

MUSETEC AUDIO

MH-DA006

User's Manual



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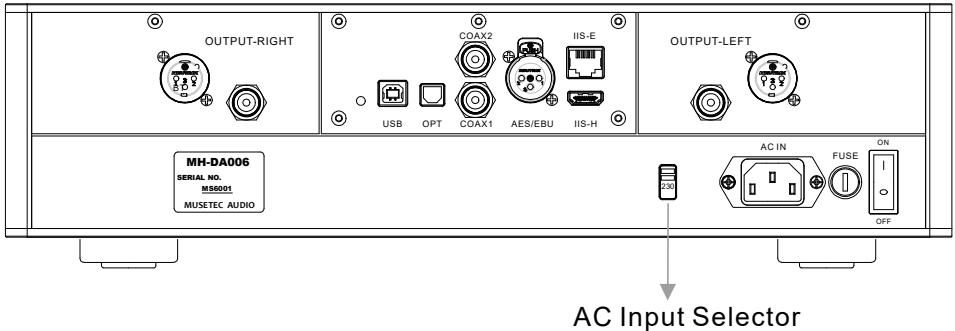
Dear Customer,

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

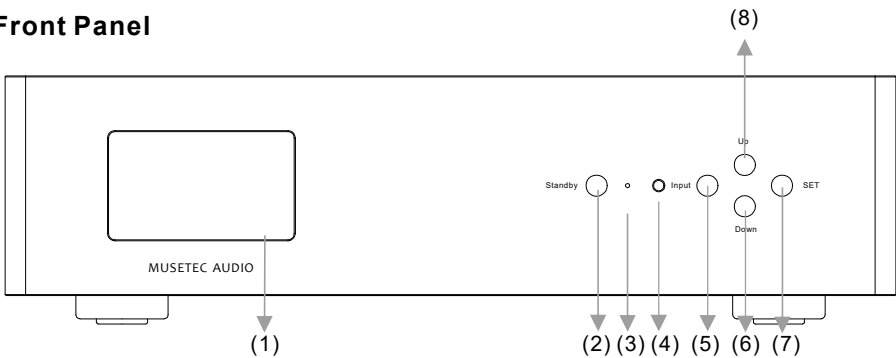
In order to avoid the risk of electric shock, please do not disassemble the device.

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Packing list

MH-DA006	X 1
USB disk	X 1
Remote controller	X 1
Power cable	X 1
Warranty card	X 1
Screwdriver	X 1

Front Panel



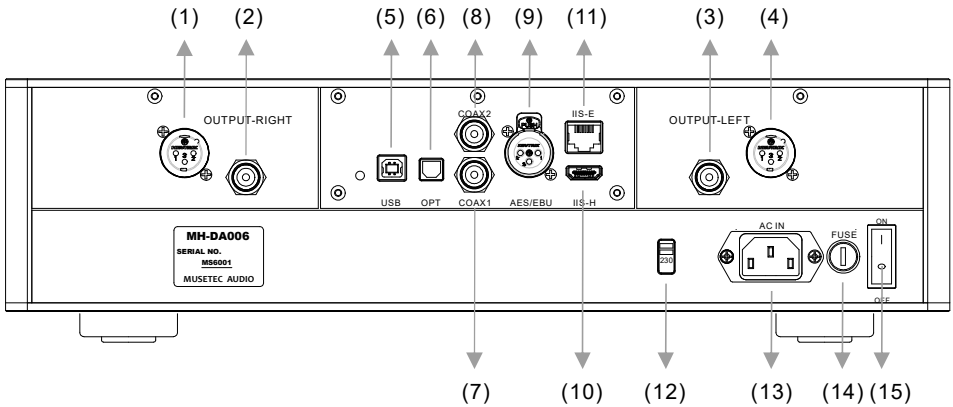
- (1) Displayer
- (2) Standby Key
- (3) Red Status LED

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

- (4) Infrared remote signal receiver
- (5) Input select Key
- (6) Down Key
- (7) SET Key
- (8) Up key

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Rear Panel



- (1) XLR balanced output of right channel
- (2) RCA output of right channel
- (3) RCA output of left channel
- (4) XLR balanced output of left channel
- (5) USB input
- (6) Optical S/PDIF input
- (7) COAX1 S/PDIF input
- (8) COAX2 S/PDIF input
- (9) AES/EBU input
- (10) IIS-H LVDS IIS signal input
- (11) IIS-E CMOS IIS signal input
- (12) AC main input selector
- (13) AC main input
- (14) Fuse holder (Fuse type 250V 3.15A 5*20mm)
- (15) Power switch

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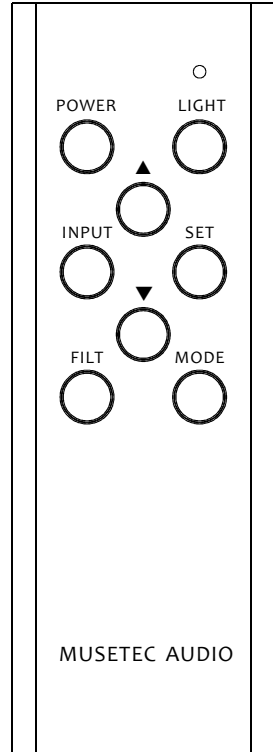
The balanced output pin assignment.



- 1. GND
- 2. Positive +
- 3. Negative -

Remote Controller

Key Name	Function
POWER	Power on/off
LIGHT	Display light
INPUT	Input select
SET	Settings menu
▲	Volume up
▼	Volume down
FILT	Filter mode
MODE	SYNC/ASYNC [※]



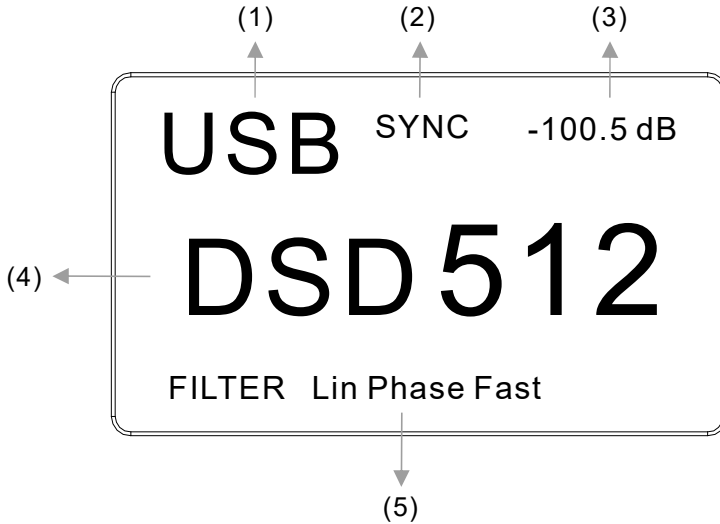
※ SYNC/ASYNC
 SYNC = Synchronous
 ASYNC = Asynchronous

DAC mode can be set to SYNC or ASYNC when IIS-E or IIS-H is selected.

DAC mode is fixed to SYNC mode when USB input is selected, because the USB part and the DAC have the same clock source.

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The main window.



(1) Input channel name.

Name	Description
COAX1	Digital coaxial s/pdif input 1
COAX2	Digital coaxial s/pdif input 2
AES/EBU	Digital AES/EBU input
OPTICAL	Optical s/pdif input
IIS-E	IIS standard CMOS logic input
IIS-H	IIS LVDS input
USB	USB input

(2) Clock mode select. IIS-H and IIS-E can be set to SYNC or ASYNC mode.

(3) Volume number.

The digital volume step is 0.5dB.

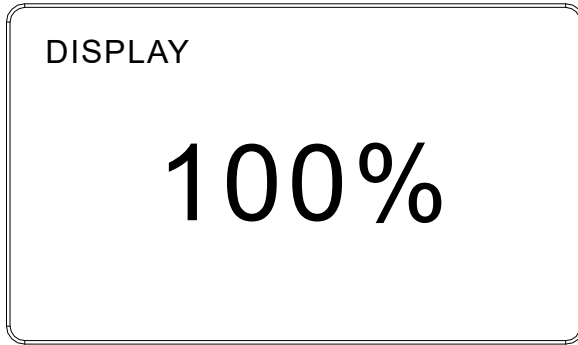
Volume range is 0dB to -127.5dB.

(4) Displays the current received signal format.

(5) Filter mode.

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Display brightness setting.

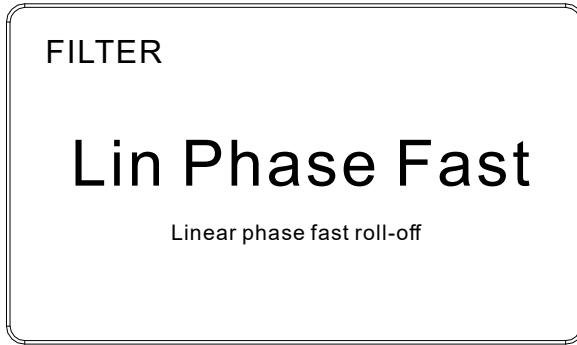


It has 10 steps. The brightness can be changed by press the **LIGHT** key on the remote controller.

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.

Filter setting.




DAC filter mode can be changed by press the FILT key of the remote controller.


There are 6 filter modes.

Filter Mode	Description
Lin Phase Fast	Linear Phase Fast Roll-off
Lin Phase Slow	Linear Phase Slow Roll-off
Min Phase Fast	Minimum Phase Fast Roll-off
Min Phase Slow	Minimum Phase Slow Roll-off
Min Phase	Minimum Phase
Lin Phase APO	Linear Phase Apodizing

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Settings window.

 Settings	
1 PCM Filter	▶ Lin Phase Fast
2 IIS-H Input	AAAAB
3 IIS-H Data	IIS 32bit
4 IIS-H Clock	SYNC
5 IIS-E Input	See Detail..
6 IIS-E Data	IIS 32bit

 Settings	
7 IIS-E Clock	SYNC
8 Display Light	100%
9 Display Style	4

Return ↵

Press the **SET** key on the front panel or remote controller to enter the **Settings** window.

How to select the item?

Press the **UP/DOWN** or **▲/▼** keys to select items.

How to change the value of each item?

1. Press the **IN** key on the front panel.
2. Press the **INPUT** key on the remote controller.

How to exit the **Settings** Window?

1. Press the **IN** or **INPUT** key when the **Return** item is selected.
2. Press the **SET** key.

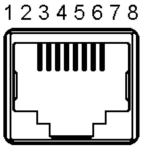
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Settings description.

No.	Item	Description
1	PCM Filter	Total of 6 digital filter modes can be selected.
2	IIS-H Input	IIS-H port pin definitions can be set to suit different IIS connections.
3	IIS-H Data	IIS-H data can be set to I2S or Left Justified mode. The data width can be set to 16/24/32 bits.
4	IIS-H Clock	SYNC: MCLK clock from IIS will be used. ASYN: Local MCLK clock will be used.
5	IIS-E Input	IIS-E port pin definition is fixed and can not be changed. Please check the pin definition by See Detail.. in the item.
6	IIS-E Data	IIS-E data can be set to I2S or Left Justified mode. The data width can be set to 16/24/32 bits.
7	IIS-E Clock	SYNC: MCLK clock from IIS will be used. ASYN: Local MCLK clock will be used.
8	Display Light	The display's backlight can be set to be always on, with a brightness value of 20% to 100%, or set to automatically off.
9	Display Style	4 different display color styles can be selected.

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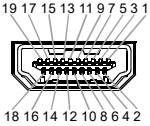
IIS-E pin definition.



PIN1 PCM-DATA / DSD-DATAL
 PIN3 PCM-LRCK / DSD-DATAR
 PIN5 PCM-BCLK / DSD-BCLK
 PIN7 DSDOE (0:PCM 1:DSD)
 PIN8 MCLK

PIN2/4/6 GND

IIS-H pin definition.



IIS-H input ▶AAAAB

Code<AAAAB> A A A A B
 M1 M2 M3 M4 M5

M1	A	PIN1 PCM-DATA+ / DSD-DATAL+ PIN3 PCM-DATA- / DSD-DATAL-
	B	PIN1 PCM-DATA- / DSD-DATAL- PIN3 PCM-DATA+ / DSD-DATAL+
	C	PIN1 PCM-DATA+ / DSD-DATAR+ PIN3 PCM-DATA- / DSD-DATAR-
	D	PIN1 PCM-DATA- / DSD-DATAR- PIN3 PCM-DATA+ / DSD-DATAR+

M2	A	PIN4 PCM-BCLK+ / DSD-BCLK+ PIN6 PCM-BCLK- / DSD-BCLK-
	B	PIN4 PCM-BCLK- / DSD-BCLK- PIN6 PCM-BCLK+ / DSD-BCLK+

M3	A	PIN7 PCM-LRCK+ / DSD-DATAR+ PIN9 PCM-LRCK- / DSD-DATAR-
	B	PIN7 PCM-LRCK- / DSD-DATAR- PIN9 PCM-LRCK+ / DSD-DATAR+
	C	PIN7 PCM-LRCK+ / DSD-DATAL+ PIN9 PCM-LRCK- / DSD-DATAL-
	D	PIN7 PCM-LRCK- / DSD-DATAL- PIN9 PCM-LRCK+ / DSD-DATAL+

M4	A	PIN10 MCLK+ PIN12 MCLK-
	B	PIN10 MCLK- PIN12 MCLK+

M5	A	PIN13 DSDOE "0"PCM "1" DSD
	B	PIN14 DSDOE "0"PCM "1" DSD
	C	PIN15 DSDOE "0"PCM "1" DSD

PIN 2/5/8/11/17/19 GND

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Specifications

Items	Specifications	Note
Model	MH-DA006	Black/Silver
DAC Chips	Es9039pro*2	
USB Port	PCM 44.1K~768K 24/32bit DSD64~DSD1024 Windows 10/11 32/64bit Mac OSX 10.6+ Linux with UAC2	
S/PDIF Input	COAX1 / COAX2 / AES / OPT PCM44.1K~192K 16~24bit DOP 64x	
I2S input	PCM 44.1K~768K 24/32bit DSD64~DSD1024 DOP 64~256	
Analog Output	RCA: 2.8Vrms XLR: 5.6Vrms FR (20Hz~20KHz) ± 0.2 dB DNR > 130dB THD+N > 120dB (A-weighted)	
Power Consumption	<30W 100~120V or 200~240V	
Dimensions	430mm*380mm*122mm	W*D*H
Net Weight	13.9 kg	

