



TAIDEN HCS-8317 High Definition Digital AV Decoder User Manual

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HCS-8317 High Definition Digital AV Decoder
Excellent solutions for conferences



Installation and Operation Manual

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- All rights reserved for translation, reprint or reproduction
- Contents may change without prior announcement
- All technical specifications are guideline data and not guaranteed features
- Taiden Co., Ltd. is not responsible for any damage caused by improper use of this manual
- The equipment must be connected to earth!
- This product conforms to the rules of the European directive 2014/30/EU.

- If any detailed information needed, please contact your local agent or TAIDEN service center in your region.
Any feedback, advice and suggestion about the products is appreciated
- TAIDEN is the registered trademark of TAIDEN Co., Ltd.

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Important Safety Instruction

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
6. The MAINS plug serving as a disconnection device, should be easy to operate.
7. The apparatus should be connected to the MAINS socket-outlet with protective earth.
8. Clean only with dry cloth.
9. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
10. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
11. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
12. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
13. Only use attachments/accessories specified by the manufacturer.
14. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
15. Unplug this apparatus during lightning storms or when unused for long periods of time.
16. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
17. Do not place the equipment on any uneven or unstable stand; original product package or appropriate package should be used to avoid damage caused by strong impacts during transportation.


18. Power supply cords: AC 100 V -240 V 50/60 Hz
19. For service, please contact the nearest TAIDEN Service Center.
20. All TAIDEN products are guaranteed for definite time (see the WARRANTY CARD for details) excluding the following cases:
 - A. All damage or malfunction caused by human negligence;
 - B. Damage or malfunction caused by improper operating by operator;
 - C. Parts damage or loss caused by disassembling the product by non-authorized personnel.
21. Use ONLY specified connection cable to connect the system equipment.
22. Upon receipt of the product, please fill out the Warranty Card enclosed and post it to TAIDEN Service Center.




TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.


CAUTION: To reduce the risk of electric shock, DO NOT open covers, no user serviceable parts inside. Refer servicing to qualified service personnel only.


CAUTION: DO NOT use alcohol, ammonia or petroleum solvents or abrasive cleaners to clean the devices.

 The lightning flash with an arrowhead symbol, with an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the products' enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

 The exclamation mark within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: To reduce the risk of fire or electric shock, DO NOT expose units to rain or moisture.

 **Attention:** Installation should be performed by qualified service personnel only in accordance with the National Electrical or applicable local codes.

 **Power Disconnect:** Units with or without ON – OFF switch have power supplied to the unit whenever the power cord is inserted into the power source; however, the unit is operational only when the ON – OFF switch is in the ON position. The power cord is the main power disconnect for all units

WARNING: The apparatus should be connected to a mains socket outlet with a protective earthing connection.

Installation & User Guide

About this manual:

This manual is a comprehensive guide to the installation and operation of **TAIDEN** HCS-8317 HD Digital AV Decoder. It includes: operation and setup, installation and connection, etc.

The manual is divided into the following chapters

Chapter 1 Functions and indications

Descriptions in detail of the functions and indications of the HCS-8317 HD Digital AV Decoder.

Chapter2: Installation and connection

Descriptions in detail of the installation and the connection in congress System of the HCS-8317 HD Digital AV Decoder.

Chapter3: Setup and Operation

Descriptions in detail of the setup and operation of the menus of the HCS-8317 HD Digital AV Decoder.

Chapter 4: Technical data

Mechanical and electrical details of the HCS-8317 HD Digital AV Decoder.

Chapter 1 Functions and Indications

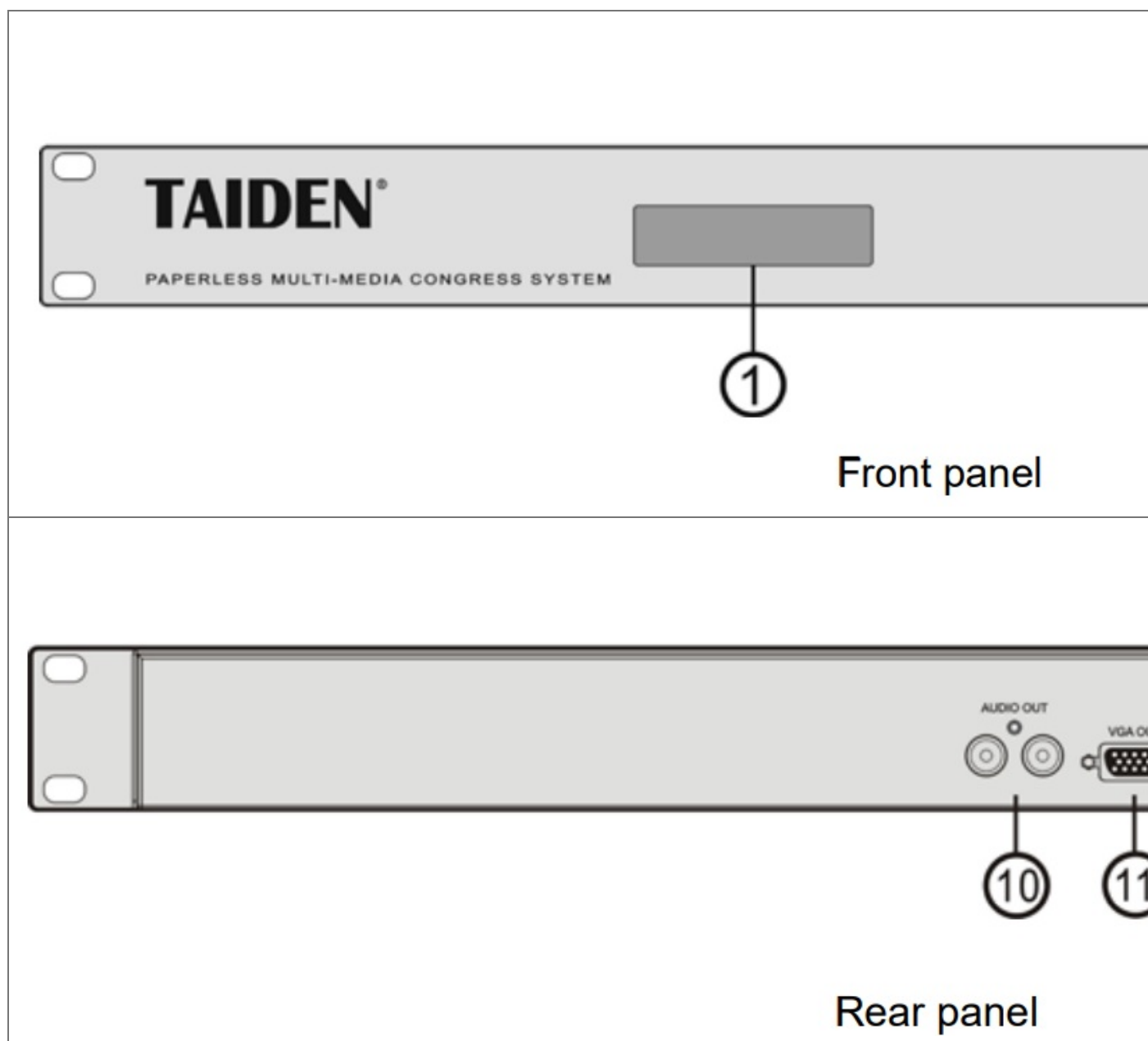


Figure 1.1 Panels of HCS-8317 decoder

Figure 1.1:

1. **Menu display**
2. **“MENU” button**
3. **“←” (Left) button**
 - Press this button to cursor to the left or to decrease the parameter.
4. **“→” (Right) button**
 - Press this button to cursor to the right or to increase the parameter.
5. **“EXIT” button**
6. **Reserved**
7. **“NETWORK” indicator**
 - It will be turned on if the decoder connected to the encoder correctly.
8. **“ACTIVE” indicator**
 - It will be turned on when decoding.

9. **Power indicator**

- It will be turned on if the encoder powers on.

10. **Audio output, RCA (L+R)**

11. **VGA output**

12. **HDMI output**

13. **USB interface**

- For firmware upgrade.

14. **Power input**

15. **GND**

16. **Ethernet (RJ45)**

Chapter 2 Installation and Connection

2.1 Installation

Just needs to put the 1U HCS-8317 HD Digital AV Decoder into the cabinet, and fix it by screws. As figure 1.2.

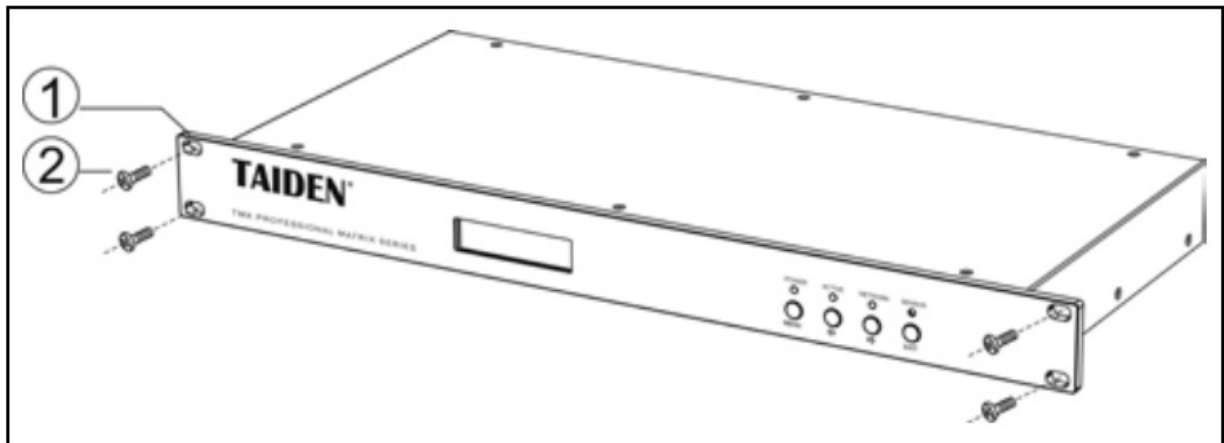


Figure 1.2 Installation

2.2 Connection

HCS-8317 HD Digital AV Decoder adopts high performance DSP chip and special hardware platform, supports 1 channel HDMI video and 1 channel VGA signal synchronization decoding and display.

HCS-8317 HD Digital AV Decoder is used for multi-channel digital media signal decoding and output. TAIDEN series of video equipment can access encoder or VCR through IP network to realize live or on-demand broadcasting, after decoding by HCS-8317, videos can be displayed to display devices via HDMI or VGA output. Through “Video Server” software, HCS-8317 decoder also can cooperate with HCS-8300 series paperless multimedia congress system to display the picture of the multimedia congress terminal camera and to share desktop, which is convenient for connecting to remote meeting and widely used in the place of conference room, lecture hall, demonstration hall and leadership office. Control Interface:

Control	
Ethernet	RJ-45 female connector
Ethernet protocol	TCP/IP
Ethernet speed	10M/100M/1000M

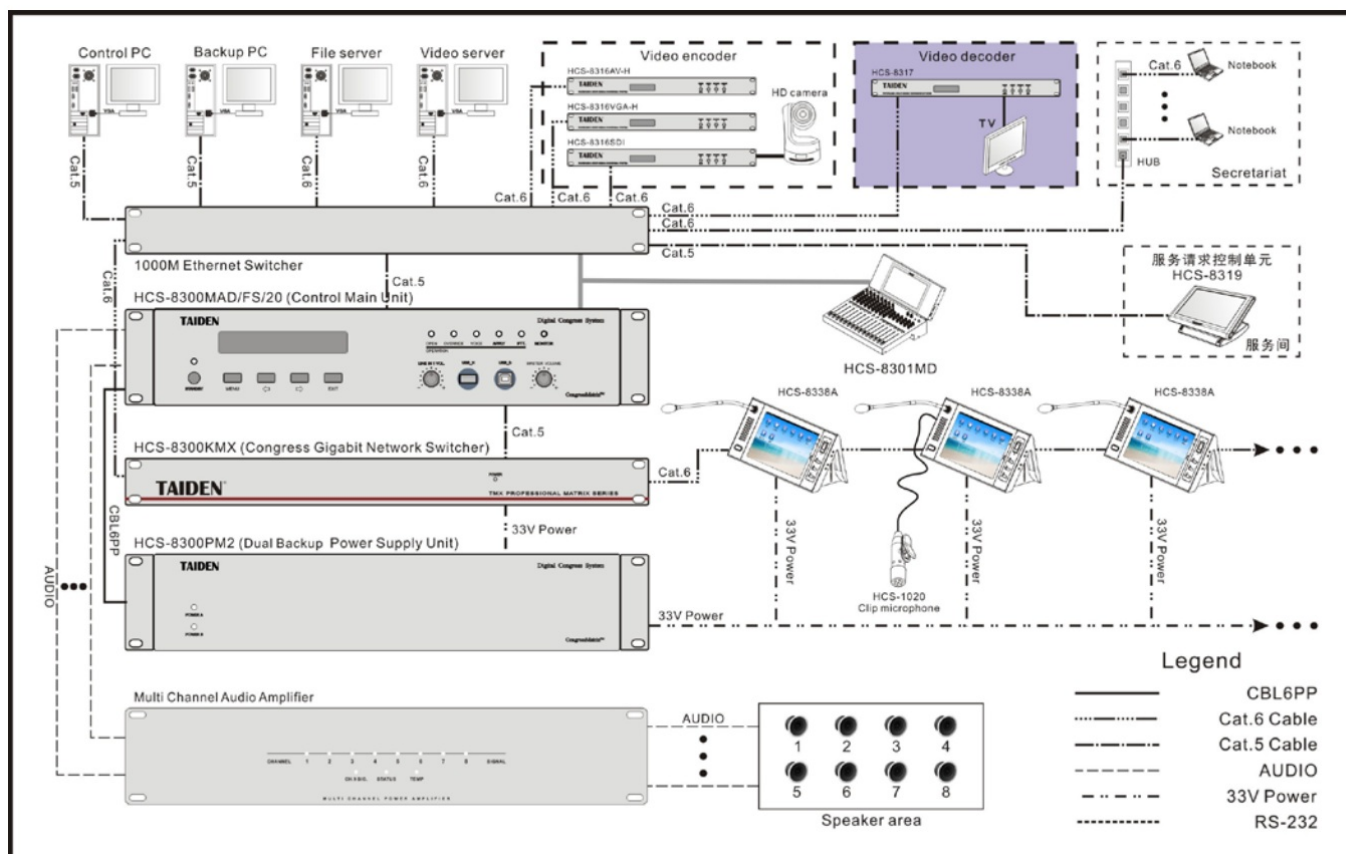


Figure 1.3 HCS-8338 Series Paperless Multi-media Congress System connection diagram (dual main unit hot spare + “Closed Loop – Daisy Chain” connection)

Chapter 3 Setup and Operation

After installation and connection and prior to the meeting, the decoder should be configured through the dialog menu and button. The term “interface” used hereinafter means the information displayed on the LCD as the user interface.

A) Starting initialization

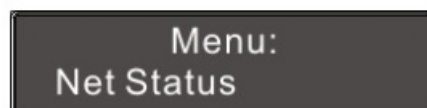
If power is supplied, the recorder will start initialization:



B LCD menu

When the initialization is finished, press the “MENU” button to go to the menu on the LCD, includes:

- “1. Net Status”
- “2. Net Setting”
- “3. Save Parameter”
- “4. Rename”
- “5. Video Setting”
- “6. Audio Setting”
- “7. Default”
- “8. About”



- Press the “MENU” button to go to the corresponding submenu;

- Use the “↔” button to switch from term to term.

3.1 Net Status

Decoder network information includes: type, IP address, subnet mask and gateway.



- Use the “↔” button to switch from term to term;
- Use the “EXIT” button to return to the upper level menu.

3.2 Net Setting



Use the “↔” button to enable DHCP or not;

- If “Y” is selected, it stands for obtain a dynamic IP address automatically, use the “MENU” button to save and return to the upper level menu;
- If “N” is selected, it stands for set a static IP address manually, uses the “MENU” button to go to step a).

a). Set up unique “IP Address” for the encoder:

1. Select “IP Address” and press the “MENU” button to go to setup IP address interface:



2. Use the “↔” button to switch between the four numbers;
3. Use the “MENU” button to edit the selected number;
4. Use the “↔” button to decrease/increase the number and press “MENU” to save;
5. Press the “EXIT” button and “Press ‘MENU’ to Enable Setting” will be displayed on the LCD;
6. Press the “MENU” button to save and return to the upper level menu.

b). Setup “Subnet Mask” and “Gateway”

Same chronological order as for “IP Address” set up.

Note

🔑 Please save the setting in “Save Parameter” or the setting will loss after power off.

3.3 Save Parameter



- a). Press “↔” to select save the parameters or not;
 - If “Y” is selected, system parameters can be saved;
 - If “N” is selected, system parameters cannot be saved;

b). Press the “**MENU**” button to confirm and to return to the upper level menu.

3.4 Rename

Set alias for the decoder with a maximum length of 16 characters. It is convenient to identify them.



a). Press the “**MENU**” button to enter the name setting interface, the cursor blinks under the first character;

b). Press the “←/→” button to move the cursor;

c). Press the “**MENU**” button to modify the character;

- Press “←” clear all the characters after the cursor;

- press the “→” button to select the new character;

d). Press the “**MENU**” button to save at each character;

e). Press the “**EXIT**” button to return to the upper level menu after setting finished.

Note

🔑 Please save the setting in “Save Parameter” or the setting will loss after power off.

3.5 Video Setting

Select the video output resolution of the decoder.



a). Press the “**MENU**” button, select a resolution by “←/→” buttons and then press the “**MENU**” button to confirm;

b). Press the “**EXIT**” button to return to the upper level menu.

3.6 Audio Setting



Press the “**MENU**” button, adjust the volume (range: MUTE, -29 ~ 0 dB) by “←/→” buttons and then press the “**MENU**” button to confirm and return to the upper level menu.

Note

🔑 Please save the setting in “Save Parameter” or the setting will loss after power off.

3.7 Default



a). Use the “←/→” button to select default or not;

b). Press the “**MENU**” button to confirm and to return to the upper level menu.

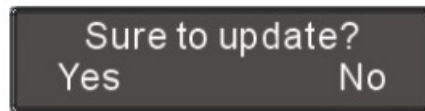
3.8 About

Decoder information includes: firmware version and series number, shown as in the following figure – press the “**MENU**” or “**EXIT**” button to return to the upper level menu.



C) Firmware upgrade


After boot-strap and initialization, insert a U drive with upgrade application will enter the update interface automatically:



- Press “EXIT” to select “No”, it stands for not updating and returning to the initial interface;
- Press “MENU” to select “Yes”, it stands for confirming and then begin to update. System will reboot when finish updating.



Note

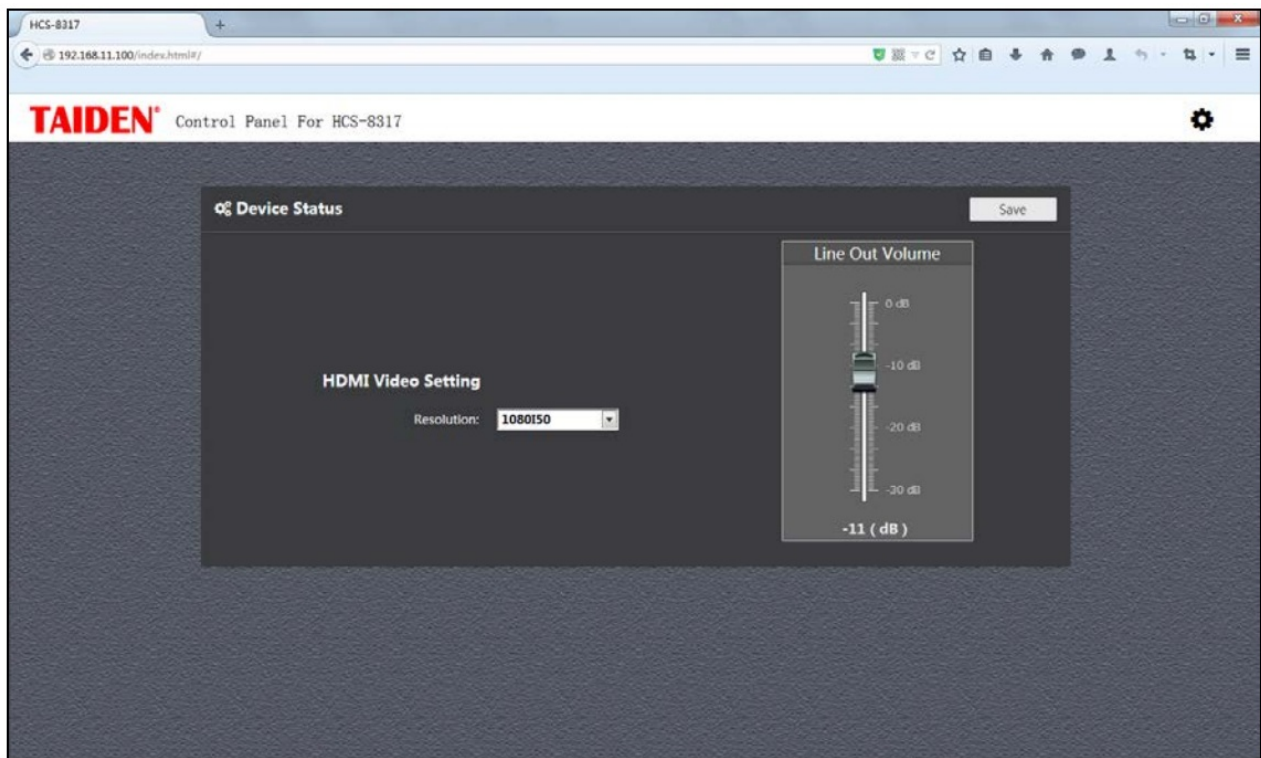
 Please do not cut off the power during updating.


D) Web server

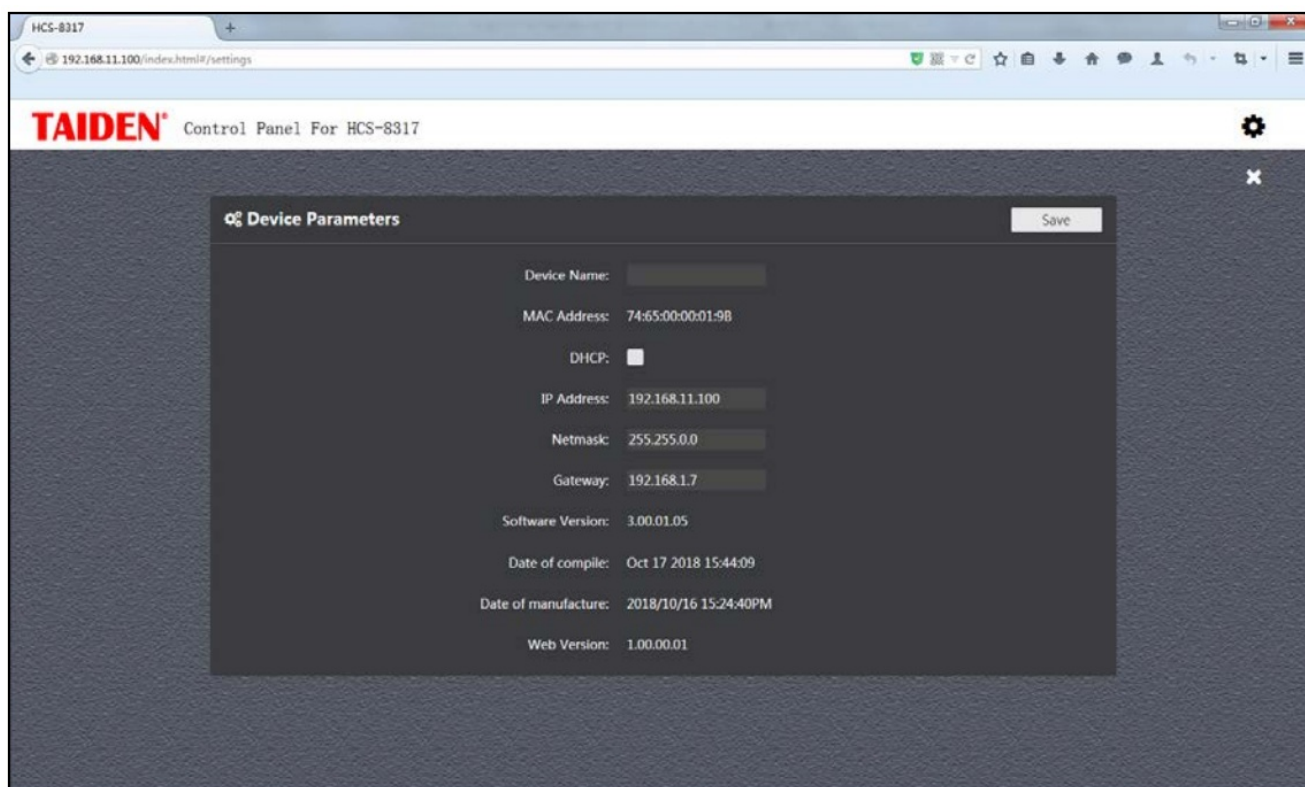
Operating environment: Firefox, Chrome, or IE11 or higher.

Input the IP address of the device in the web browser to login, the control panel includes Device Status and Device Parameters.

- **Device Status:** set the HDMI video resolution (VGA video resolution changed at the same time) and line out volume, then click “Save” to save the setting.



- **Device Parameters:** click “” to enter the interface. You can see the MAC address, software version, date of compile, date of manufacture and web version, and also can set the device name and network parameters. The IP address, netmask and gateway can be got automatically when power on if the DHCP is ticked, else you must set them manually. Click “Save” to save the setting.



Chapter 4 Technical Data

4.1 Physical Characteristics

Type	HCS-8317
Installation	Tabletop / standard 19-inch rack mount
Dimensions (mm)	<p>Technical drawing of the TAIDEN HCS-8317 device showing dimensions: 483mm (total width), 430mm (mounting bracket width), and 213mm (height). A side view shows a depth of 45mm.</p>
Color	Dark gray
Weight	2.7 kg

4.2 Electrical Characteristics

Type	HCS-8317
Mains power supply	100 V – 240 V AC, 50/60 Hz
Maximum power consumption	30 W
Network interface	supports 10M/100M/1000M Ethernet
Working temperature	0 – 40 °C
Video output	1280×720p @ 50/60 Hz; 1920×1080i @ 50/60 Hz; 1920×1080p @ 25/30/50/60 Hz 1024×768 @ 60 Hz; 1280×1024 @ 60 Hz; 1366×768 @ 60 Hz; AUTO
Analog audio	
Output impedance	<100 Ω
Gain	0 dB
SNR	>80 dB
Isolation	>75 dB
Frequency response	100 Hz – 20 kHz (-3 dB)

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Documents / Resources

 <p>TAIDEN HCS-8317 High Definition Digital AV Decoder</p> <p>Installation and Operation Manual V1.0</p>	<p>TAIDEN HCS-8317 High Definition Digital AV Decoder [pdf] User Manual HCS-8317 High Definition Digital AV Decoder, HCS-8317, High Definition Digital AV Decoder, Definition Digital AV Decoder, Digital AV Decoder</p>
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References

- TAIDEN [TAIDEN INDUSTRIAL CO., LTD.](#)