HPR4624D

Tuner （PCMCIA card ）
to IP、ASI

Gateway

User's Manual

V1.1

HPR4624D

Product Overview

HPR4624D is a professional high integration device which includes tuner demodulation, multiplexing, CAM/card decrambling. It supports 2-12 tuner input**(support different types of tuner (DVB-S2、DVB-C、DVB-T、 ATSC、DTMBT、 ISDBT, etc.) input)**, Support PCMCIA card descrambling, 1000M IP output, MPTS and SPTS output 。 In conclusion, its high integrated and cost-effective design makes the device widely used in varieties of digital distribution systems such as cable TV digital head-end, digital TV broadcasting etc.

Key Features

- Support 2-12 channels PCMCIA card descrambling, single module provides 2 channels (2 Tuner+2 PCMCIA slots), a maximum of 6 modules support a total of 12 PCMCIA card channels.

  the tuner supports (**DVB-S2/DVB-C/DVB-T/ATSC/ISDBT/DTMBT**)
- 1000M IP output over UDP and RTP protocol (8 MPTS and 512 SPTS)
- 2 ASI inputs and 2 ASI Independent output
- Support "Null PKT Filter" function
- Support PID Remapping/ PCR accurate adjusting
- PID pass
- LCD、key function
- Control via web management, and easy updates via web

Technical Specification

input	2/4/6/8/10/12 tuner; and the tuner supports (**DVB-S2/DVB-C/DVB-T/ATSC/ISDBT/DMBT**)	
	2 ASI inputs	
output	2 ASI output	
	IP output （512 SPTS and 8 MPTS） IP output over UDP and RTP protocol	
Multiplexing	Maximum PID Remapping	180 output PID per channel
	Function	PID remapping (automatically or manually)
		Accurate PCR adjusting
System function	Network management (WEB)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension(W×L×H)	482mm×410mm×44mm
	weight	5-9 kg
	Environment	0~45℃(work)； -20~80℃(storage)
	Power requirements	AC100~240V，50/60Hz
	Power dissipation	<90W

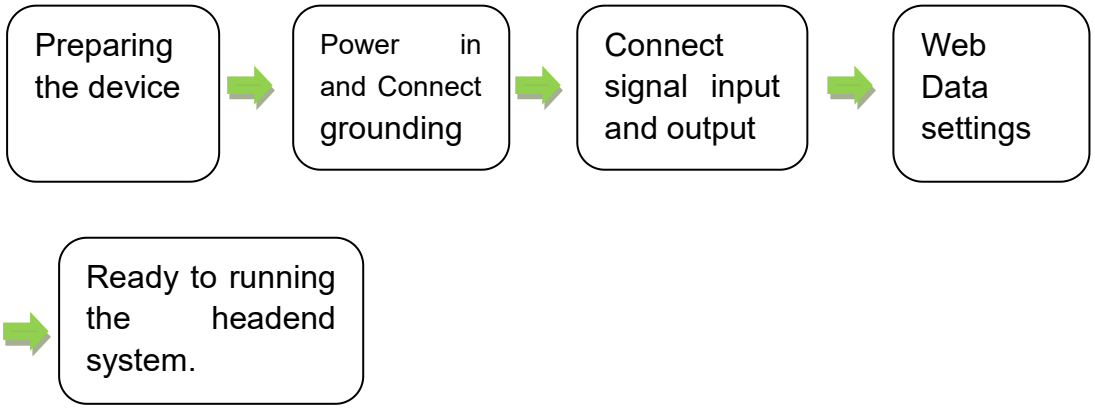
Note: A single module provides 2-channel PCMCIA card descrambling, and supports a maximum of 6 modules with a total of 12 PCMCIA card channels, the number of channels is optional as a multiple of 2.

Front / Rear Panel

1.	LCD Display
2.	Buttons and Indicator lights
3.	ASI
4.	NMS、DATA Input/ output
5.	PCMCIA slots
6.	Tuner input
7.	Power

1 Installation

1.1 Installation process:



1.2 Grounding

The chassis for headend equipment both have to make grounding well, to protect the equipment from Lightning strikes or electricity instability.

1.2.1Web setting connection

Connect the equipment from port "DATA 1/2" to computer by network cable.

2 Web Management

2.1 Description

Web Management is for the control, managing and settings of

the digital headend equipment. The Browser to running the software we suggest is for IE8 or higher version or Firefox.

2.2 Log on the equipment

Open the browser, input IP: 192.168.0.136

Then input the user name and password：

User name：admin.

Password：admin

■ Caution：

1.If fail to connect the computer and headend equipment, please check if the computer and headend equipment are in same IP range.

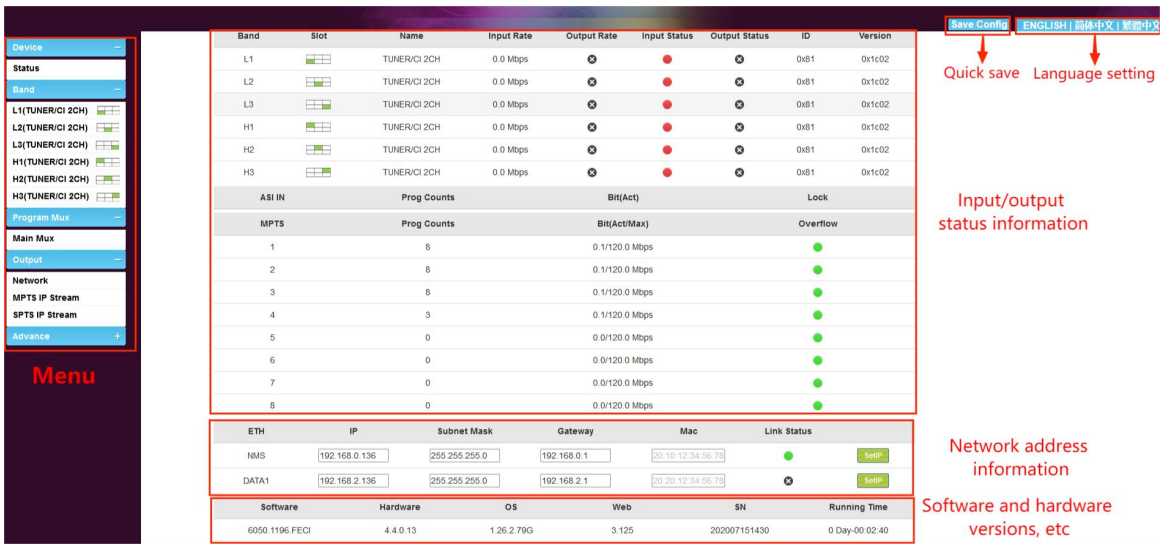
For example: The computer IP is 192.168.99.252,then we may need to set the headend equipment IP to be 192.168.99.xxx (from equipment front panel LCD screen), or to set the computer IP to be same IP range as the equipment. (xxx can be any of 1-254 except"252").

2. From front panel LCD SCREEN you can check the IP address of the headend equipment. The original IP : 192.168.0.136.

2.3.1 Basic instructions

After log on, you will get the following interface.

Tune to English version



Status: shows the basic information like the version of the system.

Input/ output status：shows the signal input and output status.

Software version: the version of the running software

Hardware version: the version of the running hardware

Web version: the running web page version

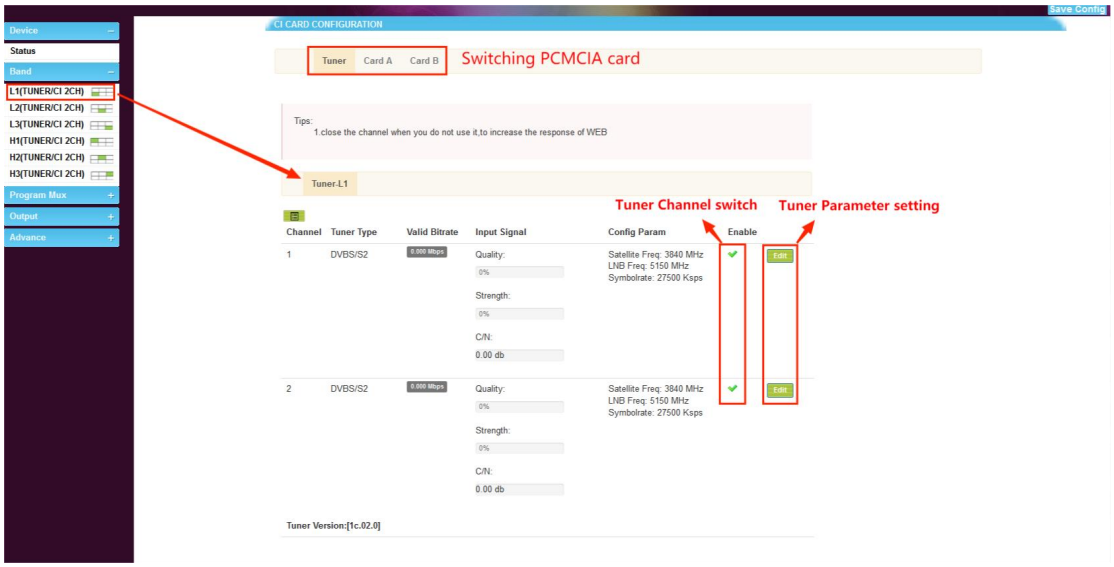
The System: the running system version

Time: the running time

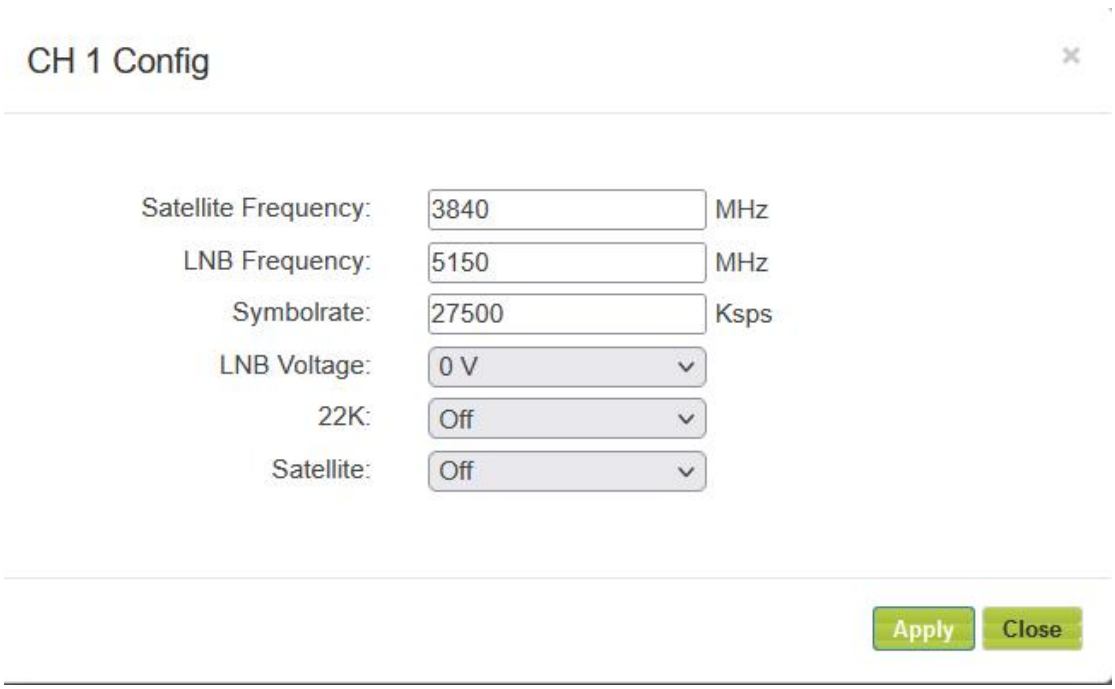
2.3.2 Settings

There are Band settings, Program Mux, and IP stream data under the Settings.

2.3.2.1 Tuner settings



Tuner Parameter，click Edit Set parameters

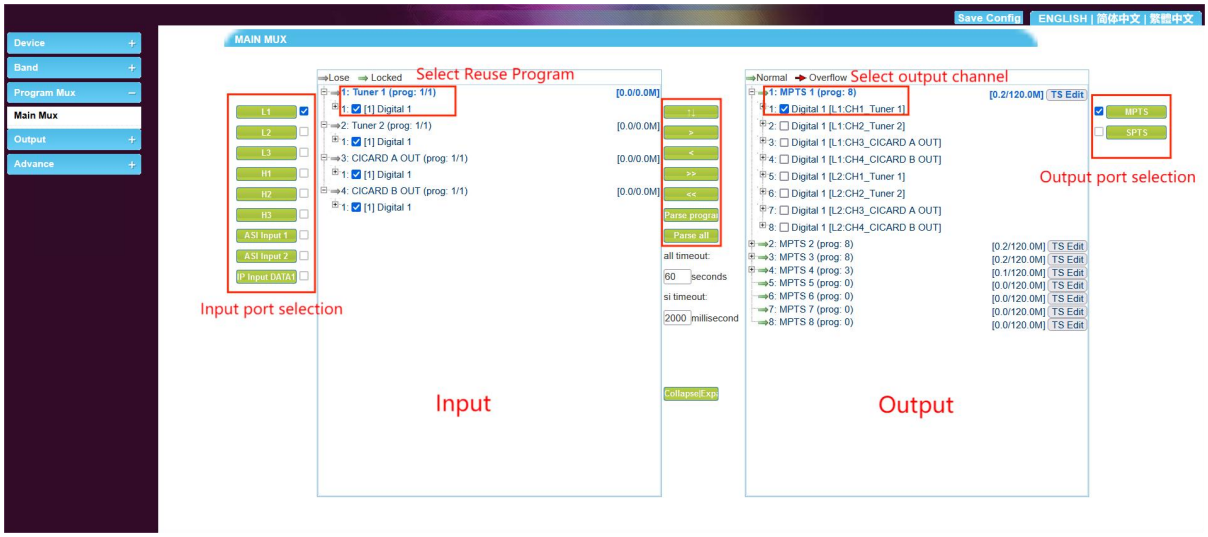


Click "Apply" to save the settings Program Mux

2.3.2.2 Program stream settings

1.Main Mux

Parse Program: After setting the parameters for each input channel of the high-frequency head, lock it, select the input channel "Tuner 1" and other channels, and click Parse progra or Parse all. Resolve program information for all channels.

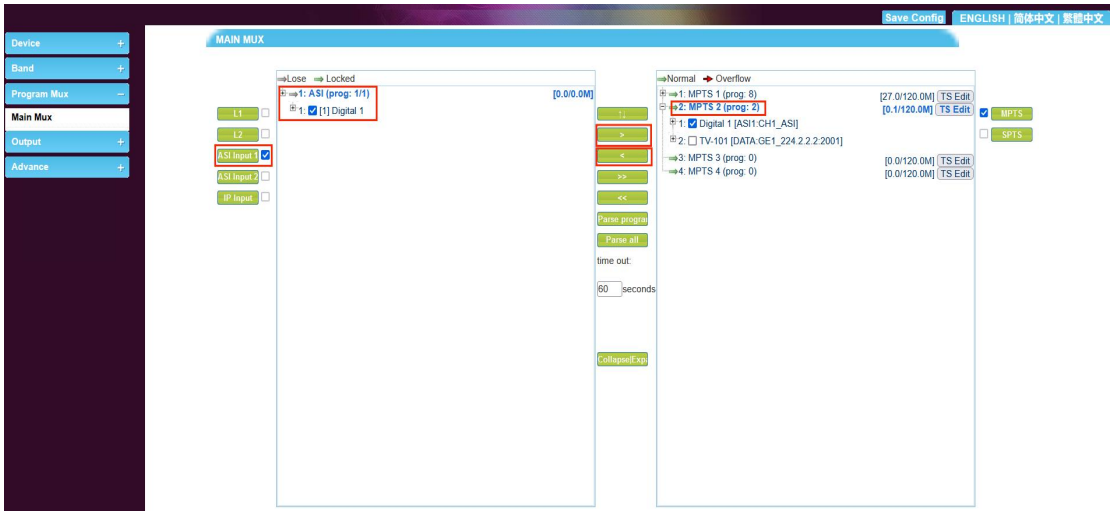


A、Program Edit: First choose the program, tick it "[1] Digital 1", click >, to connect this program to the chosen frequency.

B、Program delete: ：First choose the program, tick it "Digital 1 [L1:CH1_Tuner 1]", click <,to delete this program from this channel

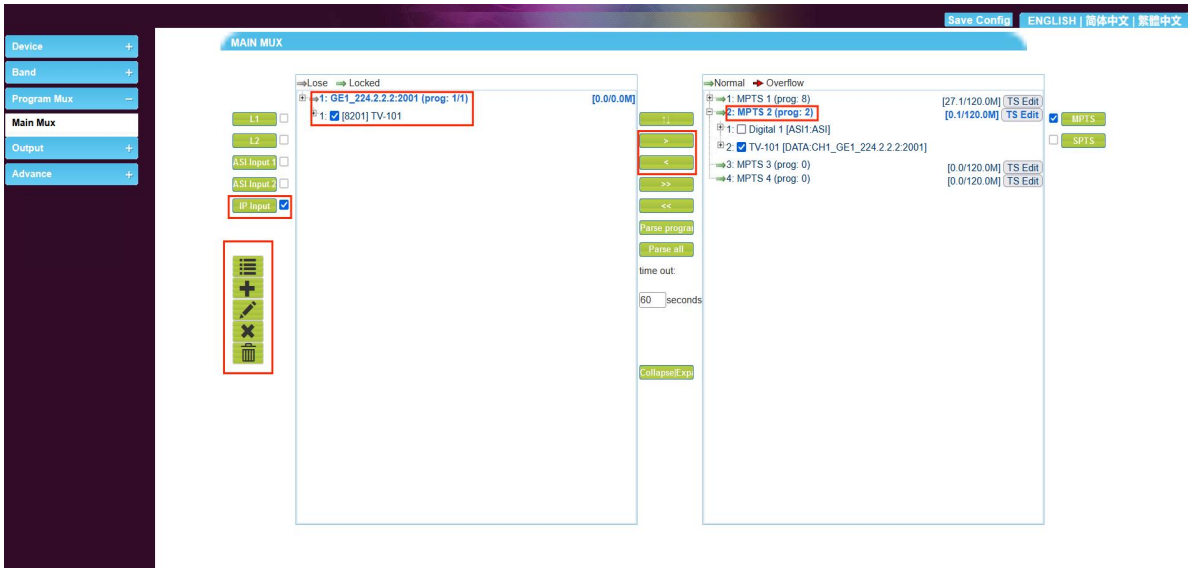
Function description：

2. ASI input Mux



Click "ASI input 1", choose"1：ASI(prog：0)"then click decoding the program and then to choose program to the related channel.

3. IP input

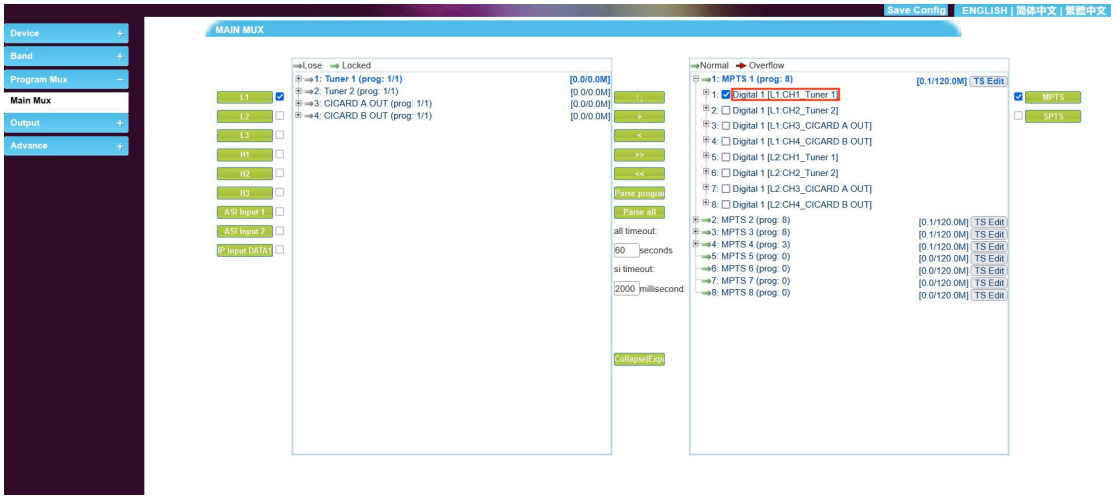


Add, delete, edit and other Settings in this list.

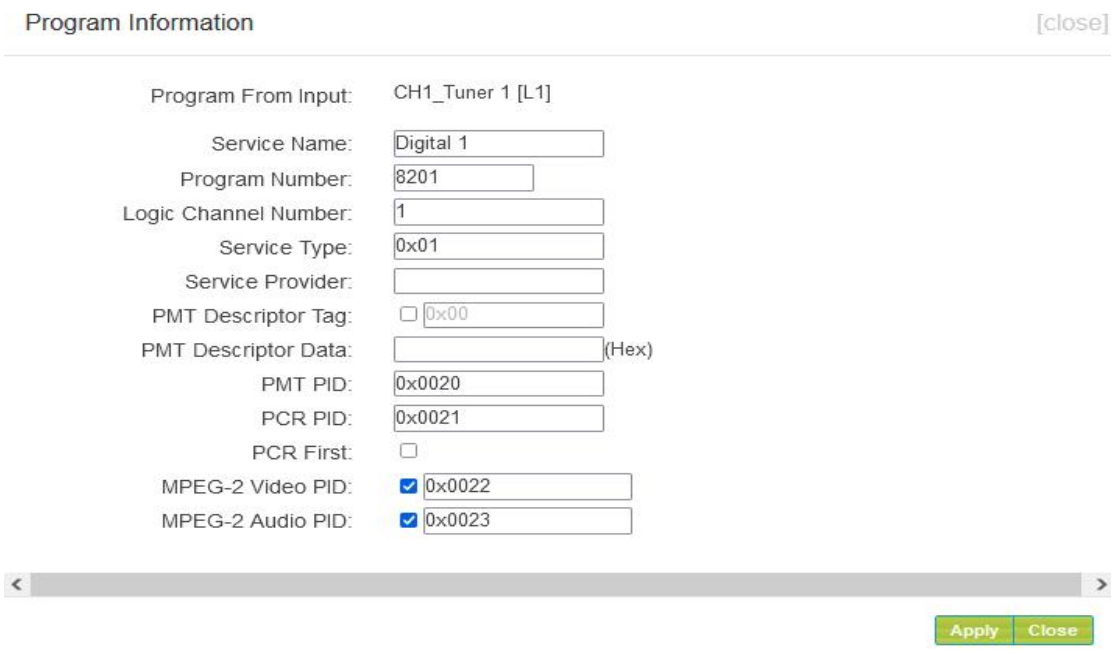
Function description：

4. How to Modify the program data setting

Choose the program you want to edit,as follows:



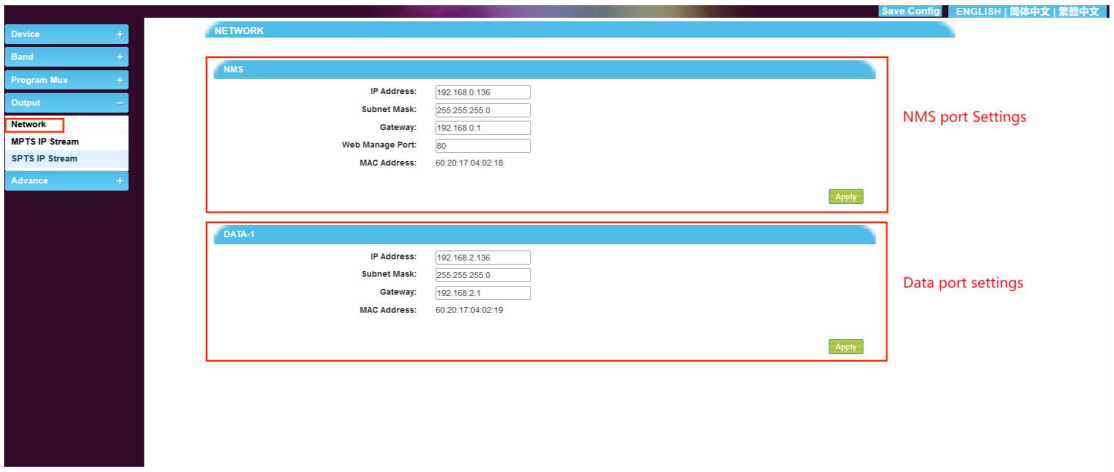
Click Digital 1 [L1:CH1_Tuner 1],You will get the information of the programs:



Click "Apply" to save the settings .

2.3.2.3 Network settings

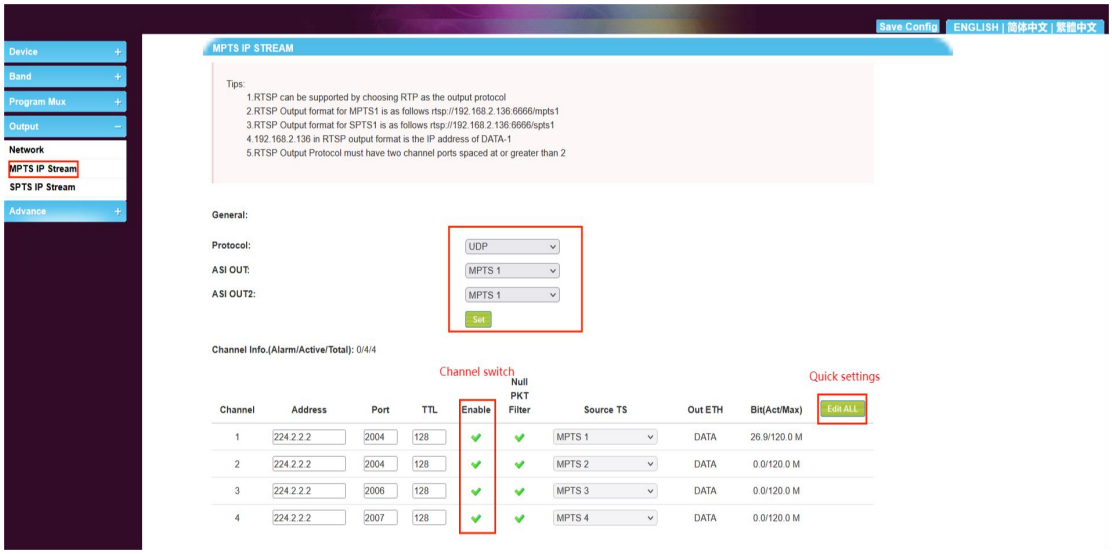
To set or change the IP address of the equipment:



Click "Apply"to save the settings.

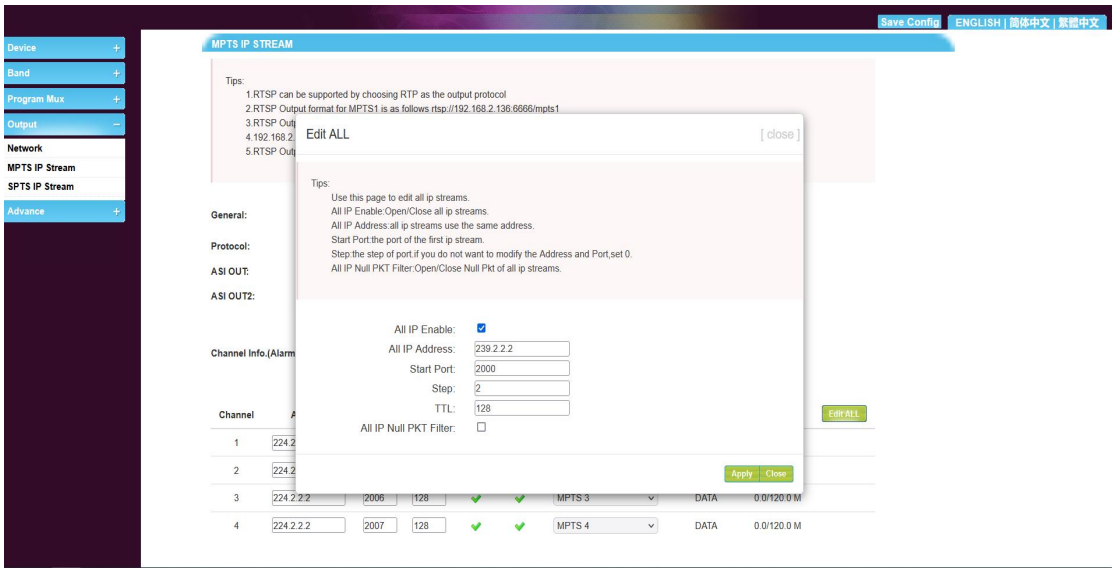
2.3.2.4 MPTS IP stream settings

MPTS IP setting as follows :



Click 

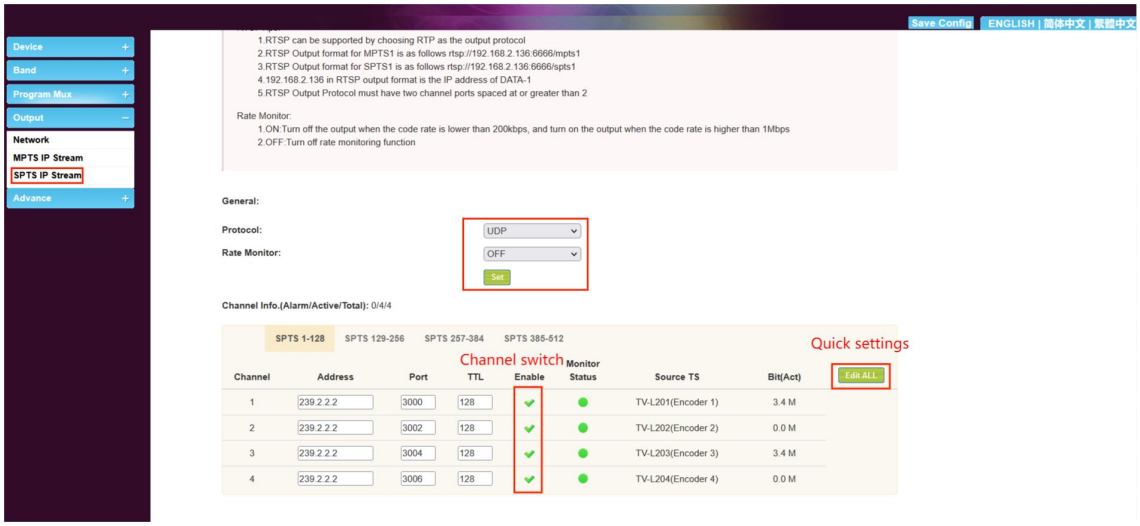
,You will get the information of the programs:



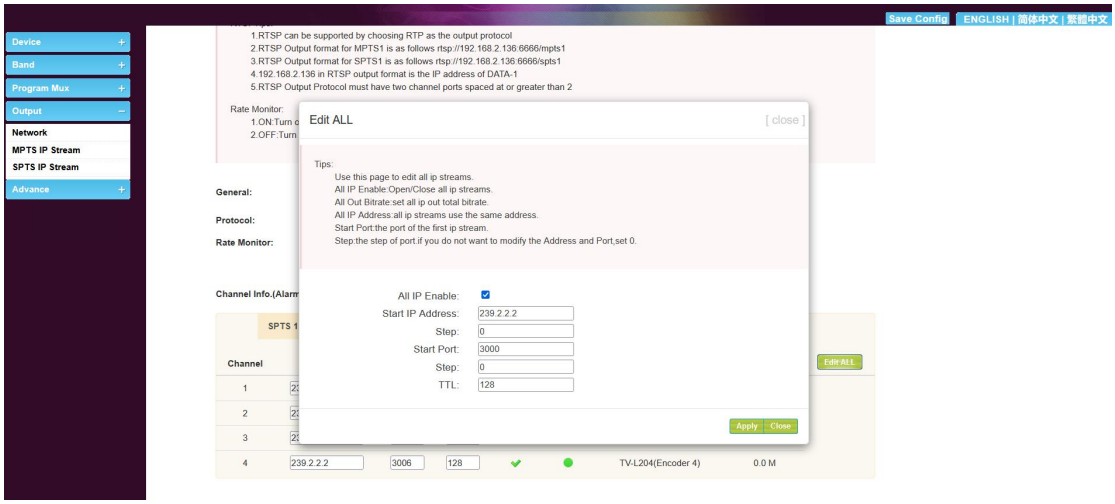
Click "Apply"to save the settings.

2.3.2.5 SPTS IP stream setting

SPTS IP setting as follows :



Click "Edit All"



Click Apply save to save the settings.

2.3.3 Advanced settings

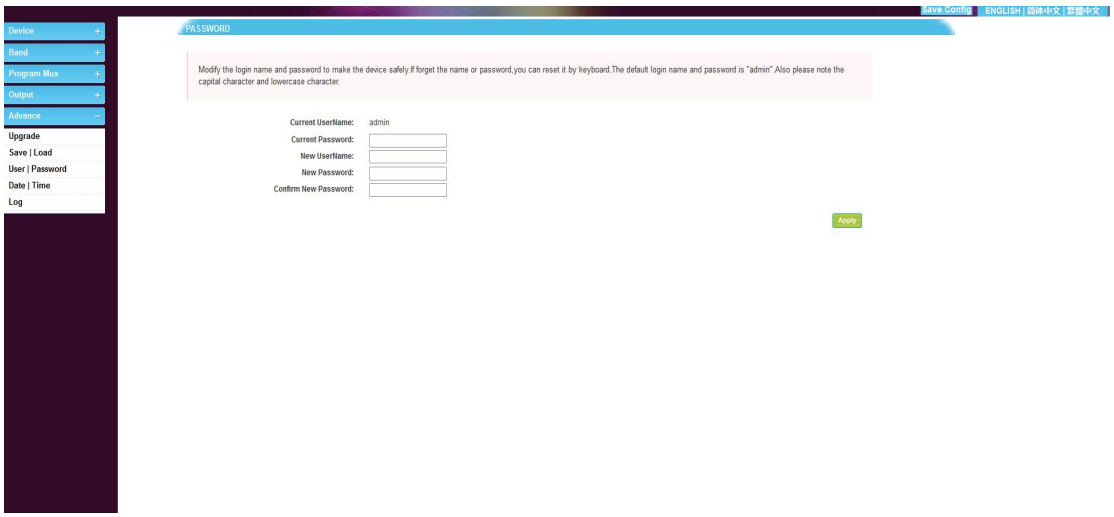
This is the advanced setting of the device , including the modulation format switching, software updating, uploading .

2.3.3.1 Upgrade

We generally suggest users do not do modulation format switching without our online supporting. If you need to switch the modulation into other format, or upgrade the software, please contact us to make online supporting.

2.3.3.2 User/password settings

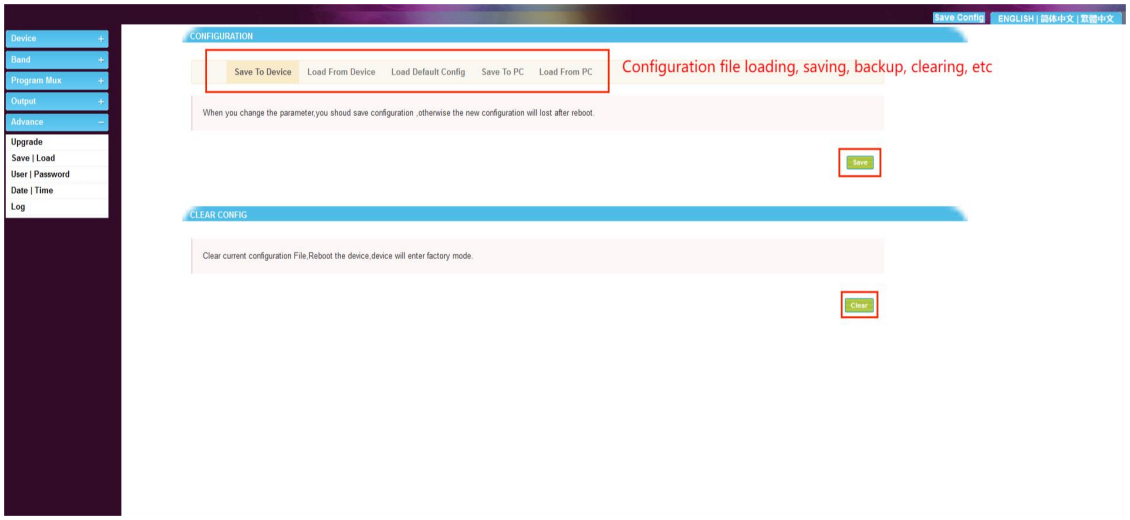
User name and password settings.



Default username and password：admin

If you have changed your account and password, keep them securely.

2.3.3.3 Save / load the settings



1、Save to device: After change any of the data or settings, please

click "save to device"to match the settings between the software and the device.

2、Load from device: This is to download the recent settings from the device. Please save the settings when finish the downloading.

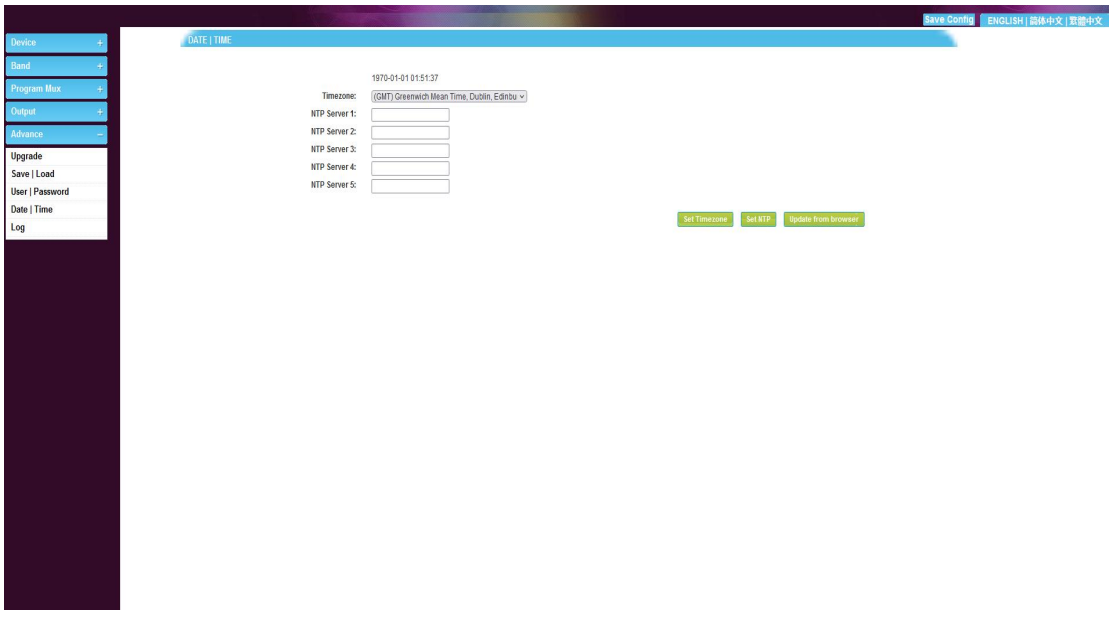
3、Load the default config: This is to reset the device to the factory settings.

4、Save to PC: This is to save the current configuration to local files in PC. Users are suggested saving the settings before upgrading the device.

5、Load from PC: Users can replace the current settings with the backup settings from local files (PC).Note: Do not turn off the computer on the process of downloading, otherwise the device will not work.

6、CLEAR CONGLG: Click "Clear"to delete all the current setting to reset the data settings.

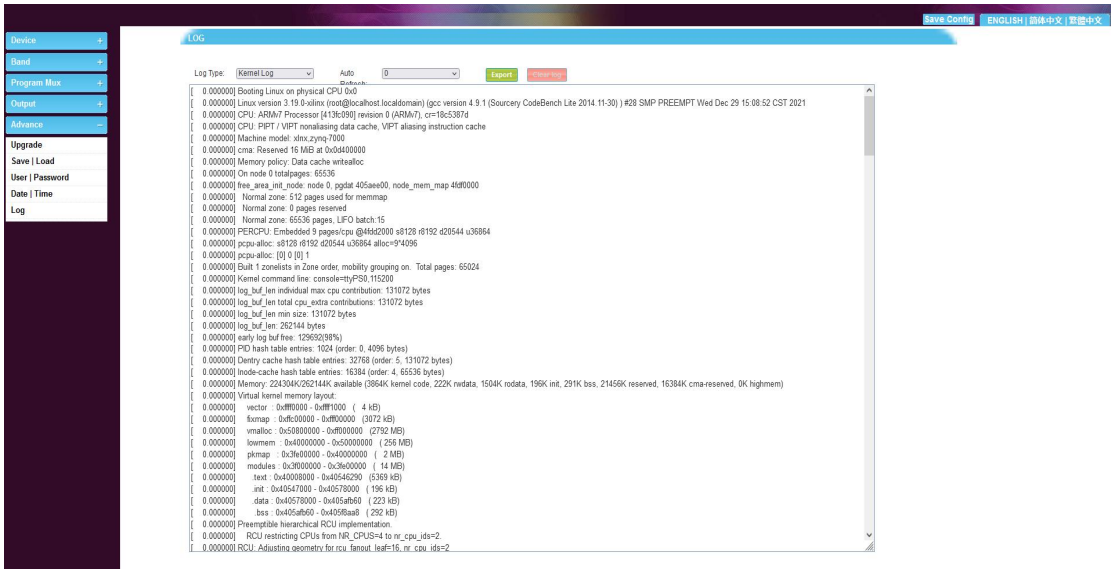
2.3.3.4 Date/ Time



To set the date and time.

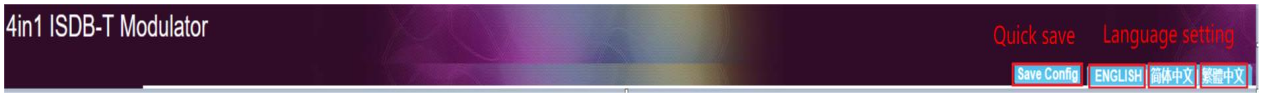
2.3.3.5 Blog

Record the operating status and parameter modification of the equipment.



When the device is abnormal, the device work log can provide some useful information.

2.3.4 Language exchange



Click "English" to change the web interface and LCD display into English version and save.

Please save the changes after all operations.

3 Cautions

Please follow the following tips to set running the equipment to make sure safety and performance.

3.1 Precaution

- Place the equipment in an suitable place with a temperature range of 0-45℃
- Make sure that heat sink on the rear panel is well ventilated, and all jacks smooth opening;
- Check the power voltage, and all power connections;
- Check the RF output level to make sure it is in the working range;
- Recheck all connections;
- Don't switch OFF/ON the equipment frequently（each switch on and off should be Min. 10 seconds later）

3.2 When do you need to unplug the power

- The power cord or socket is damaged.
- If any liquid get into the equipment.
- Short circuit caused by anything getting into the chassis.
- Rainfall or soaking to the equipment.
- Any damage to the equipment.
- Long idleness of the equipment.
- Equipment does not work after preset recovery.
- Equipment maintenance