

Scrambler quick manual

CA setting

Scramble Module	×			Will Lowelland	and a state of the local division of the loc	B) House I	Real			
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	Sumavis 数码视	in in	EMR Scr	amble N	Nodule			🐴 Home 💄	ogout (1) Reboot	7
	CAS	EMM	Scramble	Genera	I					
	CAS	<	☆ > CAS > CAS Group	Jp1						
	CAS Group1		CAS Param							
	CAS Group2							Appl	y Refresh	
	- CAS Group4		CAS Param							
	CAS Group5		EIS	Off						
	CAS Groupo		EIS Port	8000						
			CAS Version	No.2					•	
	CAS Group9		CW Period(s)	10						
	CAS Group10		CSA Version	CSA V1					•	
		0-	CAS System	CAS1	CAS 2	CAS 3	CAS4	CAS5	CAS 6	
			CAS	On •	Off	• off	• Off •	Cu .	Off •	
	CAS Group14	(2)-	CASID	19154	19154	19154	19154	19154	19154	
	CAS Group16	3-	SUB CAS ID	1	1		1	1	1	
	CAS Status	4	ECM Channel ID	1	1			1000 105 50 100	1	
			Main ECMG IP	192.165.58.104	192.165.58.106	192.105.58.107	192.165.58.108	192.165.58.108	192.165.58.109	
		S	Main ECMG Port	2000	2100	2200	2300	2400	2500	
			Backup ECMG IP	192.168.2.10	192.168.2.11	192.168.2.12	192.168.2.13	192.168.2.14	192.168.2.15	
			Backup ECMG Port	2001	2101	2201	2301	2401	2501	
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Step①, choose CAS group 1-16, then turn on the cas function.

Step②, input CAS ID (Decimal or Hex)

Step③, input sub CAS ID

Step@, input main ECMG IP

Step⁽⁵⁾, input main ECMG port.



EMM setting

ramble Module	×		-	_	_	Table 1 is	-	A COLUMN		and little in		_		55
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	CAS	ЕММ		Scra	amble	•	General							
	ЕММ	<	<u>^</u> >	EMM > E	ЕММ									
	EMM			Confi	ig	м	onitor							
			EMM	Config		\bigcirc	8	9	0		(1)		Apply Refresh	i
			No.	EMN	4	CAS ID	SUB CAS ID	EMI Mode	TCR Port	t UDP Port	EMM Bitrate	CAS Versio	on EMM Private Description	
			1	On	• 1	9154	1	TCP+UDP .	3000	3000	500	No.2	• Ox	
			2	Off	▼ 1	9154	1	TCP+UDP •	3001	3001	500	No.2	• Ox	
			3	Off	• 1	9154	1	TCP+UDP •	3002	3002	500	No.2	▼ 0x	
			4	Off	• 1	9154	1	TCP+UDP •	3003	3003	500	No.2	• 0x	
			5	Off	• 1	9154	1	TCP+UDP •	3004	3004	500	No.2	• 0x	
			6	Off Off	• 1	9154	1	TOP-UDP	3005	3005	500	NO.Z		
			8	01	• 1	0154	1		3000	3000	500	N0.2	• 0x	
			9	Off	· ·	9154	1	TCP+UDP •	3008	3008	500	No 2	▼ 0x	
			10	Off	• 1	9154	1	TCP+UDP •	3009	3009	500	No.2	X Ox	
			11	Off	v 1	9154	1	TCP+UDP V	3010	3010	500	No.2	• Ox	
			12	Off	v 1	9154	1	TCP+UDP V	3011	3011	500	No.2	• 0x	-
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Step[®], turn on EMM.

Step⑦, input CAS ID

Step®, input Sub CAS ID

Step⁽⁹⁾, choose TCP+UDP

Step[®], normally CAS use TCP, so set TCP port

Step(1), setting EMM bitrate, normally the value is more than CAS setting.







Scramble setting

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	Sumavision 数码规策										
	CAS	EMM	Scramble	General							
	Scramble	< 🏡	> Scramble > Device >	Card1 ASI 5InOut Card							
0	Device	-	Basic	Key	`						
@-	Port 1	ard		e	, ,			Apply	Refresh		
	Port 2		Port CAS	EMM1 🔶	EMM2	EMM3	EMM4	EMM5	EMM6		
	Card2 No Card		1 Group1	¥ 4096	4097	4098	4099	4100	4101		
		_		EMMG1 T	Off •	Off •	Off •	Off •	Off		
	Card5 No Card Card6 DVB-S2 Dem	od Desc C:	2 Off	4096	4097	4098	4099 Off T	4100	01		
	E Main Obe Card Gbe 1 Gbe 2	•	Co	pynghtia 2000-2016 Sun	havision inc. All hgh	ts reserved.)		

Step(12), select the card for channel scramble Step(13), choose the group which already defined Step(14), set EMM Pid

Step(15), choose the EMM group which is already setted.

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Scramble < 🏠 Scra	mble > Device > Card1 ASI 5InOut Card			
P Device	sic Key			
Port 1			Apply Refresh	
Port2 Port	Key Mode	Fixed Key		
Cand3 No Card	Fixed •	0123456789ABCDEF		
Gards No south Gards No south Cards DVB-S2 Demod Desc Ci Fi Num Obe Card Cord 2	16			
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Step(16), choose key function, the key use Random.



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	Sumavision 数码视讯	EMR Scramble	Modu	lle	Home Logout OReboot	
	CAS EMM	Scramble Gener	ai			
1	Scramble <	Scramble > Device > Card1 ASI 5I	nOut Card > Po	ort 1	0	
•	E-Device	Program Scramble		(19	20	
67.	Port 1				Apply Refresh	
U	Port 2	Program List	SCG ID	CASID ECTIPID	Acce s Criteria Data ECM Private Data	
	Card2 No Card	CCTV 2(SID:2)			· • •	
	Card4 No Card	Mpeg2 Video PID 514	2	19154 5180	0x A00102F011000100010F 0x	
	- Card5 No Card	Mpeg2 Audio PID 515				
	Card6 DVB-S2 Demod Desc C:	CCTV 10(SID:4)				
	Gbe 1	Mpeg2 Video PID 1025	4	19154 5181	0x A00102F011000100010002F * 0x	
	Gbe 2	Mpeg2 Audio PID 1026				
		Phx Infonews Channel(SID:17)				
		Mpeg2 Audio PID 4353	17	19154 5182	0x A00102F011000100010003F * 0x	
A PARTICIPAL PROPERTY AND		Mpeg2 Video PID 4354				
		Phx Chinese Channel(SID:18)				
		Mpeg2 Audio PID 4609	18	19154 5183	0x A00102F011000100010004F + 0x	
		Mpeg2 Video PID 4610				
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Step⁽¹⁷⁾, choose the port, refresh it, then can get the channel on the right side.

- Step⁽¹⁸⁾, select channel which will scramble
- Step(19), input ECM Pid
- Step²⁰, input AC (Access Criteria) value

BISS setting

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	Sumavision 数码视讯	EMR Scr	amble N	Nodule			🕂 Home 💄L	ogout 🕐 Reboot	
	CAS EMM	Scramble	General						
	CAS	A > CAS > CAS Gro	Jp16						
	CAS Group1 CAS Group2 CAS Group3	CAS Param					Apply	r Refresh	
	CAS Group4	CAS Param							
	CAS Group5	EIS	Off					۲	
	CAS Groupo	EIS Port	8015						
	CAS Group8	CAS Version	No.2					•	
	CAS Group9	CW Period(s)	10						
	CAS Group10	CSA Version	CSA V1					•	
	CAS Group12	CAS System	CAS1	CAS2	CAS 3	CAS4	CAS 5	CAS 6	
	CAS Group13	CAS	On 🔻	Off 🔻	Off 🔻	Off 🔻	Off 🔻	Off 🔻	
	CAS Group14 (23)	CAS ID	9728	19154	19154	19154	19154	19154	
0-	CAS Group15	SUB CAS ID	1	1	1	1	1	1	
	CAS Status	ECM Channel ID	1	1	1	1	1	1	
		Main ECMG IP	192.165.58.105	192.165.58.106	192.165.58.107	192.165.58.108	192.165.58.108	192.165.58.109	
		Main ECMG Port	2000	2100	2200	2300	2400	2500	
		Backup ECMG IP	192.168.2.10	192.168.2.11	192.168.2.12	192.168.2.13	192.168.2.14	192.168.2.15	
		Backup ECMG Port	2001	2101	2201	2301	2401	2501	
	System 😑								
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Step 21, If use BISS, we suggest choose CAS Group 16 for BISS. Step 22, turn on CAS





Step 23, input CAS ID 9728 for BISS



Step 27, choose key function Step 28, select BISS-1 option Step 29, input the key (16 digits)



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	Sumavision 数码规讯	EMR Scramble	Modu	le		Home 1	Logout OReboot	
	CAS EMM	Scramble Gener	al					
	Scramble <		nOut Card > Po	ort 1				
	E-Device	Program Scramble			32			
0	Card1 ASI 5InOut Card Port 1	-			\sim	A	oply Refresh	
30	Port 2	Program List	SCG ID	CAS ID	ECMED	Access Criteria Data	ECM Private Data	
	Card2 No Card	CCTV 2(SID:2)			•			
	Card No Card	Mpeg2 Video PID 514	2	9728	8191	Ox	0x	
	Card5 No Card	Mpeg2 Audio PID 515				· · · · · · · · · · · · · · · · · · ·		
	Card6 DVB-S2 Demod Desc C:	CCTV 10(SID:4)						
	Gbe 1	Mpeg2 Video PID 1025	4	9728	5181	0x A00102F011000100010002F	0x	
	Gbe 2	Mpeg2 Audio PID 1026						
		Phx Infonews Channel(SID:17)						
		Mpeg2 Audio PID 4353	17	9728	5182	0x A00102F011000100010003F	0x	
		Mpeg2 Video PID 4354						
		Phx Chinese Channel(SID:18)						
		Mpeg2 Audio PID 4609	18	9728	5183	0x A00102F011000100010004F	0x	
		Mpeg2 Video PID 4610						
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Step 30, choose the port Step 31, select channel for scramble Step 32, input ECM Pid 8191.

Note: this setting is using in scrambler version 3.0.4.10. If use BISS, on the descramble side, you need put key 12 digits. E.g. the key in scrambler is 1234560012345600, then in descramble side, the key is 123456123456.



When use BISS scramble more than one channel, we need to set those scrambled channel ECM PID 8191, but it will show PID conflict,



so we need set AC Mode to be Sharing. Then all of scrambled channel can use 8191, and also all of channels do not put AC value.

Contact Us

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