

IP Modulator User Manual Model: SKD710X

*The X in the model number stands for different output modulations.



Dingshengwei Electronics Co., Ltd.

The final interpretation right of this document belongs to our company



Preface

First of all, thank you for choosing our products.

This manual details the performance, installation and operation of the product.

Please read this manual before use. Our company, Shenzhen Dingshengwei

Electronics Co., Ltd., does not assume any responsibility for any losses caused by violations of safety regulations.

- 1. Incoming inspection
- (1)Open the equipment box and check the contents against the product packing list.
- (2)If the packing list does not match the actual items, please contact us.
- 2. Read the instruction manual

Please read the instructions and follow all instructions.

(1)Power supply

The power supply used with this device must comply with the indicated power supply and be grounded. When not using the machine for a long time, please unplug the power cord

(2)Working environment

Keep the equipment working in a ventilated and dry place. Avoid excessive heat, moisture, dust and heat

(3) Equipment cleaning

Before cleaning the device, unplug the power cord. Do not use liquid or spray cleaners.

(4)Power cable protection



Pay special attention to the safety protection of plugs, sockets and power cords (5)Overload

Be careful not to overload the power supply at the outlet. Use caution when using extension cords or integrated sockets as this may result in electric shock and fire.

(6)Lightning

To prevent damage caused by lightning, please use this device in a lightning protection device, which can effectively prevent damage caused by lightning or power grid fluctuations.

(7) Foreign matter or liquid intrusion

Do not insert foreign objects into the machine or spill any liquid into the machine.

(8)Appendix

Do not use accessories not recommended by the manufacturer, as this may cause danger.

(9)Transportation

When transporting the machine, the original packaging of the product should be used to avoid damage. Do not place heavy objects on the machine or step on it.

Otherwise, personal injury may occur and the machine may be damaged.

(10)maintain

Do not open the box and repair by yourself to avoid personal injury or serious damage to the machine.

During the warranty period, if the product is damaged due to natural causes and is disassembled without authorization, free warranty will not be provided.



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2. Product descryption

2.1. Product overview

SKD710X is a platform product for centralized processing of small digital TV front-end services. The installation method is flexible and can be installed in cabinet, wall-mounted, or desktop.

Parameters can be configured through local operating equipment. The WEB page is beautiful and easy to understand, simple to operate, and has intelligent functions such as batch import and export of parameters. It is a highly integrated and cost-effective digital TV front-end signal comprehensive processing equipment.

2.2. Photo



2.3. Features

- Support UDP/RTP protocol input, support SPTS/MPTS stream processing
- Support 256 IP addresses, Gigabit input
- Supports PID remapping, PSI/SI information editing and insertion



- Supports digital modulation output of 4/8 frequencies, and the output modulation supports DVBC (J83A/C), DVBT/T2, DTMB, ISDB-T, ATSC, QAM (optional)
- 1 Gigabit port and 1 management port
- Operated through PC (WEB)

2.4. Application scenarios

- Business travel hotel
- Clubhouse
- Hospital
- Spa
- School
- Leisure and entertainment clubs
- Prison

2.5. Parameter

SKD710X Base unit parameter				
Size	Size 318(L)*260(W)*44(H)mm			
Installation	1U 19 inch rack、wall-mounted, desktop			
Working				
temperature,	-10°C-45°C、40%-70%			
humidity				



Storage			
temperature	-40°C-70°C、40%-95%		
and humidity			
	Supply	DC12V	
	voltage		
Power	Maximum	7000mA	
	current		
	IP input port	1 Gigabit RJ45 network port	
IP Input	Transit format	Support UDP/RTP protocols input,support SPTS/MPTS	
	Input format	stream processing , support 256 IP address	
	0.44	female connector , 1 RF output and 1 -20dB test port	
	Output port	output	
	Output	DVBC(J83A/B/C), DVBT/T2, DTMB, ISDB-T, QAM,	
	standard	ATSC(optional)	
	RF frequency	FO STOMULE recipies are store 1 MULE	
DFt	range	50-870MHz minimum step 1MHz	
RF output	Output level	≥105dBuV (0-20dB Adjust range , step 0.5dB)	
	Out band	, co.lp	
	rejection	≥60dB	
	Output	750	
	impedance	75Ω	
	Output	4/8 frequencies (optional)	



Modulation parameter		
J.83A/C	Standard	Annex A/C
	Frequencies	4
		8
	Constellation	16QAM、32QAM、64 QAM、128 QAM、256 QAM
	MER	≥36dB
	Symbol rate	3.600~6.960Msps
	Output	50-999.999MHz , minimum step 0.001MHz
	frequency	
	range(adjusta	
	ble)	
	Output level	110dBuV±3dB
	Output level	0~-20dB
	adjustment	
	range	
	Out band	≥60dB
	rejection	
	Output	75Ω
	impedance	
DTMB	Standard	GB20600-2006



	Frequencies	4
		8
	Constellation	QPSK, QAM16, QAM64, QAM4_NR, QAM32
	FFT	Single carrier, multi-carrier
	Sync Frame	420, 595 and 945
	Code Rate	0.4, 0.6, 0.8
	Interweaving	None、240、720
	depth	
	MER	≥36dB
	Output	50-999.999MHz , minimum step 0.001MHz
	frequency	
	Output level	110dBuV±3dB
	Output level	0~-20dB
	adjustment	
	range	
	With out band	≥60dB
	rejection	
	Output	75Ω
	impedance	
ISDB-T	Standard	ANSI/SCTE 2001-B004
	Frequency	4
		8



	Constellation	QAM4, QAM16, QAM64
	FFT	2K、4K、8K
	Guard interval	1/4 , 1/8 , 1/16 , 1/32
	Code Rate	1/2 ,2/3,3/4,5/6 ,7/8
	Interweaving	None , 2k , 4k , 8k
	depth	
	Bandwidth	6MHz
	MER	≥36dB
	Output	50-999.999MHz , minimum step 0.001MHz
	frequency	
	Output level	110dBuV±3dB
	Output level	0~-20dB
	adjustment	
	range	
	With out band	≥60dB
	rejection	
	Output	75Ω
	impedance	
DVB-T	Standard	ETS 300 744
	Frequency	4
		8
	Constellation	QAM4, QAM16, QAM64



	FFT	2K、4K、8K
	Guard interval	1/4 , 1/8 , 1/16 , 1/32
	Code Rate	1/2 ,2/3,3/4,5/6 ,7/8
	Interweaving	None , 2k , 4k , 8k
	depth	
	Bandwidth	6MHz , 7MHz , 8MHz ,
	MER	≥36dB
	Output	50-999.999MHz, minimum step 0.001MHz
	frequency	
	Output level	110dBuV±3dB
	Output level	0~-20dB
	adjustment	
	range	
	With out band	≥60dB
	rejection	
	Output	75Ω
	impedance	
DVB-T2	Standard	EN 302 755
	Frequencies	4
		8
	Constellation	QAM4, QAM16, QAM64,QAM256
	FFT	2K、2K、4K、8K、16K



	Guard interval	1/4 , 1/8 , 1/16 , 1/32
	Code Rate	1/2 ,2/3,3/4,5/6 ,7/8
	Interweaving	Support all 3 Time Interleave options without
	depth	sub-slicing and no frame jump.
	Bandwidth	1.7 , 6 , 7 , 8 , 10MHz
	MER	≥36dB
	Output	50-999.999MHz , minimum step 0.001MHz
	frequency	
	Output level	110dBuV±3dB
	Output level	0~-20dB
	adjustment	
	range	
	With out band	≥60dB
	rejection	
	Output	75Ω
	impedance	
ATSC	Standard	8VSB
	Frequencies	4
		8
	Bandwidth	6MHz
	MER	≥36dB
	Output	50-999.999MHz , minimum step 0.001MHz



	frequency	
	Output level	110dBuV±3dB
	Output level	0~-20dB
	adjustment	
	range	
	With out band	≥60dB
	rejection	
	Output	75Ω
	impedance	
QAM	Standard	Annex B
	Frequencies	4
		8
	Constellation	64 QAM、256 QAM
	Symbol rate	5.05641 MS/s(64 QAM) , 5.360537 MS/s (256
		QAM)
	MER	≥36dB
	Output	50-999.999MHz , minimum step 0.001MHz
	frequency	
	adjustment	
	range	
	Output level	110dBuV±3dB
	Output level	0 ~ -20dB



adjustment	
range	
With out band	≥60dB
rejection	
Output	75Ω
impedance	

3. Structure diagram

3.1. Front panel



No.	Function	
1	PER	This indicator light lights up when the device is powered on
1	RUN	This indicator light lights up when the device is running
2	DATA IN	Gigabit input network port
3	NMS	Management port
4	DUFAULT	Restore factory settings button. If you need to restore factory



	settings, you need to press and hold for 15 seconds.
--	--

3.2. Rear panel



No.	Function	
1	RF OUT	Signal output port, level does not attenuate
	TEST -20db	Test port, level signal attenuation 20db
2	switch	
3	power inlet	
4	ground	

4. Installation guide

4.1. Preparation

When installing the device, follow these steps:

- > Check for possible loss or damage of equipment during transportation;
- > Prepare a suitable environment for installation;
- > Install the required input and output cables;

Each detail when installing the equipment will be described in the rest of this chapter.



The specific location can be found in the rear panel diagram..

4.2. Device installation process

Step 1:Unpacking and inspecting goods

Step 2:Fixed equipment

Step 3:Connect power and ground wires

Step 4:Connect signal cable

Step 5:Connect signal cable

Step 6:Set device parameters

Step 7:Set device parameters

Step 8:Equipment operation

4.3. Environmental conditions requirements

Project	Requirement
Control voor	When installing multiple rows of cabinets, the distance between the
Control room	front and rear doors of the cabinet is 1.2~1.5m and the distance from
space	the wall is 0.8m.
	Non-conductive and dust-free. The volume resistivity of the ground
Control room	anti-static material is 1X107~1X1010, and the grounding current
floor	limiting resistance is 1M. The floor load-bearing should be greater
	than 450Kg/m2.



Ambient	For long-term work in an environment of $5\sim40^{\circ}$ C, and for short-term work in an environment of $0\sim45^{\circ}$ C, it is best to install air conditioners	
temperature	in places to facilitate heat dissipation.	
Relative	Work long-term in the 20% to 95% environment and short-term in	
humidity	the 10% to 97% environment.	
Ambient air	86kPa~106kPa。	
pressure	86KPa~106KPa。	
	Dust-proof rubber strips must be added for sealing. It is	
Windows	recommended that windows be installed with double-glazing and	
	strictly sealed.	
Wall	Wallpaper can be applied or matte paint can be applied, but paint	
VVIII	that is easily powdered should not be applied.	
Fire	The control room should be equipped with an automatic fire alarm	
protection	system and a portable fixed fire extinguishing system.	
requirements	system and a pertable integrine enting also mig	
	Three independent power supply systems are required for	
Power	equipment power supply, air conditioning power supply, and lighting	
requirements	power supply. The equipment is powered by AC power supply. The	
. equilibrius	AC power supply adopts 220V±20% 50/60Hz. Please check carefully	
	before operating the equipment.	



4.4. Grounding requirements

- The good ground wire design of each functional module is the basis for the stable and reliable operation of the whole machine, and is the primary guarantee for lightning protection and anti-interference. Therefore, system grounding must follow the following principles;
- Both ends of the outer conductor and shielding layer of the coaxial cable should maintain good electrical contact with the outer surface of the metal chassis of the connected equipment;
- > The ground conductor must use copper conductor to reduce high-frequency impedance, and the ground wire should be as thick and short as possible;
- > The connection points at both ends of the grounding wire should be confirmed to have good electrical contact and should be treated with anti-corrosion;
- > It is strictly prohibited to use other equipment as part of the electrical connection of the ground wire;
- The cross-sectional area of the ground wire connecting the cabinet to the lightning protection unit must be greater than or equal to 25mm².
- Cabinet grounding: The ground terminals of each cabinet in the same computer room should be connected to the protective ground copper bar provided by the bureau. The grounding wire is required to be as short as possible. If the wiring is too long during project installation, it should be cut off to avoid coiling of the grounding wire. The cross-sectional area of the conductor from the ground terminal to the ground bar must be greater than or equal to 25mm².



5. Built-in web management terminal operation

5.1. Preparation before operation

- The NMS network port of the device is connected to the PC network port;
- Power the equipment;

5.2. Login interface

- > You can check the IP address of the device through the operation panel.
- Open IE browser/Firefox browser/Google Chrome/Opera browser/Maxthon browser, enter the device IP address in the address bar (generally default: 192.168.1.30), and after confirmation, the login interface will be displayed as follows:
- Enter username and password, the default is: USET
- Click to log in

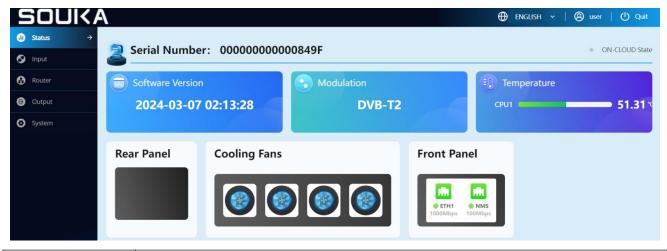




Notice:

- 1. If the connection cannot be made, please check whether the PC and the device are on the same network segment. If not, please add a new network segment in the advanced TCP/IP settings of the PC. For example: the PC's IP address is 192.168.99.252, which can be changed to 192.168.1.xxx (xxx can be any value from "1" to "254" except "252" to avoid IP conflicts).
- 2. If you still cannot connect after the above operations, or you forgot to log in to the IP address, please operate the front panel of the device to restore the factory default values.
- 3. If you need to change the language, please change it in the upper right corner of the page. Select ENGLISH/简体中文.

5.3. Device status



Serial Number	Display device serial number
Software	Display the current software version number of the device

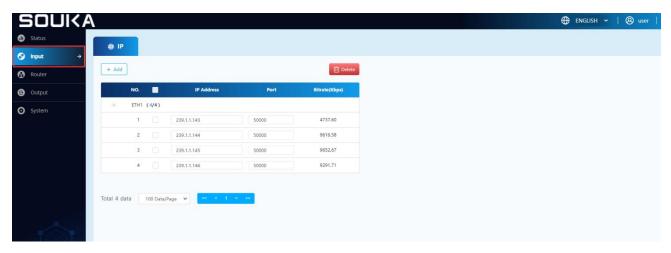


Version	
Modulation	Displays the modulation system currently output by the device
	Display the temperature of the device's core board, and display the
Temperature	number of temperature progress bars based on the number of core
	boards.
Rear Panel	Gray color
	Displays the operating status of the fans in the device. Under
Cooling Fans	normal conditions, all fans will rotate. Blue: running; black: stopped;
	the fan stops running and a yellow triangle warning appears ▲
Frant Danal	Displays the current access status of the front panel. Green:
Front Panel	connected; gray: not connected
Language	简体中文/ENGLISH
User	Display the user name currently logged in to the device backend
Quilt	Exit the device background management terminal
On Cloud State	Displays the binding status of the device on souka cloud. Green:
On Cloud State	bound; gray: unbound

5.4.IP input

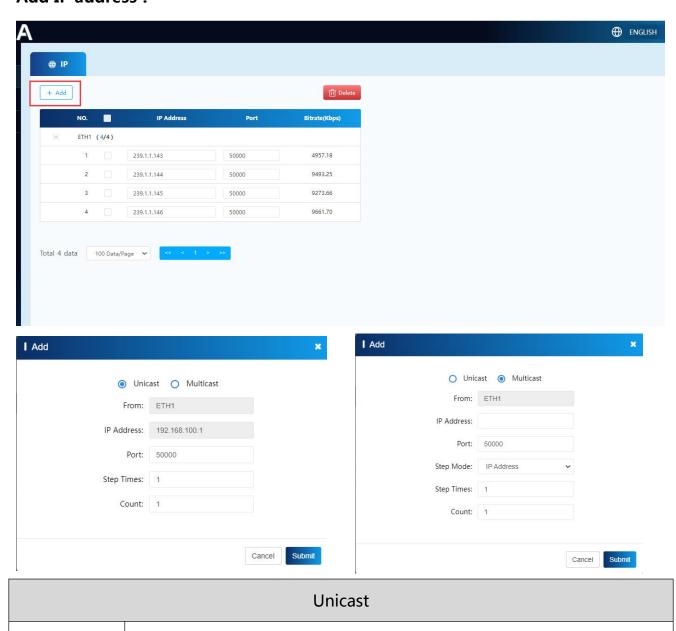
The initial page is as shown below. We add the IP address of the program source by clicking the Add button.





Add IP address:

From



Default device network port



IP address	The default IP address is 192.168.100.1	
Port	Default is 50000, can be modified, value range is 1-65535	
Step times	Default 1, value range 1-10	
Count	Default 1, value range 1-248	
Submit	After filling it out, click the submit button.	
Multicast		
From	Default device network port	
IP address	Fill in the new IP address	
Port	Fill in the port of the new IP address. Value range 1-65535	
Step mode	IP address/port/IP address+port, three steps.	
Step times	Range 1-10	
Count	Range 1-248	
Submit	After filling it out, click the submit button.	

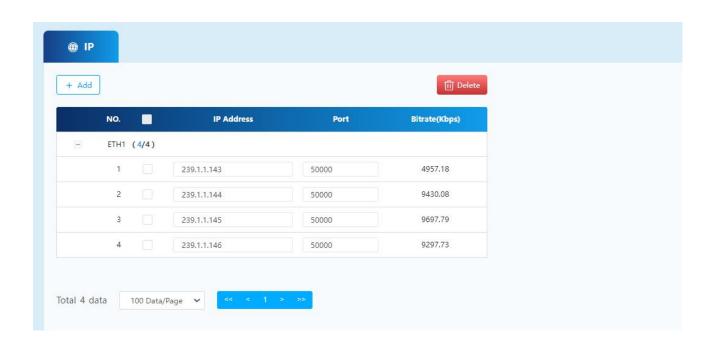
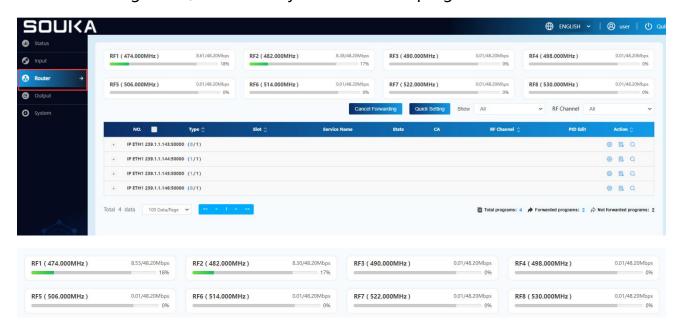




Table Contents Explanation		
Up to 256 IP addresses can be added as long as they do not exceed the range		
NO.	Visually display the amount of table data. The check box next	
NO.	to it can select all table contents.	
ETH1	Input network port display	
IP address	Display and set IP address	
Port	Display and set port number. Value range 1-65535	
Bitrate	Display and update bitrate in real time	
Page Button Explaination		
Delete	Single/batch deletion. Delete checked data.	
Modifications to the table data will take effect.		

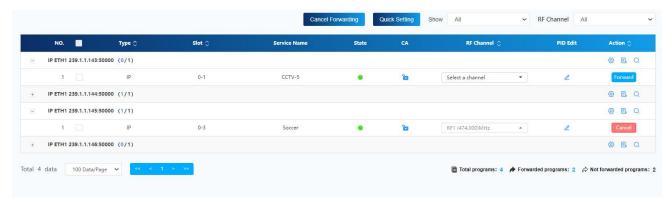
5.5. Router

In router management, we can analyze and forward programs.





	The quantit	y of output channels is determined by the quantity of	
	modulation cards, with a maximum of 8 channels supported.		
		Indicates a suitable bit rate range. When the bit rate of the	
RF1-RF8	Gray bar	forwarded program exceeds this range, the program may	
		appear mosaic.	
	Green bar	When a program is forwarded to a designated channel, the	
		channel will identify the bit rate of the program and indicate	
		it with a green bar.	



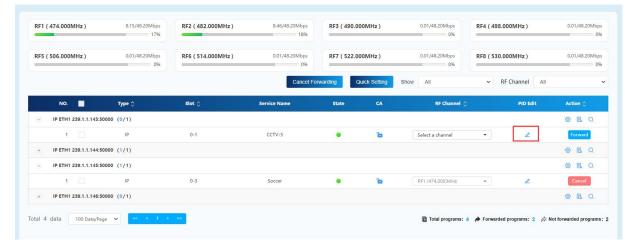
	You need to click the + sign firstly to expand the program before you		
Chl-	can select the program.		
Check	The all-select check box can only select all expanded programs.		
	Programs that have not been expanded cannot be selected.		
Cancel	First check, then click the Cancel Forwarding button to cancel		
Forwarding	forwarding the program		
Quick			
Setting	Set RF channels for selected programs individually/batch		
Show	Туре	Filter by the type of connected signal source.	



	RF channel Filter by radio frequency channel for program forwarding		
	Represents: signal source slot-channel (quantity of forwarded		
	programs/total quantity of programs)		
NO.	Click the "+" sign to expand and display the program list under the		
	channel. The programs can be set, analyzed and forwarded;		
	Click the "-" sign to close the program list;		
Туре	Display the input type of this program		
Slot	Display the input channel of the program		
Service	Display service name. It is analyzed from the program source and can		
name	be modified.		
	Display the status of the program, green: normal; red: interruption;		
	yellow: PSI change;		
State	Program playback conditions are different in different states. When		
	green and yellow, the program plays normally.		
	When turns red, the program plays abnormally.		
	CA certification, an electronic certification service, is used to check		
CA	whether the program stream is encrypted.		
CA	Unlocked means the program stream is not encrypted, locked means		
	the program stream is encrypted.		
RF channel	Allocate RF channels to programs according to actual conditions.		
PID Edit	Edit program information, which will be explained in detail below.		
Forward	When clicked it, will turn into a cancel button, allowing you to cancel		

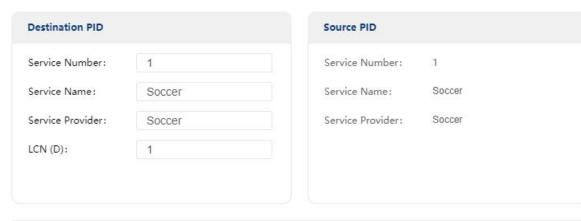


the forwarding.



▮ Edit (Slot: 0-3)

| Program Information



NO.	SRC PID	Туре	DEST PID	TS	Туре	Enable	
1	256	PMT PID	32				
2	257	PCR PID	33				
3	257	AVC(H264)	33	1B	hex	~	
4	258	Mpeg-2 AAC	34	F	hex	~	

Cancel Submit

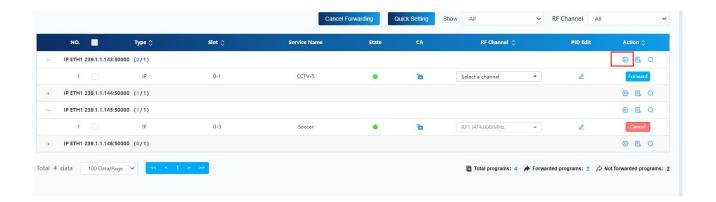
Detailed explanation of editing program information				
Destinatio	Service	Fill in according to actual needs, the value range is:		



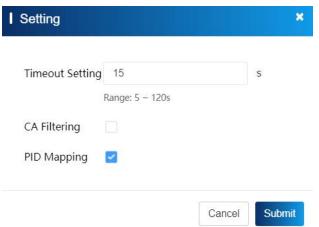
Fill in the actual value, the value range is: 32 bytes. The content shown in gray below is the name of the target program analyzed in the program source. Service It is analyzed from the program source and does not provider need to be changed. The value range is: 32 bytes. Service Comment the source target number and prompt the number user for the value of the source target number. Annotate the source program name and prompt the user for the value of the source program name. Service Annotate source program name, prompt user service provider provider value Detailed explanation of the table below the pop-up window NO. List serial number Each media data stream has a unique PID that identifies the source and type of media packets The type of genre is determined by the content contained in the program source, and there may be more genres Each program has a unique PMT PID that identifies the program's PMT.	n PID	number	1-65535. The content shown in gray below is the target
Fill in the actual value, the value range is: 32 bytes. The content shown in gray below is the name of the target program analyzed in the program source. Service It is analyzed from the program source and does not need to be changed. The value range is: 32 bytes. Service Comment the source target number and prompt the number user for the value of the source target number. Service name Annotate the source program name and prompt the user for the value of the source program name. Service Annotate source program name, prompt user service provider provider value Detailed explanation of the table below the pop-up window NO. List serial number Each media data stream has a unique PID that identifies the source and type of media packets The type of genre is determined by the content contained in the program source, and there may be more genres Type PMT PID Each program has a unique PMT PID that identifies the			
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Source PID Service name Annotate the source program name and prompt the user for the value of the source program name. Service Annotate source program name, prompt user service provider value Detailed explanation of the table below the pop-up window NO. List serial number Each media data stream has a unique PID that identifies the source and type of media packets Type Contained in the program source, and there may be more genres Each program has a unique PMT PID that identifies the		Service	Comment the source target number and prompt the
Source PID Service name user for the value of the source program name. Service Annotate source program name, prompt user service provider value Detailed explanation of the table below the pop-up window NO. List serial number Each media data stream has a unique PID that identifies the source and type of media packets Type figure is determined by the content contained in the program source, and there may be more genres Each program has a unique PMT PID that identifies the		number	user for the value of the source target number.
Service Annotate source program name, prompt user service provider provider value Detailed explanation of the table below the pop-up window NO. List serial number Each media data stream has a unique PID that identifies the source and type of media packets Type Contained in the program source, and there may be more genres Each program has a unique PMT PID that identifies the		Service name	Annotate the source program name and prompt the
provider provider value Detailed explanation of the table below the pop-up window NO. List serial number Each media data stream has a unique PID that identifies the source and type of media packets The type of genre is determined by the content contained in the program source, and there may be more genres Each program has a unique PMT PID that identifies the	Source PID		user for the value of the source program name.
Detailed explanation of the table below the pop-up window NO. List serial number Each media data stream has a unique PID that identifies the source and type of media packets Type contained in the program source, and there may be more genres Each program has a unique PMT PID that identifies the		Service	Annotate source program name, prompt user service
NO. List serial number Each media data stream has a unique PID that identifies the source and type of media packets The type of genre is determined by the content contained in the program source, and there may be more genres Each program has a unique PMT PID that identifies the		provider	provider value
Each media data stream has a unique PID that identifies the source and type of media packets The type of genre is determined by the content contained in the program source, and there may be more genres Each program has a unique PMT PID that identifies the	Detailed explana		tion of the table below the pop-up window
SRC. PID identifies the source and type of media packets The type of genre is determined by the content contained in the program source, and there may be more genres Each program has a unique PMT PID that identifies the		NO.	List serial number
identifies the source and type of media packets The type of genre is determined by the content contained in the program source, and there may be more genres Each program has a unique PMT PID that identifies the PMT PID	CD	IC DID	Each media data stream has a unique PID that
Type contained in the program source, and there may be more genres Each program has a unique PMT PID that identifies the PMT PID	SRC. PID		identifies the source and type of media packets
more genres Each program has a unique PMT PID that identifies the Type PMT PID			The type of genre is determined by the content
Type PMT PID Each program has a unique PMT PID that identifies the	Туре		contained in the program source, and there may be
Type PMT PID			more genres
	_	DIAT DID	Each program has a unique PMT PID that identifies the
	Туре	PINI PID	program's PMT.



		Each program needs an independent PCR PID to	
	PCR PID	synchronize the audio and video streams of the	
		program.	
	AVC(H264)	Video compression standards	
Dest PID	It is based on analysis of program source data and does not need to be		
Dest PID	changed.		
TC type	It is based on analysis of program source data and does not need to be		
TS type	changed.		
Enable	It can be controlled to open or close. It will not take effect after it is		
closed.			
Submit	After the modifi	ied content is submitted successfully, it will take effect.	
Cancel	Close editing page		





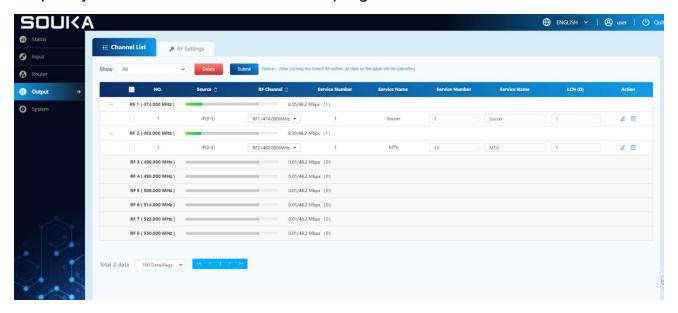


Setting		
	Set the time to analyze the	
Timeout	program, and stop the	
setting	analysis after timeout. Value	
	range: 5-120s	
	After turning it on, you can	
CA	filter the encrypted EMM	
Filtering	information of satellite	
	programs.	
DID	Open by default. In order to	
PID	prevent two programs from	
Mapping	having the same target PID	

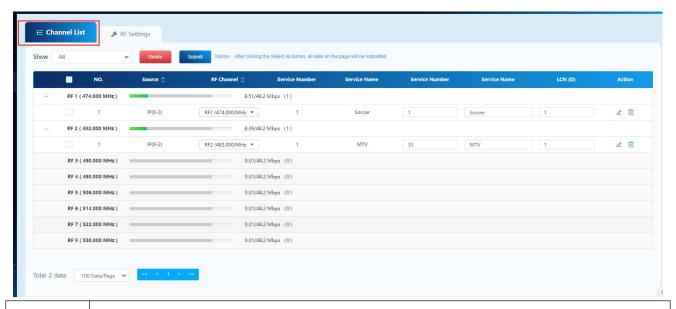


5.6. Output

Output management mainly manages output programs and sets the output frequency, modulation format, etc. of the program.



5.6.1. Channel list



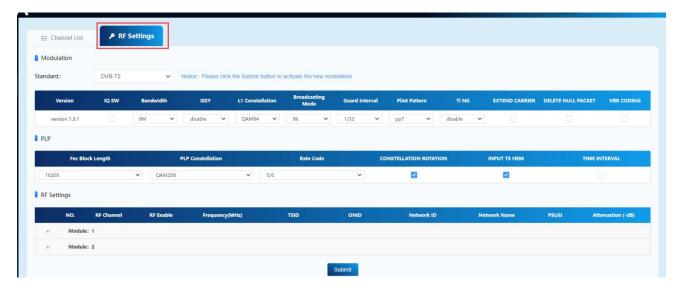
Source Filter the signal source of the program according to the type of signal



	source.
	After checking the programs that need to be deleted, click Delete. After
Delete	deletion, the programs will become unforwarded, and the status of these
	programs in routing management will become unforwarded.
Submit	Modification of the information in the form will only take effect after
	successful submission.

Note: The remaining parameter settings are consistent with those in routing management.

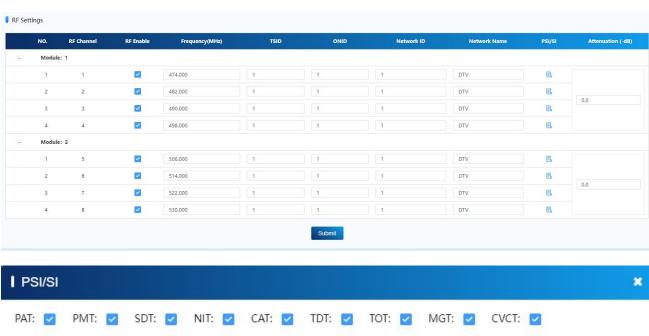
5.6.2. RF settings

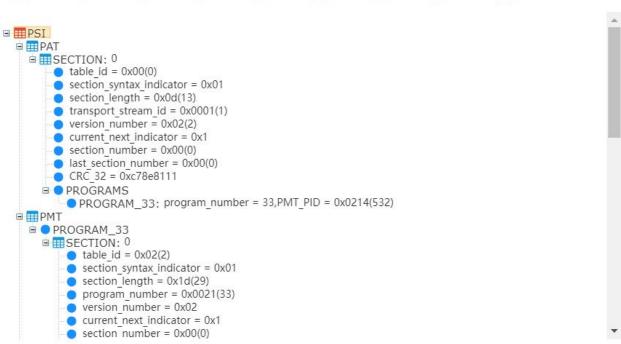


Set the 8 output channels in the RF settings. There are 2 modules, each module has 4 RF frequencies.

Note: Modified data must be submitted successfully to take effect.







Cancel Submit



NO	Display	the serial number of the RF channel number to visually	
NO.	display the number of RF channels		
RF channels	Display the numbers of different channels in the module		
RF enable	Enable	d by default. When closed, the output channel is closed	
Frequency	Unit: M	IHz Set according to actual needs. Value range: 50-999.999	
TSID	Set acc	ording to actual needs. Value range: 1-65535	
ONID	Set acc	ording to actual needs. Value range: 0-65535	
Network ID	Set acc	ording to actual needs. Value range: 0-65535	
Network	Fill in tl	he network name according to actual needs. Value range: 32	
name	bytes		
	PAT	Program association table. Associating the program number with the program mapping table PID is the beginning of data acquisition;	
	PMT	Program mapping table, specifying the PID of one or more programs;	
PSI/SI	SDT	Business description table, describing various program and service information in the transmitted digital television signal	
	NIT	The network information table describes the entire network, such as the number of TS streams, frequency points, modulation methods, etc.	
	CAT	A conditional access table that associates one or more	



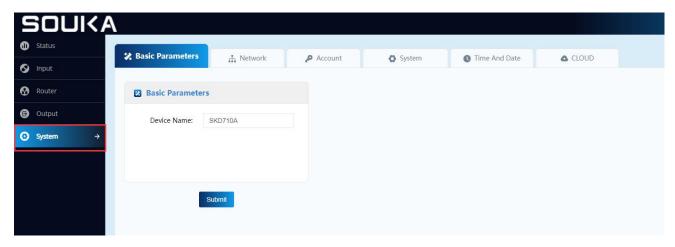
		dedicated EMM flows with a unique PID;
		Time and date table. TDT is one of the various service
		information (SI) tables contained in the MPEG-2 transport
	TDT	stream. It is the abbreviation of time and date table and is
		used to update the internal clock of the IRD.
	тот	Time offset table. gives information about the current time,
		date, and local time offset



	MGT	Main wizard table. Master Wizard Table (MGT) is like an
		index to all other PSIP tables
	CVCT	Cable virtual channel list.
	Adjust	when the TV signal is poor, 0 is the default value. The setting
Attenuation	range is 0-20, in steps of 0.5, and the maximum value can only be	
	changed to 20.	
Culomait	Modifying the data in the form will take effect only after successful	
Submit	submission.	

5.7. System

Able to set device name, network/IP input network port settings, password settings, system configuration, time settings and cloud network management binding.



5.7.1. Basic parameters

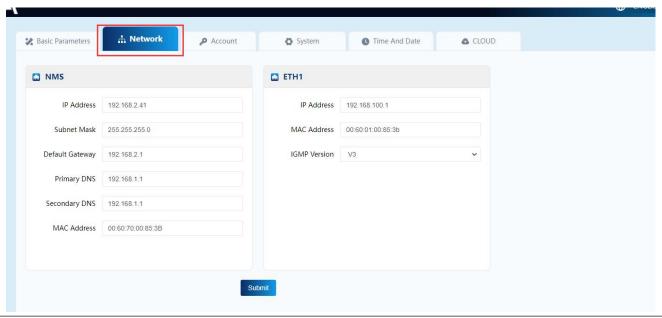
Modify the device name, click Submit, and the name in the upper left corner will also be changed. A maximum of 32 bytes can be entered.







5.7.2. Network



	Network setting
NMS	Network management port, connected computers must be in the same
	network segment.
ETH1	Network port 1, fill in according to actual needs.

IGMP version: IGMPv1 defines the basic group member query and reporting process. IGMPv2 adds a mechanism for inquire election and group member departure on this basis. The main function added in IGMPv3 is that members can specify to receive or not to receive certain Packets from the multicast source.

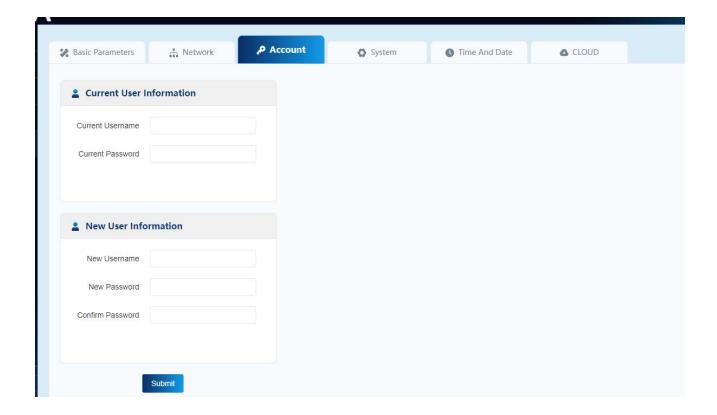
5.7.3. Account

Reset a new username and password.

Operation steps: First fill in the username and password in the Current User Information, and then fill in the new username and password. Only when the initial



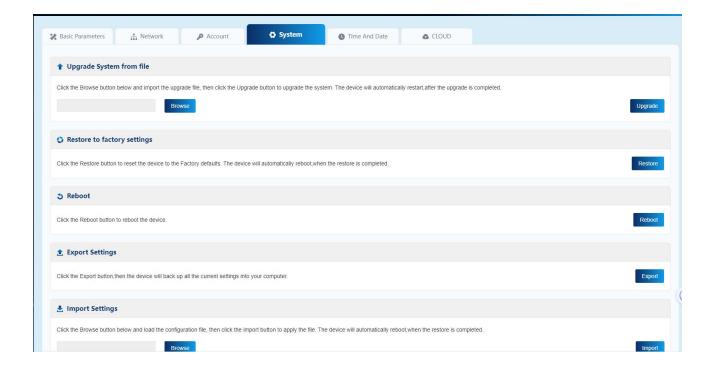
username and password are entered correctly can the password be modified.



5.7.4. System

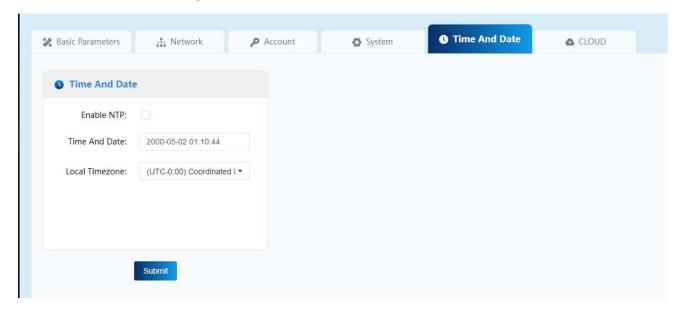
In the system configuration, follow the operating instructions to upgrade the system, restore the factory, restart, export the system configuration file, and import the system configuration file. The import and export files can manually back up the system configuration information. When you need to restore the previous configuration information, import the corresponding configuration file.





5.7.5. Time And Date

It can automatically calibrate time information, or manually set the time and adjust the time zone according to actual needs.



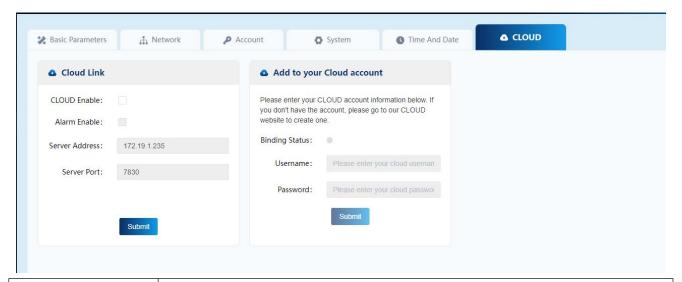
5.7.6. COULD

Please enter the cloud network management system account to bind the device. If



you do not have an account, please register an account in the cloud network management system.

Enter the cloud network management account and password to bind. After the binding is successful, the binding status light turns green.



	Cloud network management is enabled, checked by default. After
CLOUD Enable	unchecking, the device will be disconnected from the cloud
	network management.
Alarm Enable	Checked by default, device alarm information can be detected on
Alaim Enable	the cloud network management.
Server Address	Fill in the server domain name of the cloud network management,
Server Address	default: iptv.soukacatv.com.cn
Conver port	Fill in the server port of the cloud network management, the
Server port	default is 7830
Binding status	Green: Binding successful; Gray: Unbound
Username	User name registered on the cloud network management system



Password	Password registered on the cloud network management system

6. Equipment operation precautions

The company's product quality assurance system includes equipment testing and operating procedure inspections to ensure the reliability of product quality. The company has taken all possible measures before the product leaves the factory. The optical, electrical and mechanical indicators of the products all meet national standards. During use, in order to prevent possible potential problems, the following precautions should be strictly followed for relevant operations

6.1. Precautions

- 1. Place the device at an ambient temperature of 0~45°C. Other conditions meet the required scope of work.
- 2. Make sure the rear panel radiator is well ventilated and make sure all jacks are not blocked
- 3. Check whether the power supply voltage is within the specified range and whether all connections are correct
 - 4. Check whether the adjustment level (dB) change is within its allowable range
 - 5. Check whether the connection of each signal line is loose.
- 6. Please do not switch machines frequently (the switching interval should be at least 10 seconds)



6.2. The chassis needs to be unplugged from the power supply

- 1. The power cord or socket is damaged
- 2. If there is liquid injection equipment
- 3. Any debris falls into the chassis hole, causing an internal short circuit
- 4. Use water or soak
- 5. Collision or internal damage
- 6. Do not use this machine for a long time
- 7. If the preset is restored and the power is turned on, the device still does not work properly
 - 8. Equipment needs maintenance

6.3. Common malfunctions

- ① No signal: Please check whether the modulation standard of the device is consistent with the receiving standard.
- ②Missing program: Please check whether there is a channel conflict, whether the video signal input is normal, and restart the device.

These terms are subject to change without prior notice, and we reserve the right of final interpretation. If you have any further questions, please contact our sales department directly.