



NDS3536S

Encoder Modulator ISDB-T (16 carriers) User Manual



OSD (Logo/Caption/QR Code) Insertion



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About This Manual

Intended Audience

This user manual has been written to help people who have to use, to integrate and to install the product. Some chapters require some prerequisite knowledge in electronics and especially in broadcast technologies and standards.

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Directory

CHAPTER 1 INTRODUCTION	¡ERROR! MARCADOR NO DEFINIDO.
1.1 PRODUCT OVERVIEW	1
1.2 KEY FEATURES	1
1.3 SPECIFICATIONS	2
1.4 PRINCIPLE CHART	3
1.5 APPEARANCE AND DESCRIPTION	3
CHAPTER 2 INSTALLATION GUIDE.....	5
2.1 GENERAL PRECAUTIONS	5
2.2 POWER PRECAUTIONS	5
2.3 DEVICE'S INSTALLATION FLOW CHART ILLUSTRATED AS FOLLOWING	5
2.4 ENVIRONMENT REQUIREMENT	5
2.5 GROUNDING REQUIREMENT	6
CHAPTER 3 WEB NMS OPERATION	7
3.1 LOGIN.....	7
3.2 OPERATION	7
CHAPTER 4 TROUBLESHOOTING.....	25
CHAPTER 5 PACKING LIST	26

Chapter 1 Introduction

1.1 Product Overview

NDS3536S is a professional high integration device which includes encoding, multiplexing, and modulation. It supports 8/16/24 HDMI inputs, 1 ASI input, 1 USB payer input and 128 IP inputs via the GE port. It also supports ISDB-T RF out with 16 non-adjacent carriers, and supports 16 MPTS as mirror of 16 carriers through the GE port and 1 ASI out as mirror of one of the carriers. This full function device makes it ideal for small CATV head end system, and it's a smart choice for hotel TV system, entertainment system in sports bar, hospital, apartment...

1.2 Key Features

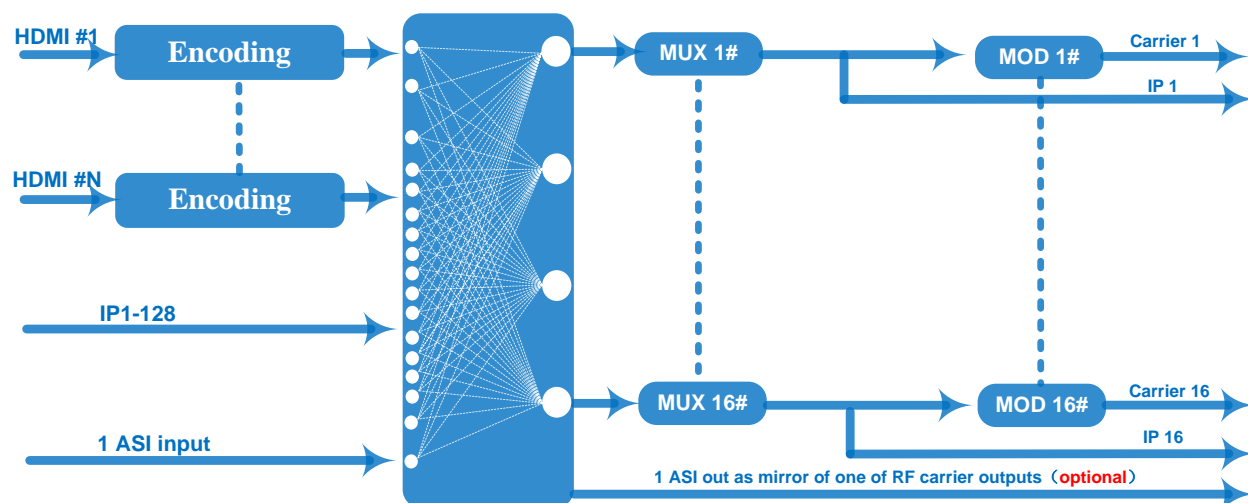
- 8/16/24 HDMI inputs, MPEG-4 AVC/H.264 Video encoding
- 1 ASI input for re-mux
- 1 USB Player (Insert the USB Flash drive with “xxx.ts” videos in NDS3536S and play back the content in an easy way; file system FAT 32.)
- 128 IP input over UDP and RTP via GE port
- Each carrier out channel processes maximum 32 IP inputs from the GE port(UDP&RTP protocol)
- MPEG1 Layer II, LC-AAC and HE-AAC Audio encoding, AC3 Pass Through and audio gain adjustment
- Support 16 groups multiplexing/ISDB-T modulating
- Support 1 ASI out as mirror of one of RF output carriers---Optional
- Support 16 MPTS IP output over UDP, RTP/RTSP
- Support LOGO, Caption and QR code insertion(Language Supported: 中文, English, العربية, русский, اردو, for more languages please consult us...)
- Support PID remapping/ accurate PCR adjusting/PSI/SI editing and inserting
- Control via web management, and easy updates via web

1.3 Specifications

Input	8/16/24 HDMI inputs for option 1 ASI in for re-mux 1 USB Player input for re-mux 128 IP input over UDP and RTP, GE port, RJ45		
Video	Resolution	Input	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i, 720×480_60i,
		Output	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P, 720×480_30P,
	Encoding	MPEG-4 AVC/H.264	
	Bit-rate	1Mbps~13Mbps each channel	
	Rate Control	CBR/VBR	
	GOP Structure	IP...P (P Frame adjustment, without B Frame)	
Audio	Encoding	MPEG-1 Layer 2, LC-AAC, HE-AAC and AC3 Pass through	
	Sampling rate	48KHz	
	Resolution	24-bit	
	Audio Gain	0-255 Adjustable	
	MPEG-1 Layer 2 Bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps	
	LC-AAC Bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps	
	HE-AAC Bit-rate	48/56/64/80/96/112/128 kbps	
Multiplexing	Maximum PID Remapping	255 input per channel	
	Function	PID remapping (automatically or manually)	
		Accurate PCR adjusting	
		Generate PSI/ SI table automatically	
Modulation	ISDB-T	Standard	ARIB STD-B31
		Bandwidth	6M
		Constellation	QPSK, 16QAM, 64QAM
		Guard Interval	1/32, 1/16, 1/8, 1/4
		Transmission Mode	2K, 4K, 8K
		Code rate	1/2, 2/3, 3/4, 5/6, 7/8
		MER	≥40dB
		RF frequency	50~960MHz, 1KHz step
		RF out	16 non-adjacent carriers output (maximum bandwidth 192MHz)
		RF output level	-20dBm~+3dBm, 0.1dB stepping

Stream output	1 ASI output as mirror of one of RF output carriers(Optional) 16 MPTS output over UDP and RTP/RTSP as mirror of 16 ISDB-T carriers 1*1000M Base-T Ethernet interface, GE port	
System function	Network management (WEB)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension (W×L×H)	482mm×328mm×44mm
	Environment	0~45℃(work); -20~80℃ (Storage)
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

1.4 Principle Chart



1.5 Appearance and Description

Front and Rear Panel Illustration



1	Power supply and Grounding Pole
2	Power Indicator
3	ASI out (Optional)
4	ASI in
5	HDMI inputs
6	DATA: IP input and output port(GE)
7	NMS (Network management port)
8	USB Port(TS playing)
9	RF test and RF out port

Chapter 2 Installation Guide

This section is to explain the cautions the users must know in some case that possible injure may bring to users when it's used or installed. For this reason, please read all details here and make in mind before installing or using the product.

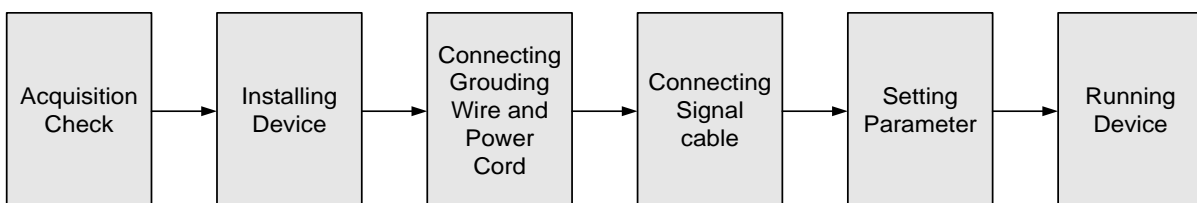
2.1 General Precautions

- ✓ Must be operated and maintained free of dust or dirty.
- ✓ The cover should be securely fastened, do not open the cover of the products when the power is on.
- ✓ After use, securely stow away all loose cables, external antenna, and others.

2.2 Power precautions

- ✓ When you connect the power source, make sure if it may cause overload.
- ✓ Avoid operating on a wet floor in the open. Make sure the extension cable is in good condition
- ✓ Make sure the power switch is off before you start to install the device

2.3 Device's Installation Flow Chart Illustrated as following



2.4 Environment Requirement

Item	Requirement
Machine Hall Space	When user installs machine frame array in one machine hall, the distance between 2 rows of machine frames should be

	1.2~1.5m and the distance against wall should be no less than 0.8m.
Machine Hall Floor	Electric Isolation, Dust Free Volume resistivity of ground anti-static material: $1 \times 10^7 \sim 1 \times 10^{10} \Omega$, Grounding current limiting resistance: $1 \text{M}\Omega$ (Floor bearing should be greater than 450Kg/m^2)
Environment Temperature	$5 \sim 40^\circ\text{C}$ (sustainable) , $0 \sim 45^\circ\text{C}$ (short time) , installing air-conditioning is recommended
Relative Humidity	20%~80% sustainable 10%~90% short time
Pressure	86~105KPa
Door & Window	Installing rubber strip for sealing door-gaps and dual level glasses for window
Wall	It can be covered with wallpaper, or brightness less paint.
Fire Protection	Fire alarm system and extinguisher
Power	Requiring device power, air-conditioning power and lighting power are independent to each other. Device power requires AC $110\text{V} \pm 10\%$, 50/60Hz or AC $220\text{V} \pm 10\%$, 50/60Hz. Please carefully check before running.

2.5 Grounding Requirement

- ✓ All function modules' good grounding is the basis of reliability and stability of devices. Also, they are the most important guarantee of lightning arresting and interference rejection. Therefore, the system must follow this rule.
- ✓ Grounding conductor must adopt copper conductor in order to reduce high frequency impedance, and the grounding wire must be as thick and short as possible.
- ✓ Users should make sure the 2 ends of grounding wire well electric conducted and be antirust.
- ✓ It is prohibited to use any other device as part of grounding electric circuit

- ✓ The area of the conduction between grounding wire and device's frame should be no less than 25 mm².

Chapter 3 WEB NMS Operation

Users can only control and set the configuration in computer by connecting the device to web NMS Port. User should ensure that the computer's IP address is different from this device's IP address; otherwise, it would cause IP conflict.

3.1 Login

The default IP address of this device is 192.168.0.136.

Connect the PC (Personal Computer) and the device with net cable, and use ping command to confirm they are on the same network segment.

I.G. the PC IP address is 192.168.99.252, we then change the device IP to 192.168.99.xxx (xxx can be 1 to 254 except 252 to avoid IP conflict).

Use web browser to connect the device with PC by inputting the Encoder & Modulator's IP address in the browser's address bar and press Enter.

It displays the Login interface as Figure-1. Input the Username and Password (Both the default Username and Password are "admin".) and then click "LOGIN" to start the device setting.

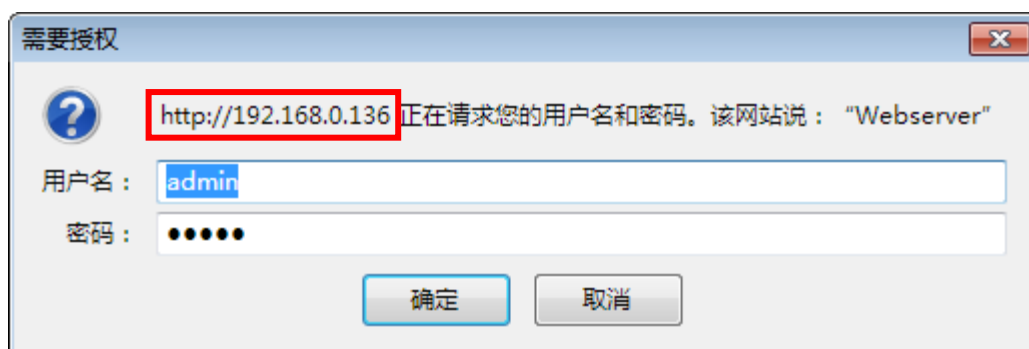


Figure-1

3.2 Operation

Summary → Status

When we login into encoder modulator, it displays the status interface as Figure-2.

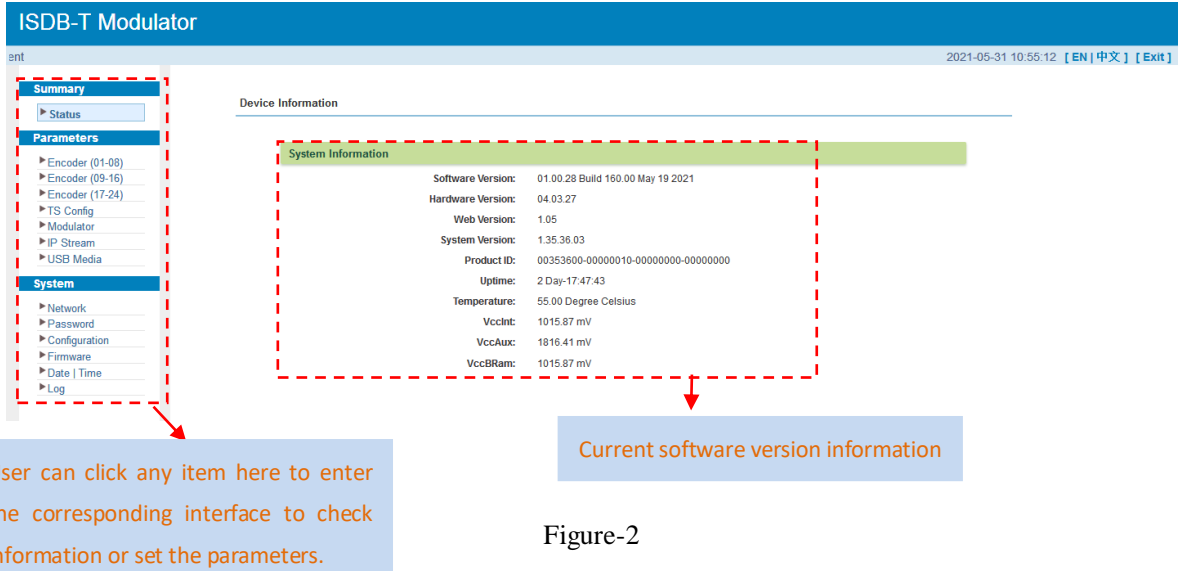
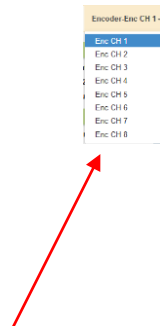


Figure-2

Parameters → Encoder(01-08)

From the menu on left side of the webpage, clicking “Encoder(01-08)”, it displays the information of each encoding channel from the encoder as Figure-3.



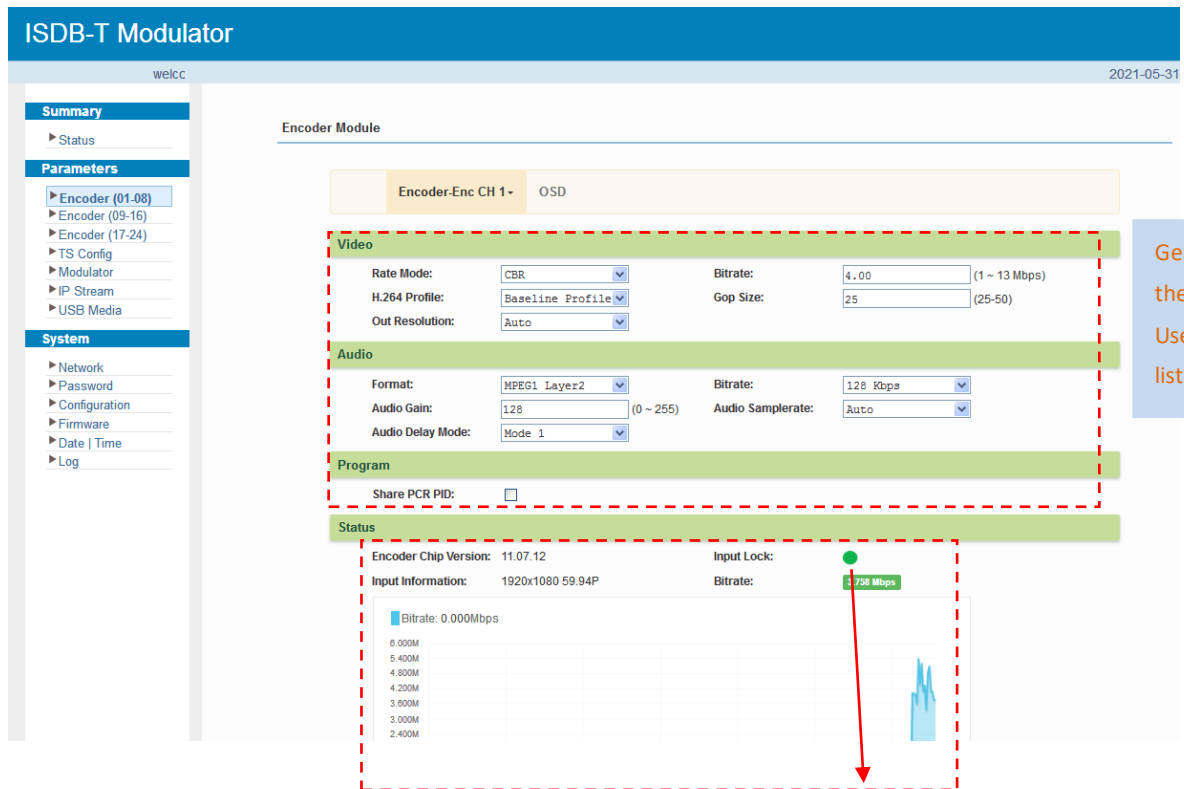


Figure-3

Encoder(01-08) → OSD:

Clicking “OSD”, it displays the interface as Figure-4/5/6 where to set Logo/ Caption/ QRCode parameters.

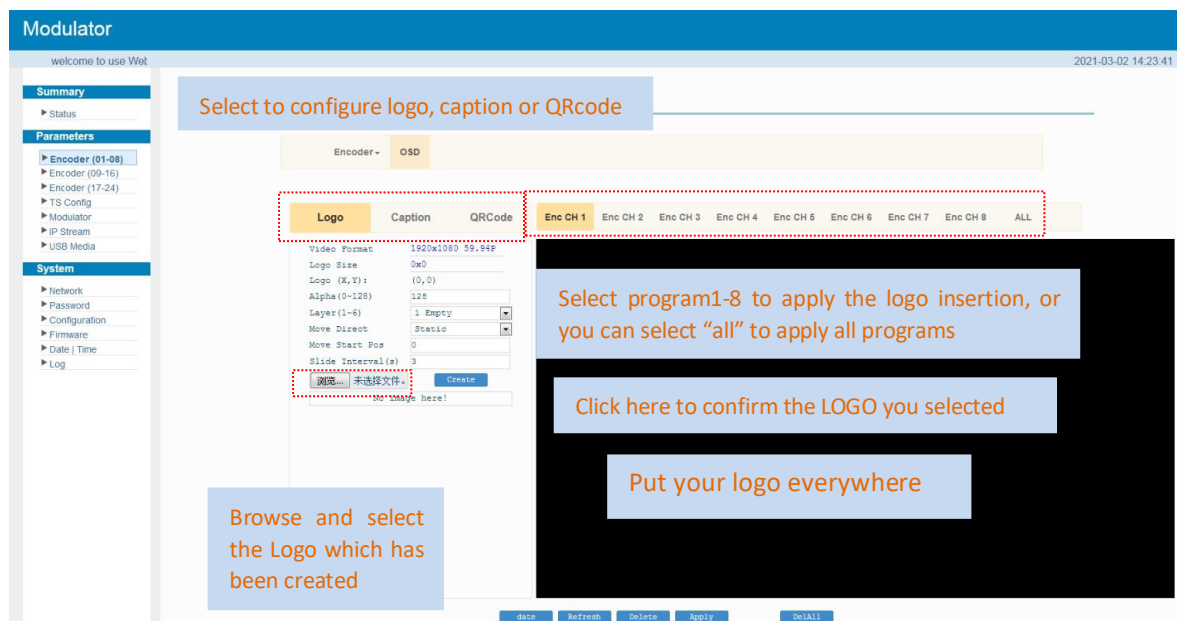


Figure-4

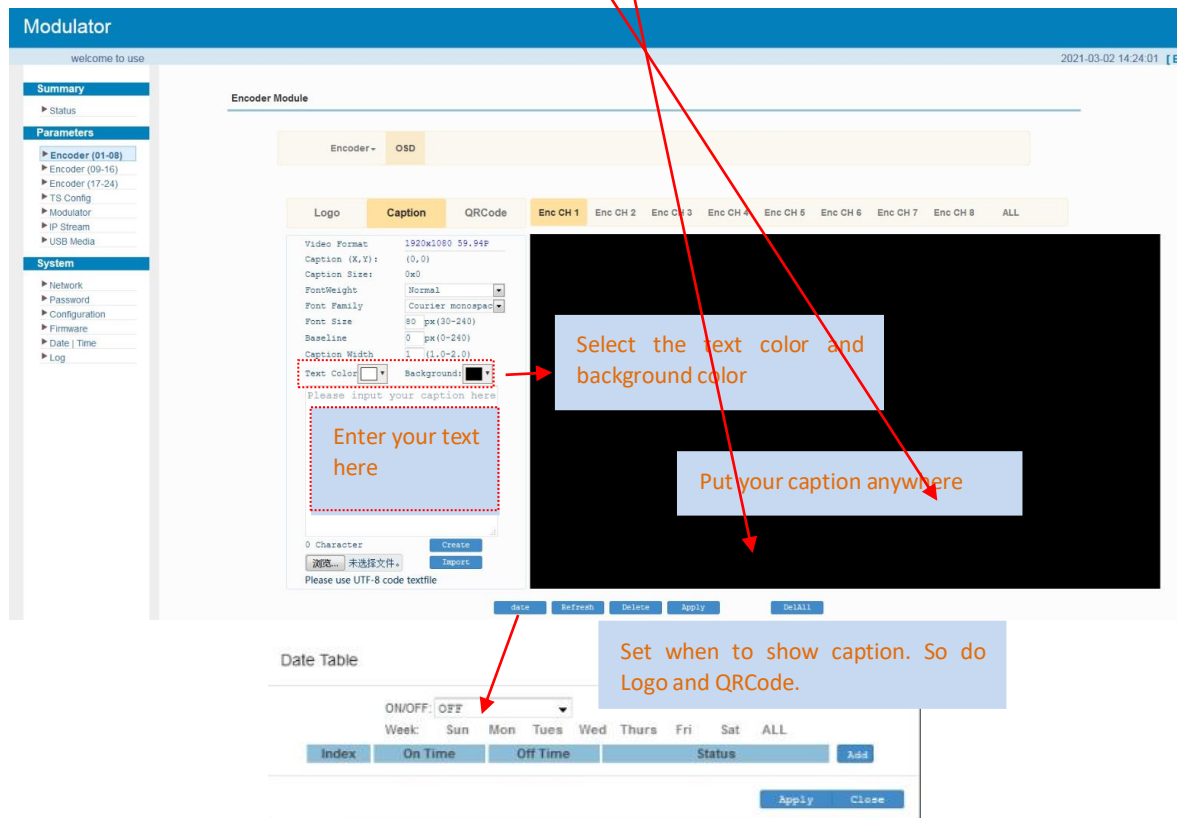


Figure-5

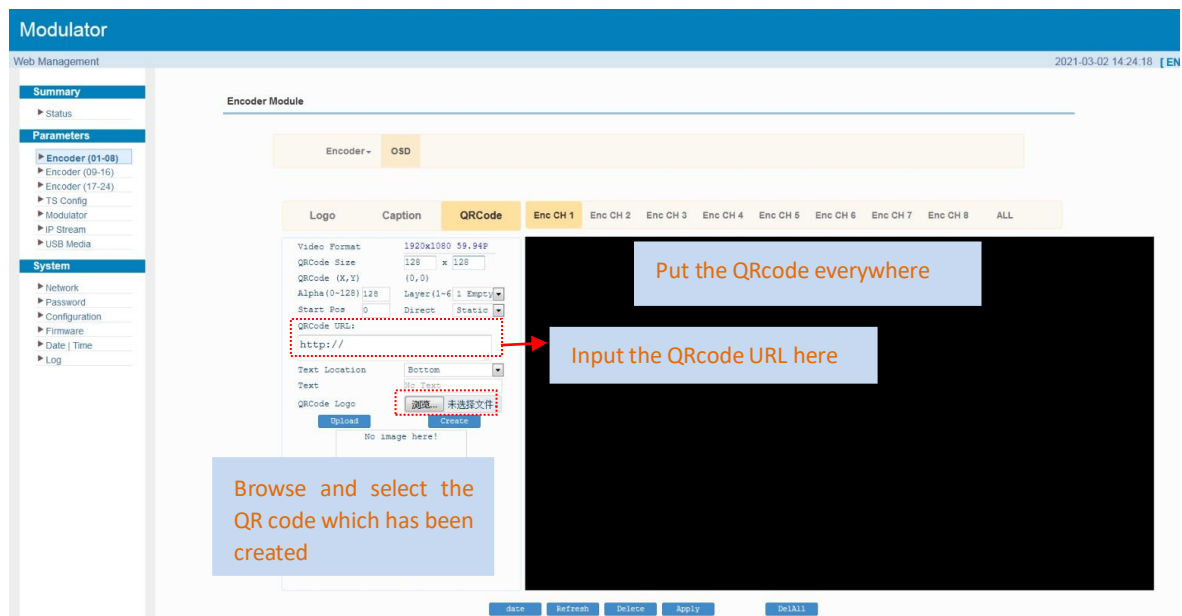


Figure-6

Parameters → Encoder(09-16)

From the menu on left side of the webpage, clicking “Encoder(09-16)”, it displays the information of each encoding channel from the encoder as Figure-7.

Video

Rate Mode: CBR Bitrate: 4.00 (1 ~ 13 Mbps)

H.264 Profile: Baseline Profile Gop Size: 25 (25-50)

Out Resolution: Auto

Audio

Format: MPEG1 Layer2 Bitrate: 128 Kbps

Audio Gain: 128 (0 ~ 255) Audio Samplerate: Auto

Audio Delay Mode: Mode 1

Program

Share PCR PID: ☐

Status

Encoder Chip Version: 11.07.12 Input Lock: ●

Input Information: 1920x1080 59.94P Bitrate: 3.758 Mbps

Bitrate: 0.000Mbps

6.000M
5.400M
4.800M
4.200M
3.600M
3.000M
2.400M

Figure-7

Encoder (09-16) → OSD

OSD setting is same as the one in the encoder(01-08).

ISDB-T Modulator

welcome! 2021-05-31 10:56:57 [EN] 中文 [

Encoder- OSD

Logo Caption QRCode Enc CH 1 Enc CH 2 Enc CH 3 Enc CH 4 Enc CH 5 Enc CH 6 Enc CH 7 Enc CH 8 ALL

Video Format 1920x1080
59.94P

Logo Size 0x0

Logo (X,Y): (0,0)

Alpha(0-128) 128

Layer(1-6) 1 Empty

Move Direct Static

Move Start Pos 0

Slide Interval(s) 3

浏览... 未选择文件 Create

No image here!

Figure-8

Encoder (09-16) → System

Under System page, users can check the software version information of the encoder module, save, restore or load factory set the module configuration.

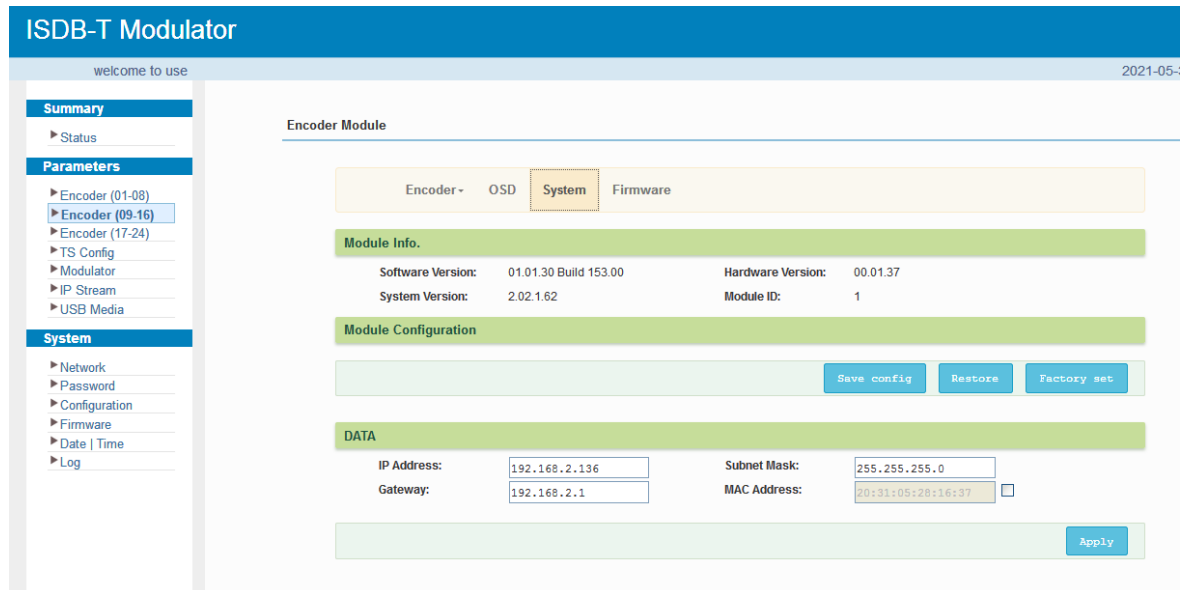


Figure-9

Encoder (09-16) → Firmware

Under the Firmware page, users can update the software for the encoder module.

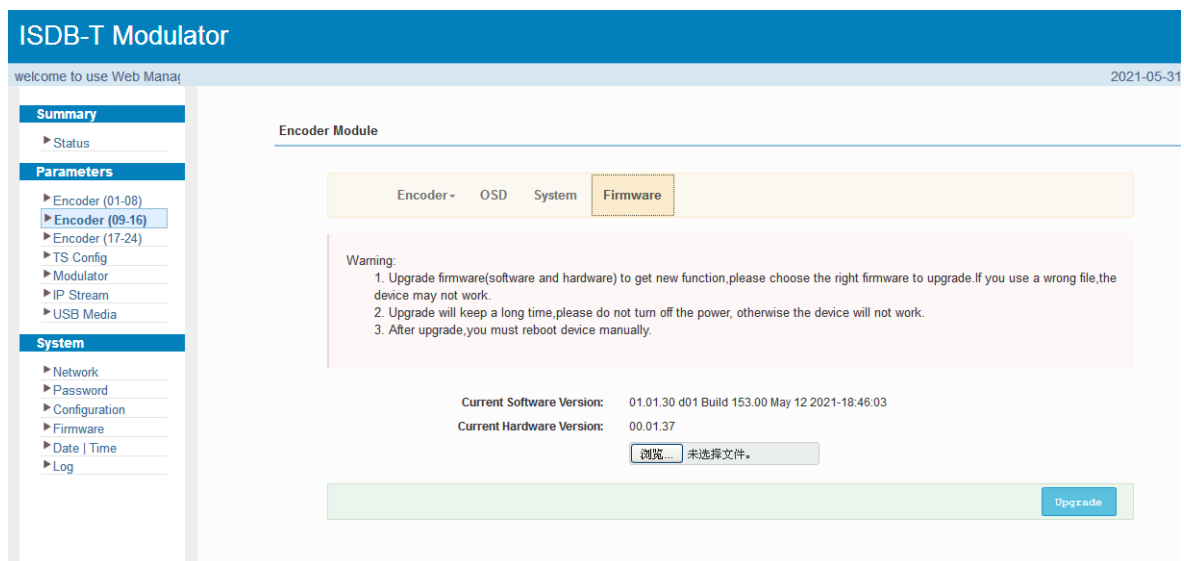


Figure-10

Parameters → Encoder(17-24)

Encoder (17-24) shares the same configuration steps with encoder(01-08).

The screenshot displays the configuration interface for the NDS3536S Encoder Modulator. It is organized into four main sections: Video, Audio, Program, and Status.

- Video Section:**
 - Rate Mode: CBR (dropdown)
 - H.264 Profile: Baseline Profile (dropdown)
 - Out Resolution: Auto (dropdown)
 - Bitrate: 4.00 (input field) (1 ~ 13 Mbps)
 - Gop Size: 25 (input field) (25-50)
- Audio Section:**
 - Format: MPEG1 Layer2 (dropdown)
 - Audio Gain: 128 (input field) (0 ~ 255)
 - Audio Delay Mode: Mode 1 (dropdown)
 - Bitrate: 128 Kbps (dropdown)
 - Audio Samplerate: Auto (dropdown)
- Program Section:**
 - Share PCR PID: ☐
- Status Section:**
 - Encoder Chip Version: 11.07.12
 - Input Information: 1920x1080 59.94P
 - Input Lock: ●
 - Bitrate: 3.758 Mbps (green box)

Below the Status section, there is a graph titled "Bitrate: 0.000Mbps". The y-axis represents bitrate in Mbps, ranging from 2.400M to 6.000M in increments of 0.400M. The x-axis represents time. A blue line graph shows the current bitrate fluctuating between approximately 3.4 and 3.8 Mbps.

Figure-11

Parameters → TS Config:

From the menu on left side of the webpage, clicking “TS Config”, it displays the interface where users can configure the TS output parameters.

➤ TS Config→Output TS X:

Clicking “Output TS X”, it displays the interface where users can select the TS output carrier (Figure-12)

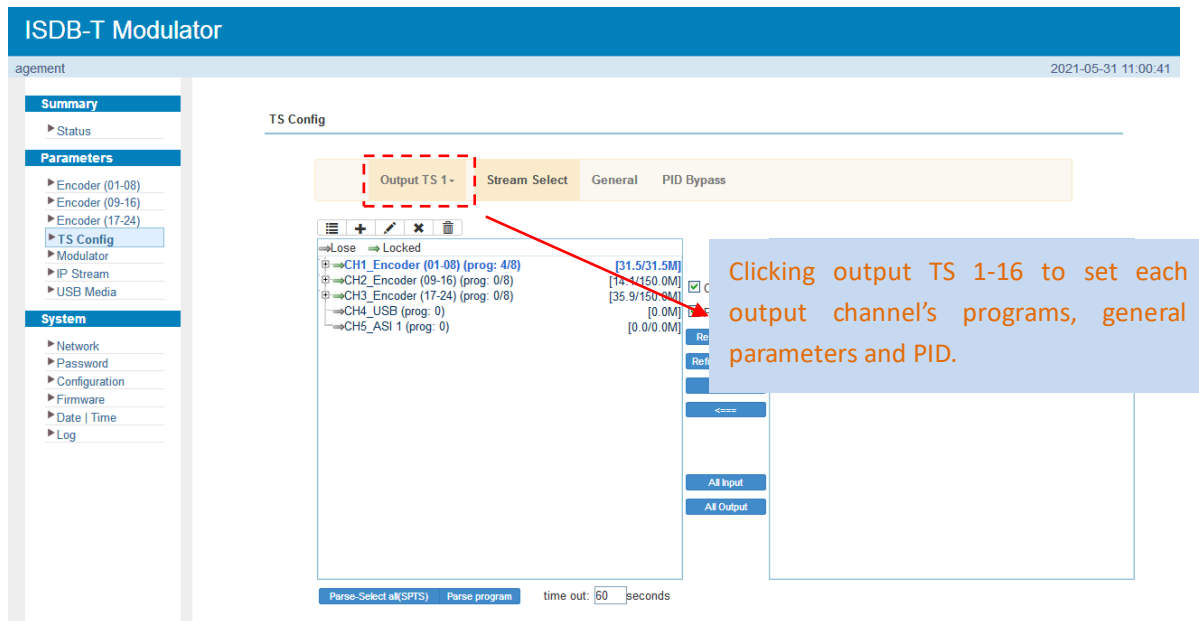


Figure-12

➤ TS Config→Stream select:

Clicking “Stream select”, it displays the interface where users can select program(s) to multiplex out and modify program info. (Figure-13)

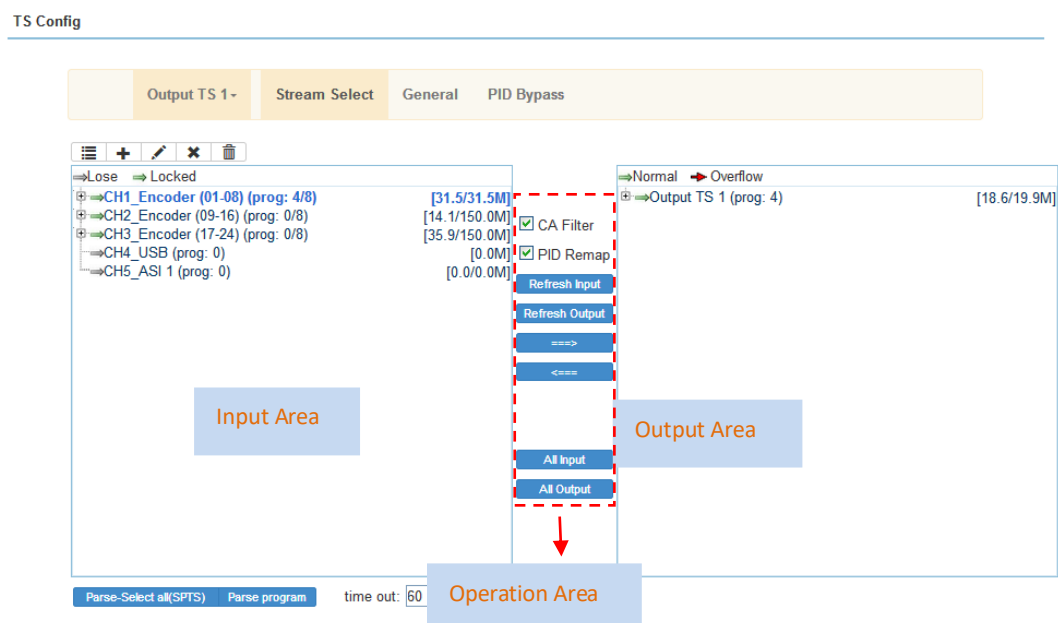
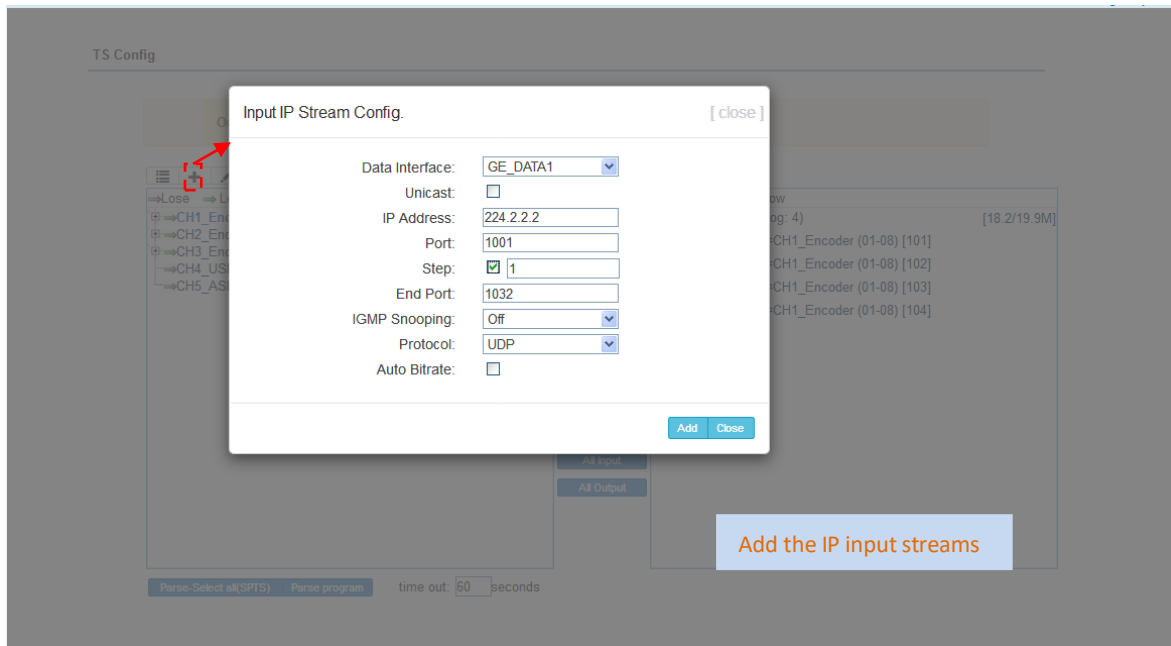


Figure-13



Configure 'Input Area' and 'Output Area' with buttons in 'Operation Area'. Instructions are as below:

→Lose →Locked : To check source streams locked or not, green means current source streams locked

→Normal →Overflow : To check current TS overflowing or not, red color means current TS overflowing, need reduce program

☒ CA Filter : To filter/not filter the source CA information

☒ PidRemap : To enable/disable the PID remapping

To refresh the input program information

To refresh the output program information


Select one input program first and click this button to transfer the selected program to the right box to output.

Similarly, user can cancel the multiplexed programs from the right box.

To select all the input programs

To select all the output programs

➤ Program Modification:

The multiplexed program information can be modified by clicking the program in the 'output' area. For example, when clicking  TV-101 <=CH1_Module 1 [101], it triggers a dialog box (Figure-14) where users can input new information.

[close]

Program Information

Program From Input: CH1_Encoder (01-08) [101]

Service Name:

Program Number:

Logic Channel Number:

Service Type:

Service Provider:

PMT Descriptor Tag: ☐

PMT Descriptor Data: (Hex)

PMT PID:

PCR PID:

MPEG-4 Video PID: ☒

MPEG-1 Audio PID: ☒

Figure-14

➤ TS Config→General:

From the TS Config menu on up side of the webpage, clicking “General”, it displays the interface where users can enable PSI/SI table out and insert NIT. (Figure-15)

Output TS 1 ▾
Stream Select
General
PID Bypass

Stream

Output Mode: PAT Insert: ☒

PMT Insert: ☒ SDT Insert: ☒

BAT Insert: ☒ Share BAT:

CAT Insert: ☒ Fixed Table Version: ☐

TS ID: ON ID:

PCR Correct: ☒ PCR Speed BW:

PCR State BW: PCR Compensate:

Character Encoding: IGMP Interval: (5s~120s)

NIT

NIT Insert:

Private Data: ☒ Network ID:

Network Name: Version Mode:

LCN Mode: Version Number: (0-31)

Index	TS ID	ON ID	Area Code	Constellation	Symbol Rate	
<input type="button" value="+"/> <input type="button" value="⌵"/>						

TDT/TOT

TDT/TOT Insert: ☐ TOT Descriptor Insert:

IPTV Sync(SPTS)

IPTV Sync: ☐ Sync Period: Sec

Figure-15

➤ TS Config → PID Bypass:

Users can bypass the wanted PIDs here.

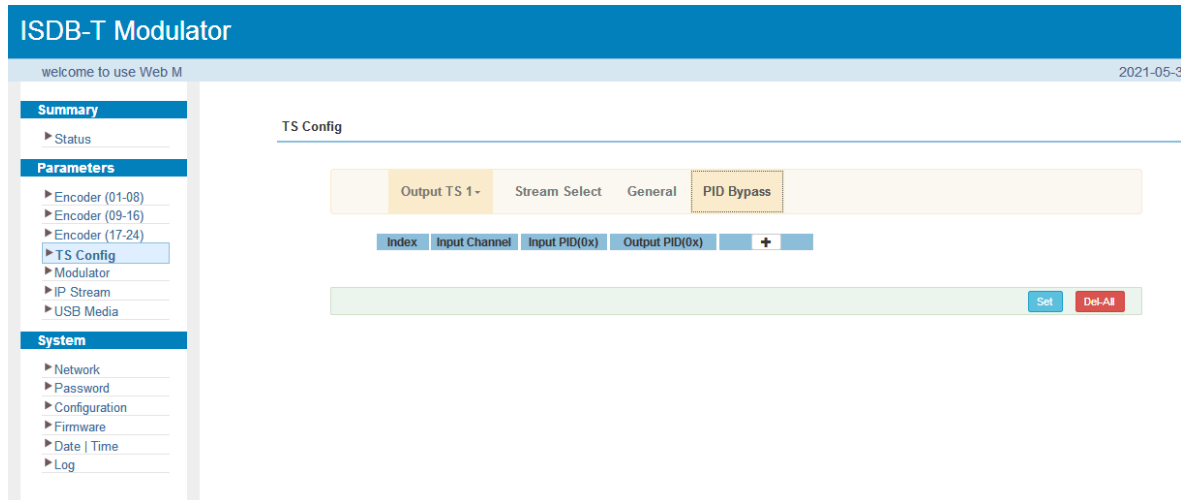


Figure-16

Parameters → Modulator:

Clicking “Modulator”, it displays the Modulator Configuration screen as Figure-17.

NDS3536S supports 16 ISDB-T frequencies out. Here user can set modulation parameters, such as level and frequency etc.

ISDB-T Modulator

Web Management

Summary

- Status

Parameters

- Encoder (01-08)
- Encoder (09-16)
- Encoder (17-24)
- TS Config
- Modulator**
- IP Stream
- USB Media

System

- Network
- Password
- Configuration
- Firmware
- Date | Time
- Log

Modulator

Center Frequency: 698.000 MHz
Level(All Carriers): 0.0 dBm
Guard Interval: 1/32
FFT Mode: 2K
Freq Offset: 142.857 KHz

Standard: ISDBT
Channel Info.(Alarm/Active/Total): 0/16/16
Constellation: 64QAM
Code Rate: 3/4

Apply

#	Frequency	Gain offset	Status	Bit(Act/Max)
1	653.000 MHz	0.0 dB	●	18.7/19.9 M
2	659.000 MHz	0.0 dB	●	13.5/19.9 M
3	665.000 MHz	0.0 dB	●	9.2/19.9 M
4	671.000 MHz	0.0 dB	●	4.7/19.9 M
5	677.000 MHz	0.0 dB	●	18.9/19.9 M
6	683.000 MHz	0.0 dB	●	18.2/19.9 M
7	689.000 MHz	0.0 dB	●	0.0/19.9 M
8	695.000 MHz	0.0 dB	●	0.0/19.9 M
9	701.000 MHz	0.0 dB	●	0.0/19.9 M
10	707.000 MHz	0.0 dB	●	0.0/19.9 M
11	713.000 MHz	0.0 dB	●	0.0/19.9 M
12	719.000 MHz	0.0 dB	●	0.0/19.9 M
13	725.000 MHz	0.0 dB	●	0.0/19.9 M
14	731.000 MHz	0.0 dB	●	0.0/19.9 M
15	737.000 MHz	0.0 dB	●	0.0/19.9 M

Quickly Config

Channel Config

Quickly Config. [close]

Level(All Carriers): 0.0 (-20 ~ +3 dBm)

Channel Enable: ☒

Start Frequency: 653.000 (50 ~ 960 MHz)

Apply Close

Channel 1 Config. [close]

Level(All Carriers): 0.0 (-20 ~ +3 dBm)

Channel Enable: ☒

Frequency: 653.000 (50 ~ 960 MHz)

Gain offset: 0.0 (-10 ~ 0 dB)

Apply Close

Figure-17

Parameters → IP Stream:

NDS3536S supports 16 TS to output in IP format through the DATA port under ISDB-T modulation.

Clicking “IP Stream”, it displays the interface where to set IP out parameters (Figure-18).

ISDB-T Modulator

welcome to use Web UI

Summary

- ▶ Status

Parameters

- ▶ Encoder (01-08)
- ▶ Encoder (09-16)
- ▶ Encoder (17-24)
- ▶ TS Config
- ▶ Modulator
- ▶ **IP Stream**
- ▶ USB Media

System

- ▶ Network
- ▶ Password
- ▶ Configuration
- ▶ Firmware
- ▶ Date | Time
- ▶ Log

IP Stream(GE_DATA1)

Channel Info.(Alarm/Active/Total): 0/16/16

#	IP Address	Port	Protocol	Pkt Length	Null PKT Filter	Status	Bit(Act/Max)	
1	224.2.2.2	2001	UDP	7	<input checked="" type="checkbox"/>	●	17.4/19.9 M	
2	224.2.2.2	2002	UDP	7	<input checked="" type="checkbox"/>	●	12.7/19.9 M	
3	224.2.2.2	2003	UDP	7	<input checked="" type="checkbox"/>	●	8.2/19.9 M	
4	224.2.2.2	2004	UDP	7	<input checked="" type="checkbox"/>	●	5.0/19.9 M	
5	224.2.2.2	2005	UDP	7	<input checked="" type="checkbox"/>	●	18.8/19.9 M	
6	224.2.2.2	2006	UDP	7	<input checked="" type="checkbox"/>	●	18.3/19.9 M	
7	224.2.2.2	2007	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	
8	224.2.2.2	2008	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	
9	224.2.2.2	2009	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	
10	224.2.2.2	2010	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	
11	224.2.2.2	2011	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	
12	224.2.2.2	2012	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	
13	224.2.2.2	2013	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	
14	224.2.2.2	2014	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	
15	224.2.2.2	2015	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	
16	224.2.2.2	2016	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	

Channel Config

Figure-18

When users click “pen” button, it triggers a dialog box (Figure-19) where users can set the corresponding channel configuration.

Channel 1 Config.
[close]

Enable: ☒

IP Address:

Port:

Protocol:

Pkt Length:

Null PKT Filter: ☒

Figure-19

When users click “ASI Out” list, users can set one TS out from MPTS 1 to MPTS 16 as the ASI out (ASI out is optional as per the order).

ISDB-T Modulator

me to use Web Management

20

Summary

► Status

Parameters

► Encoder (01-08)

► Encoder (09-16)

► Encoder (17-24)

► TS Config

► Modulator

► IP Stream

► USB Media

System

► Network

► Password

► Configuration

► Firmware

► Date | Time

► Log

1	224.2.2.2	2001	UDP	7	<input checked="" type="checkbox"/>	●	17.6/19.9 M	✎
2	224.2.2.2	2002	UDP	7	<input checked="" type="checkbox"/>	●	13.4/19.9 M	✎
3	224.2.2.2	2003	UDP	7	<input checked="" type="checkbox"/>	●	8.7/19.9 M	✎
4	224.2.2.2	2004	UDP	7	<input checked="" type="checkbox"/>	●	4.4/19.9 M	✎
5	224.2.2.2	2005	UDP	7	<input checked="" type="checkbox"/>	●	17.4/19.9 M	✎
6	224.2.2.2	2006	UDP	7	<input checked="" type="checkbox"/>	●	17.7/19.9 M	✎
7	224.2.2.2	2007	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	✎
8	224.2.2.2	2008	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	✎
9	224.2.2.2	2009	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	✎
10	224.2.2.2	2010	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	✎
11	224.2.2.2	2011	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	✎
12	224.2.2.2	2012	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	✎
13	224.2.2.2	2013	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	✎
14	224.2.2.2	2014	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	✎
15	224.2.2.2	2015	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	✎
16	224.2.2.2	2016	UDP	7	<input checked="" type="checkbox"/>	●	0.0/19.9 M	✎

ASI OUT(OPTION)

ASI Out:

Figure-20

Parameters → USB Media:

Under USB Media page, user can play the TS files from the USB disk. Play Mode is select-able as the below list shows. After playing the files, the programs in the .ts files can be multiplexed out in TS Config page.

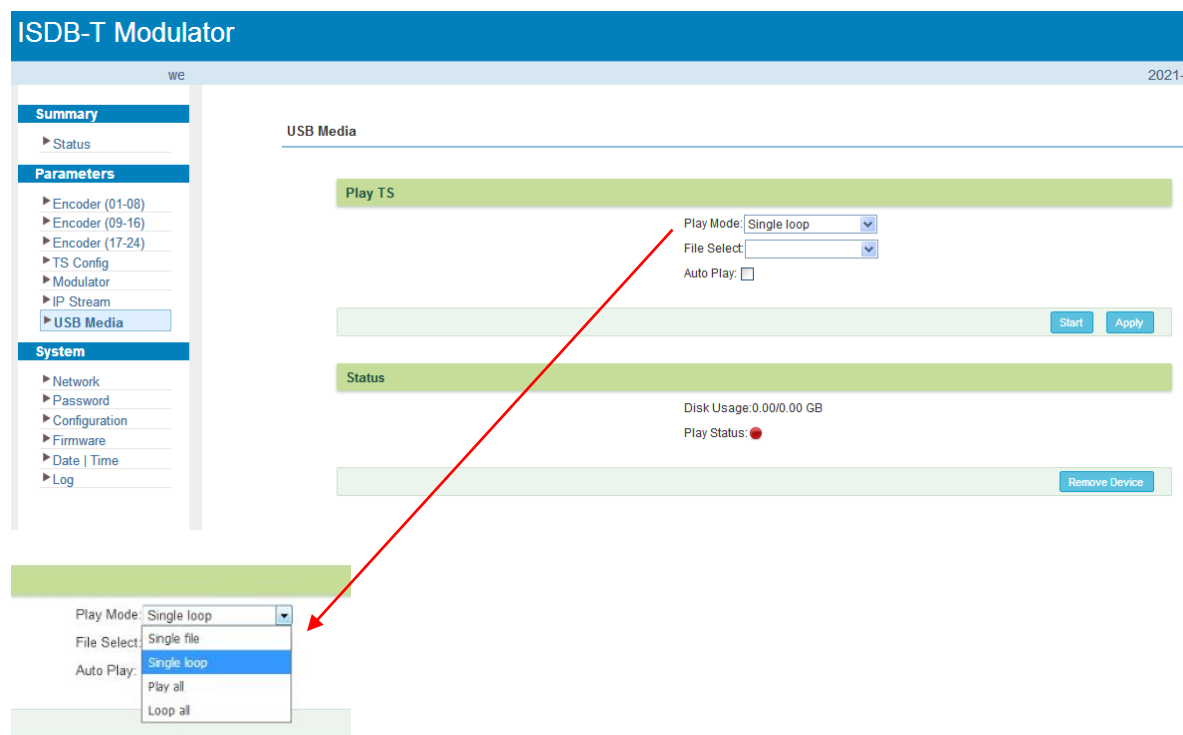


Figure-21

Detailed Explanation:

Play Mode: User can select a play mode for the *.ts files as needed before playing the *.ts file and specify a video under ‘Single file’ / ‘Single loop’ mode and press “Apply” and “Start” button to start play. While under ‘Play all’ / ‘Loop all’ mode, it automatically plays files from first to end. Loop means that it will pay the selected files round.

Auto Play: If ticked, the device will automatically play the .ts files as per the saved setting after reboot.

The .ts files can also be generated by our TS Creator software. If needed, users can contact our technician to get the software.



USB Flash Drive Specifications Required: High Speed 2.0; File System FAT32

System → Network:

Clicking "Network", it displays the interface as Figure-22 where to set network parameters.

ISDB-T Modulator

welcome 2021-

Summary

- Status

Parameters

- Encoder (01-08)
- Encoder (09-16)
- Encoder (17-24)
- TS Config
- Modulator
- IP Stream
- USB Media

System

- Network
- Password
- Configuration
- Firmware
- Date | Time
- Log

Network

NMS

IP Address: 192.168.0.136

Subnet Mask: 255.255.255.0

Gateway: 192.168.68.1

Web Manage Port: 80

MAC Address: 20:21:02:24:10:42

DNS Address: 114.114.114.114

DATA

#	IP Address	Subnet Mask	Gateway	MAC Address	
GE_DATA1	192.168.2.136	255.255.255.0	192.168.2.1	20:31:02:24:10:42	<input type="checkbox"/>

Apply

Figure-22

System → Password:

Clicking “Password”, it displays the screen as Figure-23 where to set the login account and password for the web NMS. Both the current username and password are “admin”.

ISDB-T Modulator

anagement 2021-

Summary

- Status

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Password

Modify the login name and password to make the device safely. If forget the name or password, you can reset it by keyboard. The default login name and password is "admin". Also please note the capital character and lowercase character.

Current UserName: admin

Current Password:

New UserName:

New Password:

Confirm New Password:

Apply

Figure-23

System → Configuration:

Clicking “Configuration”, it displays the screen as Figure-24 where to save/restore/factory setting/ backup/ load your configurations.

ISDB-T Modulator

welcome to use Web Mana

20

Summary

► Status

Parameters

- Encoder (01-08)
- Encoder (09-16)
- Encoder (17-24)
- TS Config
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- Firmware
- Date | Time
- Log

Configuration

[Save](#) [Restore](#) [Factory Set](#) [Backup](#) [Load](#)

When you change the parameter,you should save configuration ,otherwise the new configuration will lost after reboot.

[Save config](#)

ISDB-T Modulator

Web Management

202

Summary

► Status

Parameters

- Encoder (01-08)
- Encoder (09-16)
- Encoder (17-24)
- TS Config
- Modulator
- IP Stream
- USB Media

System

- Network
- Password
- Configuration
- Firmware
- Date | Time
- Log

Configuration

[Save](#) [Restore](#) [Factory Set](#) [Backup](#) [Load](#)

Load latest saved configuration,after click the "Restore" then please click the "Save config" button,otherwise the "Restore" parameter will lost after reboot.

[Restore](#)

ISDB-T Modulator

welcome to

2021

Summary

► Status

Parameters

- Encoder (01-08)
- Encoder (09-16)
- Encoder (17-24)
- TS Config
- Modulator
- IP Stream
- USB Media

System

- Network
- Password
- Configuration
- Firmware
- Date | Time
- Log

Configuration

[Save](#) [Restore](#) [Factory Set](#) [Backup](#) [Load](#)

Set all configuration back to default, after click the "Factory Set" then please click the "Save config" button,otherwise the default parameter will lost after reboot.

[Factory set](#)

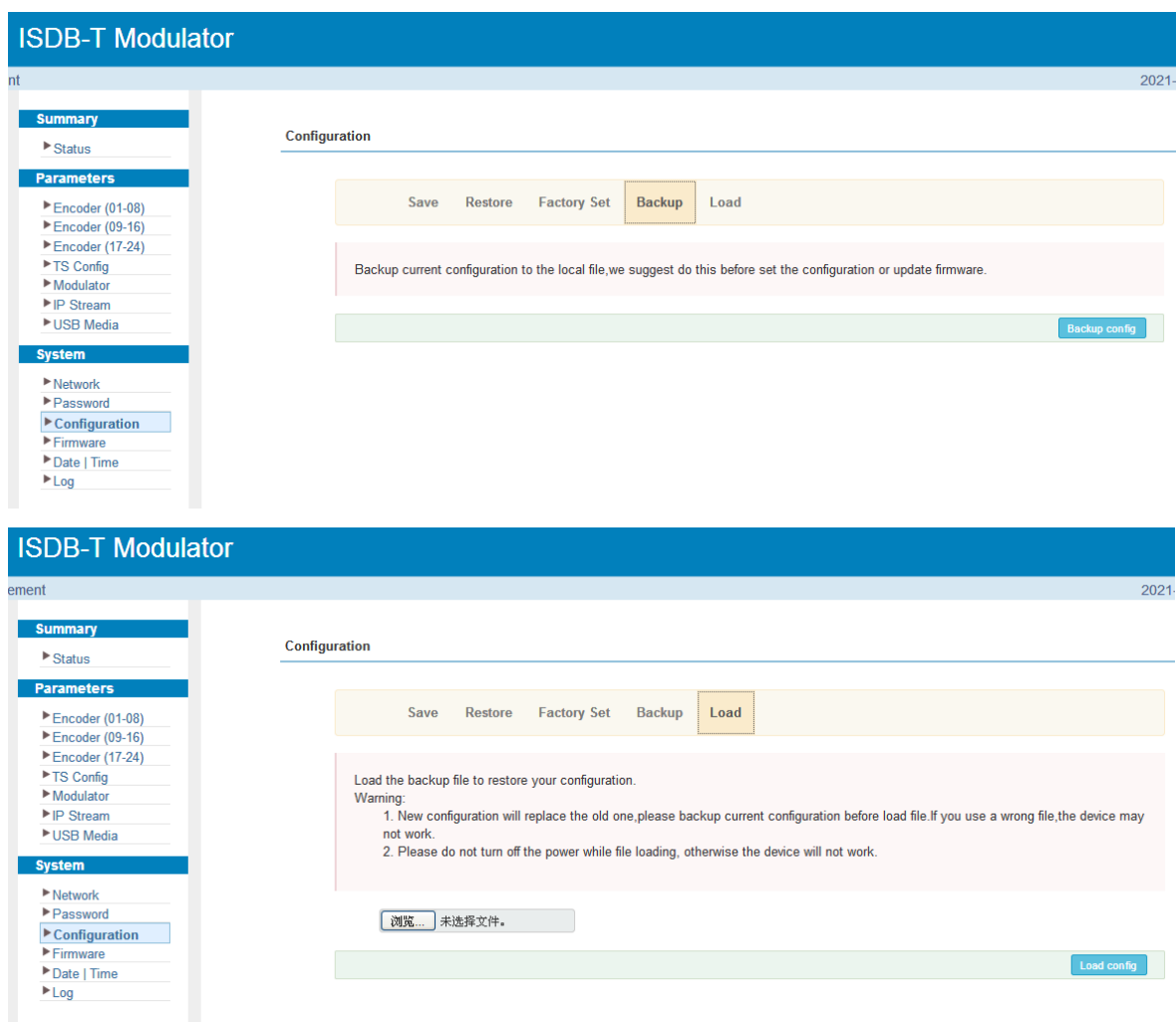


Figure-24

System → Firmware:

Clicking “Firmware”, it displays the screen as Figure-25 where to update firmware for the modulator.



Figure-25

System→ Date/Time:

From the menu on left side of the webpage, clicking “Date/Time”, it will display the screen as Figure-26 where to set date and time for the device.

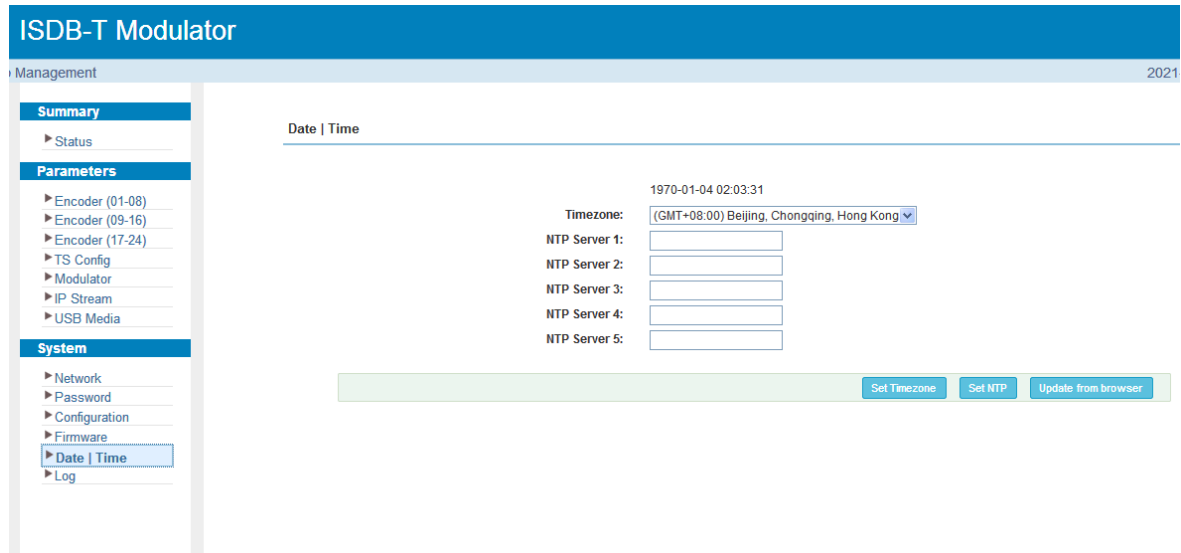


Figure-26

System→ Log:

Clicking “Log”, it displays the log interface as Figure-27 where to check or export the Kernel/System log.

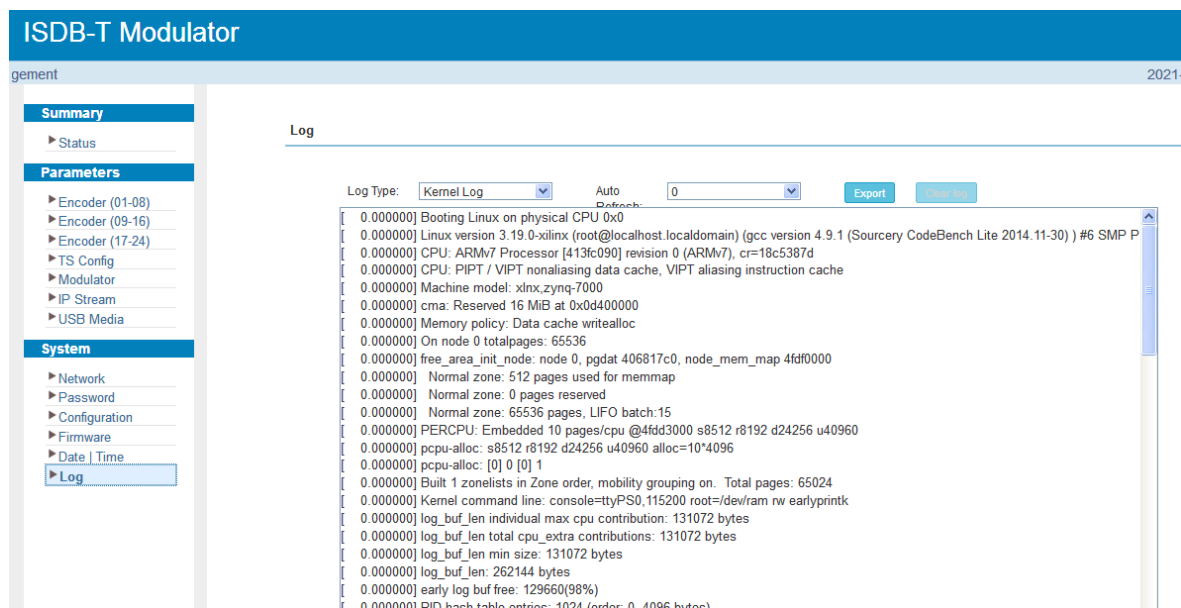


Figure-27

Chapter 4 Troubleshooting

DEXIN's ISO9001 quality assurance system has been approved by CQC organization. For guarantee the products' quality, reliability and stability. All DEXIN products have been passed the testing and inspection before ship out factory. The testing and inspection scheme already covers all the Optical, Electronic and Mechanical criteria which have been published by DEXIN. To prevent potential hazard, please strictly follow the operation conditions.

Prevention Measure

- Installing the device at the place in which environment temperature between 0 to 45 °C
- Making sure good ventilation for the heat-sink on the rear panel and other heat-sink bores if necessary
- Checking the input AC within the power supply working range and the connection is correct before switching on device
- Checking the RF output level varies within tolerant range if it is necessary
- Checking all signal cables have been properly connected
- Frequently switching on/off device is prohibited; the interval between every switching on/off must greater than 10 seconds.

Conditions need to unplug power cord

- Power cord or socket damaged.
- Any liquid flowed into device.
- Any stuff causes circuit short
- Device in damp environment
- Device was suffered from physical damage
- Longtime idle.
- After switching on and restoring to factory setting, device still cannot work properly.
- Maintenance needed

Chapter 5 Packing List

NDS3536S Encoder Modulator	1pc
HDMI Cables	8/16/24pcs
Power Cord	1pc