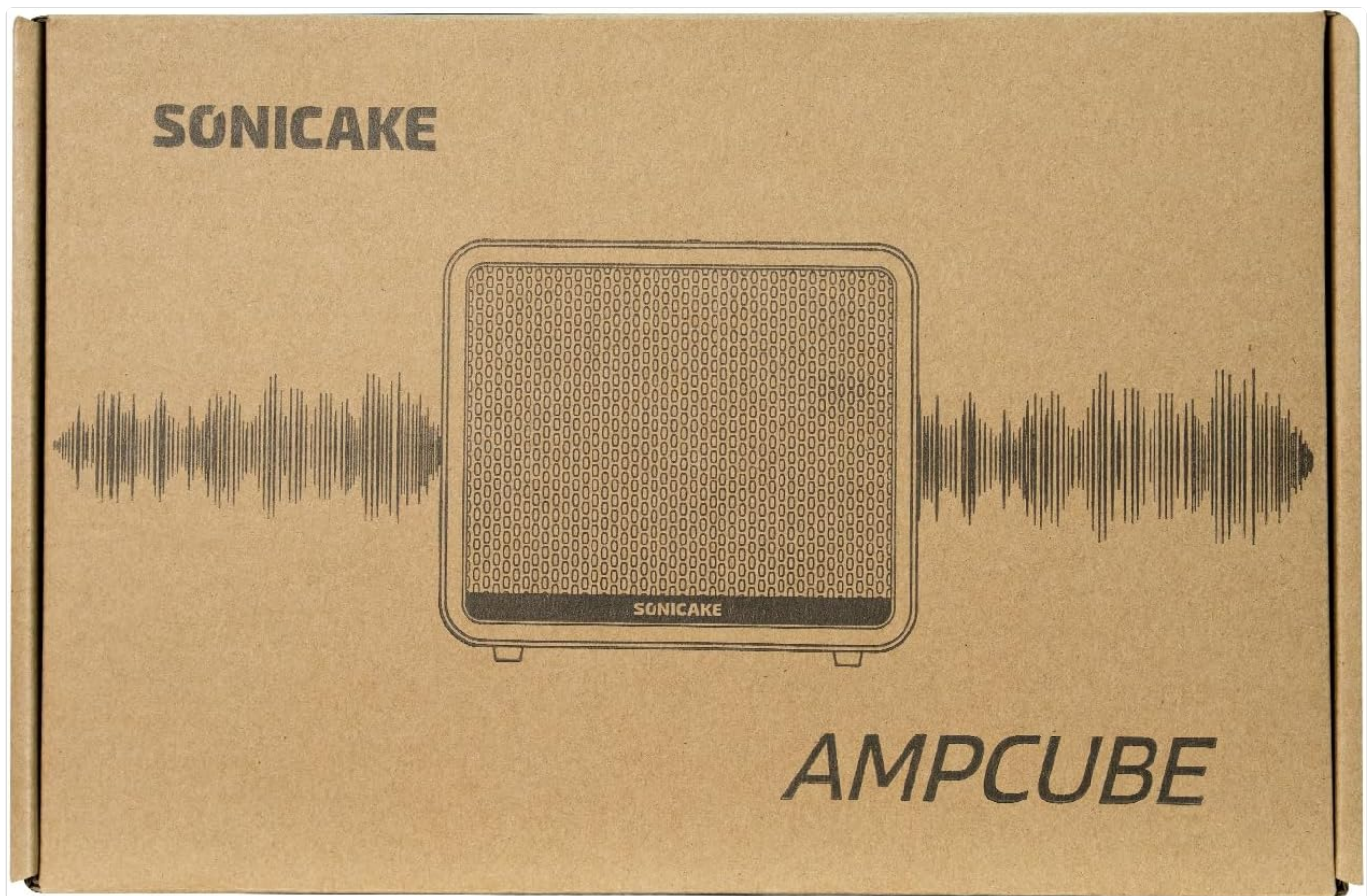- User Manual (this document)
- USB Cable

Figure 3.1: SONICAKE AMPCUBE QAM-20 Product Packaging.

4. PRODUCT OVERVIEW

4.1 Front Panel Controls

Figure 4.1: AMPCUBE QAM-20 Front and Rear Panel Layout.

1. **Power Button:** Press and hold to turn the unit ON/OFF.
2. **Display Screen:** Shows current preset, tuner information, and other settings.
3. **PARA Knob:** Parameter control for effects and settings.
4. **MASTER Knob:** Adjusts the overall output volume.
5. **INPUT Jack:** 1/4" input for connecting your guitar.

4.2 Rear Panel Ports

6. **USB Port:** For connecting to a computer for recording or firmware updates.

7. **PHONES Jack:** 1/8" stereo output for headphones.

8. **DC 9V Input:** Power input for the included adapter.

5. SETUP

5.1 Initial Charging

Before first use, it is recommended to fully charge the amplifier. Connect the included DC 9V power adapter to the DC 9V Input on the rear panel and plug it into a wall outlet. The charging indicator (if present on display) will show charging status. A full charge provides approximately 4 hours of battery life.

Figure 5.1: Built-in rechargeable battery provides up to 4 hours of continuous use.

5.2 Connecting Your Guitar

Plug one end of a standard 1/4" instrument cable into your guitar's output jack and the other end into the INPUT Jack (5) on the front panel of the AMPCUBE QAM-20.

5.3 Powering On/Off

Press and hold the Power Button (1) for a few seconds until the display screen illuminates to turn the amplifier ON. To turn OFF, press and hold the Power Button (1) again until the display shuts off.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

Once powered on, the amplifier will load the last used preset. Use the PARA knob (3) to navigate through presets or adjust parameters within an effect. The MASTER knob (4) controls the overall output volume.

6.2 Bluetooth Connectivity

The AMPCUBE QAM-20 supports Bluetooth 5.0 for audio streaming and app control.

- **Pairing for Audio:** Activate Bluetooth on your mobile device. Search for "SONICAKE AMPCUBE" in the list of available devices and select it to pair. You can now stream backing tracks or music through the amplifier.
- **App Control (MIDI):** Download the dedicated SONICAKE app from your device's app store. Open the app and follow the in-app instructions to connect to the amplifier via Bluetooth MIDI. This allows for detailed tone editing and preset management.

Figure 6.1: Mobile control and precision tone dialing via the companion app.

6.3 Effects and Presets

The amplifier features over 80 professional effects and 100 preset tones. These can be accessed and edited via the dedicated mobile app for comprehensive tone shaping. The app allows for quick saving and retrieval of your customized tones.

MULTI-EFFECTS DIGITAL POWERHOUSE

80+ pro effects and 100 killer presets—everything you need, right out of the box.

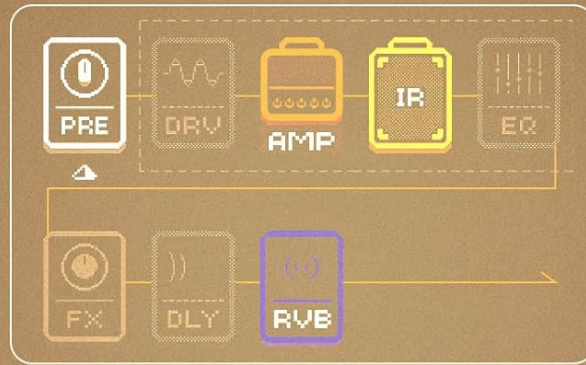Figure 6.2: The AMPCUBE QAM-20 offers a wide array of effects and presets.

Figure 6.3: Built-in multi-effect modules with tweakable controls.

6.4 USB Recording

Connect the amplifier to your computer using a USB cable (USB Port 6). The AMPCUBE QAM-20 can function as an audio interface, allowing you to record your guitar directly into a Digital Audio Workstation (DAW) software.

6.5 Built-in Tuner

The amplifier includes a built-in tuner. Activate the tuner function (refer to app or manual for specific button combination if not app-controlled) and tune your guitar using the visual feedback on the display screen.

Figure 6.4: Integrated tuner for accurate instrument tuning.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the unit regularly, even if not in active use.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from amplifier.	Amplifier not powered on; Volume too low; Guitar cable faulty; Incorrect input selected (if applicable).	Ensure power is ON; Increase MASTER volume; Check guitar cable connection; Verify input selection.
Bluetooth not connecting.	Bluetooth not enabled on device; Amplifier not in pairing mode; Interference.	Ensure Bluetooth is ON on your device; Restart amplifier and try pairing again; Move closer to the amplifier.
Short battery life.	Battery not fully charged; Old battery; High volume usage.	Ensure full charge before use; Battery degradation is normal over time; Reduce volume for longer battery life.
App not controlling amplifier.	Bluetooth MIDI not connected; App version outdated.	Ensure Bluetooth MIDI connection within the app; Update the app to the latest version.

9. SPECIFICATIONS

- **Model:** QAM-20
- **Power Output:** 10W
- **Speaker:** Built-in 3-inch full-range speaker
- **Effects:** 80+ professional effects
- **Presets:** 100 preset tones
- **Connectivity:** Bluetooth 5.0, USB (for recording/firmware), 1/4" Instrument Input, 1/8" Headphone Output
- **Battery:** Built-in rechargeable battery (approx. 4 hours battery life)
- **Dimensions:** 5.91 x 3.94 x 7.09 inches (151mm x 100mm x 181mm)

- **Weight:** 2.86 pounds (1.3 kg)
- **Power Supply:** DC 9V

Figure 9.1: Compact dimensions of the AMPCUBE QAM-20.

10. WARRANTY AND SUPPORT

SONICAKE products are designed and manufactured to the highest quality standards. For warranty information and technical support, please refer to the official SONICAKE website or contact your local distributor. Keep your proof of purchase for warranty claims.

Manufacturer Information:

Changsha Hotone Audio Co., Ltd.

#101, Building 1, No.20 Qingshan Road, Yueku District,

Changsha City, Hunan Province, China

Email: Info@hotone.com

Figure 10.1: Manufacturer and regulatory information.

For European and UK representation:

EC REP

Global E-Commerce Experts Ltd
Rijnlanderweg 766 Unit H,2132 NM
Hoofddorp, Netherlands
Email: rp@globalecommexperts.com

UK REP

GEE Expandly Ltd Botley Mills,
Botley, Southampton,
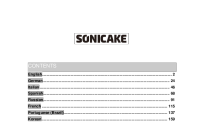SO30 2GB
Email: rp@globalecommexperts.com

Figure 10.2: European and UK Representative Information.

Related Documents - QAM-20

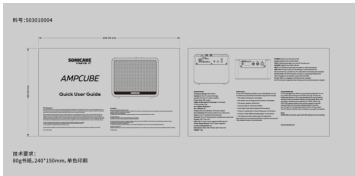|	
	[Sonicake AMPCUBE Quick User Guide](#) A comprehensive quick user guide for the Sonicake AMPCUBE, detailing its specifications, features, operation, and troubleshooting.
	[Sonicake Matribox Multi-Effects Processor User Manual](#) Comprehensive user manual for the Sonicake Matribox multi-effects processor, covering features, operation, effects list, troubleshooting, and specifications for Firmware V1.0.4.

	[SONICAKE Matribox Multi-Effects Processor User Manual](#) Comprehensive user manual for the SONICAKE Matribox Multi-Effects Processor, covering features, operation, effects list, troubleshooting, and specifications.
	[Sonicake Pocket Master BT User Manual](#) User manual for the Sonicake Pocket Master BT Multi-Effects Processor, detailing its features, operation, and troubleshooting.
	[SONICAKE Pocket Master Multi-Effects Processor BT User Manual](#) User manual for the SONICAKE Pocket Master BT multi-effects processor, covering panel introduction, effects editing, settings, drum, tuner, looper, USB audio interface, compatible software, effect list, specifications, and troubleshooting.
	[SONICAKE Pocket Master BT Multi-Effects Processor User Manual](#) Comprehensive user manual for the SONICAKE Pocket Master BT Multi-Effects Processor, covering panel introductions, menu navigation, effect editing, settings, troubleshooting, and technical specifications. Includes detailed explanations of various effects and MIDI control.

Documents - SONICAKE – QAM-20
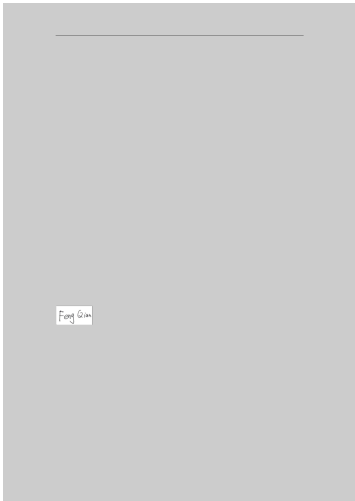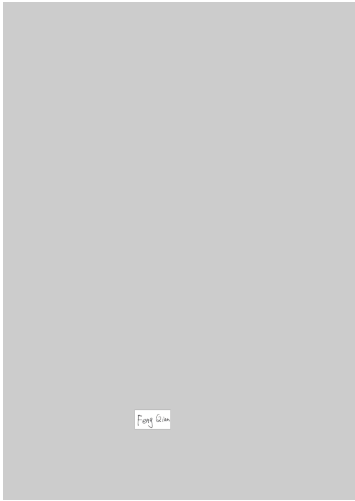
[pdf] Decleration of Conformity

Declaration of Conformity Product similarity Changsha Sonicake Technology Co Ltd QAM20 Digital Modeling Speaker 2A7J4 2A7J4QAM20 qam20

Changsha Sonicake Technology Co., Ltd. Product Similarity Declaration Product name: Digital Modeling Speaker Model name: **QAM-20**, QAM-XXXX, X: capital letter or number, could be omitted FCC ID: 2A7J4-QAM20 We Changsha Sonicake Technology Co., Ltd. hereby state that all the models are electrical ide...

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Sonicake AMPCUBE Quick User Guide

A comprehensive quick user guide for the Sonicake AMPCUBE, detailing its specifications, features, operation, and troubleshooting.

lang:en score:21 filesize: 1.75 M page_count: 1 document date: 2025-05-09

[pdf]

102 Adria Galin Pons Applus Letter Authorization Changsha Sonicake Technology Co Ltd QAM20 Digital Modeling Speaker 2A7J4 2A7J4QAM20 qam20

C5266091_X8_Ed.1 Letter of Authorization Company: Changsha Sonicake Technology Co., Ltd. Address: Ro ... Zone, Changsha City, Hunan Province, P.R China Product Name: Digital Modeling Speaker Model Number: **QAM-20**, QAM-XXXX, X: capital letter or number, could be omitted FCC Identifier: 2A7J4-QAM20 We autho...

lang:en score:21 filesize: 89.27 K page_count: 1 document date: 2025-06-16

[pdf] Product Photos

Hank Yan External photos Changsha Sonicake Technology Co Ltd QAM20 Digital Modeling Speaker 2A7J4 2A7J4QAM20 qam20

Page 1 of 5 Photographs of the EUT External Photos Model: **QAM-20** Report No.: MTi250427018-0106 Address: 101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao an District, Shenzhen, Guangdong, China. Tel: 0755-88850135-1439 Mobile: 131-4343-1439 Wechat s...

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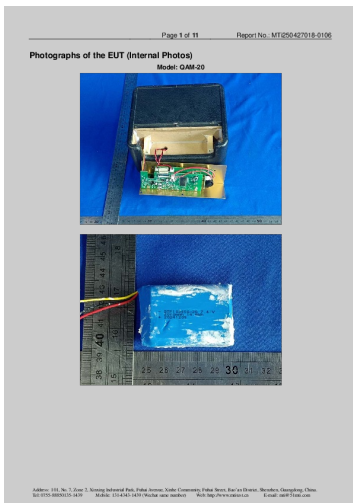
Internal Photos of Sonicake QAM-20 Digital Modeling Speaker

This document provides detailed internal photographs and component descriptions for the Sonicake QAM-20 Digital Modeling Speaker, showcasing its electronic circuitry, battery, speakers, and other internal modules.

lang:tl score:11 filesize: 1.86 M page_count: 11 document date: 2025-06-16