MUSETEC AUDIO

MH-SA001

# User's Manual

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Dear Customer,

Thank you very much for choosing our products. Before use, please be sure to read this document carefully, that will help you quickly and accurately obtain the use method.

Notice!

First, please confirm the voltage specification of your home. Make sure the voltage selector of this device is on the correct position.

Incorrect position of the selector can cause damage to the device.
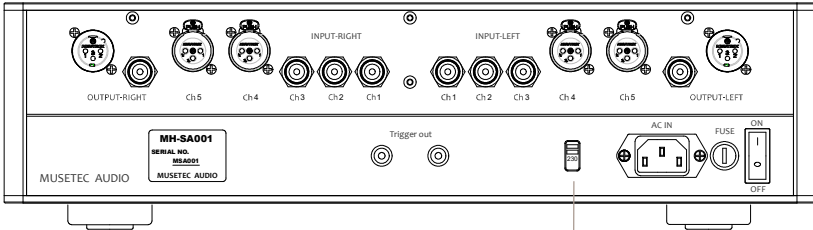
AC Voltage Selector

	AC Selector Position	
	Set to 115	Set to 230
AC Input Range	100 to 120V	200 to 240V

In order to avoid the risk of electric shock, please do not disassemble the device.

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Packing list

MH-SA001	X 1
Remote Controller	X 1
Power cable	X 1
Warranty Card	X 1
Screwdriver	X 1

Front Panel
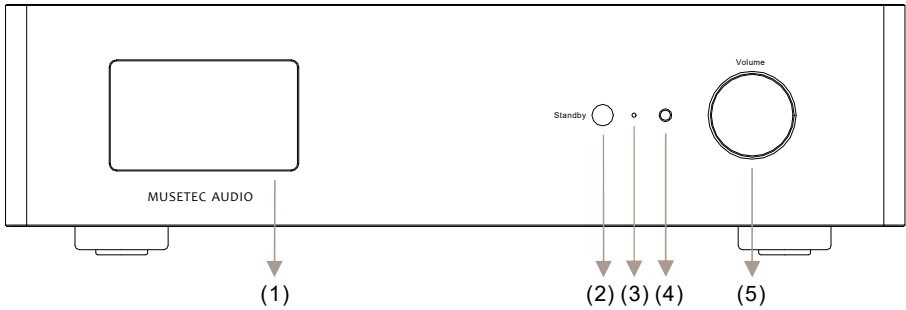
(1) Displayer
(2) Standby Key
(3) Red Status LED

LED Status	Working mode
On	Standby mode
Off	Normal Operation with display on
Breathing	Display automatically turned off

(4) Infrared remote signal receiver
(5) Rotary Knob

Turn the knob clockwise or anti-clockwise to ramp up/down volume.
Short-push the knob to set the input channel.
Long-push the knob to enter the **Settings** window.

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OUTPUT-RIGHT   INPUT-RIGHT   INPUT-LEFT   OUTPUT-LEFT

(1) (2)   (3)   (4)   (5) (6) (7)   (8) (9) (10) (11)   (12)   (13) (14)

OUTPUT-RIGHT   Ch 5   Ch 4   Ch 3 Ch 2 Ch 1   Ch 1 Ch 2 Ch 3   Ch 4   Ch 5   OUTPUT-LEFT

INPUT-RIGHT   INPUT-LEFT

MH-SA001
SERIAL NO.
MSA001
MUSETEC AUDIO   Trigger out   AC IN   FUSE   ON

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OFF

(15) (16)   (17)   (18) (19) (20)
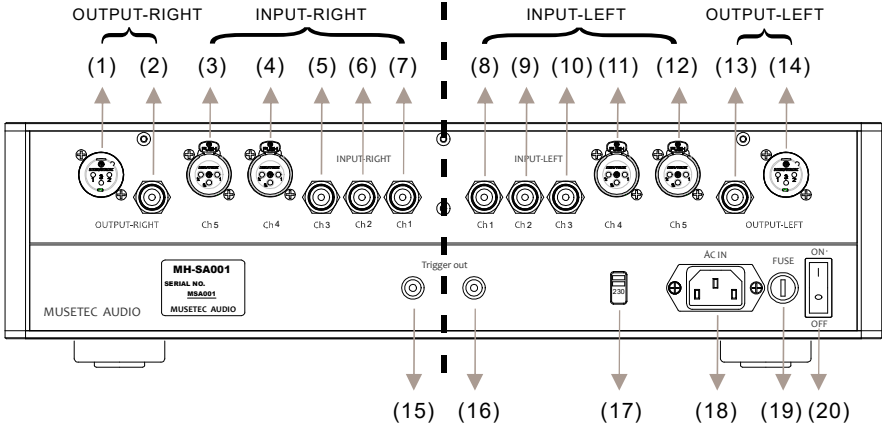
(1) XLR (Balanced) output of right channel.
(2) RCA (Single ended) output of right channel.
(3) Input channel 5 of right side. XLR (Balanced) type.
(4) Input channel 4 of right side. XLR (Balanced) type.
(5) Input channel 3 of right side. RCA (Single ended) type.
(6) Input channel 2 of right side. RCA (Single ended) type.
(7) Input channel 1 of right side. RCA (Single ended) type.
(8) Input channel 1 of left side. RCA (Single ended) type.
(9) Input channel 2 of left side. RCA (Single ended) type.
(10) Input channel 3 of left side. RCA (Single ended) type.
(11) Input channel 4 of left side. XLR (Balanced) type.
(12) Input channel 5 of left side. XLR (Balanced) type.
(13) RCA (Single ended) output of left channel.
(14) XLR (Balanced) output of left channel.
(15) DC +12V trigger output for power amplifier.(Right side)
(16) DC +12V trigger output for power amplifier.(Left side)
(17) AC input selector.(115 or 230)

	AC Selector Position	
	Set to 115	Set to 230
AC Input Range	100 to 120V	200 to 240V

(18) AC input.
(19) Fuse holder. The fuse can be taken out by pushing with a flat
       screwdriver and turning to the left.
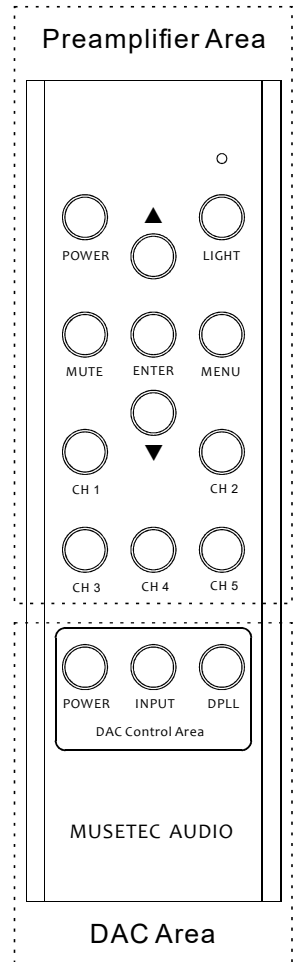(20) AC power switch.

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The balanced input and output pin assignment.
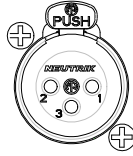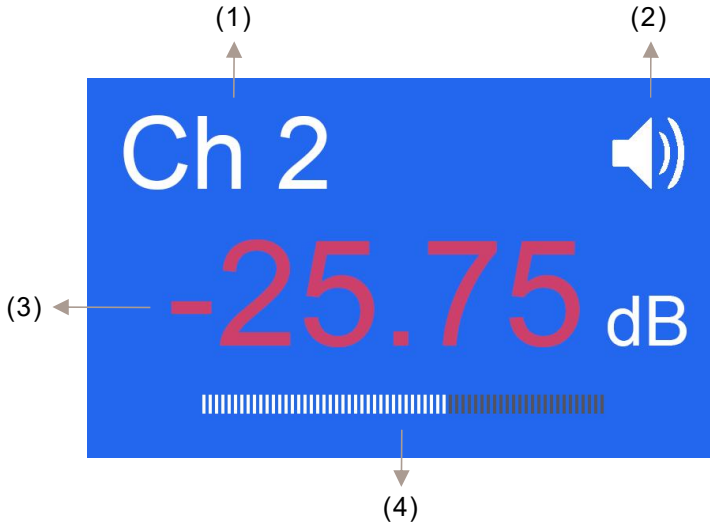
1. GND   2. Positive +   3. Negetive -

Remote Controller

	Key Name	Function
	Key Name	Function
	POWER	Power on/off
	LIGHT	Display light
	ENTER	Settings confirm
	MENU	Settings menu
Pre-amplifier Control Area	MUTE	Mute the output
	▲	Volume Up
	▼	Volume Down
	CH 1	Channel 1
	CH 2	Channel 2
	CH 3	Channel 3
	CH 4	Channel 4
	CH 5	Channel 5
DAC Control Area	POWER	DAC power
	INPUT	DAC input set
	DPLL	DAC DPLL set

Preamplifier Area

POWER   LIGHT

MUTE   ENTER   MENU

CH 1   CH 2

CH 3   CH 4   CH 5

POWER   INPUT   DPLL
DAC Control Area

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DAC Area

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The main window.

(1)

(2)

Ch 2 ◀))

(3) -25.75 dB

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

(4)
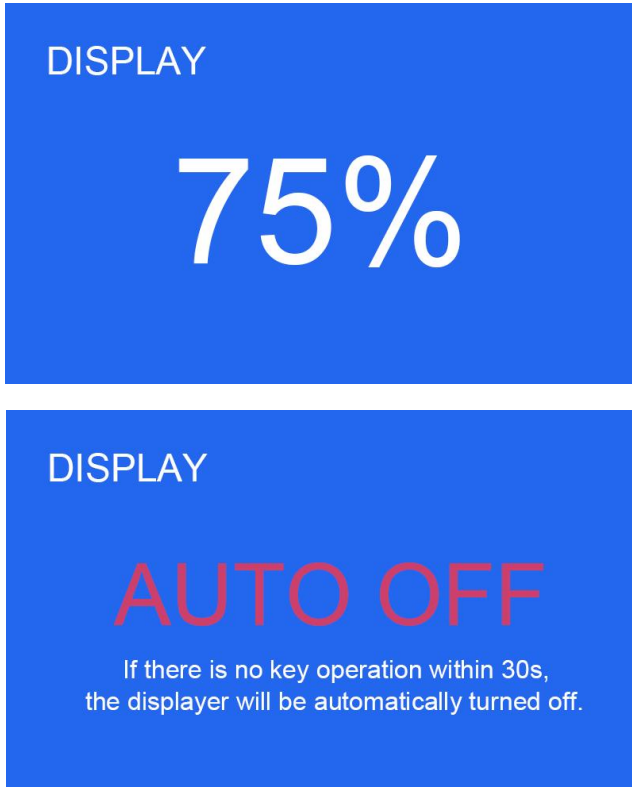
(1) Indicate input channel number. From Ch1 to Ch5.
The input channel can be set by short-push the rotary knob on the front
panel or press Ch1 to Ch5 keys on the remote controller.

(2) Indicate mute status.
In normal output status, press the **MUTE** key will ramp the output
volume down to -96dB.
In mute status, press the **MUTE** key will ramp the output volume
up to the last volume number.

(3) Volume number. From -96dB(min) to 0dB(max). Total 256 steps.
0.25dB/step.
Ch1 to Ch5 volume number can be changed independently.

(4) Volume status bar.

Display brightness setting.

DISPLAY

75%

DISPLAY

AUTO OFF

If there is no key operation within 30s,
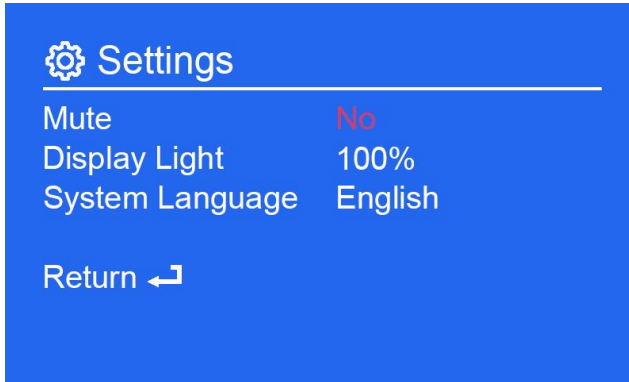the displayer will be automatically turned off.

It has 10 steps. The brightness can be changed by press the **LIGHT** key on the remote controller.
20% / 30% /40% / 50% /50% /60% /70% /80% /90% / 100% / Auto off

In **AUTO OFF** mode, the displayer will be automatically turned off if there is no key operation within 30 seconds.

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Settings window.

```
⚙ Settings
─────────────────────────────
Mute              No
Display Light     100%
System Language   English

Return ↵
```

The way to enter the **Settings** window.
1. Long-push the rotary knob.
2. Press **MENU** key on the remote controller.

The way to change the value of each item.
1. Short-push the rotary knob.
2. Press the **Enter** key on the remote controller.

The way to exit the **Settings** Window.
1. Short-push the rotary knob when the **Return** item is selected.
2. Press the **MENU** key on the remote controller.
3. Press the **ENTER** key when the **Return** item is selected.

System Language
The system language can be set to English or Simplified Chinese.

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Specifications

Item	Test Condition	Characteristics
Max input Voltage	f=1Khz THD=0.1% Volume= -30dB	XLR 17Vrms RCA 8.5Vrms
Voltage Gain	Vin=1Vrms f=1Khz Volume= 0dB	+20dB (XLR to XLR) (RCA to RCA)
Max output Voltage	f=1Khz THD=0.1%	XLR 18Vrms RCA 9Vrms
THD+N (XLR to XLR) f=10Hz to 22Khz RL=100K A-Weight	Vout=1Vrms	0.0017%
	Vout=5Vrms	0.00049%
	Vout=18Vrms	0.01%
Frequence Response	R_L=47KΩ	-1dB 1.3Hz~900Khz
Input impedence		RCA 47KΩ XLR 94KΩ
Output impedence		RCA 43Ω XLR 86Ω
Volume range		-96dB to 0dB 0.25dB/step
Power Consumption		30 Watt
Dimension	W x D x H	430x380x122 mm
Net Weight		12.2kg