

EOC Master Manual

Content

EOC Master Manual.....	1
Content.....	1
Preface.....	2
1. Equipment Diagram.....	3
1.1 1RF IN 1RF OUT INDOOR.....	3
1.1.1 Port.....	3
1.1.2 Upper cover plate.....	3
1.2 2RF IN 2RF OUT INDOOR.....	4
1.2.1 Port.....	4
1.2.2 Upper cover plate.....	4
2. WEB Network Management.....	4
2.1 SYSTEM MANAGEMENT.....	4
2.2 CARD MANAGEMENT.....	9
2.3 SLAVE MANAGEMENT.....	1 0
2.4 SYSTEM LOG.....	1 0
2.5 SYSTEM SOFTWARE.....	1 1
Attachment.....	1 2

Preface

This manual is intended for use by users, employees of the company and personnel approved by the company. Without the written consent of the company, no unit or individual shall copy, reprint, adapt, excerpt, transfer, translate, annotate, organize, publish or disseminate all or part of the contents of the manual in any way.

The company reserves the right to revise the contents of this manual according to the product improvement without informing the user in advance. If you find any inconsistencies or questions between this manual and the actual products, please contact our technical service center.

Manual

Content

This manual mainly introduces the function of equipment to enable relevant personnel to open business quickly.

Reading object

Users of this manual include: engineering installation and maintenance personnel, operation personnel and training personnel

1. Equipment Diagram

1.1 1RF IN 1RF OUT INDOOR

1.1.1 Port



ETH1~2: Eth signal Input, 1000M

TV IN: TV signal Input

TV+D OUT: Mixed (TV and Eth) signal Output

DC12V: Power supply

1.1.2 Upper cover plate



PWR: Be ON when be powered normally

CAB: Be ON when data is being transmitted

ETH1: Be ON when Eth1 is connected

ETH2: Be ON when Eth2 is connected

Reset

When pressing the button for more than 4 seconds to reset master. After resetting master, the default IP address is 192.168.1.6, and at this moment master is restored to the factory settings.

1.2 2RF IN 2RF OUT INDOOR

1.2.1 Port



ETH1~2: Eth signal Input, 1000M

TV+D OUT 1: The 1st mixed (TV and Eth) signal Output

TV IN 1: the 1st TV signal Input

TV+D OUT 2: the 2nd mixed (TV and Eth) signal Output

TV IN 2: The 2nd TV signal Input

DC12V: Power supply

1.2.2 Upper cover plate



PWR: Be ON when be powered normally

CAB: Be ON when data is being transmitted

ETH1: Be ON when Eth1 is connected

ETH2: Be ON when Eth2 is connected

Reset

When pressing the button for more than 4 seconds to reset master. After resetting master, the default IP address is 192.168.1.6, and at this moment master is restored to the factory settings.

2. WEB Network Management

2.1 System Management

Connect master to PC by any Eth port of master , ensure that the computer network segment and Master network segment are in the same network segment (Master default is 192.168.1.6).

Open IE browser, input Master IP address(192.168.1.6) to login WEB interface. The default system name and password both are **admin**.

Note: When master is restored to the default settings, IP address is 192.168.1.6

2.1.1 System Management---System Information



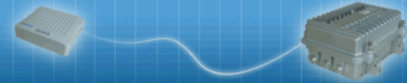
The screenshot shows the Cab-Link web interface. The top banner features the Cab-Link logo and the slogan "One cable connecting makes the world connect". Below the banner is a navigation bar with tabs: System Information (selected), Flow Statistics, Network, Function, Port Management, Broadcast Storm, Port Mirroring, ACL, Trap, and SNMP Community. On the left side, there is a vertical menu with options: System Management, Card Management, Slave Management, System Log, System Software, Configuration Management, and Exit. The main content area is titled "System Information" and displays the following data:

Network Information	
Current Software Version:	D10M4 A01.18RD13.V1.0.2.17
Current IP Address:	192.168.1.6
Current Subnet Mask:	255.255.255.0
Current Gateway:	192.168.1.1
Ethernet MAC Address:	00.0e.a3.fb.12.6b
memory info	
memory usage:	35.70%
cpu info	
CPU usage:	3.11%
SNMP Information	
MIB Version:	2012
Card Information	
MAC at the coaxial layer of card 1 :	00.0e.a3.fb.12.6a
Software version of card 1 :	MSE1000-MAC-7-1-7131-00-17-20190111

Here to show some information of master, eg, the current software version, IP address and MAC address, CPU usage, MIB, MAC at the coaxial layer and software version at transmission layer.

2.1.2 System Management---Flow Statistics

To check flow information



Flow Statistics

Statistics Port: **Ethernet 1** ▼

Receive

Bytes	197575
Packets	1401
FcsErr	4
64BytePackets	741
128BytePackets	492
256BytePackets	36
512BytePackets	0
1024BytePackets	136
1518BytePackets	0
MaxBytePackets	0
Unicast	994
Broadcast	53

Send

Bytes	710110
Packets	1259
FcsErr	0
64BytePackets	335
128BytePackets	309
256BytePackets	60
512BytePackets	43
1024BytePackets	154
1518BytePackets	358
MaxBytePackets	0
Unicast	1249
Broadcast	10

Refresh

Clear

2.1.3 System Management---Network


Here the user can set IP address, subnet mask, gateway, Eth port vlan of master. Restart master after settings, and enter web by new IP address.



The screenshot shows the Cab-Link web interface. At the top, there's a blue header with the Cab-Link logo and the slogan "One cable connecting makes the world connect". Below the header, there's a navigation bar with tabs: System Information, Flow Statistics, Network (selected), Function, Port Management, Broadcast Storm, Port Mirroring, ACL, Trap, and SNMP Community. On the left side, there's a vertical menu with links: System Management, Card Management, Slave Management, System Log, System Software, Configuration Management, and Exit. The main content area is titled "Network Management" and contains a form for configuring network settings. The form includes fields for System ID, IP Address (192.168.1.6), Subnet Mask (255.255.255.0), Gateway (192.168.1.1), and Vlan (0). A "Set" button is located below the form. A note at the bottom states: "The range of vlan is 0~4095, 0 indicates to cancel vlan."

2.1.4 System Management---Function

Here the user can modify the related function configuration. Please read the introduction of related functions on the interface carefully (it is generally not recommended for customers to modify by themselves).



One cable connecting makes the world connect

Based on MSE1000 Chip and HomePlug AV standard

System Management
Card Management
Slave Management
System Log
System Software
Configuration Management
Exit

System Information Flow Statistics Network **Function** Port Management Broadcast Storm Port Mirroring ACL Trap SNMP Community

Function Management

Loopback Detection	Enable
Active Learning Enable	Default
Slave Permission To Access Master	Disable
Loopback Detection Automatic Recovery Enable	Enable
SSH Enable	Disable
Slave isolation	Enable
Master isolation	Disable
WiFi Enable	Enable
WAN Enable	Enable
WAN Transparent Enable	Disable
WiFi ModeChange Enable	Disable
WiFi Mode Selection	unchangeable
Slave Trafficstats Enable	Disable
Default Authorization	Authorization
Command Configuration Cycle (s)	60
Auth Mode	WhiteList Mod

2.1.5 System Management---Port Management

Here the user can configure master Eth port: flow control, working mode, port enabling, port type. The working mode and port enable of the coaxial port can not be modified.



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System Management
Card Management
Slave Management
System Log
System Software
Configuration Management
Exit

System Information Flow Statistics Network Function **Port Management** Broadcast Storm Port Mirroring ACL Trap SNMP Community

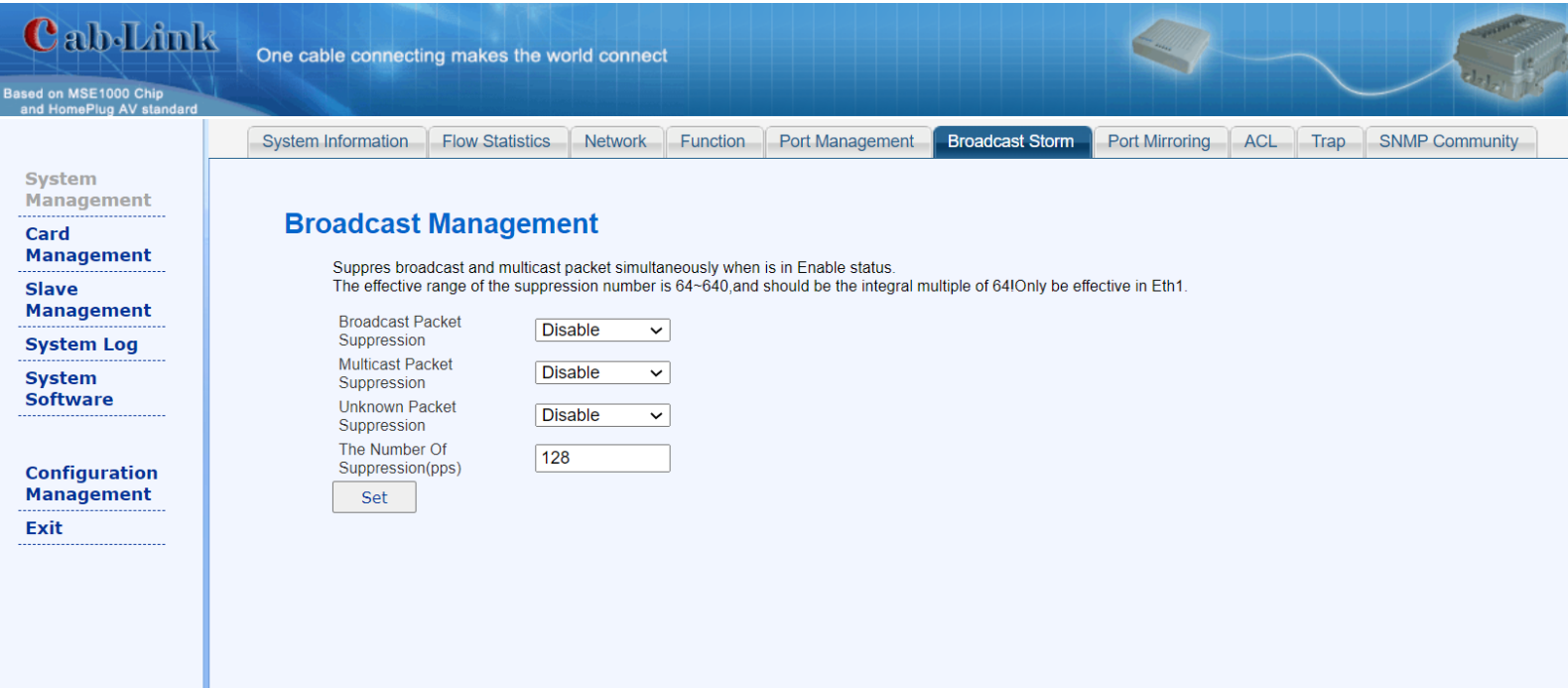
Port Property

Port	Work Mode	Port Enable	Link State	Flow Control Enable	Port Mode
Ethernet 1	1000M/Full	Enable	Link	Enable	Business Port
Ethernet 2	Auto-neg	Enable	Unlink	Enable	Business Port
Cable Port	1000M/Full	Enable	Link	Enable	Business Port

Set

2.1.6 System Management---Broadcast Management

Here to set the suppression of broadcast packet, multicast packet and unknown packet



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Card Management
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System Software
Configuration Management
Exit

System Information Flow Statistics Network Function Port Management **Broadcast Storm** Port Mirroring ACL Trap SNMP Community

Broadcast Management

Suppres broadcast and multicast packet simultaneously when is in Enable status.
The effective range of the suppression number is 64~640,and should be the integral multiple of 64!Only be effective in Eth1.

Broadcast Packet Suppression

Multicast Packet Suppression

Unknown Packet Suppression

The Number Of Suppression(pps)

2.1.7 System Management---Port Mirroring

This function is mainly used to catch packet for the technical personnel



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System Management
Card Management
Slave Management
System Log
System Software
Configuration Management
Exit

System Information Flow Statistics Network Function Port Management **Port Mirroring** ACL Trap SNMP Community

Port Mirroring

Mirror Enable

Src Port

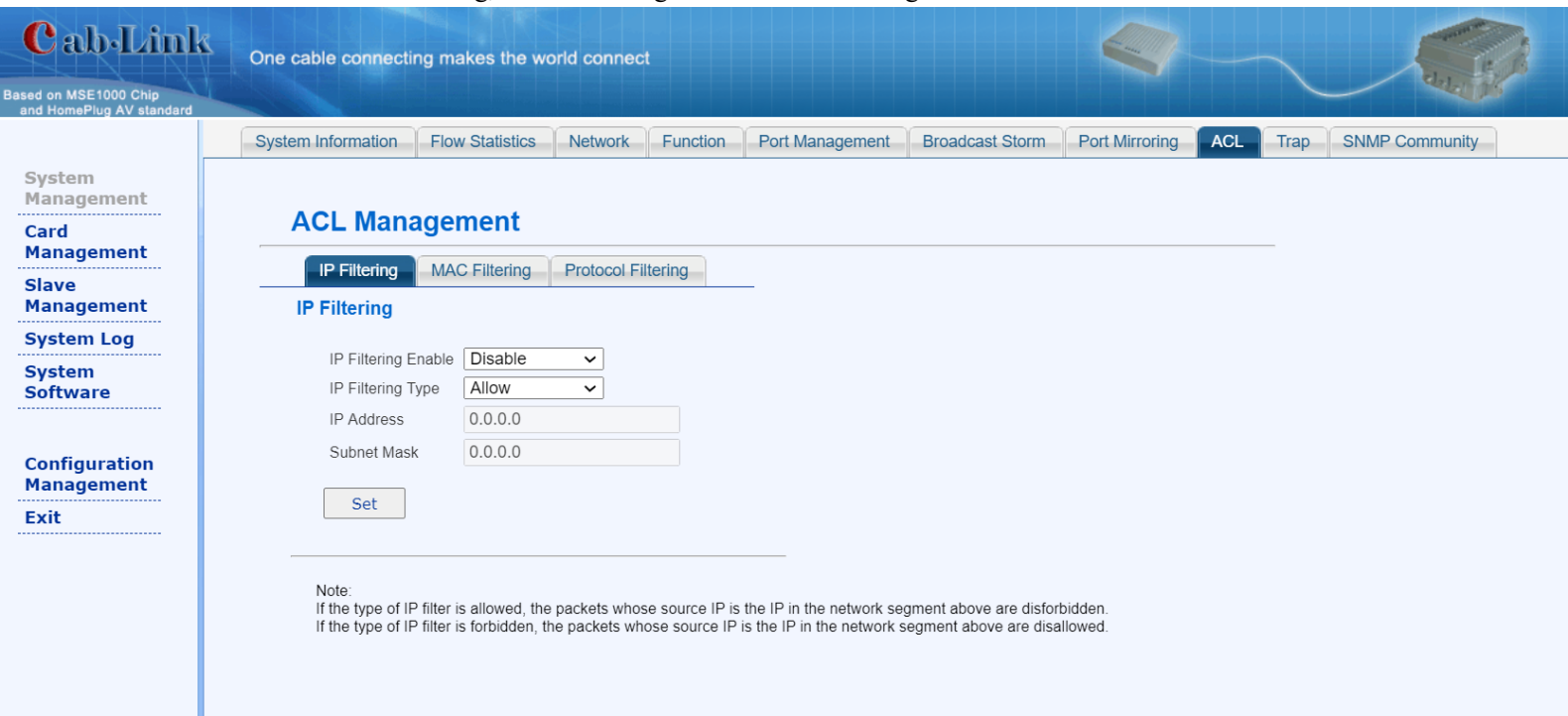
Mirror Type

Des Port

The source port should be different with the destination port.

2.1.8 System Management---ACL

Here the user can set IP Filtering, MAC Filtering and Protocol Filtering



The screenshot shows the WodaPlug web interface. At the top, there's a banner with the 'Cab-Link' logo and the slogan 'One cable connecting makes the world connect'. Below the banner is a navigation bar with tabs: System Information, Flow Statistics, Network, Function, Port Management, Broadcast Storm, Port Mirroring, ACL (selected), Trap, and SNMP Community. On the left side, there's a sidebar menu with links: System Management, Card Management, Slave Management, System Log, System Software, Configuration Management, and Exit. The main content area is titled 'ACL Management' and has three sub-tabs: IP Filtering (selected), MAC Filtering, and Protocol Filtering. Under 'IP Filtering', there are fields for 'IP Filtering Enable' (set to 'Disable'), 'IP Filtering Type' (set to 'Allow'), 'IP Address' (set to '0.0.0.0'), and 'Subnet Mask' (set to '0.0.0.0'). A 'Set' button is below these fields. A note at the bottom states: 'Note: If the type of IP filter is allowed, the packets whose source IP is the IP in the network segment above are disforbidden. If the type of IP filter is forbidden, the packets whose source IP is the IP in the network segment above are disallowed.'

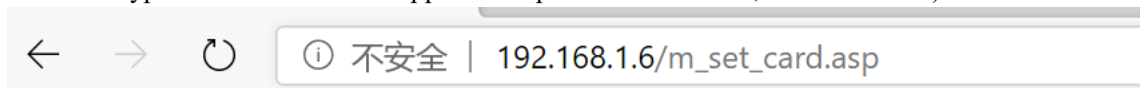
2.1.9 Card Set

Input http://192.168.1.6/m_set_card.asp

Here the user can set Card serial Number, MAC, language, MIB, HFID and work frequency(it is generally not recommended for customers to modify by themselves).

After settings, click set, and restart master, then the settings takes effective.

(we have other types of masters which support multiple master modules, we call it card.)



Card Set

Card Serial Num	<input type="text" value="123456789"/>
Card Number	<input type="text" value="1"/>
Card1-MAC	<input type="text" value="00:0e:a3:fb:12:6a"/>
System Language	<input type="text" value="English"/>
MIB Version Set	<input type="text" value="2012 mib"/>
HFID Check	<input type="text" value="Check"/>
Dev card type	<input type="text" value="1000"/>
Freq band width(AV/AV2)	<input type="text" value="67.5MHz(AV)"/>

Close this page ☐

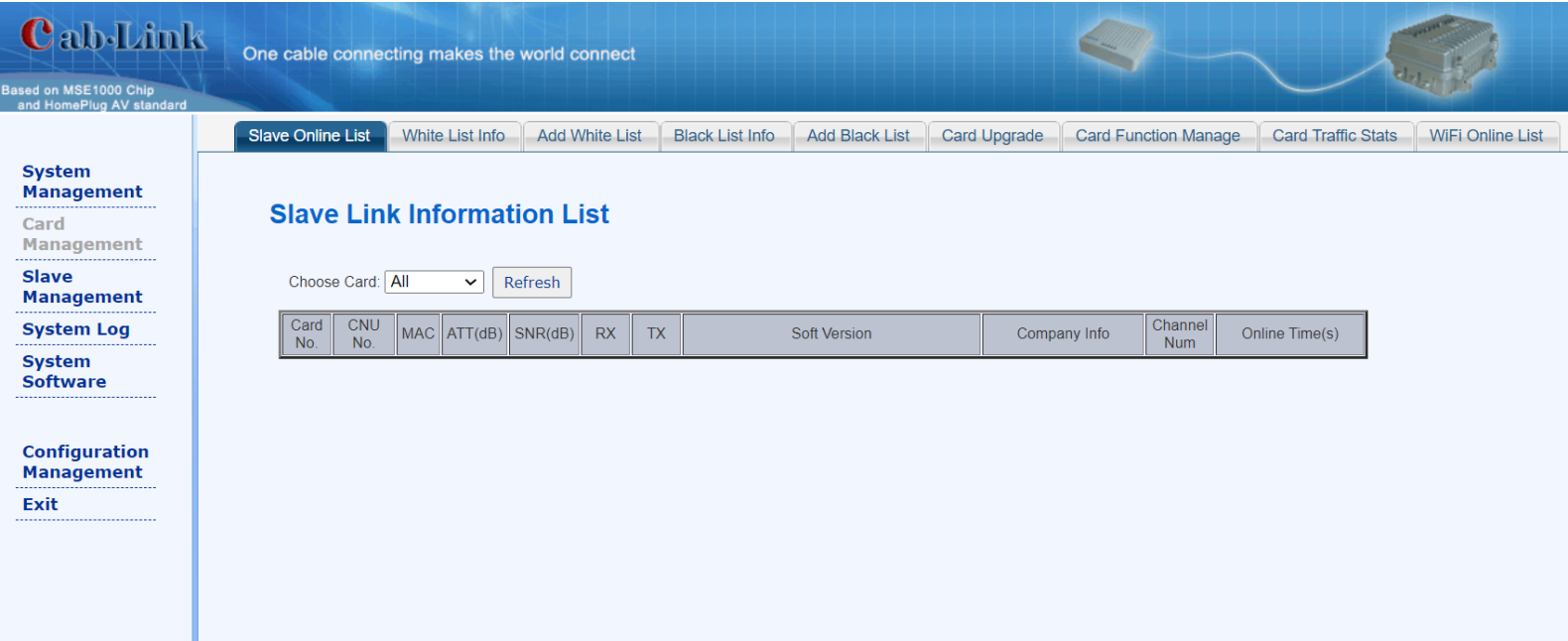
Factory deaault after setting ☐

dev type change (7410/1000) or frequency band width need factory deaault

2.2 Card Management

2.2.1 Card Management---Slave online list

Here to show all online slaves information under this master



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Based on MSE1000 Chip and HomePlug AV standard

System Management
Card Management
Slave Management
System Log
System Software
Configuration Management
Exit

Slave Online List White List Info Add White List Black List Info Add Black List Card Upgrade Card Function Manage Card Traffic Stats WiFi Online List

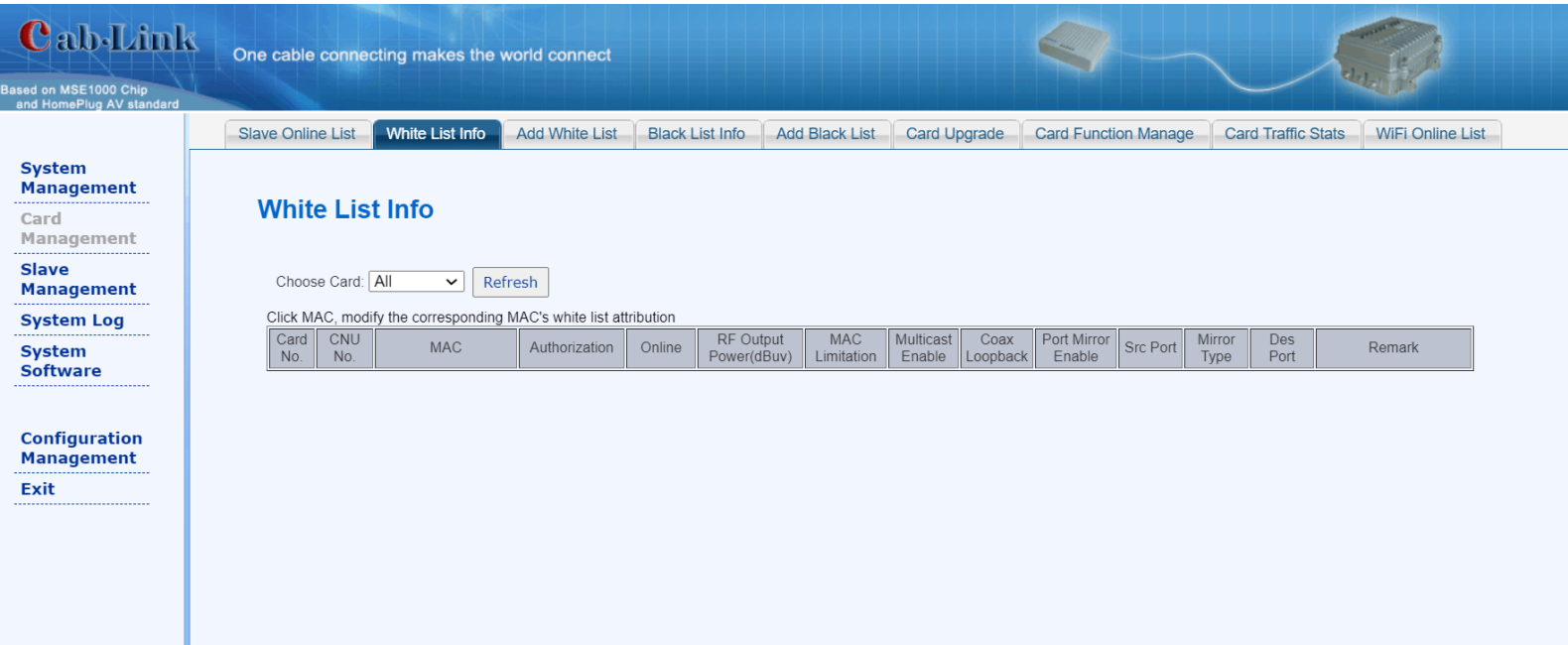
Slave Link Information List

Choose Card:

Card No.	CNU No.	MAC	ATT(dB)	SNR(dB)	RX	TX	Soft Version	Company Info	Channel Num	Online Time(s)
----------	---------	-----	---------	---------	----	----	--------------	--------------	-------------	----------------

2.2.2 Card Management---White list info

Here to show information of both online and offline slaves under this master



Cab-Link One cable connecting makes the world connect

Based on MSE1000 Chip and HomePlug AV standard

System Management
Card Management
Slave Management
System Log
System Software
Configuration Management
Exit

Slave Online List White List Info Add White List Black List Info Add Black List Card Upgrade Card Function Manage Card Traffic Stats WiFi Online List

White List Info

Choose Card:

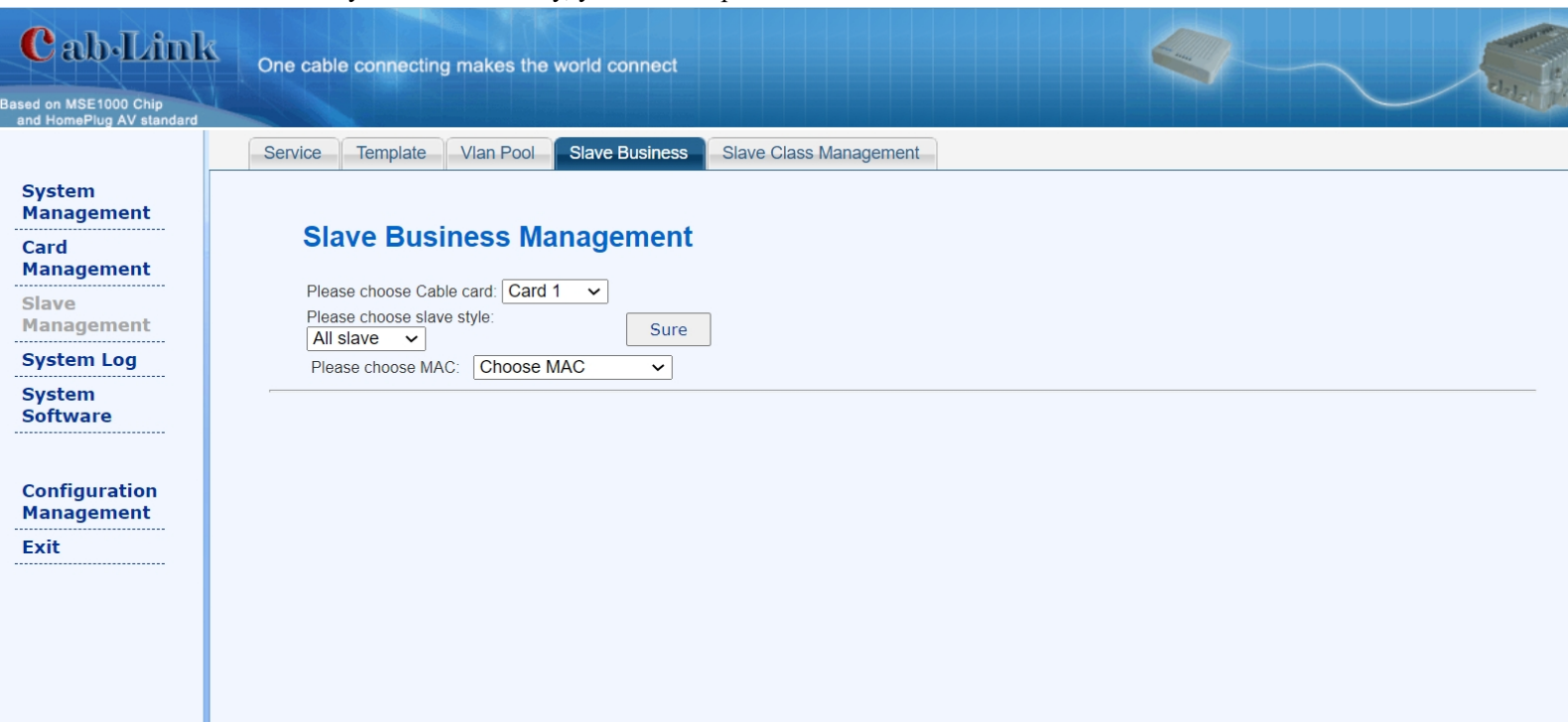
Click MAC, modify the corresponding MAC's white list attribution

Card No.	CNU No.	MAC	Authorization	Online	RF Output Power(dBuv)	MAC Limitation	Multicast Enable	Coax Loopback	Port Mirror Enable	Src Port	Mirror Type	Des Port	Remark
----------	---------	-----	---------------	--------	-----------------------	----------------	------------------	---------------	--------------------	----------	-------------	----------	--------

2.3 Slave Management

2.3.1 Slave Management---Slave Business

Choose slave MAC you want to modify, you can set speed limit and VALN.



The screenshot shows the Cab-Link web interface. The top banner features the Cab-Link logo and the slogan "One cable connecting makes the world connect". Below the banner, a navigation menu on the left lists: System Management, Card Management, Slave Management, System Log, System Software, Configuration Management, and Exit. The main content area has tabs for Service, Template, Vlan Pool, Slave Business (selected), and Slave Class Management. The "Slave Business Management" section contains three dropdown menus: "Please choose Cable card:" (set to Card 1), "Please choose slave style:" (set to All slave), and "Please choose MAC:" (set to Choose MAC). A "Sure" button is located next to the slave style dropdown.

2.4 System log

2.4.1 System log---System log



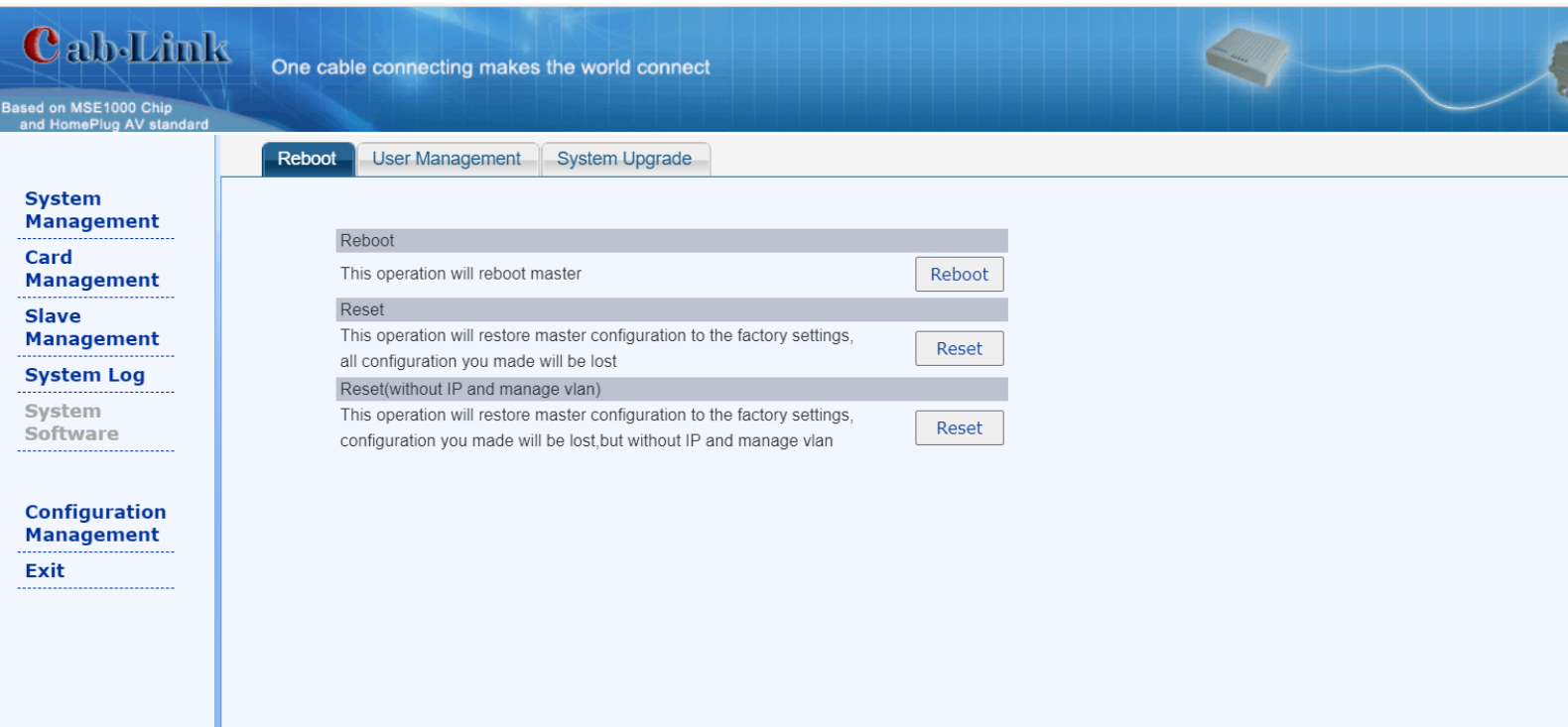
The screenshot shows the Cab-Link web interface with the "System Log" tab selected. The left navigation menu is the same as in the previous screenshot. The main content area is titled "Log Information" and displays a list of system log entries in a text area. A "Refresh" button is located to the right of the log entries.

```
Jan 1 00:00:04 mcr500_eoc_master daemon.info init: init: starting
pid 362, tty '/dev/null': '/usr/sbin/snmpd -f -Ln'
Jan 1 00:00:04 mcr500_eoc_master daemon.info init: init: starting
pid 363, tty '/dev/ttyS0': '/sbin/getty -L ttyS0 115200 vt100'
Jan 1 00:00:04 mcr500_eoc_master user.info kernel: device eth0
entered promiscuous mode
Jan 1 00:00:05 mcr500_eoc_master user.notice syslog: Manager Daemon
Running
Jan 1 00:00:06 mcr500_eoc_master user.err kernel: Synop3504: eth0:
link up (100/Full)
Jan 1 00:00:07 mcr500_eoc_master user.debug syslog: reg--69c, data-
-14005f
Jan 1 00:00:07 mcr500_eoc_master user.debug syslog: reg--690, data-
-14006f
Jan 1 00:00:07 mcr500_eoc_master user.debug syslog: reg--678, data-
-14007b
Jan 1 00:00:07 mcr500_eoc_master user.debug syslog: reg--690, data-
-14006f
Jan 1 00:00:07 mcr500_eoc_master user.debug syslog: reg--6a8, data-
```

2.5 System Software

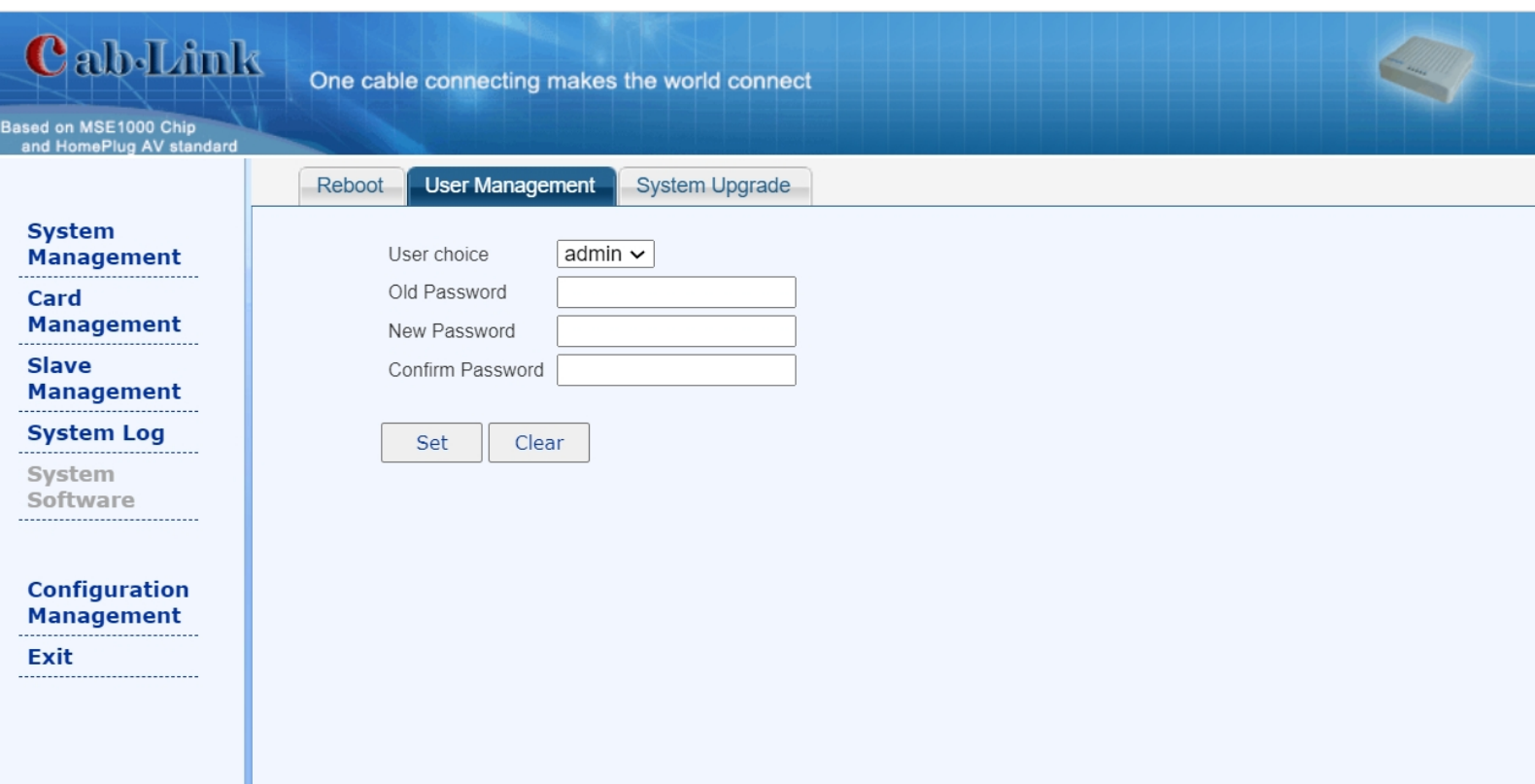
2.5.1 System Software---Reboot

Here the user can reboot or reset master according to the different requirements.



2.5.2 System Software---User Management

Here the user can modify login password.



Cab-Link One cable connecting makes the world connect

Based on MSE1000 Chip and HomePlug AV standard

Reboot **User Management** System Upgrade

System Management
Card Management
Slave Management
System Log
System Software
Configuration Management
Exit

User choice: admin ▼

Old Password:

New Password:

Confirm Password:

Set Clear

Attachment

Clauses of Maintenance for Communication Series Products.

If you buy the communication series products manufactured by our company, we'll provide free maintenance service of three years to you.

If inconsistent with the specific warranty terms, subject to contract:

1. We guarantee free replacement within first 6 months. The 1st year if the product is used correctly according to the operation manual, but happen failures under the normal application condition, only charge the cost of the device. The 2-3rd year, will charge the cost of the components and labor.
2. In the following cases, some maintenance cost will be charged:
 - a. Stricken by thunder high voltage, watering.
 - b. Damage caused by accidents.
 - c. Product exceeds the warranty period.
3. Manufacture declaration:

After receiving your goods, please check them and send back the receipt to our company. We will keep it in the archives as equipment warranty proof. Otherwise, our company will deem that the customers give up warranty right.