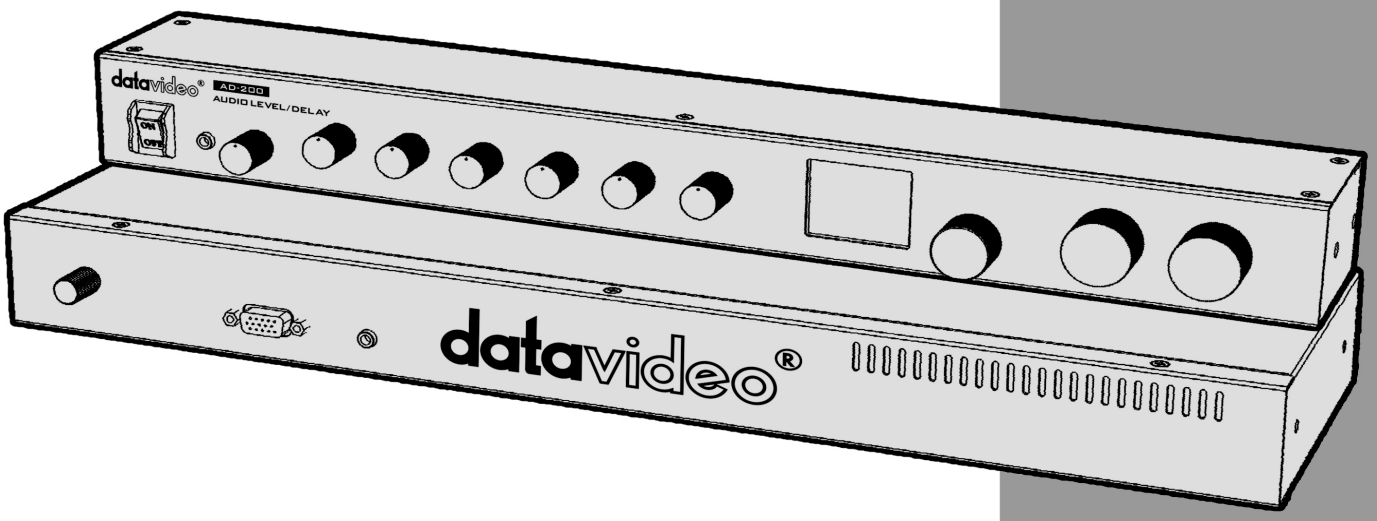
datavideo®



AUDIO LEVEL/ DELAY AD-200

Quick Start Guide

www.datavideo.com

Warranty

Standard Warranty

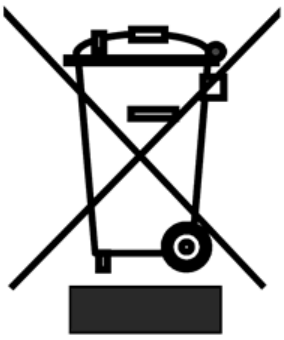
- Datavideo equipment is guaranteed against any manufacturing defects for one year from the date of purchase.
- The original purchase invoice or other documentary evidence should be supplied at the time of any request for repair under warranty.
- Damage caused by accident, misuse, unauthorized repairs, sand, grit or water is not covered by this warranty.
- All mail or transportation costs including insurance are at the expense of the owner.
- All other claims of any nature are not covered.
- Cables & batteries are not covered under warranty.
- Warranty only valid within the country or region of purchase.
- Your statutory rights are not affected.

Two Year Warranty

- All Datavideo products purchased after 01-Oct.-2008 qualify for a free one year extension to the standard Warranty, providing the product is registered with Datavideo within 30 days of purchase. For information on how to register please visit www.datavideo-tek.com or contact your local Datavideo office or authorized Distributors
- Certain parts with limited lifetime expectancy such as OLED Panels, DVD Drives, Hard Drives are only covered for the first 10,000 hours, or 1 year (whichever comes first).

Any second year warranty claims must be made to your local Datavideo office or one of its authorized Distributors before the extended warranty expires.

Disposal



For EU Customers only - WEEE Marking

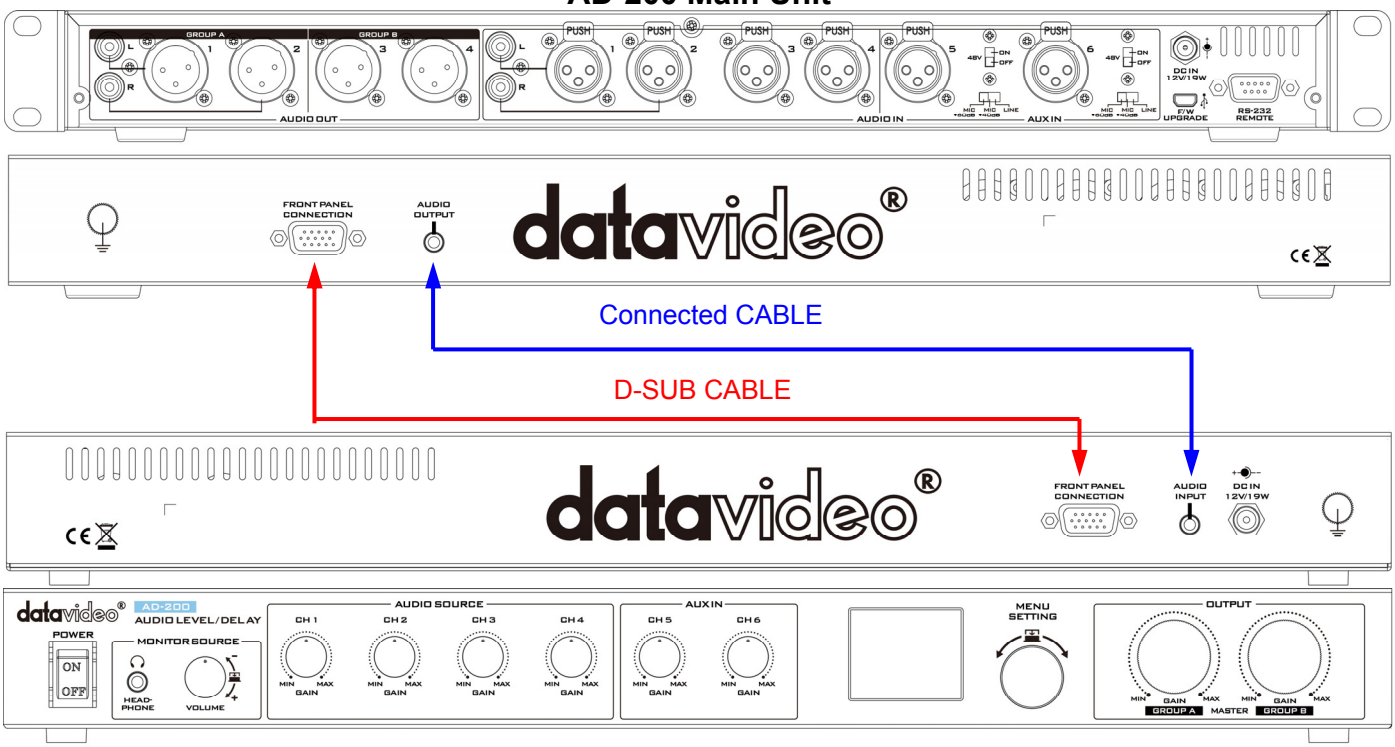
This symbol on the product indicates that it will not be treated as household waste. It must be handed over to the applicable take back scheme for the recycling of electrical and electronic equipment. For more detailed information about the recycling of this product, please contact your local Datavideo office.

Packing List

1	x	AD-200 Main Unit
1	x	AD-200 Control Unit
1	x	Accessory List
1	x	AD-200 Quick Start Guide

Connection of AD-200 main unit and AD-200 control unit

AD-200 Main Unit



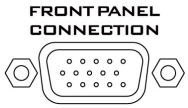
AD-200 Control Unit

D-Sub Cable

Connected Cable

Connections & Controls

Main Unit (Front Panel)

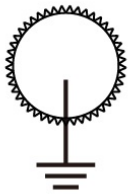


Connection

Use D-SUB Cable to connect AD-200 main unit to AD-200 control unit.

Audio Output

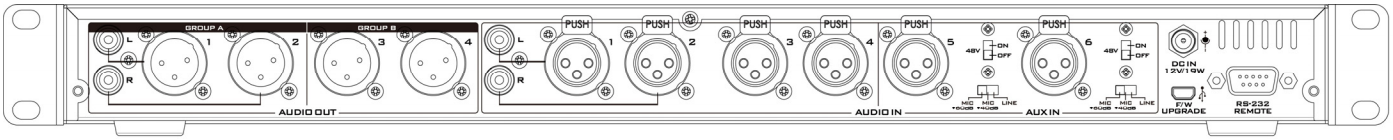
Audio input of control unit must be connected to audio output of main unit via a connected cable.

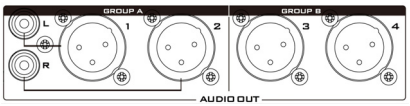


Grounding Terminal

When connecting this unit to any other component, make sure that it is properly grounded by connecting this terminal to an appropriate point. When connecting, use the socket and be sure to use wire with a cross-sectional area of at least 1.0 mm^2.

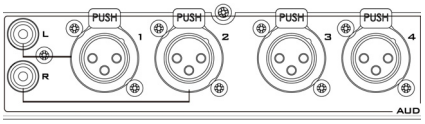
Main Unit (Rear Panel)





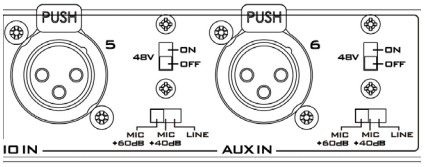
Audio Output

RCA audio output & 4 XLR balanced audio output channels (You can use ch1, 2 audio out for XLR or RCA).



Audio input

RCA audio input & 4 XLR balanced audio input channels (You can use ch1, 2 audio input for XLR or RCA)



AUX Audio Input

2 channels of XLR balanced audio input.

For more information please see ***page 8*** for more details.

RS-232 REMOTE

To be updated.

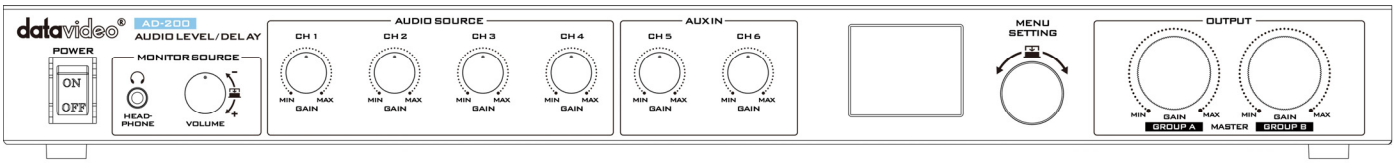
USB

Firmware Upgrades

DC IN Socket

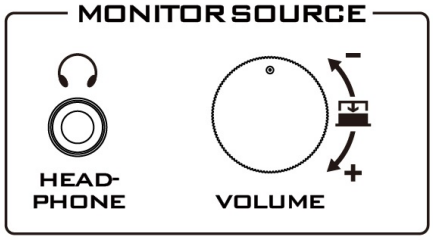
Connect the supplied 12V PSU to this socket. The power connection can be secured by screwing the outer fastening ring of the DC IN plug to the socket.

Control Unit (Front Panel)



Power Switch

Switches the power On / Off.



Headphone

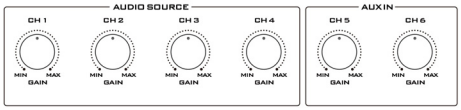
Accepts a stereo mini jack plug for stereo headphones. The headphone volume is adjusted by rotating head phone volume control.

Headphone Volume Control

Controls Headphone volume level.

Use the Headphone section to accurately monitor any of the sources output.

Push this button to switch audio source 1~6 and audio output 1, 2.



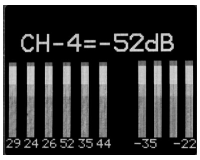
Audio Input Source Level Controls

The AD-200 controls audio input channel (CH1~CH6).

This row of audio channel selection buttons has built-in OLED to show active input channel. Level control for each audio input source is done by rotating the knobs above each of the audio channel selection buttons.

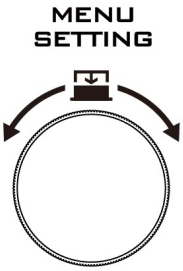
(Level ranges from -80dB to +12dB)

The maximum audio level gain can be configured using the SET GAIN function on OSD menu.



OLED Panel

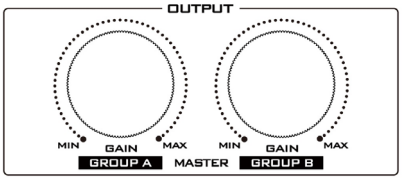
Audio Meters & Function Display.



MENU Navigation Button

Rotate to change options and press in to select.

For more information please see the **Menu Function**.

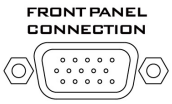


Audio Output Source Level Controls

GROUP A = Control the CH1,2 output volume.

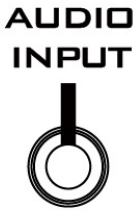
GROUP B = Control the CH3,4 output volume.

Control Unit (Rear Panel)



Connection

Use D-SUB Cable to connect AD-200 main unit to AD-200 control unit.



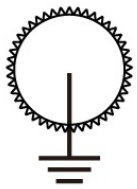
Audio Input

Audio input of control unit must be connected to audio output of main unit via a connected cable.

DC IN Socket

Connect the supplied 12V PSU to this socket. The power connection can be secured by screwing the outer fastening ring of the DC In plug to the socket.

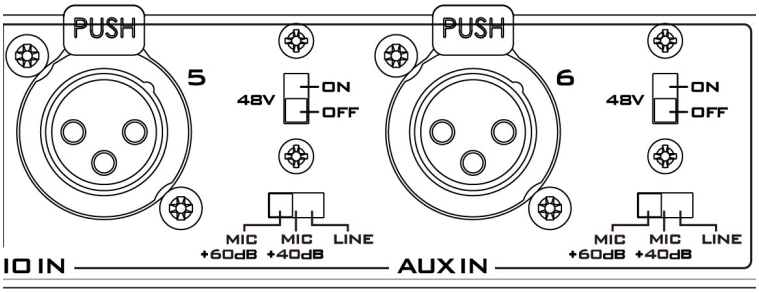
*Note: AD-200 main unit and AD-200 control unit both have **DC IN Socket**, they are the same function, you just need select one socket to supply the power input.*



Grounding Terminal

When connecting this unit to any other component, make sure that it is properly grounded by connecting this terminal to an appropriate point. When connecting, use the socket and be sure to use wire with a cross-sectional area of at least 1.0 mm^2.

AUX Audio Inputs and Levels



There are two types of switches for configuring **AUDIO IN:**

The **LINE/MIC+40dB/MIC+60dB** switch is used to set the AUDIO IN to LINE IN, MIC+40dB IN or MIC+60dB IN. When **LINE IN** is selected, set the **48V** switch to **OFF** in order to prevent damage to the circuit due to excessive current flow.

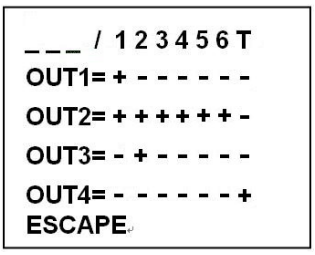
The **48V** switch is designed specifically for phantom power control. To use **MIC IN**, set the **LINE/MIC+40dB/MIC+60dB** switch to **MIC IN**. Turn the **48V** switch to **ON** if a **condenser microphone** is used. Turn the **48V** switch to **OFF** if a **dynamic microphone** is used.

NOTE: Always check the manual for the appropriate microphone and read the advice in the manual regarding phantom power as some MICs have internal batteries too.

On-Screen Display Function Menu

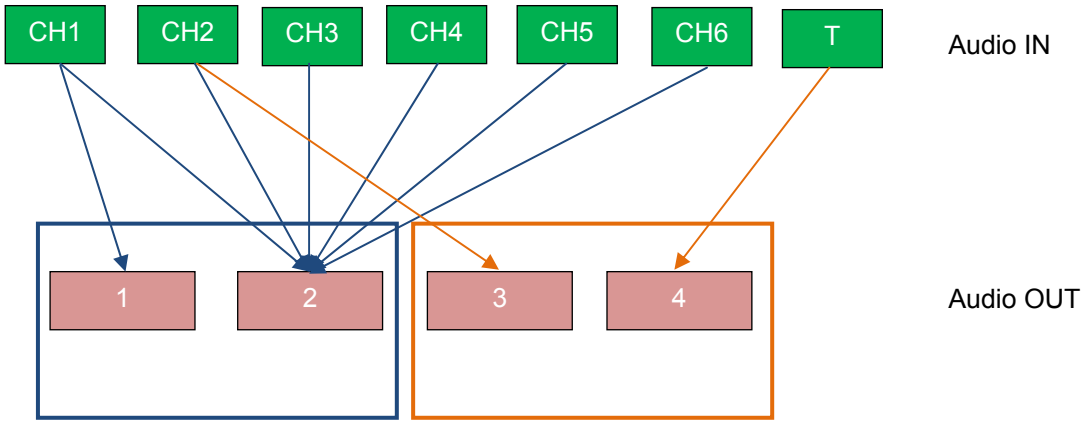
1. MIXER I/O Configuration

The mixer has six input channels, which are mixed in different combinations. The mixed audio is subsequently sent to the output channel. In the example illustrated below, the mixer setting is configured by enabling the desired audio input channels and feeding the enabled combination to the corresponding output channel.



+ : Enable
- : Disable
1~6 : Audio Input (CH1~6)
T : Tone
OUT1~4 : Audio Output (CH1~4)

Description of the above configuration example:
Out1 is audio input CH1 only.
Out2 is audio input CH1~6 mixed.
Out3 is audio input CH2 only.
Out4 is tone mixed.



2. DELAY TIME

This function sets audio input delay time ranging from 0000~3000 mSEC.

3. TONE MODE

FQ.: This function sets TONE frequency of 1KHz, 6KHz or 12 KHz

LEL: This function sets TONE level ranging from -48~+24 dBu.

4. DISPLAY

BRI.: This function sets OLED panel brightness. There are five brightness levels with five filled square boxes being the brightest and one filled square box being the least bright.

BRI. = ■■■■■	BRI. = ■ - - - -
Brightest	**Least Bright**

TEST: Different colours (Red, Green, Blue, Black and White) are available for testing OLED panel.

DIM: The OLED panel dims after the device is idle for 10 seconds. There are four dim levels with four filled square boxes being no dim and one filled square box being the most dim.

DIM = ■■■■	DIM = ■ - - -
No Dim	**Most Dim**

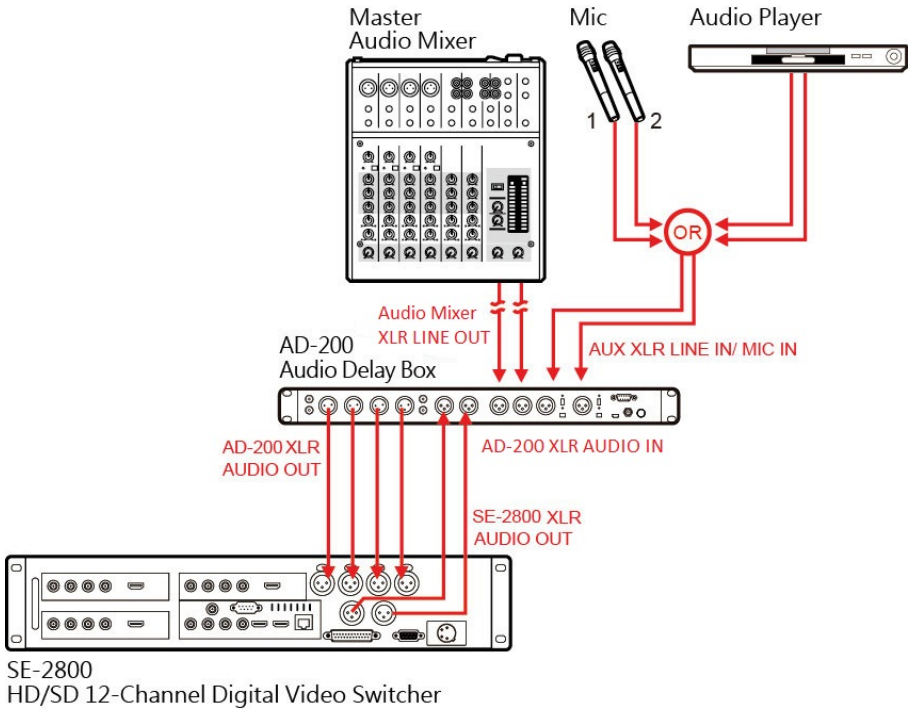
RESET: This function resets all settings to factory default.

5. SET GAIN

This function sets the maximum audio level gain (0, 6 or 12 dB) for CH1-6, OUTA/B and MNTR knobs.

MAX GAIN
CH1: +00 dB
CH2: +06 dB
CH3: +12 dB
CH4: +00 dB

System Diagram



Specifications

AUX IN				
Parameter	**Specification**	**Limit**	**Units**	**Conditions/Comments**
MIC/Line Connectors (CH5~CH6)	3Pin XLR Female	NA	NA	Pin2=(+),Pin3=(-),Pin1=GND
Mic/Line Input Impedance(CH5/CH6)	2K/3K	10%	Ω	NA
Mic Gain Range	+40dB /+60dB	±3	dB	Slide switch
Line Gain Range	off to +12	±3	dB	Audio source GAIN(knob)
THD+N	0.01	max	%	@1KHz,0dB(Lin IN)
Line in Max Level	+23dBu	±3%	dBu	NA
Signal to noise ratio	80	min	dB	@1KHz,6dBu(Lin IN)
Frequency Response	20Hz~20KHz	±3	dB	NA

AUDIO IN				
Parameter	**Specification**	**Limit**	**Units**	**Conditions/Comments**
Input (CH1~CH4) Connectors	3Pin XLR Female	NA	NA	Pin2=(+),Pin3=(-),Pin1=GND
Input Impedance	25K	10%	Ω	NA
Gain Range	off to +12	±3	dB	Audio source GAIN(knob)
Signal to noise ratio	80	min	dB	@1KHz,6dBu
THD+N	0.01	max	%	@1KHz,0dB
Frequency Response	20Hz~20KHz	±3	dB	NA
unbalanced mono audio (L, R)	RCA	NA	NA	NA
Signal to noise ratio	80	min	dB	@1KHz,0dB(RCA IN)
THD+N	0.01	max	%	@1KHz,0dB(RCA IN)
Impedance	15K	10%	Ω	NA

Audio Output				
Parameter	**Specification**	**Limit**	**Units**	**Conditions/Comments**
Connector (1,2,3,4)(Group A,B)	3Pin XLR Male	NA	NA	Pin2=(+),Pin3=(-),Pin1=GND
Impedance	65	5%	Ω	NA
Gain Range	off to +12	±3	dB	OUTPUT (Group A.B)(knob)
Output Max Level	+23dBu	±1.5%	dBu	NA
unbalanced mono audio (L, R)	RCA	NA	NA	NA
Gain Range	off to +12	±3	dB	OUTPUT (Group A.B)(knob)
Impedance	330	5%	Ω	NA

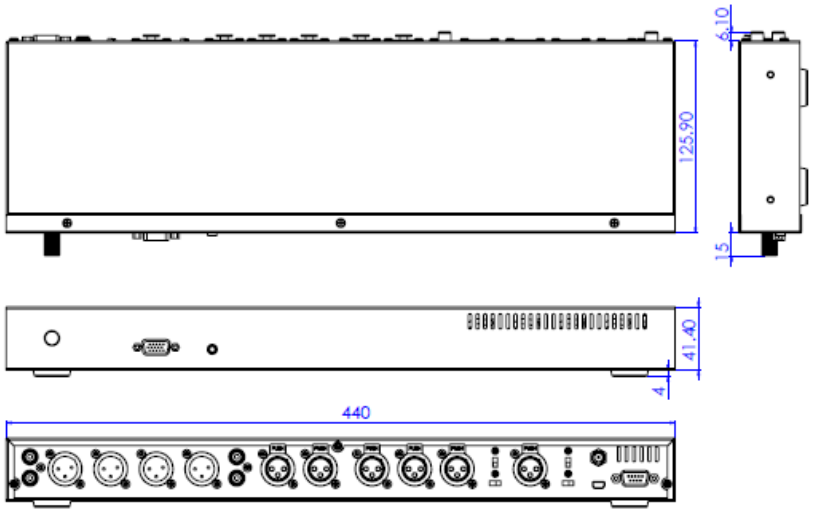
Headphone				
Parameter	**Specification**	**Limit**	**Units**	**Conditions/Comments**
Connector	3.5mm phone jack	NA	NA	Tip(+),Ring=(-),Sleeve=GND
Signal to noise ratio	75	min	dB	@1KHz,0dB(Lin IN)
THD+N	0.01	max	%	@1KHz,0dB(Lin IN)
Frequency Response	20Hz~20KHz	±3	dB	NA

Others				
Parameter	**Specification**	**Limit**	**Units**	**Conditions/Comments**
Phantom Power	+48V	±3%	VDC	NA
Power Consumption	12V/19W	±3%	watts	NA
Power Input connector	2pin DC Jack	NA	NA	NA
Dimensions (Main Unit)	147 x 440 x 45.4	±1%	mm	L X W X H
Dimensions (Control Unit)	90.5 x 440 x 47.5	±1%	mm	L X W X H
Weight	Main Unit 1.8kg / Control Unit 1.1kg	NA	kg	NA
Display	1,77" OLED	NA	NA	160XRGBX128
Audio Delay for audio input	0~3 sec	NA	NA	NA

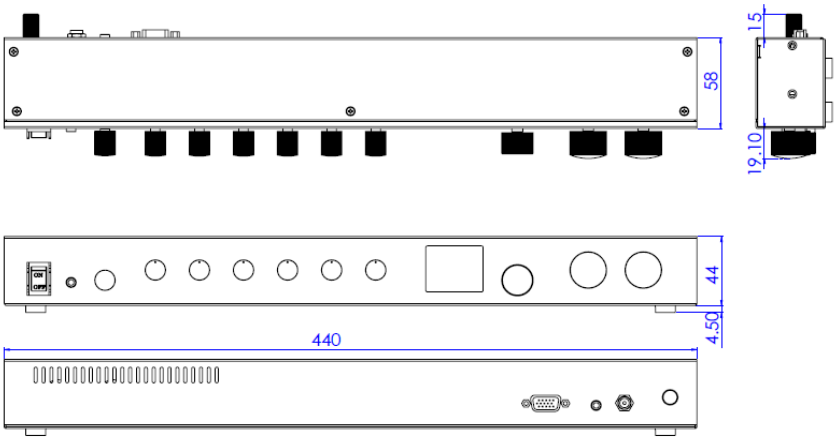
Operating and Storage temperature	
Parameter	**Specification**
Operating temperature	0˚C ~ +50˚C
Storage temperature	0˚C ~ +60˚C

Certification	CE / FCC

AD-200 Main Unit



AD-200 Control Unit



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