

PRODUCT MODEL NUMBER: TL-9508B TUNER TO IP GATEWAY



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CHAPTER 1 INTRODUCTION

1.1 PRODUCT OVERVIEW

TL-9508B Tuner to IP Gateway is a head-end interface conversion device which supports MPTS and SPTS output switchable. It supports 16 MPTS or 512 SPTS output over UDP and RTP/RTSP protocol. It is integrated with tuner demodulation (or ASI input) and gateway function, which can demodulate the signal from 16 tuners into IP package, or directly convert the TS from ASI input and tuner into IP package, then output the IP package through different IP address and ports. BISS function is also embedded for tuner input to descramble your tuner input programs.

1.2 KEY FEATURES

- Supports 16 FTA DVB- S/S2/S2X (DVB-C/T/T2 /ISDB-T/ATSC optional) input, 2 ASI input
- Supports BISS descrambling
- Supports DisEqc function
- > 16 MPTS or 512 SPTS output (MPTS and SPTS output switchable)
- ➤ 2 GE mirrored output (IP address and port number of GE1 and GE2 are different), up to 850Mbps → SPTS
- ➢ 2 independent GE output port, GE1 + GE2 →MPTS
- > Supports PID filtering, re-mapping (Only for SPTS output)
- Supports "Null PKT Filter" function (Only for MPTS output)
- Supports Web operation



1.3 SPECIFICATIONS

		Input				
Optional 1:16 tuners input +2 ASI inputSPTS output						
Optional 2:14 tuners input +2 ASI input MPTS output						
	Optional 3:16 tu	ners input MPTS output				
	Tun	ner Section				
	Standard	J.83A(DVB-C), J.83B, J.83C				
DVB-C	Frequency In	30 MHz~1000 MHz				
	Constellation	16/32/64/128/256 QAM				
	Frequency In	30MHz ~ 999.999 MHz				
	Bandwidth	6/7/8 M bandwidth				
	Input Frequency	950-2150MHz				
	Symbol rate	DVB-S: QPSK 2~45Mbauds;				
DVB-S/S2	Symbolicit	DVB-S2:QPSK 1~45Mbauds, 8PSK 2~30Mbauds				
	Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10				
	Constellation	QPSK, 8PSK				
	Frequency In	950-2150MHz				
DVB-S (Version 2)	Symbol rate	0.5~45Msps				
	Signal Strength	- 6525dBm				
	FEC	1/2, 2/3, 3/4, 5/6, 7/8				
	Constellation	QPSK				
	Max input bitrate	\leq 125 Mbps				



	Frequency In	950-2150MHz				
	Symbol rate	QPSK/8PSK /16APSK :0.5~45 Msps				
	Symboliate	32APSK: 0.5~34Msps;				
DVB-S2 (Version 2)	FEC	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10				
	Constellation	QPSK, 8PSK, 16APSK, 32APSK				
	Frequency In	950-2150MHz				
		QPSK/8PSK /16APSK :0.5~45 Msps				
	Symbol rate	8APSK: 0.5~40Msps				
		32APSK: 0.5~34Msps				
		QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20				
DVB-S2X		8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10				
(Version 2)		8APSK: 5/9-L, 26/45-L				
	FEC	16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L, 26/45, 3/5, 3/5-L, 28/45, 23/36 , 2/3-L, 25/36, 13/18, 7/9, 77/90				
		32APSK: 3/4, 4/5, 5/6, 8/9, 9/10, 2/3-L, 32/45, 11/15, 7/9				
	Constellation	QPSK, 8PSK, 8APSK, 16APSK, 32APSK				
Max input bitrate ≤125 Mbps						
ISDB-T	Input Frequency	30-1000MHz				
AISC	Input Frequency	54MHz ~ 858MHz				
AISC	Bandwidth	6M bandwidth				
		Output				
512 SPTS IP mirro	red output over UDP ar Unicas	nd RTP/RTSP protocol through GE1 and GE2 port, at and Multicast				
16 MPTS IP output and GE2 port (I	(for Tuner/ASI pass-throu P address and port num	ugh) over UDP and RTP/RTSP protocol through GE1 nber of GE1 and GE2 are different), Unicast and Multicast				



Ρ	а	g	е	6
		0		-

BISS Descrambling					
Mode 1, Mod	Mode 1, Mode E (Up to 850Mbps) (descramble individual program)				
	Miscellaneous				
Dimension	482mm×410mm×44mm (W×L×H)				
Approx. weight	3.6kg				
Environment	0~45°C(work); -20~80°C (Storage)				
Power requirements	100~240VAC, 50/60Hz				
Power consumption	20W				

1.4 PRINCIPLE CHART





1.5 APPEARANCE AND DESCRIPTION

Front Panel Illustration



1	Power indicator
2	Reset: Reset webmaster IP address, recover it to default IP address
3	USB port for upgrade
4	NMS port: Network management interface
5	Data port (GE1&GE2) : IP out port
6	ASI input port

Rear Panel Illustration





16 channels RF IN Interface
 Integrated power switch and socket
 Grounding Wire

CHAPTER 2

INSTALLATION GUIDE

This section is to explain the cautions the users must know in some case that possibly 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 ACQUISITION CHECK

When users open the package of the device, it is necessary to check items according to packing list. Normally it should include the following items:

- > TL-9508B Tuner to IP Gateway
- User's Manual
- Grounding Cable
- RF In and Loop Out Cable
- Power Cord

If any item is missing or mismatching with the list above, please contact local dealer.

2.2 INSTALLATION PREPARATION

- > 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

ltem	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: $1X107 \sim 1X1010\Omega$, Grounding current limiting resistance: $1M\Omega$ (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±10%, 50/60Hz or AC 220V±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.
- Coaxial cable's outer conductor and isolation layer should keep proper electric conducting with the metal housing of device.
- 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 25mm².

2.5.1 FRAME GROUNDING

All the machine frames should be connected with protective copper strip. The grounding wire should be as short as possible and avoid circling. The area of the conduction between grounding wire and grounding strip should be no less than 25mm².

2.5.2 DEVICE GROUNDING

Connecting the device's grounding rod to frame's grounding pole with copper wire.



2.6 WIRE'S CONNECTION

The grounding wire conductive screw is located at the right end of rear panel, and the power switch, fuse, power supply socket is just besides, whose order goes like this, power switch is on the left, power supply socket is on the right and the fuse is just between them.

Connecting Power Cord

User can insert one end into power supply socket, while insert the other end to AC power.

Connecting Grounding Wire

When the device solely connected to protective ground, it should adopt independent way, say, share the same ground with other devices. When the device adopts united way, the grounding resistance should be smaller than 1Ω .



Before connecting power cord to TL-9508B Tuner to IP Gateway, user should set the power switch to "OFF".

CHAPTER 3

WEB NMS OPERATION

User 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 the TL-9508B's IP address; otherwise, it would cause IP conflict.



3.1 LOGIN

- > The default IP of this device is 192.168.0.136.
- Connect the PC 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 0 to 255 except 252 to avoid IP conflict).
- Use web browser to connect the device with PC by inputting this device'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.

需要授权		
?	http://192.168.0.136 T在请求您的用户名和密码。该网站说:"Web Server Authentication"	
用户名:	admin]
密码:	••••]
	确定取消	

Figure-1

$\textbf{Summary} \rightarrow \textbf{Status}$

When we confirm the login, it displays the status interface as Figure-2.



o use Web Management				2019-04-15 10:46:45 [E
– Summary – – – – – – – – Status	DEVICE INFO	DRMATION		
Parameters Tuner Input ASI Input TS Config Biss SPTS select System Network Password Save [Restore Backup Load Firmware	System	Software Version: Hardware Version: Web Version: System Version: Product ID: Uptime: Syste	1.33 Build 100 Mar 15 2019 1.b0 1.15 01.01.02.08(EN) 03508216-20000012-00000000-0000 0 Day(s)-00:00:43	0000
can click any item he prresponding interfac	re to enter ce to check			

Parameter→ Tuner input (DVB-C/T/T2/ISDBT)

From the menu on top side of the webpage, click "Tuner Input", it displays the interface where users can check the 16 Tuners input status. TL-9508B supports multi tuners switch manually. (Figure-3)

Summary Status Parameters Strength: Bask Bask Bask Bask CN 000 dB 0.000 Mbps Freq.650.000MHz System 1 DVB-C(J.83 AC) Quality: 0% 0% 0.000 Mbps Freq.650.000MHz System 4 J.838 Quality: 0% 0% 0.000 Mbps Freq.650.000MHz System 6 DVB-C(J.83 AC) Quality: 0% 0% 0.000 Mbps Freq.650.000MHz Save Restore 5 ISDB-T Quality: 0% 0% 0.000 Mbps Freq.650.000MHz Baskup Load 6 DVB-C(J.83 AC) Quality: 0% 0% 0.000 Mbps Freq.650.000MHz Baskup Load 6 DVB-C(J.83 AC) Quality: 0% 0% 0.000 Mbps Freq.650.000MHz Baskup Load 6 DVB-C(J.83 AC) Quality: 0% 0% 0.000 Mbps Freq.650.000MHz 8 DVB-C(J.83 AC) Quality: 0% 0% 0.000 Mbps Freq.650.000MHz 9 DVB-C(J.83 AC) Quality: 0% 0% 0.00	wei						0040 04 45 40.40	
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Quality: O% C/N.0000 dBm 0.000 Mbps Freq 650.000MHz Strength: 0% BER.100e+00 C/N.000 dB 0.000 Mbps Freq 650.000MHz 8 DVB-C(J 83 AVC) Quality: 0% C/N.000 dB 0.000 Mbps Freq 650.000MHz 9 DVB-C(J 83 AVC) Quality: 0% C/N.000 dB 0.000 Mbps Freq 650.000MHz 9 DVB-C(J 83 AVC) Quality: 0% C/N.000 dB 0.000 Mbps Freq 650.000MHz			oucingui.	010	BER: 1.00e+00			
B DVB-C(J.83 ArC) Quality: 0% C/N.00.00 dB Power: 0.000 Mbps Freq:650.000MHz 9 DVB-C(J.83 ArC) Quality: 0% C/N.00.00 dB BER: 0.000 Mbps Freq:650.000MHz 9 DVB-C(J.83 ArC) Quality: 0% C/N.00.018 C/N.00.00 dB 0.000 Mbps Freq:650.000MHz		7 DVB-C(J.83 A/C)	Quality : Strength:	0%	Power: -103.00 dBm BER: 1.00e+00	🔴 0.000 Mbps	Freq:650.000MHz	Edit
9 DVB-C(J.83 A/C) Quality : 0% C/N: 0.00 dB Power: -103.50 dBm 🔶 0.000 Mbps Freq:650.000MHz		8 DVB-C(J.83 A/C)	Quality : Strength:	0% 0%	C/N: 0.00 dB Power: -103.50 dBm BER: 1.00e+00	🔴 0.000 Mbps	Freq:650.000MHz	Edit
Discouting		9 DVB-C(J.83 A/C)	Quality :	0%	C/N: 0.00 dB Power: -103.50 dBm	0.000 Mbps	Freq:650.000MHz	Edit
Strength. U79 BER: 1.00e+00			Strength:	0%	BER: 1.00e+00			and the second second

Figure-3



Clicking "Edit" to set parameters for tuner:



DVB-T2



DVB-T



DVB-C (J.83A/C)



Detail Parameter		
Demodulation:	J.83B	•
Frequency:(60-890)	650.000	MHz
Symbolrate:(1000-9000)	5057	Ksps
Constellation:	64 QAM	•
3		
3		
3		
3		
3		
3	Set	
	00	30
DAR-C	(J.83B)	
Detail Parameter		
Demodulation:	ISDB-T	
Frequency:(60-890)	650.000	MHz
1		

ISDB-T

Set

Close

Parameter→ ASI input

From the menu on top side of the webpage, click "ASI Input", it displays the interface where users can check the 2 channels of ASI input status. (Figure-4)

me to use Web Manage				2018-01-03 15:53:46	EN 中文] [Ex
Summary	ASI INPUT				
Parameters	ASI	1			
Tuner Input		Signal Lock:	•		
ASI Input		Bitrate:	0.000 Mbps		
TS Config	ASI	2			
Biss		Signal Look:	•		
SPTS select		Bitester	0.000.14		
System		Bitrate:	0.000 Mbps		
Network					
Password					
Save Restore					
Backup Load					
Firmware					





$\textbf{Parameter} {\rightarrow} \textbf{TS Config}$

Clicking "TS Config", it displays the interface where users can set the output TS and configure TS ID and ON ID (Figure-5).

Tuner to IP Gate	eway(SPTS)				
iment				2018-01-03 15:53:56	[EN 中文][Exit]
Summary Status	TS CONFIGURATION				
Parameters Tuner Input ASI Input SIS SIS SIS SIS SIS SIS SIS SIS SIS SI	Stream TS ID: ON ID:	1	Default	Арріу	
Network Password Save Restore Backup Load Firmware					

Figure-5

$\textbf{Parameter} \rightarrow \textbf{BISS}$

From the menu on left side of the webpage, clicking "BISS", it displays the interface where users can configure BISS and descramble the input channels (Figure-6).

gement	2019-04-15 10:50:07 [Exit
Summary Status Parameters	BISS CONFIGURATION
 Tuner Input ASI Input TS Config Biss SPTS select 	Index Alias Session Word(0x) Inject ID(0x) Mode Add Del-Ali 1 SW-1 123456789abc 123456789abcde MODE-1 Detail Det
System Network Password Save [Restore Backup Load Firmware	Edit Allas: SW-1 SW(0x 12 character) 123455789acdeff Inject ID:(0x) ID23455789acdeff Mode: MOOF-1 Burned Key: Dicable Obtable Appy



$\textbf{Parameter} \rightarrow \textbf{SPTS Select:}$

From the menu on left side of the webpage, clicking "SPTS Select", it displays the interface where users can choose 16 Tuner input and 2 ASI Input programs to output from IP (max 512 SPTS). (Figure-7)

Status Parameters > Tuner Input > ASI Input > TS Config > Biss > SPTS select	PROGRAM SELECT	[17.989 M] [0.000 M] [0.000 M]	CATFilter	→Normal → Overflow → →Output (prog: 0)
Tuner Input ASI Input TS Config Biss SPTS select	→Lose → Locked →1 Tuner DVB-T/T2 (prog: 0) →2 Tuner DVB-T/T2 (prog: 0) →3 Tuner DVBC (prog: 0) →4 Tuner DVBC (prog: 0) →5 Tuner ISDBT (prog: 0)	[17.989 M] [0.000 M] [0.000 M] [0.000 M]	CAFilter	Normal Overflow
System Network Password Save Restore Backup Load Firmware		(M 000.0] (M 000.0]	PidRemap Refresh Input	
		[0.000 M] [0.000 M] [0.000 M]	All Output	Output Area
	Parse program time out: 60 seconds		Ţ'	

Figure-7

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

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

PID Remap : To enable/disable the PID remapping

Refresh Input To refresh the input program information

Refresh Output 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.





Program Modification:

The multiplexed program information can be modified by clicking the program in the 'output' area. For example, when clicking program in output area, it triggers a dialog box (Figure 8) where users can input new information.

Program Information		^
Program Name:	TV-101	
Program Number:	32	
GE1 Addr:	224.2.2.2	
GE1 Port:	3000	
GE2 Addr:	224.2.2.2	
GE2 Port:	3002	
Protocol:	UDP •	
Biss Key:	•	-
Service Type:	0x01	
Service Provider:	TV-Provider	
PMT PID:	0x0020	
PCR PID:	0x0021	
MPEG-2 Video PID: 🗵	0x0022	
MPEG-1 Audio PID: 🗷	0x0023	
		-
Si	ave Close	٣

Figure-8

Note: TL-9508B support 16 Tuner input and 2 ASI input with 512 SPTS output, the parameter interface is different from MPTS. When users switch SPTS to MPTS, new mode will work after reboot the device.

$\textbf{Parameter} \rightarrow \textbf{BISS:}$

From the menu on left side of the webpage, clicking "BISS", it displays the interface where users can configure BISS and descramble the input channels (Figure-9).



Tuner to IP Gatewa	ау
ent	2018-01-03 15:59:26 [EN 中文] [Exit]
Summary Status	BISS CONFIGURATION
Parameters Tuner Input	Current Output:
ASI Input Biss Program Parse IP Stream Vetwork Date Time Password Save Restore Backup Load Firmware	Index Alias Session CH2 CH3 CH3 CH3 CH3 CH3 CH3 CH3 CH4 CH4 CH5 CH4 CH4 CH5 CH4



Parameter→ **Program Parse**

From the menu on left side of the webpage, clicking "Program Parse", it displays the interface where users can parse the program from the input channels.

When users disable the ASI input, TL-9508B can support 16 Tuner input with 16 MPTS IP output (Figure-10).

Tuner to IP Gate	way	
		2019-04-15 10:52:25 [Exit]
Summary	PROGRAM PARSE	
Status Parameters Tuner Input	ASI Input:	Enable and Disable the ASI input
ASI Input Biss Program Parse	→Lose → Locked →1 Tuner DVB-T/T2 1 (prog: 0) →2 Tuner DVB-T/T2 2 (prog: 0)	[21.230 M] [0.000 M]
System	→3 Tuner DVBC 3 (prog: 0) →4 Tuner DVBC 4 (prog: 0) →5 Tuner ISDBT 5 (prog: 0)	[0.000 M] [0.000 M] [0.000 M]
Network Date Time Password	→ 7 Tuner DVBC 7 (prog. 0) → 8 Tuner DVBC 8 (prog. 0) → 9 Tuner DVBC 9 (prog. 0)	[0.000 M] [0.000 M] [0.000 M]
 Save Restore Backup Load Firmware 	→10 Tuner DVBC 10 (prog: 0) →11 Tuner DVBC 11 (prog: 0) →12 Tuner DVBC 12 (prog: 0)	[0.000 M] [0.000 M] [0.000 M]
	→ 13 Tuner DVBC 13 (prog. 0) → 14 Tuner DVBC 14 (prog. 0) → 15 Tuner DVBC 15 (prog. 0) → 16 Tuner DVBC 16 (prog. 0)	(0.000 M] (0.000 M] (0.000 M] (0.000 M]
	Parse program time out: 60 seconds	



When users enable the ASI input, TL-9508B can support 14 Tuner input and 2 ASI input with 16 MPTS IP output (Figure-11).

Summary Status	PROGRAM PARSE	
► Status		
Descent of a set		
Parameters	ASI Input: enable	•
Tuner Input	Parse	
ASI Input		
Biss	⇒Lose ⇒ Locked	
Program Parse	→1 Tuner DVB-T/T2 1 (prog: 0)	[20.540 M]
► IP Stream	→2 Tuner DVB-T/T2 2 (prog: 0)	[0.000 M]
	→3 Tuner DVBC 3 (prog: 0)	[0.000 M]
System	→4 Tuner DVBC 4 (prog: 0)	[0.000 M]
Network	G Tuner ISDBT 5 (prog. 0)	[0.000 M]
	→7 Tuner DVBC 7 (prog: 0)	[0.000 M]
Date Tille	→8 Tuner DVBC 8 (prog: 0)	[0.000 M]
Password	→9 Tuner DVBC 9 (prog: 0)	[0.000 M]
Backup LL and	→10 Tuner DVBC 10 (prog: 0)	[0.000 M]
Backup Load	→11 Tuner DVBC 11 (prog: 0)	[0.000 M]
 Firmware 	→ 12 Tuner DVBC 12 (prog: 0)	[0.000 M]
	\rightarrow 13 Tuner DVBC 13 (prog: 0)	[0.000 M]
	======================================	[0.000 M]
	\Rightarrow 16 ASI 2 (prog: 0)	[0.000 M]
	1 Contraction of the second	(

Figure-11

Parameter→ IP Stream

TL-9508B supports TS to output in IP (16*MPTS) format through the GE1 or GE2 port. Clicking "IP Stream", it displays the interface where to set IP out parameters (Figure-12).

welcome to ι						GE1	▼ 0:48 [EN ‡	文
	IP STREAM					GE1		
Summary					/			
Status		Output	Port	0.01	- L	GE2		
Parameters		output	or.	GE1				
Tupor Input		Output F	Protocol:	UDP	•			
 ASI Input 	IP Out				1	_		
Biss		Enable	Null PKT Filter	Output IP	Port	UDP	-	
Program Parse		01: 🖽		224.2.2.2	2000	UDP		
IP Stream		02: 101	12	224.2.2.2	2002	RTP/RTSP	-	
System		03: 🖽		224.2.2.2	2004			
Network		04: 22	12	224.2.2.2	2006			
Date Time		05: 00	E	224.2.2.2	2008			
Password		06: 0		224.2.2.2	2010			
Save Restore Backup Load		07: 00	123	224.2.2.2	2012			
 Firmware 		08: 🖽	E	224.2.2.2	2014			
		09: 01	123	224.2.2.2	2016			
		10: 🗉		224.2.2.2	2018			
		11: 🖽	83	224.2.2.2	2020			
		12:10	10	224.2.2.2	2022			
		13: 📖	1	224.2.2.2	2024			
		14: 00		224.2.2.2	2026			
		15: 1		224.2.2.2	2028			
		16: 1		224.2.2.2	2030			

Figure-12



$\textbf{System} \rightarrow \textbf{Network:}$

Clicking "Network", it displays the interface as Figure-13 where to set network parameters.



Figure-13

System \rightarrow Date &Time:

Clicking "Date & Time", it displays the interface as Figure-14 where to set date and time.

uner to IP Gatev	vay						
						2018-01-03 16:02:	²⁰ [EN 中文] [Exit]
Summary Status	DATE & TIME						
Parameters		Date:	2015	- 6	- 1		
Tuner Input		Time:	0	: 4	: 25		
ASI Input							
BISS Program Parse						Apply	
 IP Stream 							
System							
Network							
Date Time							
Password							
Save Restore							
Backup Load							
Firmware							





System \rightarrow Password:

From the menu on left side of the webpage, clicking "Password", it displays the screen as Figure-15 where to set the login account and password for the web NMS.

Tuner to IP Gatewa	ay(SPTS)				
Veb Management			2018-01-03 15:55:56	[EN 中文][Exit]
Summary Status	PASSWORD				
Parameters Tuner Input ASI Input S Config	Modify the login name and password to n by keyboard. The default login name and lowercase character.	nake the device safely.If forget the name or passw I password is "admin".Also please note the capital	word, you can reset it I character and		
 Biss SPTS select 	Current UserName: Current Password:	admin			
System Network	New UserName: New Password:				
Password Save Restore Backup Load Firmware	Confirm New Password:		Apply		

Figure-15

System \rightarrow Save/Restore:

From the menu on left side of the webpage, clicking "Save/Restore", it displays the screen as Figure-16 where to save or restore your configurations.

Tuner to IP Gatew	ay(SPTS)
welcome to use V	2018-01-03 15:56:06 [EN 中文] [Exit]
Summary Status	SAVE CONFIGURATION
Parameters Tuner Input ASI Input	When you change the parameter, you shoud save configuration ,otherwise the new configuration will lost after reboot.
 TS Config Biss SPTS select 	RESTORE CONFIGURATION Save control
System Network Password	Load latest saved configuration,after click the "Restore" then please click the "Save config" button,otherwise the "Restore" parameter will lost after reboot.
Save Restore Backup Load Firmware	FACTORY SET
	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-16



System \rightarrow Backup/Load:

From the menu on left side of the webpage, clicking "Backup/Load", it displays the screen as Figure-17 where to backup or load your configurations.

Tuner to IP Gate	eway(SPTS)
e Web Management	2018-01-03 15:56:16 [EN 中文] [Exit]
Summary Status	BACKUP CONFIGURATION
Parameters Tuner Input ASI Input STS Config Biss STTS select	Backup current configuration to the local file, we suggest do this before set the configuration or update firmware. Backup config LOAD CONFIGURATION
System Network Password Save Restore Backup Load Firmware	Load the backup file to restore your configuration. Warning: 1. New configuration will replace the old one please backup current configuration before load file. If you use a wrong file, the device may not work. 2. Please do not turn off the power while file loading, otherwise the device will not work.
	浏览 ,未选择文件。 Load config

Figure-17

System → Firmware:

From the menu on left side of the webpage, clicking "Firmware", it displays the screen as Figure-18 where to update firmware for the device.

welcome to use		2018-01-03 15:56:26 [EN 中文] [Exit]
Summary Status	FIRMWARE	
Parameters > Tuner Input > ASI Input > TS Config Biss > SPTS select	Warning: 1. Update firmware(software and hardware) to get new function plu update If you use a wrong file, the device may not work. 2. Update will keep a long time, please do not turn off the power, of 3. After update, you must reboot device manually.	ease choose the right firmware to there is a second se
System Network Password Save [Restore Backup Load Firmware	Work Mode: SPTS • Current Software Version: SPTS • Current Hardware Version: SPTS • 词而, 未過建文件, MPTS	Select IP output Mode, click "Apply" and reboot the device then the new mode can start to work.
		mode can start to wo



CHAPTER 4 TROUBLESHOOTING

All TRANSLITE products have been passed the testing and inspection before shipping out from factory. The testing and inspection scheme already covers all the Optical, Electronic and Mechanical criteria which have been published by TRANSLITE. 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 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

TL-9508B Tuner to IP gateway

User's Manual

Grounding Cable

RF_{in} and Loop_{out} Cable

Power Cord

CHAPTER 6 APPLICATIONS





For Sales

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