

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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Chapter 1 Introduction

1.1 Product Overview

SFT3536S 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 DVB-C RF out with 12 non-adjacent carriers, and supports 12 MPTS as mirror of 12 carriers through the GE port and 1 ASI out (optional) 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

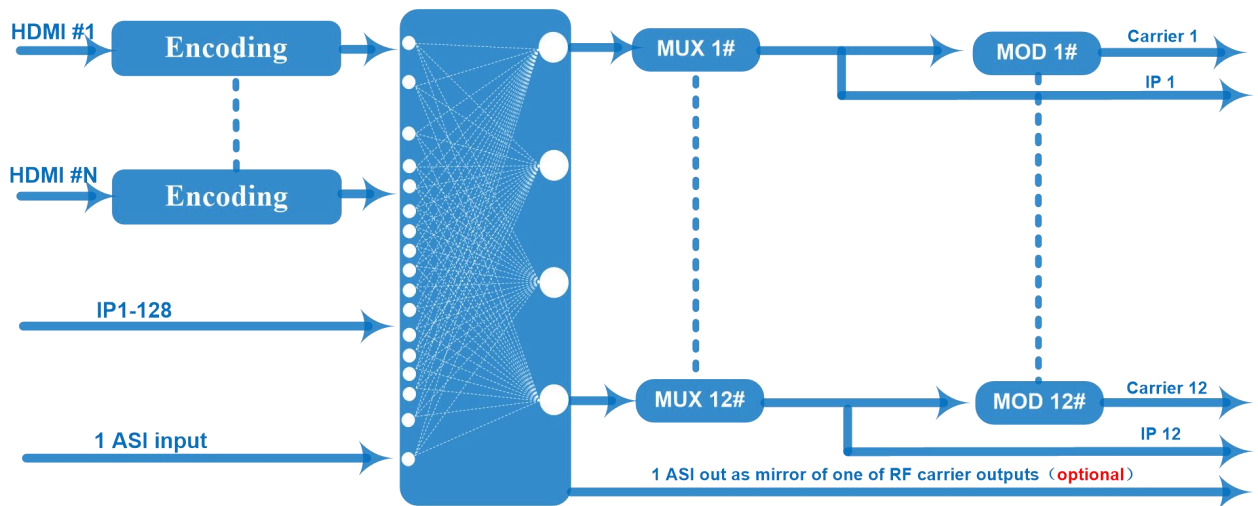
- **8/16/24 HDMI inputs, MPEG-4 AVC/H.264 Video encoding**
- **1 ASI input for re-mux**
- **1 USB Player (Insert the USB Flash drive with “xxx.ts” videos in SFT3536S and play back the content in an easy way; file system FAT 32.)**
- **128 IP input over UDP and RTP via GE port**
- **Each carrier out channel 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 12 groups multiplexing/DVB-C modulating**
- **Support 1 ASI out as mirror of one of RF output carriers---Optional**
- **Support 12 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	DVB-C	QAM Channel	12 non-adjacent carriers output (maximum bandwidth 192MHz)	
		Standard	EN300 429/ITU-T J.83A/B	
		MER	≥40db	
		RF frequency	50~960MHz, 1KHz step	
		RF output level	-20~+3dbm, 0.1db step	
		Symbol Rate	5.0Msps~7.0Msps, 1ksps stepping	
			J.83A	J.83B
		Constellation	16/32/64/128/256QAM	64/256 QAM
		Bandwidth	8M	6M

Stream output	1 ASI output as mirror of one of RF output carriers(Optional) 12 MPTS output over UDP and RTP/RTSP as mirror of 12 DVB-C 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.

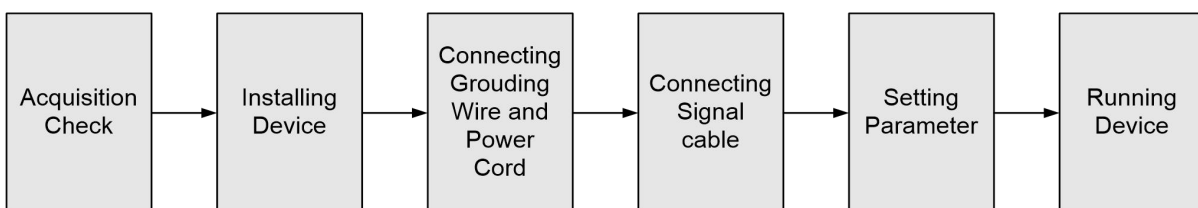
2.1 General Precautions

- ✓ 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: $1 M\Omega$ (Floor bearing should be greater than $450 Kg/m^2$)
Environment Temperature	5~40°C(sustainable), 0~45°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 $110V \pm 10\%$, 50/60Hz or AC $220V \pm 10\%$, 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 mm^2 .

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.

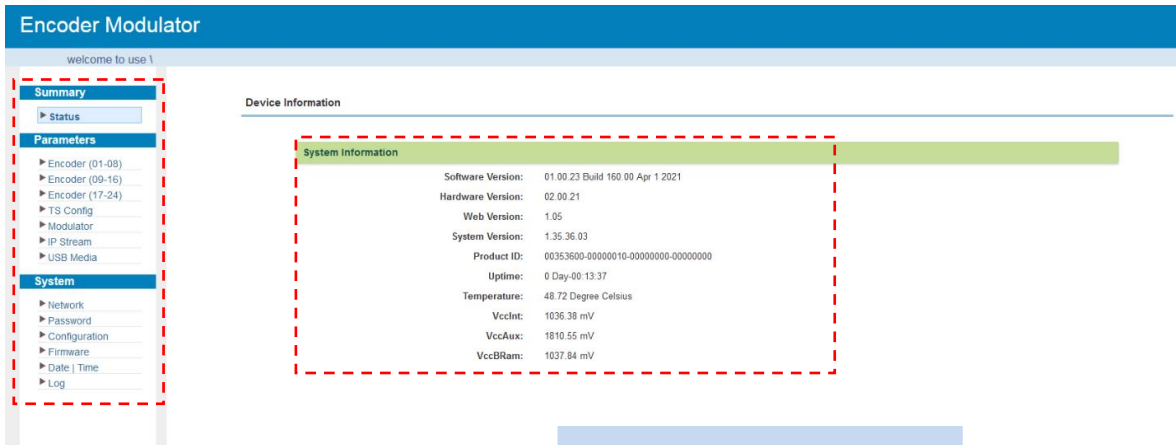


Figure-1

3.2 Operation

Summary → Status

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



User can click any item here to enter the corresponding interface to check information or set the parameters.

Current software version information

Figure-2

Parameters → Encoder(01-08)

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

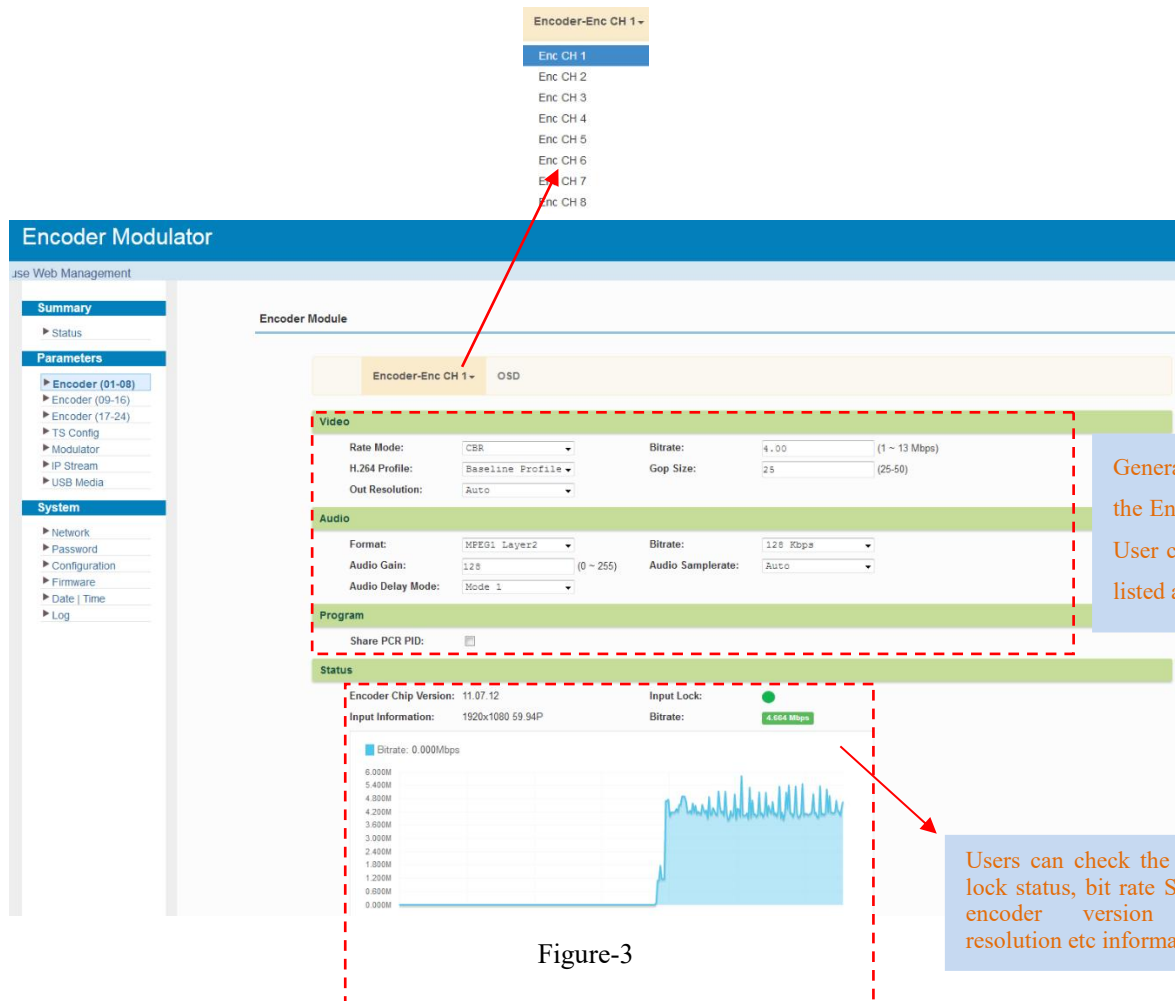


Figure-3

Encoder(01-08) → OSD:

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

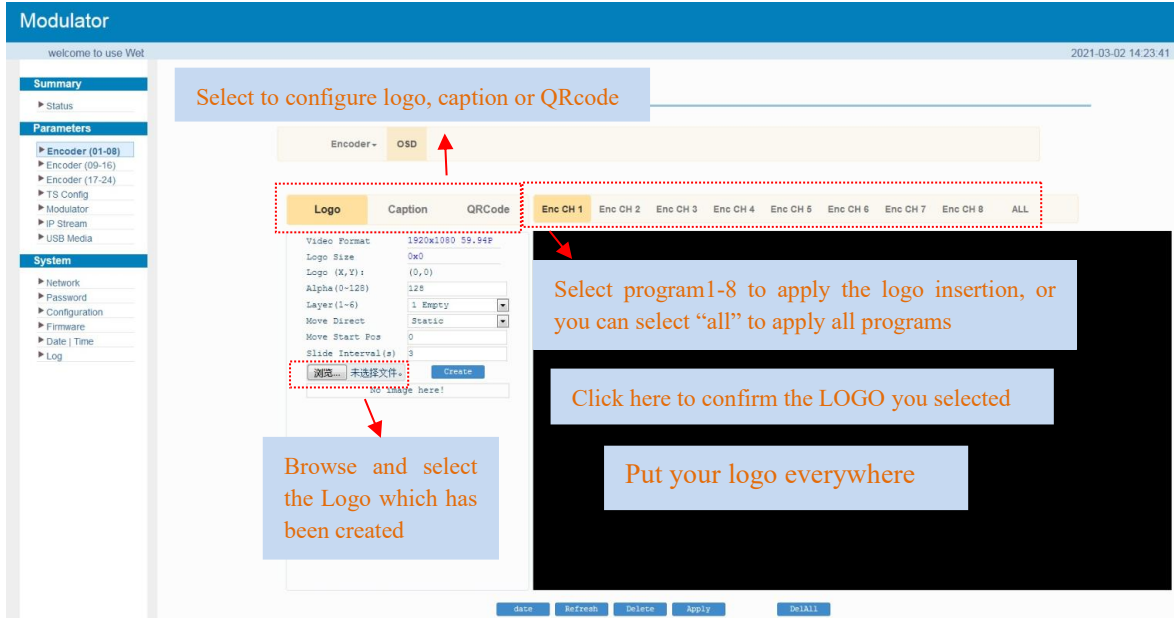


Figure-4

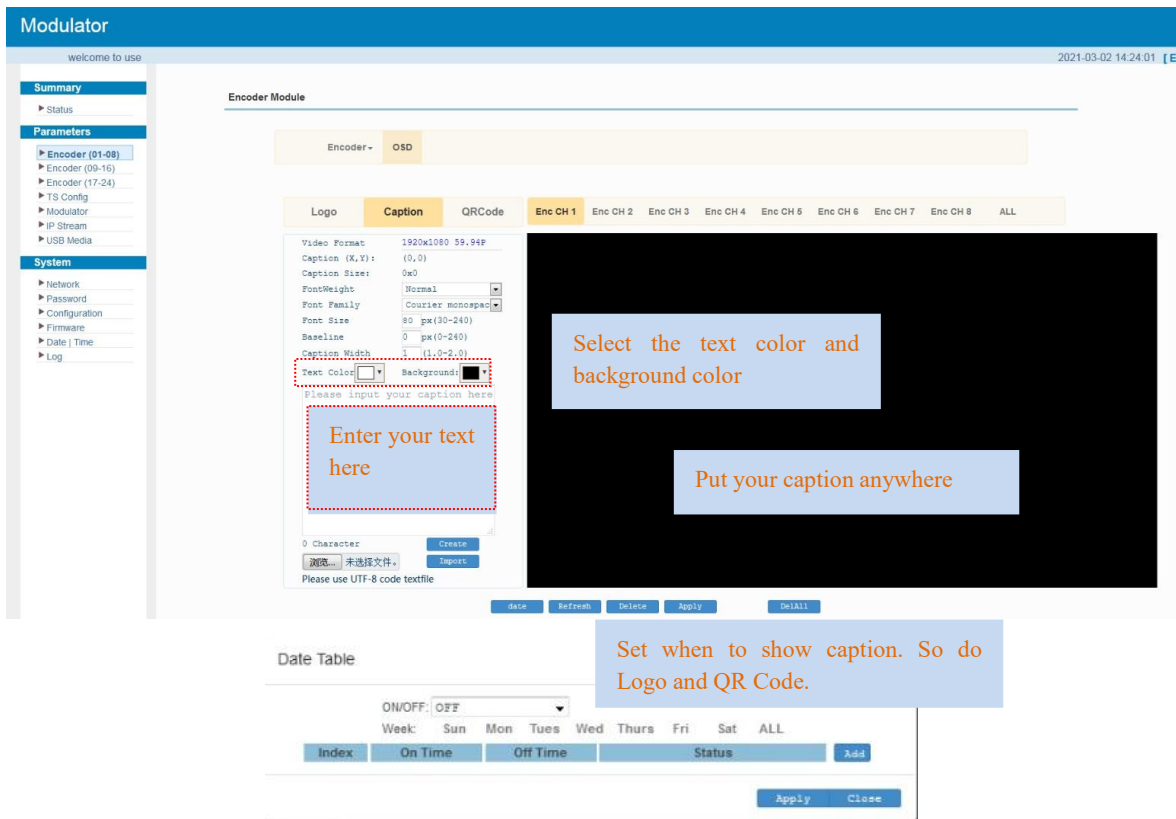


Figure-5

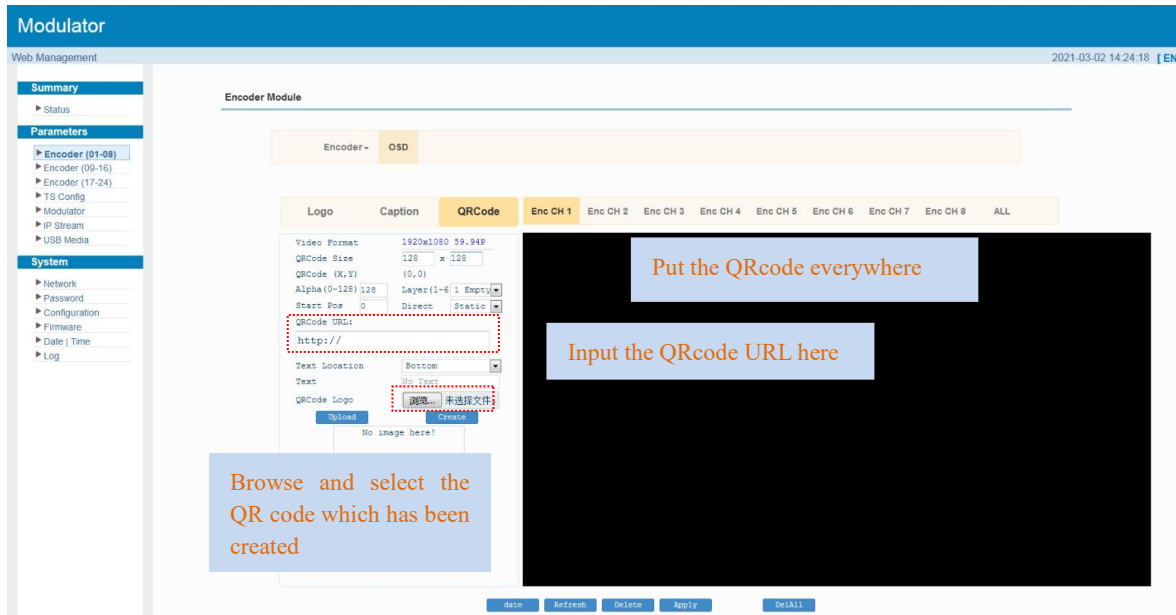


Figure-6

Parameters → Encoder(09-16)

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

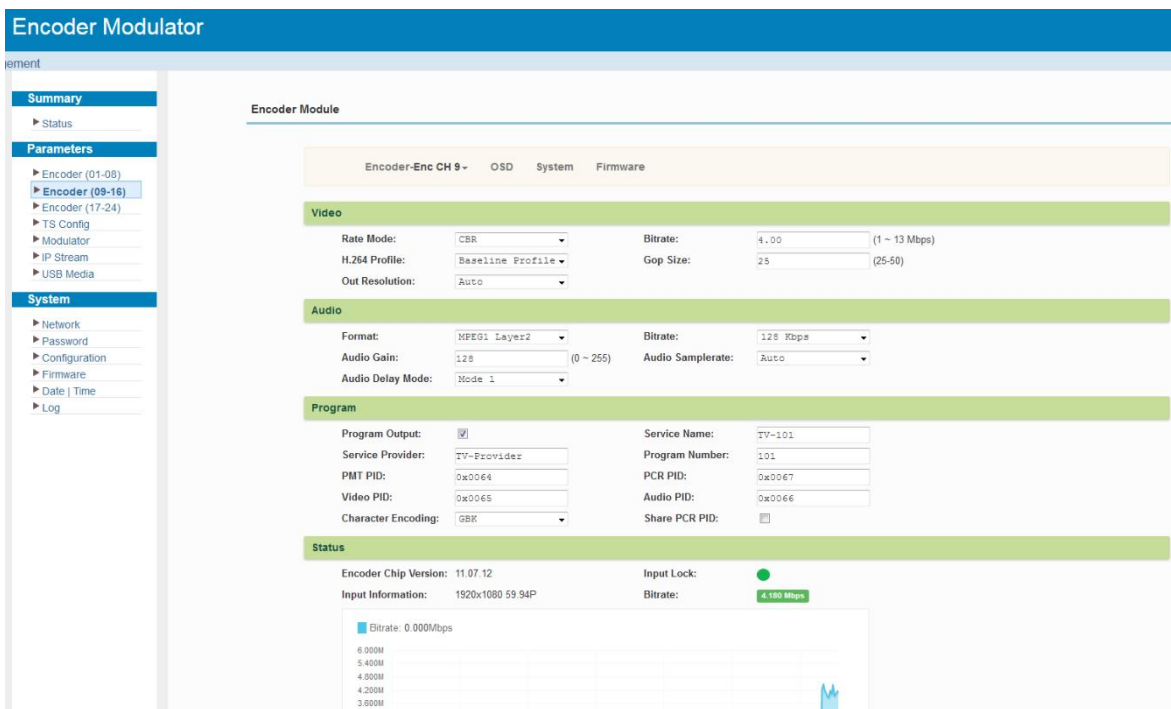


Figure-7

Encoder (09-16) → OSD

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

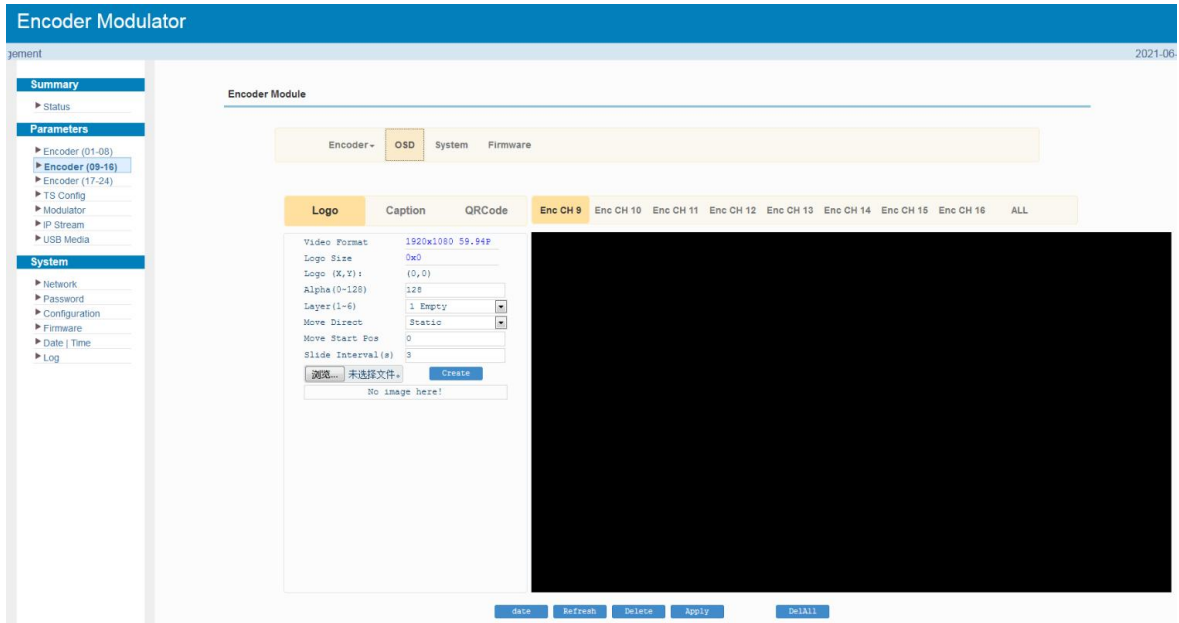


Figure-8

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.

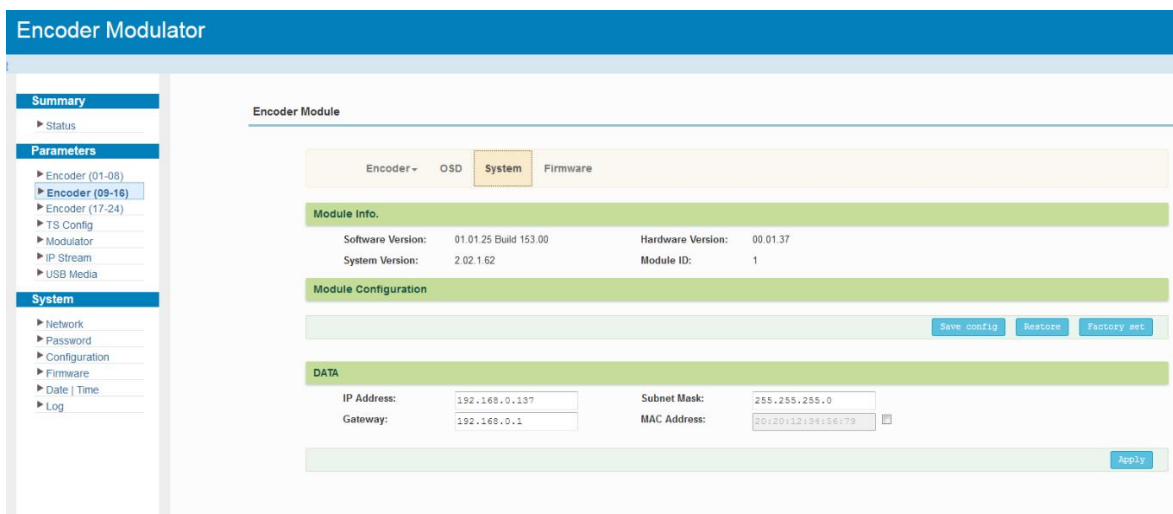


Figure-9

Encoder (09-16) → Firmware

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

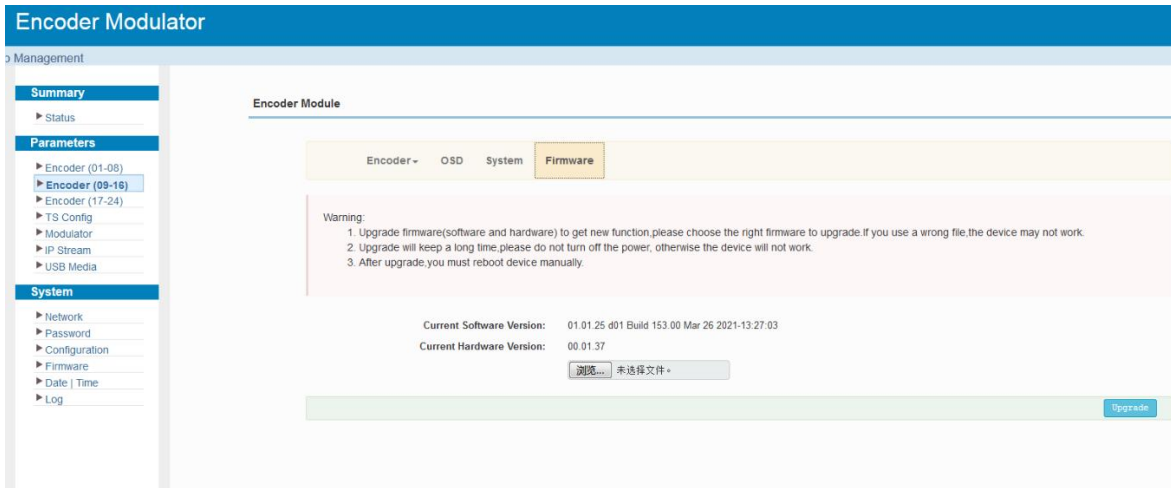


Figure-10

Parameters → Encoder(17-24)

Encoder (17-24) shares the same configuration steps with encoder (09-16).

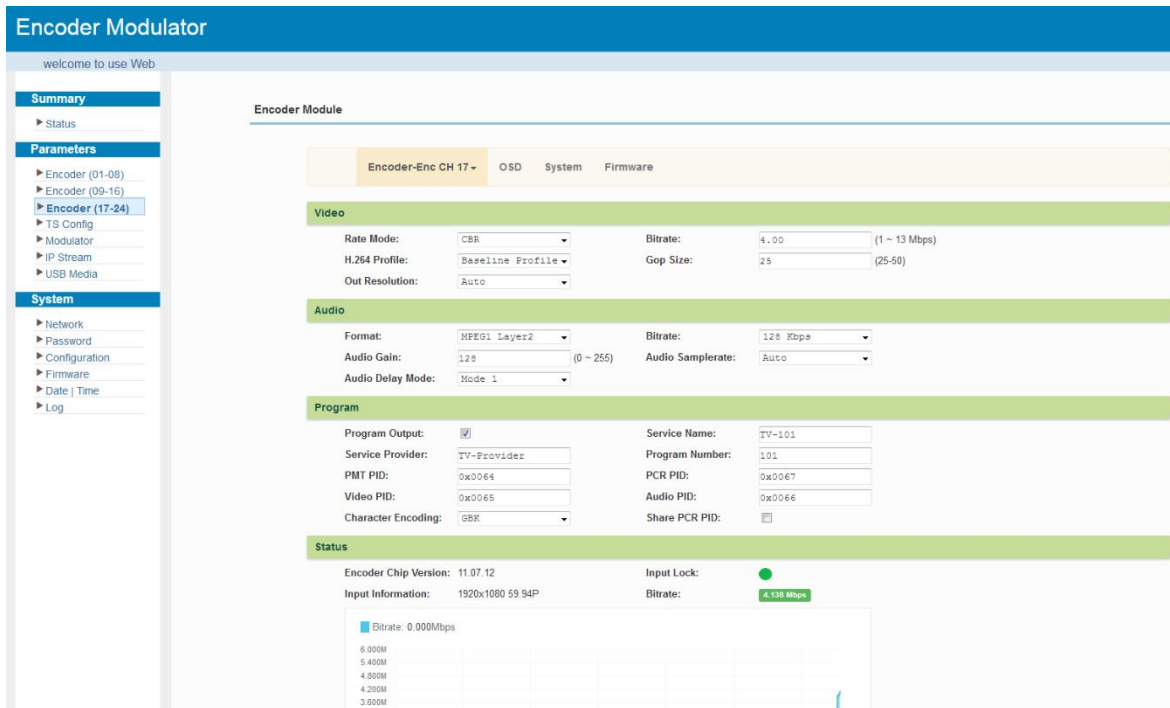


Figure-11

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)

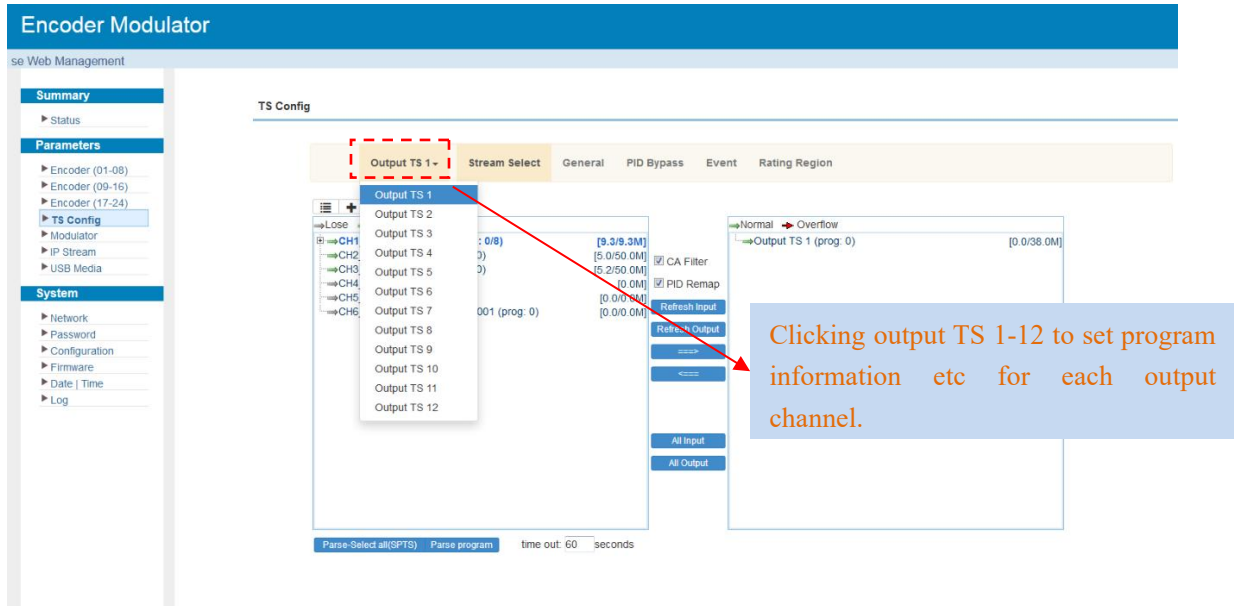
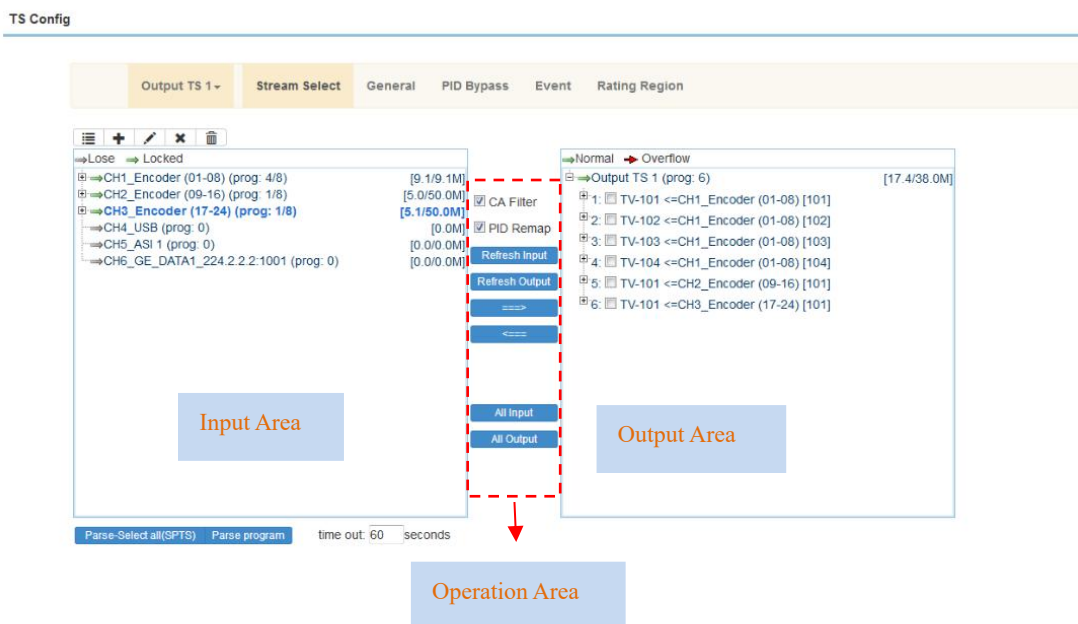


Figure-12

➤ **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)



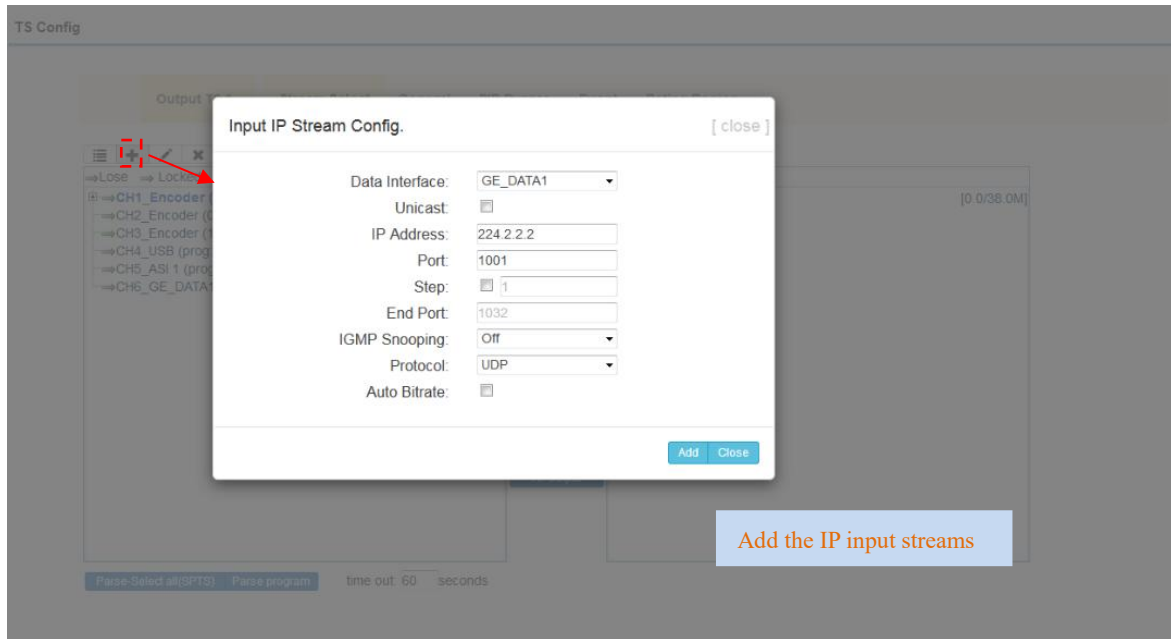


Figure-13

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_Encoder (01-08) [101], it triggers a dialog

box (Figure-14) where users can input new information.

Program From Input:	CH1_Encoder (01-08) [101]
Service Name:	TV-101
Major Channel Number:	1
Minor Channel Number:	1
Source Id:	1
Short Name:	prog1
Program Number:	1001
Logic Channel Number:	1
Service Type:	0x01
Service Provider:	TV-Provider
PMT Descriptor Tag:	0x00
PMT Descriptor Data:	(Hex)
PMT PID:	0x0020
PCR PID:	0x0021
MPEG-4 Video PID:	<input checked="" type="checkbox"/> 0x0022
MPEG-1 Audio PID:	<input checked="" type="checkbox"/> 0x0023

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 etc. (Figure-15)

Section	Parameter	Value
Stream	Output Mode:	Mux out
	PAT Insert:	<input checked="" type="checkbox"/>
	PMT Insert:	<input checked="" type="checkbox"/>
	BAT Insert:	<input checked="" type="checkbox"/>
	CAT Insert:	<input checked="" type="checkbox"/>
	TS ID:	1
	PCR Correct:	<input checked="" type="checkbox"/>
	PCR State BW:	3
	Character Encoding:	NORMAL
	PAT Insert:	<input checked="" type="checkbox"/>
NIT	NIT Insert:	Not insert
	Share NIT:	Disable
VCT	VCT Insert:	<input type="checkbox"/>
	VCT Mode:	CVCT
TDT/TOT	TDT/TOT Insert:	<input type="checkbox"/>
	TOT Descriptor Insert:	disable
IPTV Sync(SPTS)	IPTV Sync:	<input type="checkbox"/>
	Sync Period:	300 Sec

Figure-15

➤ **TS Config → PID Bypass:**

Users can bypass the wanted PIDs here.



Figure-16

➤ **TS Config → Event:**

Users can edit the event information for the selected information as the below picture shows.

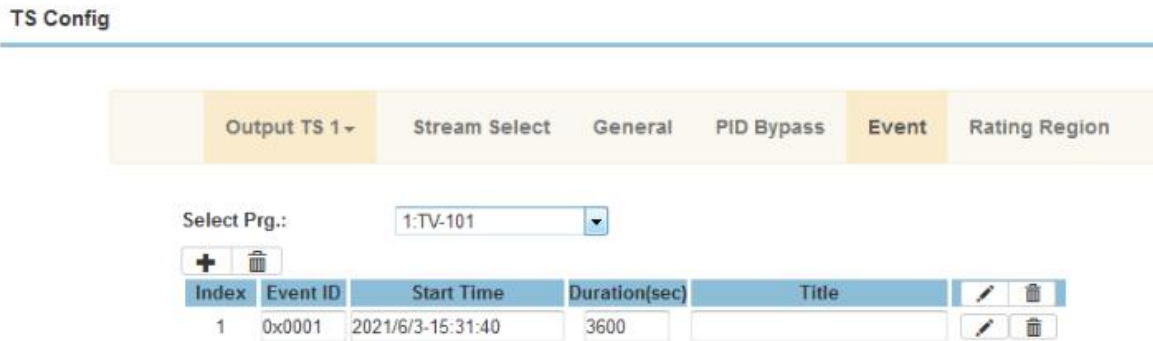
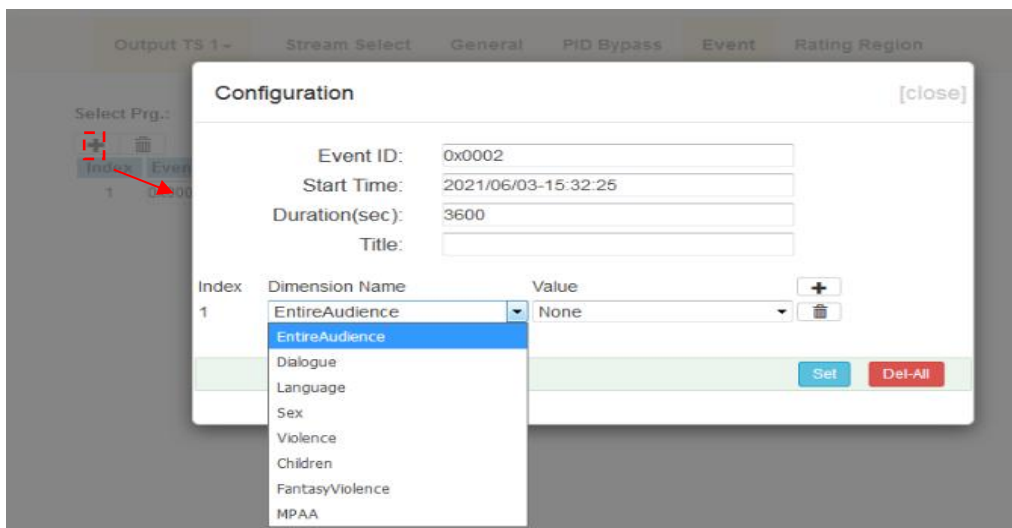


Figure-17



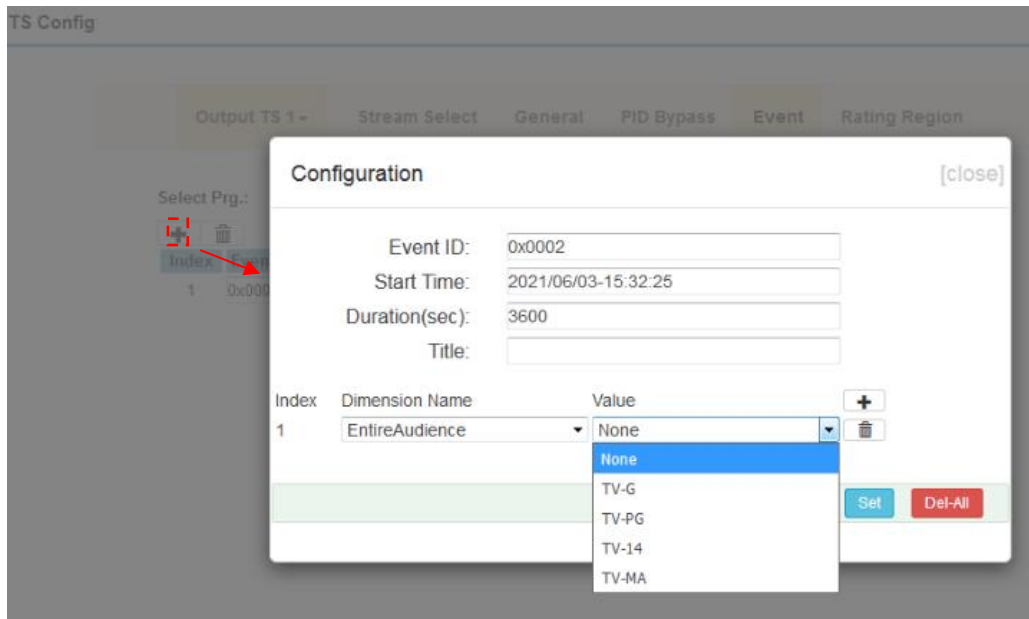


Figure-18

➤ **TS Config → Rating Region:**

Users can edit the Rating Region options for Event as the below picture shows.

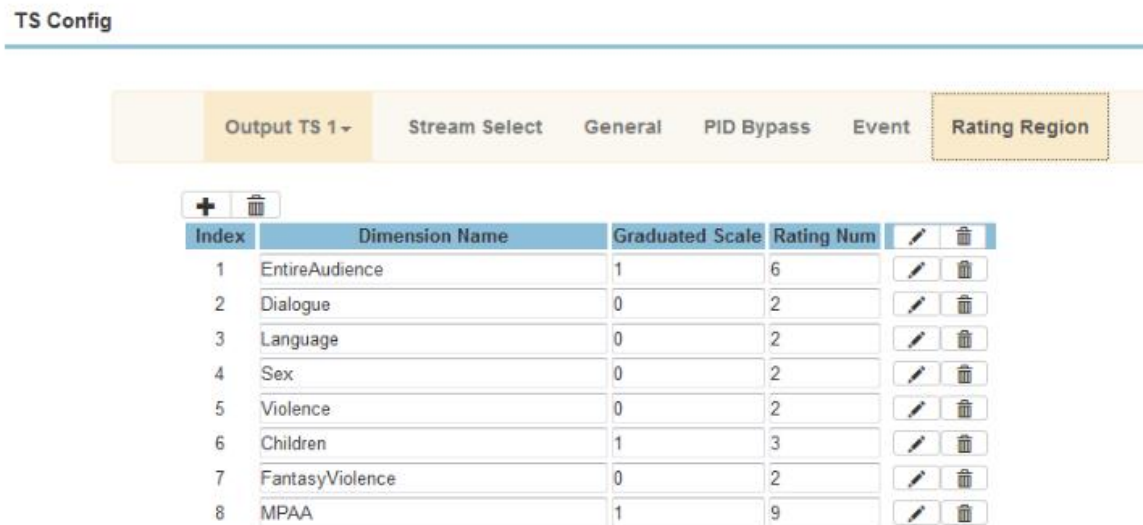


Figure-19

Parameters → Modulator:

Clicking “Modulator”, it displays the Modulator Configuration screen as Figure-20. SFT3536S supports 12 DVB-C frequencies out. Here user can set modulation parameters, such as level and frequency etc.

Encoder Modulator

welcome to use Web M...

- Summary
 - Status
- Parameters
 - Encoder (01-08)
 - Encoder (09-15)
 - Encoder (17-24)
 - TS Config
 - Modulator**
 - IP Stream
 - USB Media
- System
 - Network
 - Password
 - Configuration
 - Firmware
 - Date | Time
 - Log

Modulator

Center Frequency: 694.000 MHz Standard: J.83A(DVB-C)
 Level(All Carriers): 0.0 dBm Channel Info.(Alarm/Active/Total): 0/12/12

#	Frequency	Constellation	Symbol Rate	Gain offset	Status	Bit(Act/Max)
1	650.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	17.2/38.0 M
2	658.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M
3	666.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M
4	674.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M
5	682.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M
6	690.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M
7	698.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M
8	706.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M
9	714.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M
10	722.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M
11	730.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M
12	738.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M

Quickly Config

Channel Config

Quickly Config.

[close]

Standard: J.83A(DVB-C) ▾
 Level(All Carriers): 0.0 (-20 ~ +3 dBm)

Channel Enable:
 Start Frequency: 650.000 (50 ~ 960 MHz)
 Bandwidth: 8.000 MHz
 Constellation: 64 QAM ▾
 Symbol Rate: 6875 (5000 ~ 7000 Ksps)

Apply Close

Channel 1 Config.

[close]

Standard: J.83A(DVB-C) ▾
 Level(All Carriers): 0.0 (-20 ~ +3 dBm)

Channel Enable:
 Frequency: 650.000 (50 ~ 960 MHz)
 Constellation: 64 QAM ▾
 Symbol Rate: 6875 (5000 ~ 7000 Ksps)
 Gain offset: 0.0 (-10 ~ 0 dB)

Apply Close

Figure-20

Parameters → IP Stream:

SFT3536S supports 12 TS to output in IP format through the DATA port under DVB-C modulation.

Clicking “IP Stream”, it displays the interface where to set IP out parameters (Figure-21).

The screenshot shows the 'Encoder Modulator' web interface. The left sidebar contains a menu with 'IP Stream' selected. The main area displays 'IP Stream(GE_DATA1)' with a table of 12 channels. A red dashed box highlights the 'pen' icons in the rightmost column of the table. Two callout boxes, 'Quickly Config' and 'Channel Config', point to these icons.

#	IP Address	Port	Protocol	Pkt Length	Null PKT Filter	Status	Bit(Act/Max)	
1	224.2.2.2	2001	UDP	7	<input type="checkbox"/>	●	19.5/38.0 M	
2	224.2.2.2	2002	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	
3	224.2.2.2	2003	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	
4	224.2.2.2	2004	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	
5	224.2.2.2	2005	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	
6	224.2.2.2	2006	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	
7	224.2.2.2	2007	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	
8	224.2.2.2	2008	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	
9	224.2.2.2	2009	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	
10	224.2.2.2	2010	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	
11	224.2.2.2	2011	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	
12	224.2.2.2	2012	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	

Below the table, there is a section for 'ASI OUT(OPTION)' with a dropdown menu set to 'Output TS1'.

Figure-21

When users click “pen” button, it triggers a dialog box (Figure-22) where users can set the parameters of the corresponding IP output streams.

The 'Quickly Config' dialog box contains the following configuration options:

- Enable:
- IP Address:
- Port:
- Step:
- Protocol:
- Pkt Length:
- Null PKT Filter:

Buttons: Apply, Close

Channel 1 Config. [close]

Enable:
 IP Address:
 Port:
 Protocol:
 Pkt Length:
 Null PKT Filter:

Figure-22

When users click “ASI Out” list, users can set one TS out from MPTS 1 to MPTS 12 as the ASI out (ASI out is optional as per the order).

Encoder Modulator

welcr

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): 0/1/12

#	IP Address	Port	Protocol	Pkt Length	Null PKT Filter	Status	Bit(Act/Max)	
1	224.2.2.2	2001	UDP	7	<input type="checkbox"/>	●	17.9/38.0 M	✎
2	224.2.2.2	2002	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
3	224.2.2.2	2003	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
4	224.2.2.2	2004	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
5	224.2.2.2	2005	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
6	224.2.2.2	2006	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
7	224.2.2.2	2007	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
8	224.2.2	Output TS1	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
9	224.2.2	Output TS2	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
10	224.2.2	Output TS3	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
11	224.2.2	Output TS4	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
12	224.2.2	Output TS5	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
		Output TS6	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
		Output TS7	UDP	7	<input type="checkbox"/>	●	0.0/38.0 M	✎
		Output TS8						
		Output TS9						
		Output TS10						
		Output TS11						
		Output TS12						

ASI OUT(OPTION)

ASI Out:

Figure-23

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.

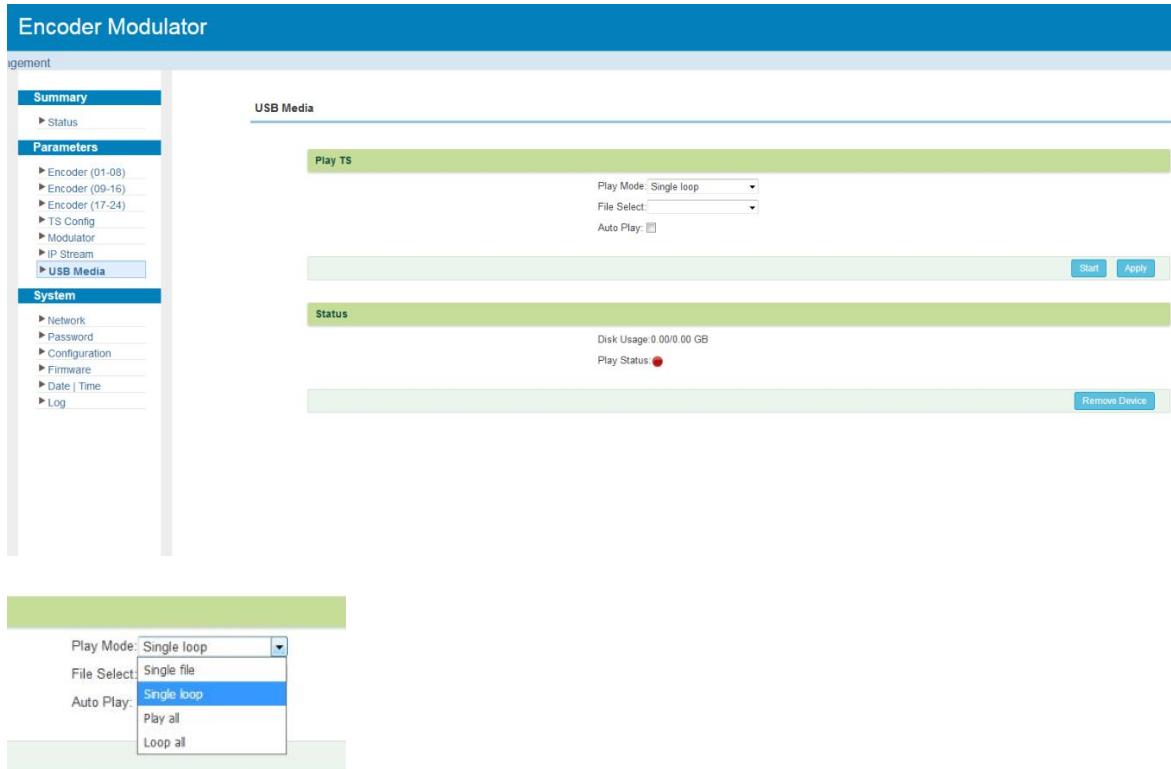


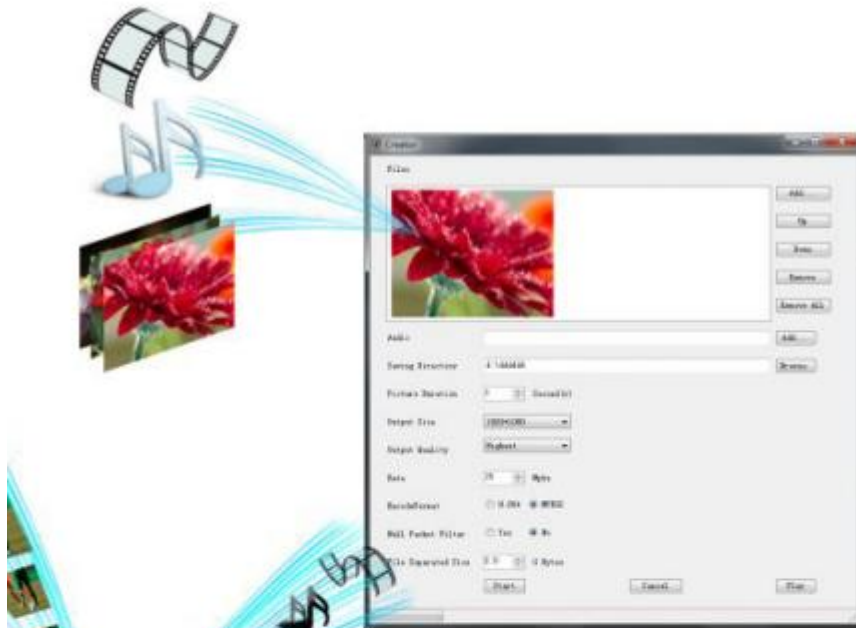
Figure-24

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 play 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.



***.ts Video Creation Software:**

Users can also create *.ts videos containing pictures, videos and music with our creator software on a PC and save them into the USB flash drive.

- Drag the files to "Creator" application. Formats supported include:
Image: JPG, PNG, BMP, GIF
Audio: MP3, WAV
Video: WMV, MPG, MP4, TS, AVI...

- Start the conversion process to generate *.ts videos



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

System → Network:

Clicking "Network", it displays the interface as Figure-25 where to set network parameters.

Encoder Modulator

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

Network

NMS

IP Address:

Subnet Mask:

Gateway:

Web Manage Port:

MAC Address:

DNS Address:

DATA

#	IP Address	Subnet Mask	Gateway	MAC Address
GE_DATA1	192.168.2.136	255.255.255.0	192.168.2.1	2a:20:22:1a:06:14

Figure-25

System → Password:

Clicking “Password”, it displays the screen as Figure-26 where to set the login account and password for the web NMS. Both the current username and password are “admin”.

Encoder Modulator

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

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:

Current Password:

New UserName:

New Password:

Confirm New Password:

Figure-26

System → Configuration:

Clicking “Configuration”, it displays the screen as Figure-27 where to save/restore/factory setting/ backup/ load your configurations.

Encoder Modulator

welcome to use Web Manage

- 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

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

Save config

Web Management 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

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

Restore

Encoder Modulator

welcome to use Web M

- Summary**
 - Status
- Parameters**
 - Encoder (01-08)
 - Encoder (09-16)
 - Encoder (17-24)
 - TS Config
 - Modulator
 - IP Stream
 - USB Media
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 - Network
 - Password
 - Configuration**
 - Firmware
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 - 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

- 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

Backup current configuration to the local file,we suggest do this before set the configuration or update firmware.

Backup config

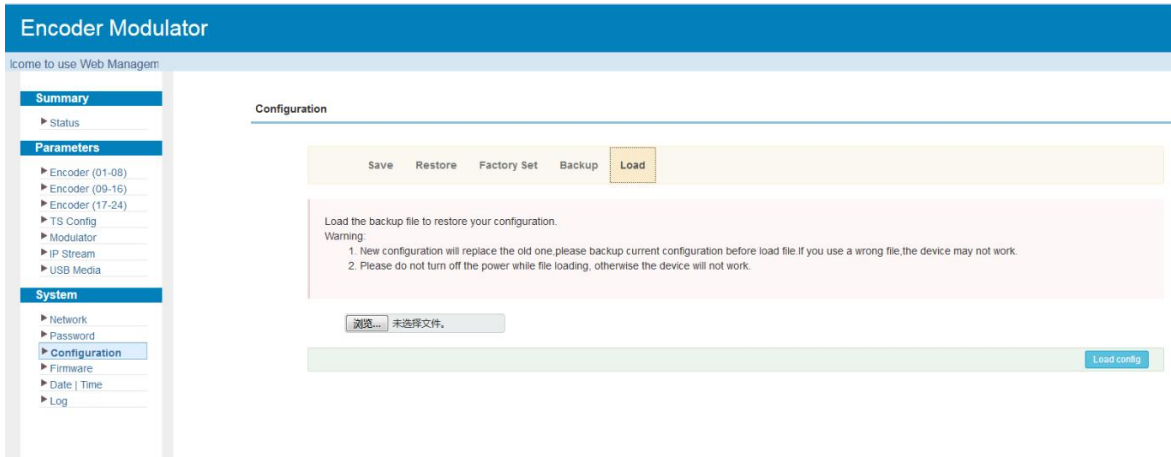


Figure-27

System → Firmware:

Clicking “Firmware”, it displays the screen as Figure-28 where to update firmware for the modulator.

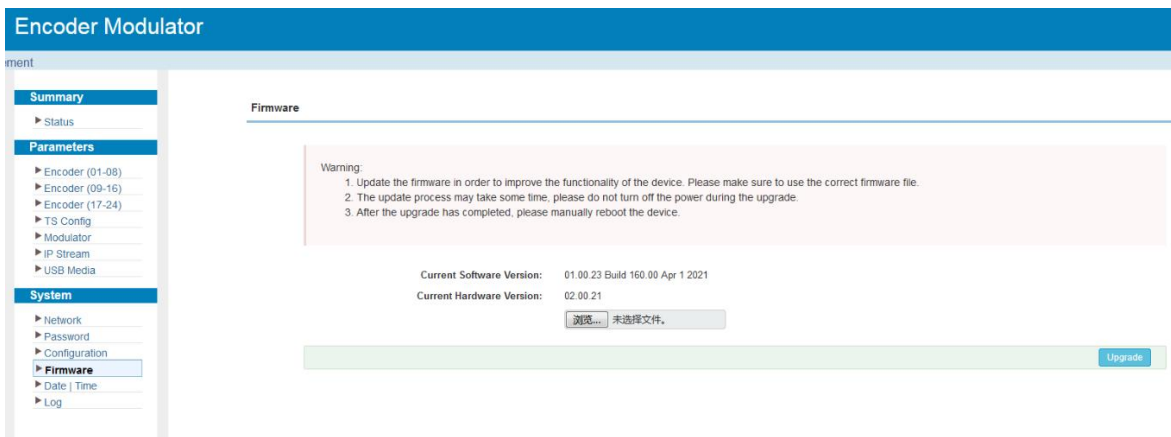


Figure-28

System → Date/Time:

From the menu on left side of the webpage, clicking “Date/Time”, it will display the screen as Figure-29 where to set date and time for the device.

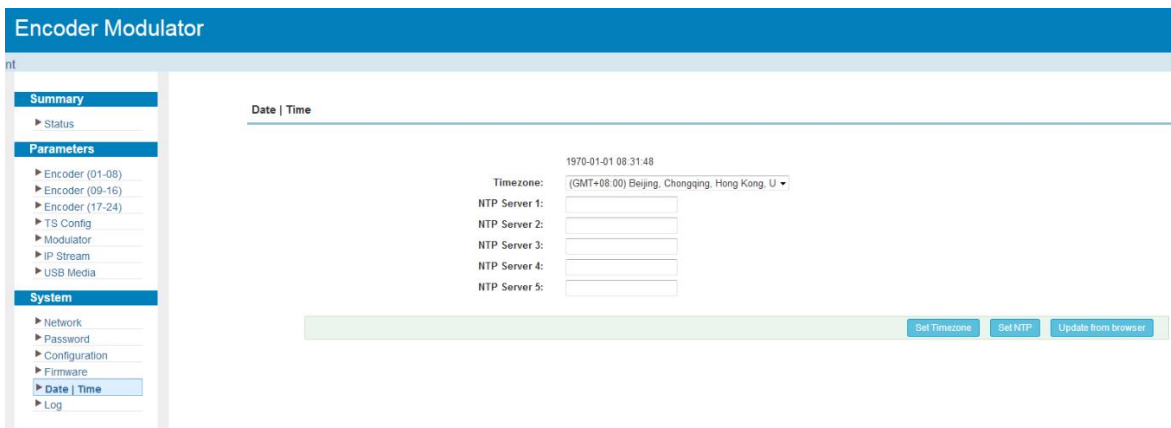


Figure-29

System → Log:

Clicking “Log”, it displays the log interface as Figure-30 where to check or export the Kernel/System log.

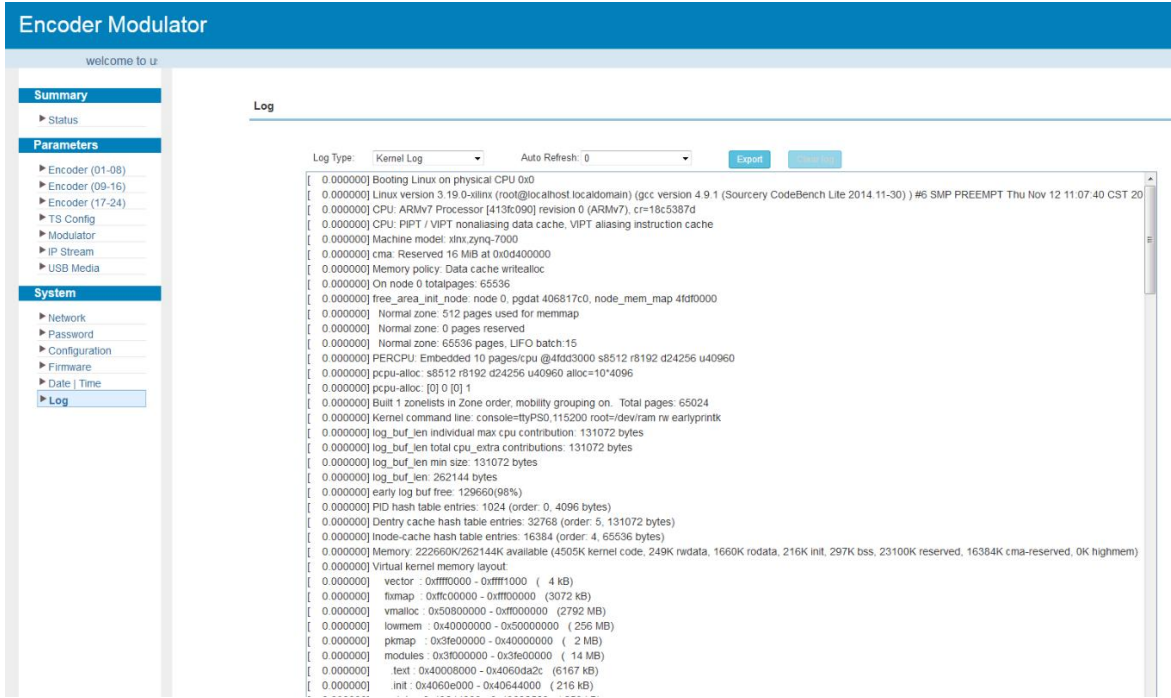


Figure-30

Chapter 4 Troubleshooting

SOFTEL's ISO9001 quality assurance system has been approved by CQC organization. For guarantee the products' quality, reliability and stability. All SOFTEL 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 SOFTEL. 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

SFT3536S Encoder Modulator	1pc
HDMI Cables	8/16/24pcs
Power Cord	1pc
Ground Lead	1pc