Network Media Decoder

User Manual

(v2.1)

Chapter 1:   Getting Start Guide

About This Guide

This Guide gives step-by-step instructions for setting up decoders and relative Warranty, Safety, Regulatory, and Environment Notice. Please note that the model you have purchased may appear slightly different from those shown in the illustrations.

Step 1 Unpack the equipment package

Open the shipping carton and carefully unpack its content. Please check the following packing list

1. One Aura Network Media Decoder

2. Power Cord

Step 2 Installation the equipment

For safe decoder installation and operation, it is recommended that you:

-- Visual inspect the power cord to see that it is secured fully to the AC power connector

-- Make sure that there is proper heat dissipation and adequate ventilation around the decoder

--Do not place heavy objects on the decoder

1. Connecting Cables and Power Cord
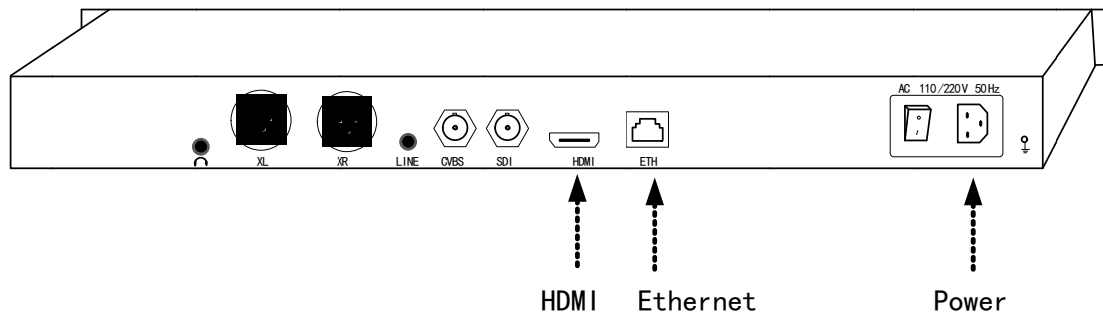
1). Connecting the Ethernet cable

2). Connecting the HDMI cable to the monitor

3). Connecting the power cord

2. Power ON

Turning on the switch, and waiting about 1 minute. IF the login light becoming green, the equipment is starting finished

Step 3 Setting the IP address by front panel

1.   Pressing the Confirm/Enter button about 3 milliseconds, the LCD display will show the setting menu.

```
[1]:IP Address State   <-
[2]:IP Address Config
```

2. Selecting the "IP Address Config" menu, and pressing the Confirm/Enter button to enter the IP address configuration sub menu.

```
[1]:IP Address State
[2]:IP Address Config   <-
```

Selecting the "Manual Set IP address" and confirm

```
[2.1]:Auto IP Get
[2.2]:Manual IP Set      <-
```

```
[2.2.1]:IP ADDR: 192.168.001.011     <-
[2.2.2]:NETMASK: 255.255.255.000
```

Pressing the Confirm/Enter button entering the edit mode, and next edit the IP address

```
[2.2.1]:IP ADDR: 192.168.001.013     <-
[2.2.2]:NETMASK: 255.255.255.000
```
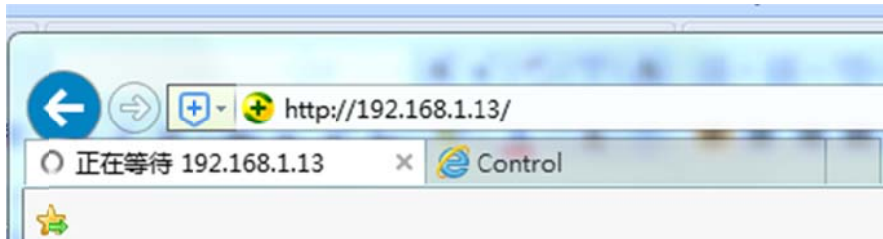
After edit finished, pressing the Confirm/Enter button to active the change
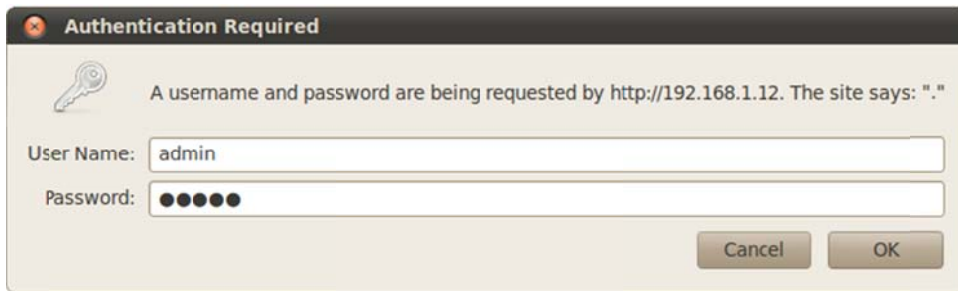Use the same way to edit the net mask and the gateway

```
[2.2.3]:GATEWAY: 192.168.001.001     <-
[2.2.1]:IP ADDR: 192.168.001.013
```

Step 4　Setting decoder parameter by equipment web

In the internet explorer address field, Input the IP address of the equipment, which last step configured

The internet explorer will pop up a login dialog box. The user name is "admin" and the default password is "admin".

If username and password are both correct, the web page will be shown like following

1. Click the "Stream" on the left bar

If the encoder is on the working,we can config pull stream。

Protocol--TS HTTP

Address--192.168.1.12（Encoder ip address）

Port--8010

App name--enc0

Network Media Decoder

Serial No. vxsbdded5d4
Mac 00:4D:9B:B2:B2:13

Stream Configuration

* Status

* Display

* Stream

* Decode

* System

* Update

Protocol	TS HTTP ∨		
Address	192.168.1.12	Port	8010
App Name	enc0	Stream Name	livestream

Advanced >>

OK   Cancel

2. Click the Status" on the left bar

Network Media Decoder

Serial No. vxsbdded5d4
Mac 00:4D:9B:B2:B2:13

Running Status

* Status

* Display

* Stream

* Decode

* System

* Update

Stream			
Stream Type	TS HTTP	Stream Connect	Yes
Stream URL	http://192.168.1.12:8010/enc0		
Audio Standard	AAC	Audio Bit Rate	64 Kbps
Video Standard	AVC	Video Bit Rate	1572 Kbps

System			
DHCP Mode	Disable	Local IP Address	192.168.1.13
Network Submask	255.255.255.0	Default Gateway	192.168.1.1
Hardware Version	v2.1	Software Version	v0.1

Check the stream status. IF it is "Yes", the decoder is working normally.We can see the image on the monitor。

Chapter 2: Equipment Structure

1. Front
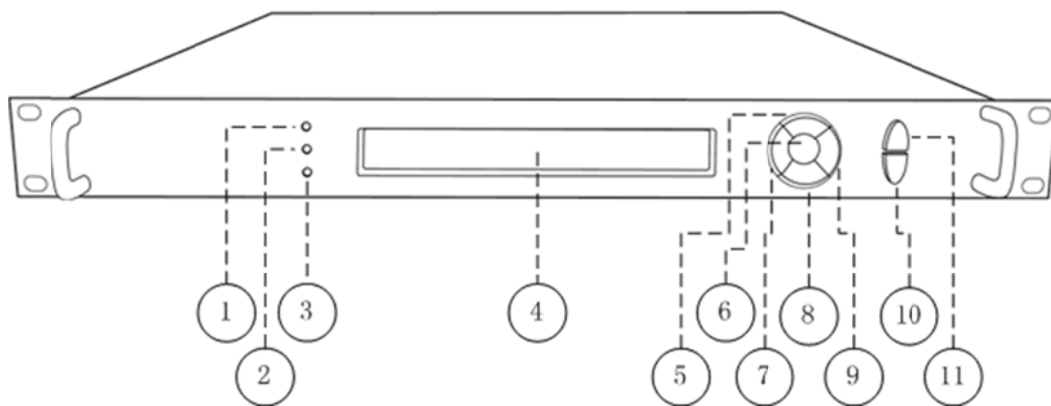
1	Equipment power LED indicator	2	Equipment system login LED indicator
3	Equipment running status LED indicator	4	LCD display
5	Navigator UP button	6	Confirm/Enter button

7	Navigator LEFT button	8	Navigator DOWN button
9	Navigator RIGHT button	10	Confirm/Enter button
11	Cancel/Escape button		

2. Back

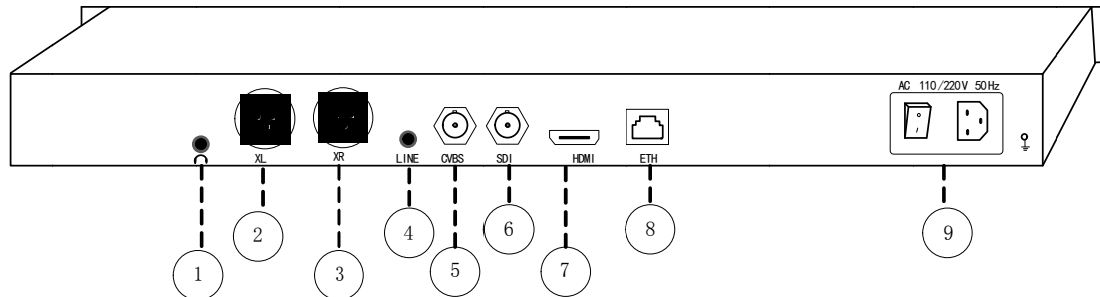| 1	Real time talking port	2	XL audio output port
3	XR audio output port	4	Analog audio output port（3.5mm）
5	CVBS video output port	6	SDI output port
7	HDMI output port	8	10/100/1000M Ethernet port
9	Power switch		

If you want to use the Real time talking function,Please contact us.

Chapter 3:　Equipment Front Panel Control

The front control panel includes 3 LED indicators, 7 keys and 1 LCD display.

1. Equipment Status Shown

LED indicators and LCD display can provide much running information about the equipment.

Power LED	Always green, if equipment is powered on
Login LED	if equipment system is login, the LED become green, else red.
Status LED	1. if equipment is working normally, the LED is green 2. if system is not login, the LED is red 3. if stream is not connecting, the LED is red, 4.If the network is not connected, the stream connection will not succeed,the LED is red
LCD Display	1. Starting mode: showing welcome 2. Standby mode: showing equipment mode and more status of the equipment, when configuration not active 3.Configuration mode: showing configuration parameter, when configuration active

2. Equipment Configuration

LCD display and 7 keys construct a simple input/output terminal of the equipment, and users can configure the IP address and reset the equipment parameter.

When equipment is powered on, and system is login yet, the LCD display showing as following

```
          Welcome!
 Starting......................
```

If system is login and configuration is not active, the LCD will be in standby mode, which displays equipment's name, model and some equipment status.

```
Equipment type              Equipment model
...Horizontal rolling equipment status and parameters ...
```

If the users long press the confirm/enter key about 3 seconds, the LCD display enter into the configuration mode, and if there is not any operation about 20 seconds, the LCD display will return to the standby mode.

```
    [1]:IP Address State    <-
    [2]:IP Address Config
```

there are 3 option in the primary menu:

1	IP Address State	inspect the equipment IP, net mask, gateway and dhcp mode
2	IP Address Config	configuration the equipment IP, net mask, gateway
3	Factory Default	reset the equipment to preset state, and the equipment will auto restart

IP Address State

```
    [1.1]:DHCP:             OFF
    [1.2]:IP ADDR: 192.168.1.12
```

1	DHCP	ON: IP address is auto get by DHCP; OFF: IP address is manual configured
2	IP ADDR	IP address of the equipment
3	NETMASK	net sub mask of the equipment
4	GATEWAY	default gateway of the equipment

IP Address Config

```
[2.1]:Auto IP Get        <-
[2.2]:Manual IP Set
```

1	Auto IP Get	Set the equipment IP automatic by DHCP. If press the confirm/enter key, the DHCP mode is enabled.
2	Manual IP Set	Set the equipment IP, net mask, gateway by user. Press the confirm/enter key, into the IP details submenu

```
[2.2.1]:IP ADDR: 192.168.001.01█      <-
[2.2.2]:NETMASK: 255.255.255.000
```

1	IP ADDR	Set the IP address of the equipment
2	NETMASK	Set the net sub mask of the equipment
3	GATEWAY	Set the default gateway of the equipment

-- Press the confirm/enter key into edit mode.

-- Use left and right key to move the cursor to the character which you want change.

-- Use up and down navigator key to change the value.

--Press the confirm/enter key to active the changes

Factory Default

```
[3.1]: Cancel           <-
[3.2]: Confirm
```

1	Cancel	Discard reset all parameters
2	Confirm	Active the reset process, if cursor selected and press the confirm/enter key

If active the reset process, the equipment will auto restart, and all parameters will be reset to the factory preset.
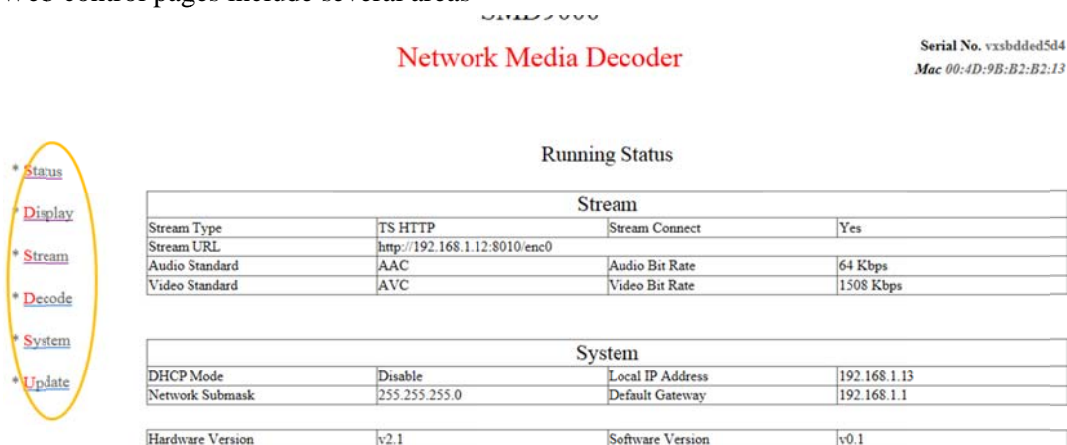
Chapter 4:   Equipment Web Control

For compatible reason, the following internet explorers are recommended.

1	Microsoft IE 6.0 or above
2	Google Chrome
3	Mozilla Firefox
4	Opera

Users visit the web control pages need username and password. The factory default user name is "admin" and password is "admin"

Web control pages include several areas

Network Media Decoder

Serial No. vxsbdded5d4
Mac 00:4D:9B:B2:B2:13

Running Status

Stream			
Stream Type	TS HTTP	Stream Connect	Yes
Stream URL	http://192.168.1.12:8010/enc0		
Audio Standard	AAC	Audio Bit Rate	64 Kbps
Video Standard	AVC	Video Bit Rate	1508 Kbps

System			
DHCP Mode	Disable	Local IP Address	192.168.1.13
Network Submask	255.255.255.0	Default Gateway	192.168.1.1

Hardware Version	v2.1	Software Version	v0.1

In the Navigation Area, there are 6 menus.

1	Status	Provide the many of the equipment's status and information
2	Display	Used to set the output parameters, like resolution，audio，etc
3	Stream	Used to set the stream parameters
4	Decode	Used to set the buffering time and sychronous mode.
5	System	Used to set the equipments system parameter, like IP, web control password, etc.
6	Update	Used to upgrade the equipment's firmware

1. Status

Status including 2submenus, "Stream Status" "System Status "

Network Media Decoder

Mac 00:4D:9B:B2:B2:13

Running Status

* Status
* Display
* Stream
* Decode
* System
* Update

Stream			
Stream Type	TS HTTP	Stream Connect	Yes
Stream URL	http://192.168.1.12:8010/enc0		
Audio Standard	AAC	Audio Bit Rate	64 Kbps
Video Standard	AVC	Video Bit Rate	1690 Kbps

System			
DHCP Mode	Disable	Local IP Address	192.168.1.13
Network Submask	255.255.255.0	Default Gateway	192.168.1.1
Hardware Version	v2.1	Software Version	v0.1

Stream status display the stream type, connecting status,stram url,etc

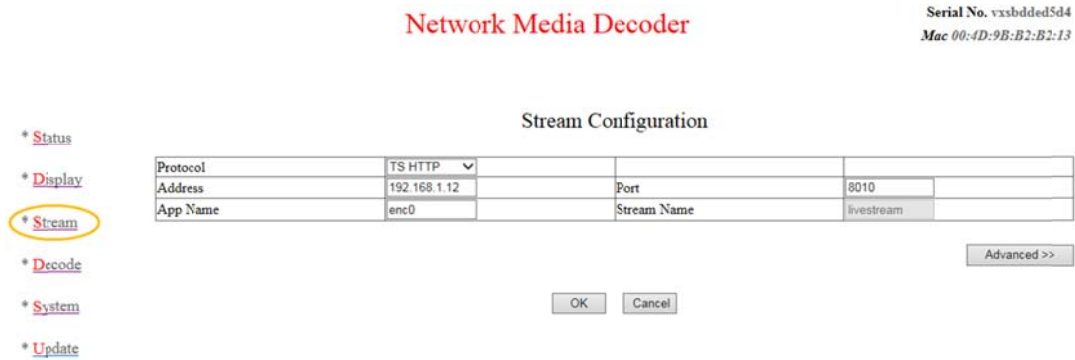System status display the equipment parameter,like ip address ,gateway,submash,etc

2. Display

Network Media Decoder

Display Configuration

* Status

* Display

* Stream

* Decode

* System

* Update

| HD Display | 1080i50 | | SD Display | 576i50 | |

Advanced >>

OK   Cancel
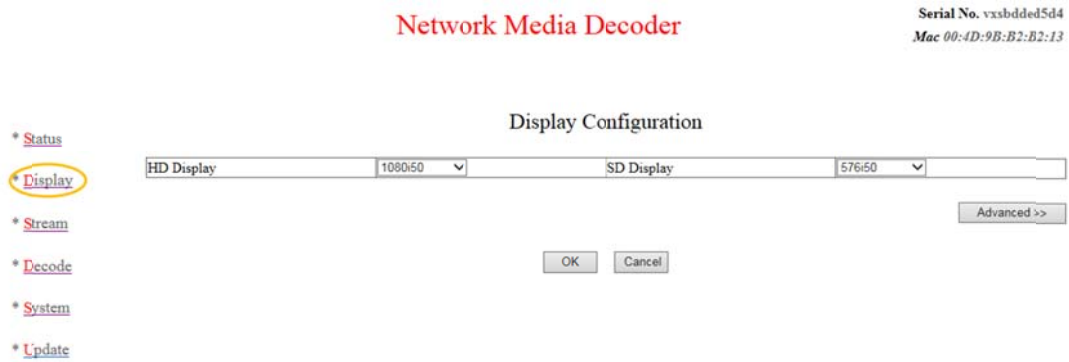
Seting output resolution

HD Display--set SDI and HDMI output

SD Display--set cvbs output

3. Stream

Network Media Decoder

Stream Configuration

* Status

* Display

* Stream

* Decode

* System

* Update

Protocol	TS HTTP			
Address	192.168.1.12		Port	8010
App Name	enc0		Stream Name	livestream

Advanced >>

OK   Cancel

Add the protocol for the stream. This equipment support 6 protocols (UDP TS,

RTSP ,HTTP-TS,HTTP-FLV,HLS RTMP)..

-- Select the protocol

-- Fill the IP Address, Port, App Name and Stream Name. (Target Application and Stream Name is only available by RTMP)

-- Click ADD button on the right to add this target

-- Click Del on right of the added target to delete this target, if you do not need this target any more

-- Click OK to active all of the changes, or click Cancel if you want to discard the changes

4. Decode

Network Media Decoder

Serial No. vxsbdded5d4
Mac 00:4D:9B:B2:B2:13

Decode Configuration

* Status
* Display
* Stream
* Decode
* System
* Update

| Buffering Time | 0 | ms | Sychronous Mode | 90KHz Clock ∨ |

OK   Cancel

Though the decode,we can set buffering time and sychronous mode.

5.System

System Configuration

» Status
* Encode
* Stream
* System
* Preview
* Update

Equipment Address					
IP address	192.168.1.12	IP submask	255.255.255.0	Gate way	192.168.1.1
DHCP	Disable ∨				

OK   Cancel

Reboot System   Parameter Rese   Set DNS>>   Change Password>>

In the System content, users can change the equipment IP, web control password, and reboot equipment, reset all parameters.

reboot equipment and reset parameter will cause the equipment auto restart

6. Update

Equipment Update

| Update   Packet | 选择文件 未选择文件 | Update Reset |

Click the "Choose" to select the firmware package which Aura provided, and Click "Update".
If success, the web page will show "File upload success", and the equipment will auto restart.
If Failed, the web page will show "File upload Failed", and users need to double check the firmware package just selected is from Aura and suitable for this equipment.