BD-24Tuner-IP

Tuner to IP、ASI Gateway

User manual

V1.0



BD-24TUNER-IP

Overview

BD-24TUNER-IP is a professional high integration device which includes tuner demodulation, multiplexing, and modulation. It supports 4/8/12/16/20/24 tuner input**(support different types of tuner (DVB-S2、DVB-C、DVB-T、ATSC、DTMBT、ISDBT, etc.) input)**, 1000M IP output, 4 MPTS output and 512 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

- 4/8/12/16/20/24 tuner input;

  the tuner supports (**DVB-S2/DVB-C/DVB-T/ATSC/ISDBT/DTMBT**)
- 1000M IP output over UDP and RTP protocol (MPTS and SPTS)
- Support different types of tuner (DVB-S2、DVB-C、DVB-T、ATSC、 DTMBT,、ISDBT, etc.) input, or mixed use (e.g., 4 - way dvb - t and 4 - way ATSC input at the same time, making up 8 - way input)
- 2 ASI inputs
- 2 ASI Independent output (optional) as copy of 1MPTS
- 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	4/8/12/16/20/24 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 4 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)	550mm×515mm×140mm
	weight	6kg
	Environment	0~45℃(work)；-20~80℃(storage)
	Power requirements	AC100~240V，50/60Hz

Operating specification

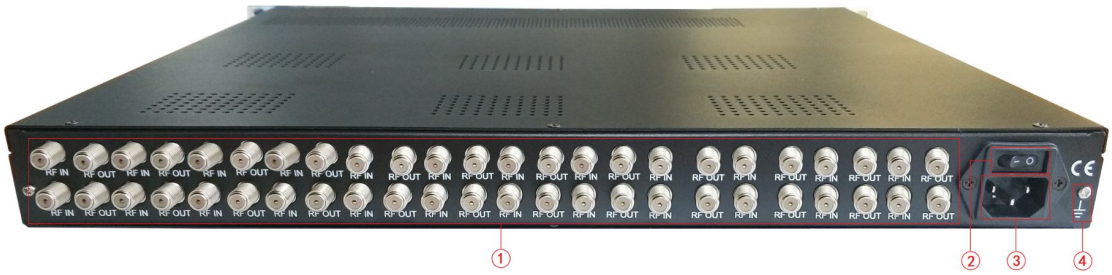
The device is connected to the input signal, connected to the power supply, and the equipment is controlled through the browser after the equipment starts normally.

Front panel



1. LCD display
2. Indicator light
3. Button
4. ASI In
5. ASI OUT
6. NMS, DATA input/output

Rear panel:



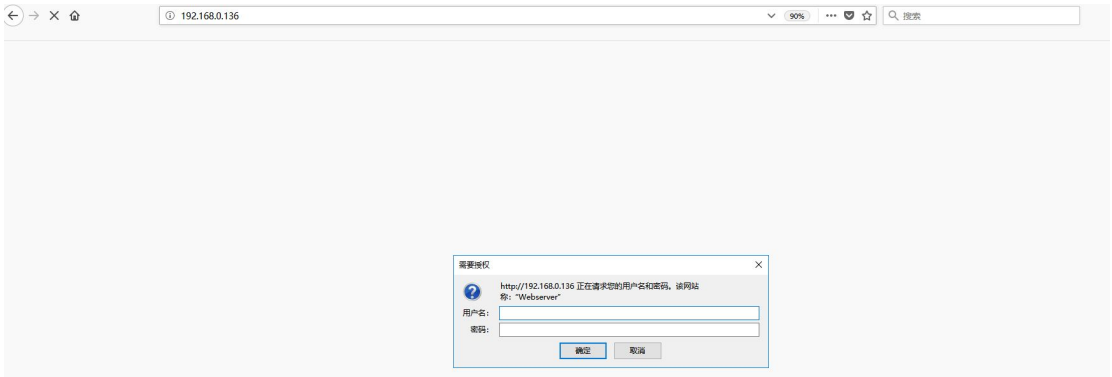
1. Tuner input
2. Power switch
3. Three-core power jack
4. Grounding point

Connect the computer's internet port to the device's NMS network port, modify the computer's IP address to a fixed IP: 192.168.0.100, open the Google browser, and enter 192.168.0.136 to log in to the device management interface.

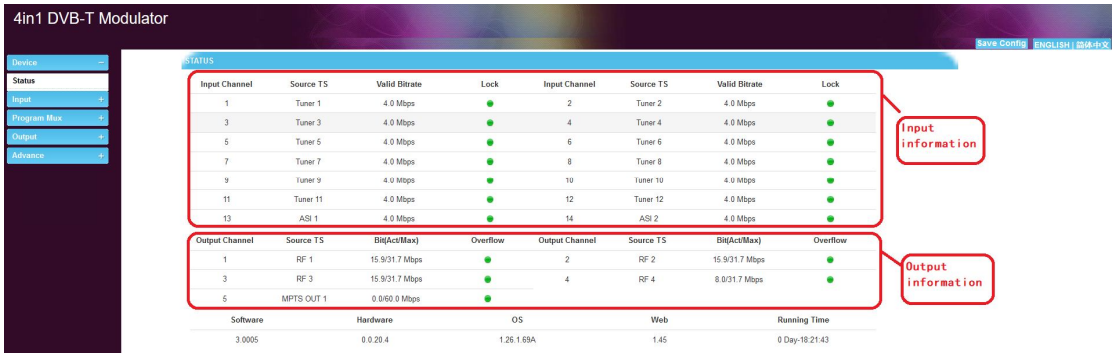
1、Enter the IP address of the device on the browse（default address：192.168.0.136）



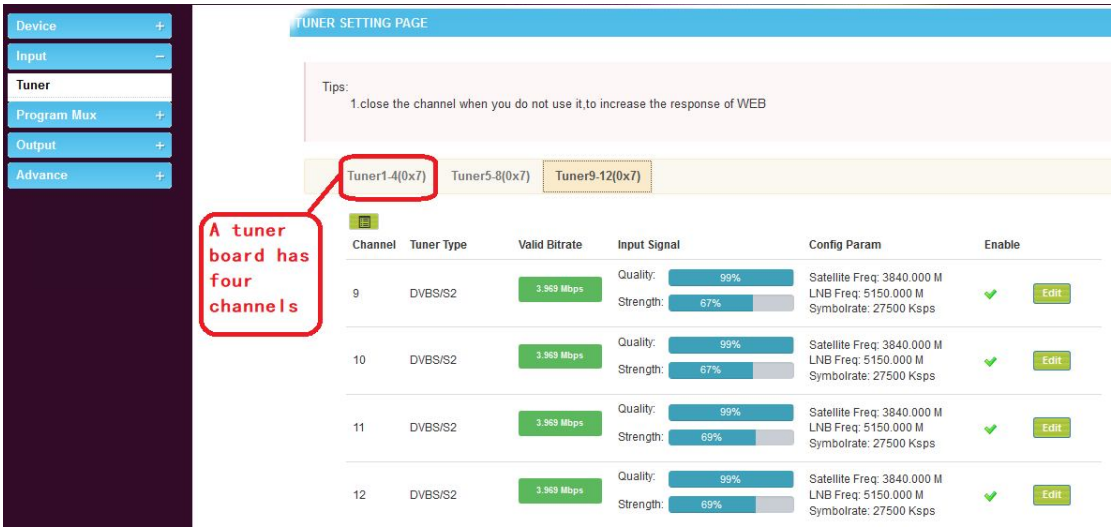
2、Username and password（default address：admin）



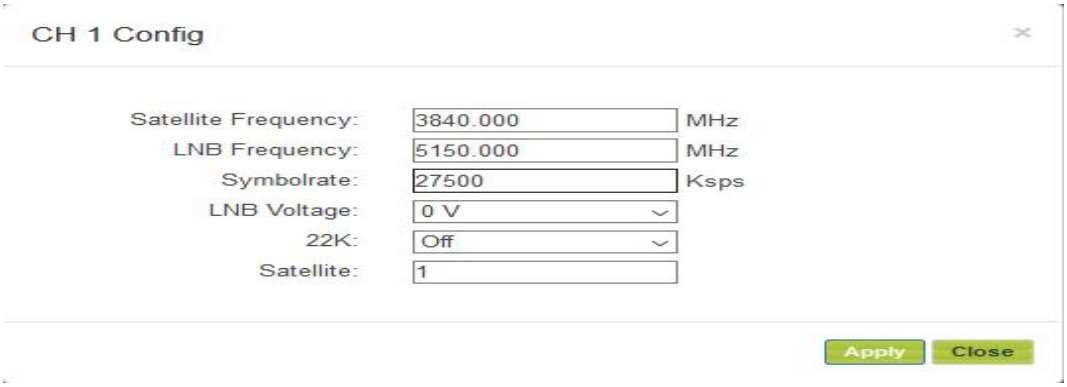
3、Enter the Device->Status bar to clearly detect the running status of the device



4、Tuner Parameter setting

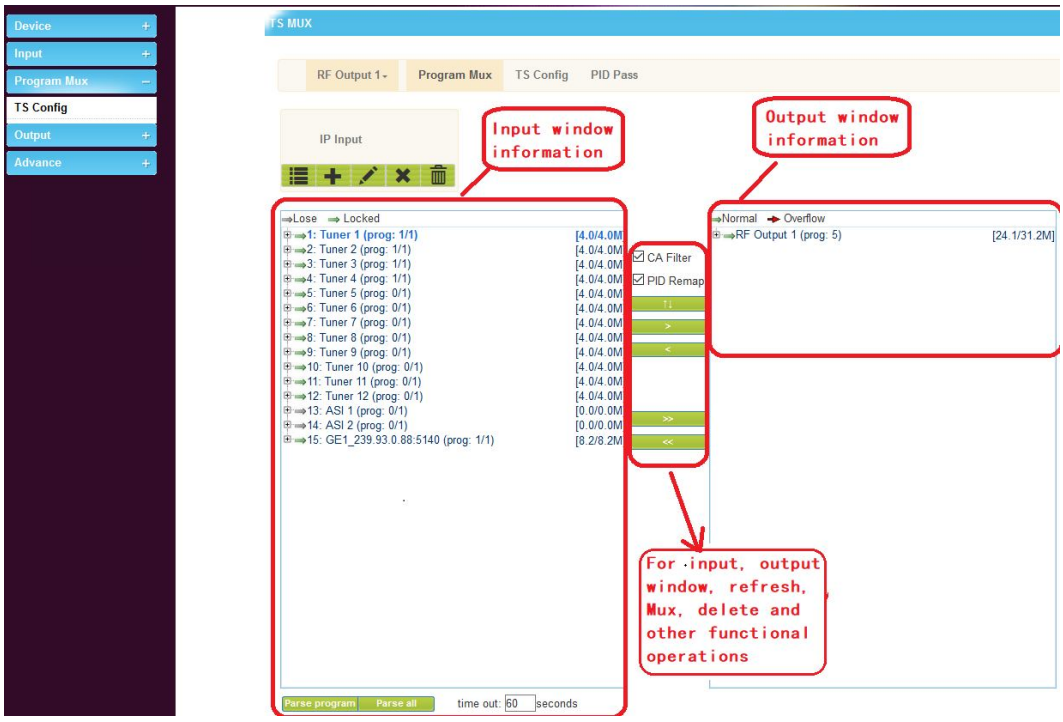


A、 Tuner Parameter，click  Set parameters



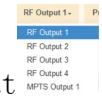
B、Click "Enable" undown " ✔ " to " ⊗ " (meaning that the input channel is turned off and the unused input channel should be turned off)

5、Program Mux



A、Select the frequency setting port for Mux program

一、Multiplex program step:

(1) select which frequency point to multiplex the program at 

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(2) Click Parse all Analyzing program information of the input channel, Or select any input port （Such as tuner / ASI / IP）,click Parse program Analyzing program information of the channel

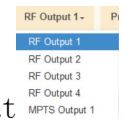
(3) Select programs under any input port 

, Tick the box ☑

(4) Click “ > ”, Multiplexing programs into the selected frequency point list

(5) IP input, by adding IP information 

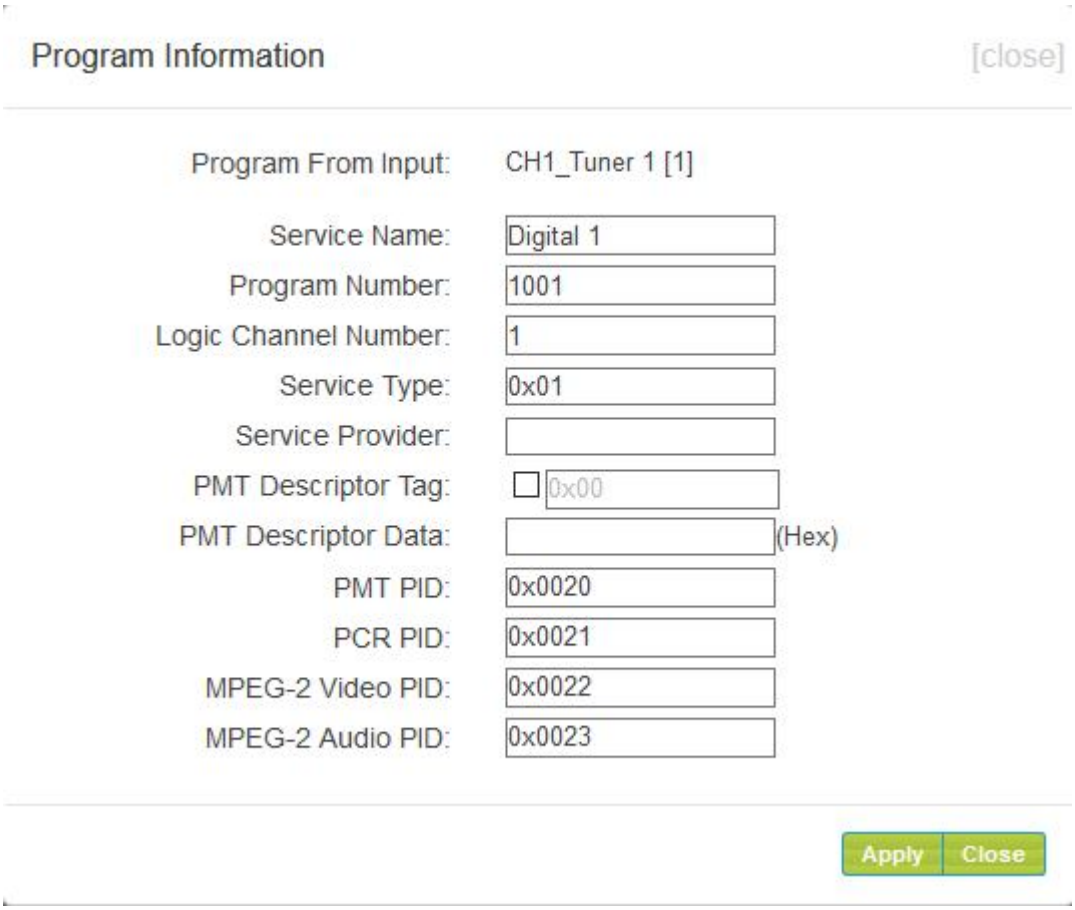
二、Delete program step:

(1) Select which frequency point to multiplex the program at 

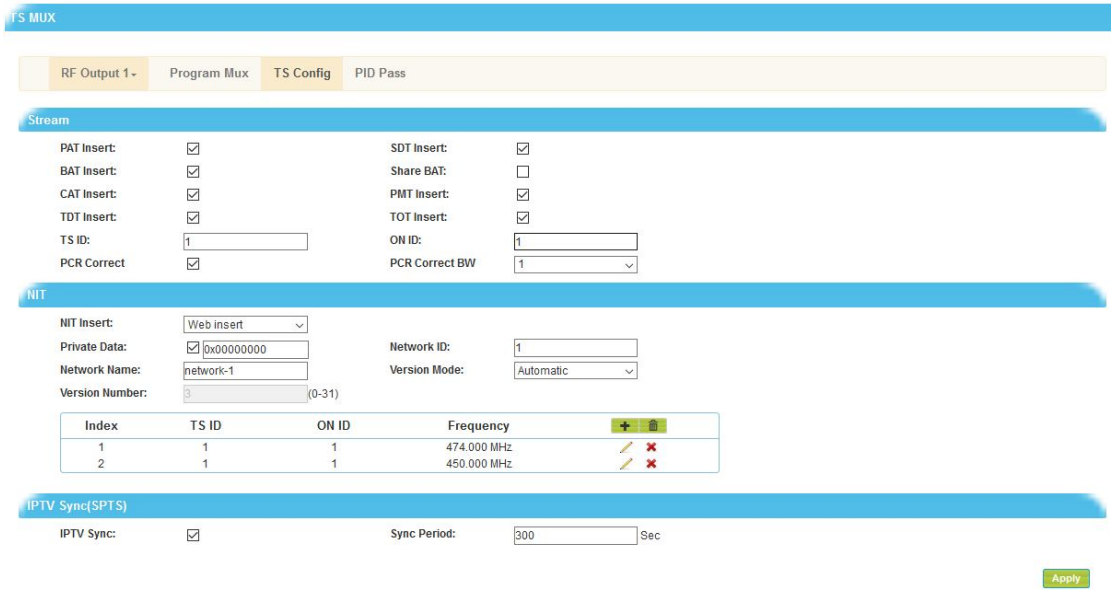
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(2) In the output window,Remove the box in front of the program name ☑, click “ < ”, Cancel the reuse of programs

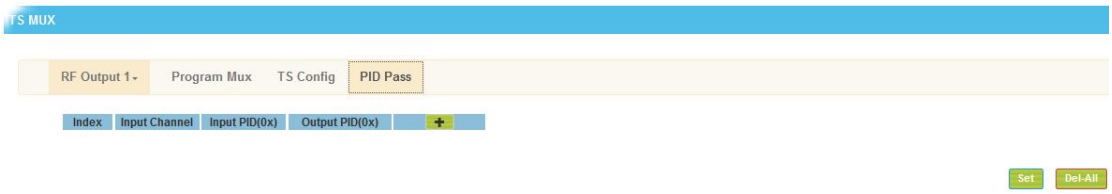
B、In the output window, at frequency point, click the program name TV-11 [0:CH1_Encoder 1] and pop up the following window to modify the parameters of the program



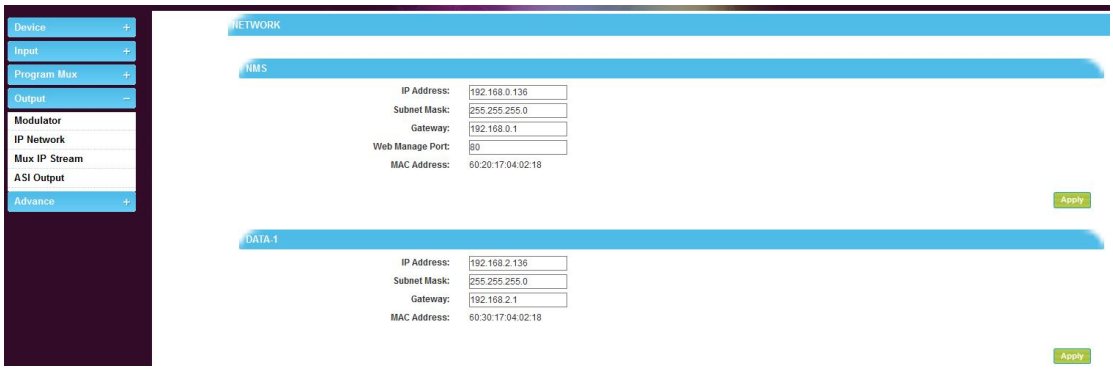
C、TS Config parameters



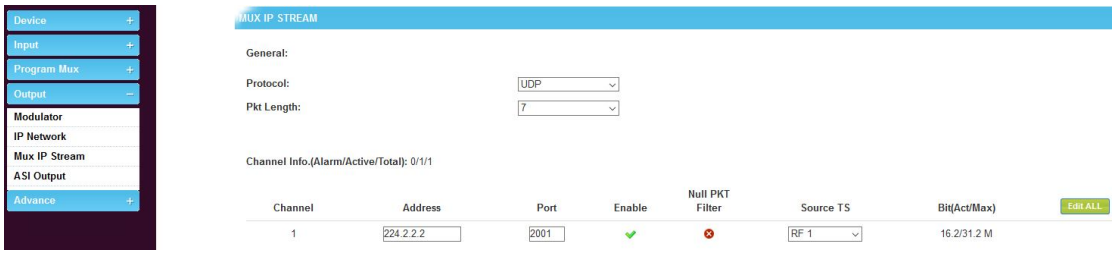
D、PID Pass parameters



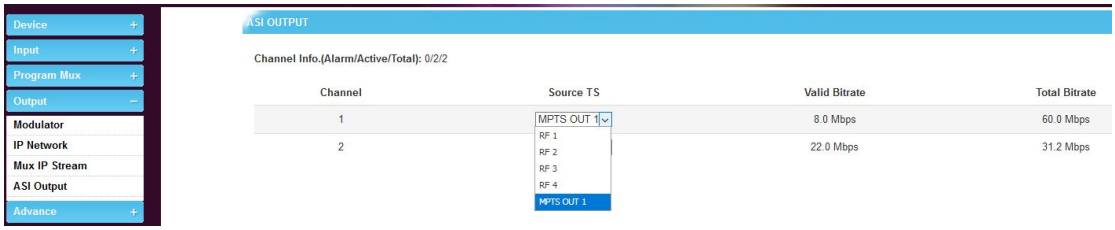
6、Output->Network，Network communication parameters of equipment



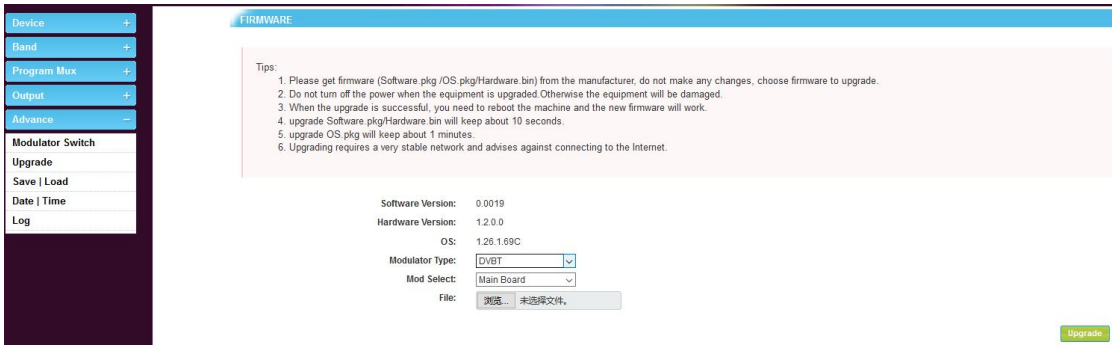
7、Output->Mux IP Stream



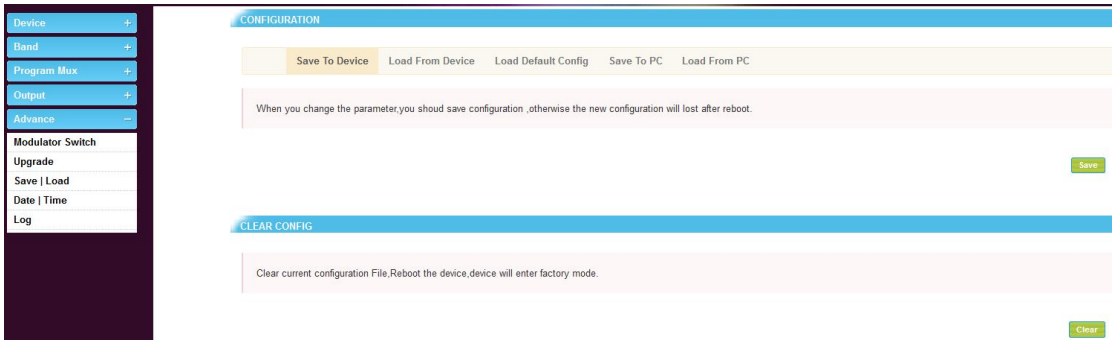
8、Output->ASI Output



9、Equipment upgrade



10、Save Menu

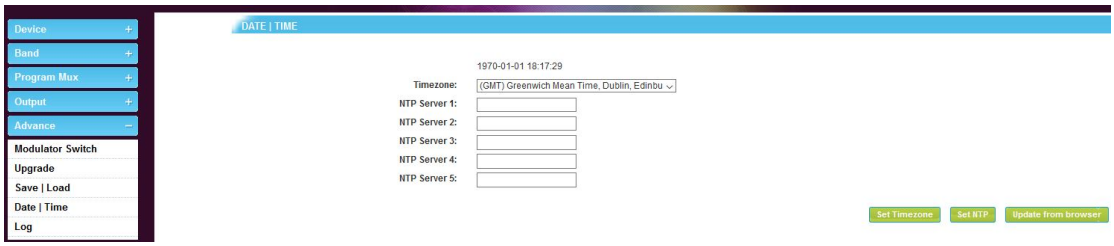


A、Can be saved quickly from the top right of the page, click "Save Config"

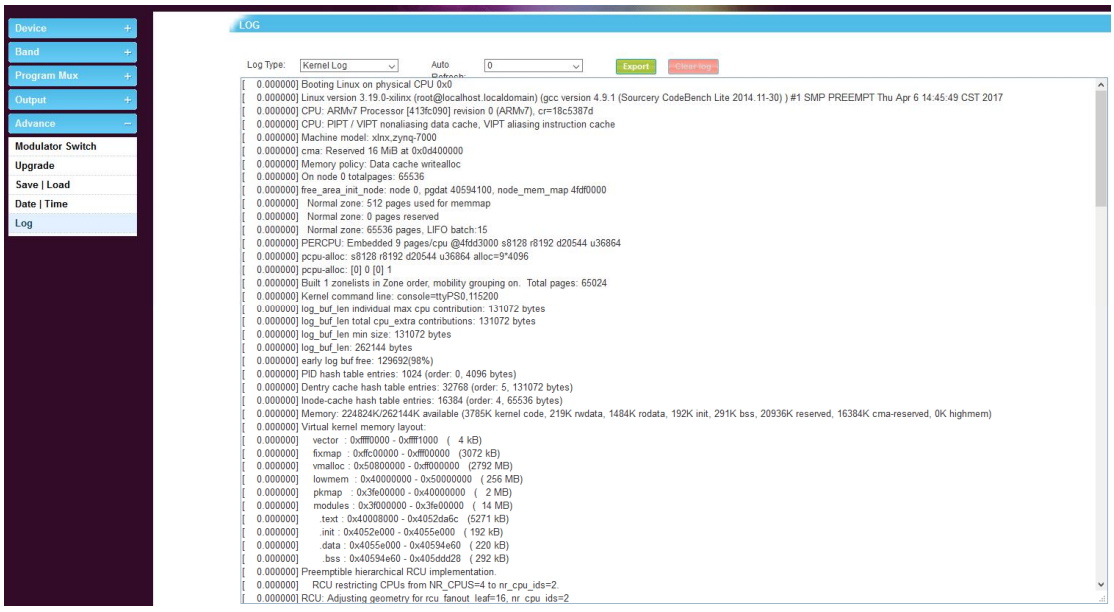




11、Date/time， No operation, only test



12、State information monitoring, No operation, only test



13、After the device parameter is modified, it must be saved so as not to set the device parameter again after the power is off。