OVERVIEW

We provide two M&C methods for our BUC/LNB backup products. One is a GUI application based on RS232 serial port, and the other is M&C based on Ethernet Web page.

GUI application based on RS232 serial port

- Software Development Environment: Microsoft Visual Studio 2013;
- Software Development Language: Visual C #;
- Software operating environment: Windows XP, Windows 8, Windows 10 and other Windows platforms.

GUI INSTALLATION

Connect PC USB and the redundant controller USB interface, PC operating environment needs to be installed <u>.NET</u> <u>Framework 4 or above version</u>. After running the program in the computer and get the display as the figure on the right. Choose the suitable application based on the Redundant System (e.g. 2:1).

Note: The following pictures are for reference only.

() 1:1 (●) NC
() NC
0.00
Run

Beijing SatHarbor Technology Development Co., Ltd. Add: 5F, No.3B, Xingguang New Media Center, Daxing, Beijing, China

Tel: +8610-80259830 Fax: +8610-66537763 Email: sales@satbase.cn Web: www.satbase.cn





In the Device Connections bar, select the connected com port, and Connection Status displays green for Successful Connection.

GUI FUNCTION

- The gain adjustment bar displays and controls the gain information for the SSPB/SSPAs product, and the user can enter or slide the gain as needed. Using the slider to set the gain size, which adjusts the range from 55 to 75dB, 0.25dB per step.
- The SSPB/SSPAs Status bar displays basic information about the master A, master B and the slave device, running parameters and fault indications.
- "Run Status" can achieve real-time monitoring of SSPB/SSPAs operating temperature, current, output power, emission status, etc.

Note: The light indicates red and green, the green light indicates that the device is OK, and the red light indicates a fault.

- "Redundant controller Settings and status" bar enables switching between master and slave devices, firmware upgrades, and entering system time and the function of reading system version numbers.
- Switch: View the current on-line device information in the" Online equipment "and "Standby equipment" bar, and click the Master SSPB/SSPAs button in the" Online equipment "bar to enable switching between the master and the Backup device.
- Firmware Upgrade: "Open File" Select certain upgrade firmware, then click "Update" to complete the entire upgrade action.

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Redundant Monitor										- : 0	
Device Connection	Gain Control										
Select COM	Master A						75 d]	В			
Status Connection	Master B					-	75 dI	3			
Close COM	Slave						55 dl	В			
							1				
UC Status Redundant Control	ler Settings and S	status 1	NetSetting								
Online		Standb	y		Year	Month	Day	Hour	Minute	Second	
					0	0	0	0	0	0	
Master A		Slave	(and)	1.0							
Master B				J.,	Ge	t System Ti	me		Set time		
Serial Number:80600	031										
Firmware Upgrade											
Dir: Size:	ose file	Upl	oad		1						
Date:					18						
Ver:											
					5						
					Ťb.						

• Net setting: Check the IP information.

Redundant Monitor								 - : :	×
Device Connection	Gain Control								
Select COM COM5	Master A				- 1	75 dB			
Status Connection	Master B					75 dB			
Close COM	Slave					55 dB			
		1							
BUC Status Redundant Controll	er Settings and St	tatus	NetSetting	2					
Internet Info			Ir	ternet Setting					
and the second sec	100 100 1 5			IPAddr:		192.168.1.5			
IPAddr:	192 100.1 5			SubMask:		255. 255. 255. 0			
SubMask:	255.255.255.0			GateWay:		192, 168, 1, 254			
GateWay:	192.168.1.254				Save		- 2		
ManagerIP	192.168.1.10			de					
WebAccount	admin		0	thers					
Password	admin			ManagerIP	1	92.168.1.10			
SNMPRead	public			WebAccou	nt	admin			
SNIMPWeite:	private			Password		admin			
Siving white.	private				Save				
Refres	sh								
				SNMP COM	M(Read):	public			
				SNMP COM	M(Write):	private	6		
					Save				

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M&C BASED ON ETHERNET WEB PAGE

Default IP Address

IP Address: 192.168.1.222

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1

If you forgot the IP address, through the Monitor Software, "Net Setting", you can also check the IP Information of the Redundant System.

In the operating PC's Control Panel then Network Connections folder, locate the Local Area Properties of the network card being used. The Internet Protocol needs to be adjusted (even if temporary) to corroborate with the redundant system protocols, for example as the following diagram.

Internet Protocol Version 4 (TCP/IPv4)	Properties ? X
General	
You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings.	matically if your network supports ask your network administrator
Obtain an IP address automatical	ly
• Use the following IP address:	
IP address:	192 . 168 . 1 . 201
Subnet mask:	255.255.255.0
Default gateway:	192.168.1.1
Obtain DNS server address auton	natically
• Use the following DNS server add	resses:
Preferred DNS server:	10.0.0.1
<u>A</u> lternate DNS server:	· · ·
Validate settings upon exit	Ad <u>v</u> anced
	OK Cancel

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Enter the browser (Firefox is the manufacturer's recommended browser http://192.168.1.222), then enter the SSPB/SSPAs Web page. Take the following picture as example. You can select Status, SSPB/SSPAs Information, SSPB/SSPAs Parameter Setting, SNMP Setting.



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	Moni&	Setting	
StatusMoni	Information	ParaSetting	SNMPSetting
	BUC Mas	ster Info	

SN SoftVer V1.1.9 Baud 9600bps

BUC Master Info

SN		
SoftVer	V1.1.9	
Baud	9600bps	

BUC Slave Info

SN		
SoftVer	V1.1.9	
Baud	9600bps	

Network Info

IPAddr	192.168.1.5
Netmask	255.255.255.0
Gateway	192.168.1.254

Tel: +8610-80259830 Fax: +8<u>610-66537763</u> -mail: sales@satbase.cr Neb: ww<u>w.satbase.cn</u>



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Mon	i&&Setting			
StatusMoni Informa	tion Para	Setting	SNMP	
Maste	erParaSetting	J	<u>Reflash</u>	
Attenuation Set (0~20dB,0.25dB Step): TX ON/OFF: Maste	ON ON PrParaSetting	S • (ave	
Attenuation Set (0~20dB,0.25dB Step: TX ON/OFF: Slave	0 ON ParaSetting) (S • ({	ave	
Attenuation Set (0~20dB,0.25dB Step): TX ON/OFF:	0 [ON	s •	ave	
Mar	nul Switch			
Online	Master Work	~	Set	
N	et Setting			
IP Addr:	192.168.1.111			
SubMask:	255.255.255.0			
GateWay:	192.168.1.254			
Port:	6004			
ManagerIP:	192.168.1.123			
0-1-1-1-1-1	Save			
Caution: verify the	e NetPara, Dev need i	reboot!		
WebPas	ssword Settin	ng		
WebLoginAcount:	admin			
WebLoginPassWd:	admin			
	Save			

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Tel: +8610-80259830 Fax: +8610-66537763 Email: sales@satbase.cr Web: www.satbase.cn



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StatusMoni Information ParaSetting SNMP SNMP Community Set Read Community: public Set Community: public
SNMP Community Set Reflash Read Community: public Set Community: public
Read Community: public Set Community: public
Set Community: public
Save

*** The details contained in this document, including product and feature specifications, are subject to change without notice.

Email: sales@satbase.cr Neb: www.satbase.cn

