

Software
IP Utility
V3.00.03

User's Manual

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1

Getting Started

Install IP Utility

IP utility is installed along with the IP control center installation. To run this software, please install IP control center first.

Start IP Utility

To start IP Utility, double-click the “IP Utility” icon on the desktop.





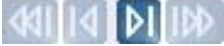

After double-click “IP Utility”, you will see the page.

Detail	#	Hostname	LAN IP	WAN IP	MAC	Version	Model	Account	Password
	1		192.168.1.76	10.0.0.1	00:0F:7C:00:08:9A	B1D-V1.01.03-AC			
	2		192.168.0.75	192.168.1.75	00:0F:7C:00:08:93	B1D-AG-V1.01.04-AC			
	3		172.16.1.61	210.202.25.97	00:0F:7C:00:12:32	A1D-P0V-V1.02.02-AC	Video Server		
	4		192.168.1.77	172.16.1.75	00:0F:7C:00:0F:18	A4Q-P0V-V1.02.00-AC	IP Quad		
	5		192.168.0.100	192.168.1.73	00:0F:7C:00:10:37	A4Q-P0V-V1.02.00-AC	IP Quad		
	6		192.168.0.100	192.168.1.74	00:0F:7C:00:1A:46	A1D-P2N-V2.00.06-AC	Video Server		
	7		172.16.1.64	210.202.25.100	00:0F:7C:00:07:EB	A1D-P0V-V1.02.02-AC	Video Server		
	8		172.16.1.63	210.202.25.99	00:0F:7C:00:07:FD	A1D-P0V-V1.02.02-AC	Video Server		
	9		172.16.10.11	172.16.1.72	00:0F:7C:00:08:07	A1D-V1.01.05-AC			
	10		192.168.0.100	192.168.1.72	00:0F:7C:00:18:06	A1D-P2N-V2.00.06-AC	CAN5200		
	11		172.16.1.62	210.202.25.98	00:0F:7C:00:08:04	A1D-P0V-V1.02.02-AC	Video Server		
	12		192.168.10.150	10.0.0.1	00:0F:7C:00:1A:48	A1D-P2N-V2.00.06-AC	Video Server		
	13		192.168.1.36	10.0.0.1	00:0F:7C:00:77:98	A4Q-P0V-V1.01.01-AC	IP Quad		
	14		192.168.1.41	10.0.0.1	00:0F:7C:65:56:32	A1D-P2N-V2.01.00-AC	DDDDDD		
	15		192.168.1.110	10.0.0.1	00:0F:7C:00:08:C5	A1D-P0V-V1.02.04-AC	Video Server		
	16		192.168.1.114	10.0.0.1	00:0F:7C:00:08:C3	A1D-P0V-V1.02.04-AC	Video Server		
	17		192.168.1.175	172.16.1.175	00:0F:7C:00:07:F1	A1D-P0V-V1.02.04-AC	Video Server		
	18		192.168.1.71	172.16.1.72	00:0F:7C:00:13:9C	A1D-P0V-V1.02.04-AC	SEM1020		
	19		192.168.0.100	172.16.1.75	00:0F:7C:45:14:90	A1D-P0V-V1.11.00-AC	DDDDDD		
	20		192.168.1.111	210.202.25.102	00:0F:7C:00:08:C8	A1C-P0V-V1.02.04-AC	Video Server		

Figure 1. IP Utility

1. **Listing** : Listing of available servers. User can edit “Hostname”

“LAN IP“ “WAN IP” of connections in this page.

2.  : User can upgrade firmware to video server/IP camera/Transcoder in this page by uploading firmware image and MD5 file.
3.  : User can backup and restore the settings of a specific server in this page.
4.  : “First Page” “Previous Page” “Next Page” “Last Page”,click these buttons to skim over listing.
5.  : Click this button to close IP Utility.

2

IP Utility Listing User Interface

IP Utility is designed with a user-friendly interface, and deployed with minimal training.

Understanding the User Interface

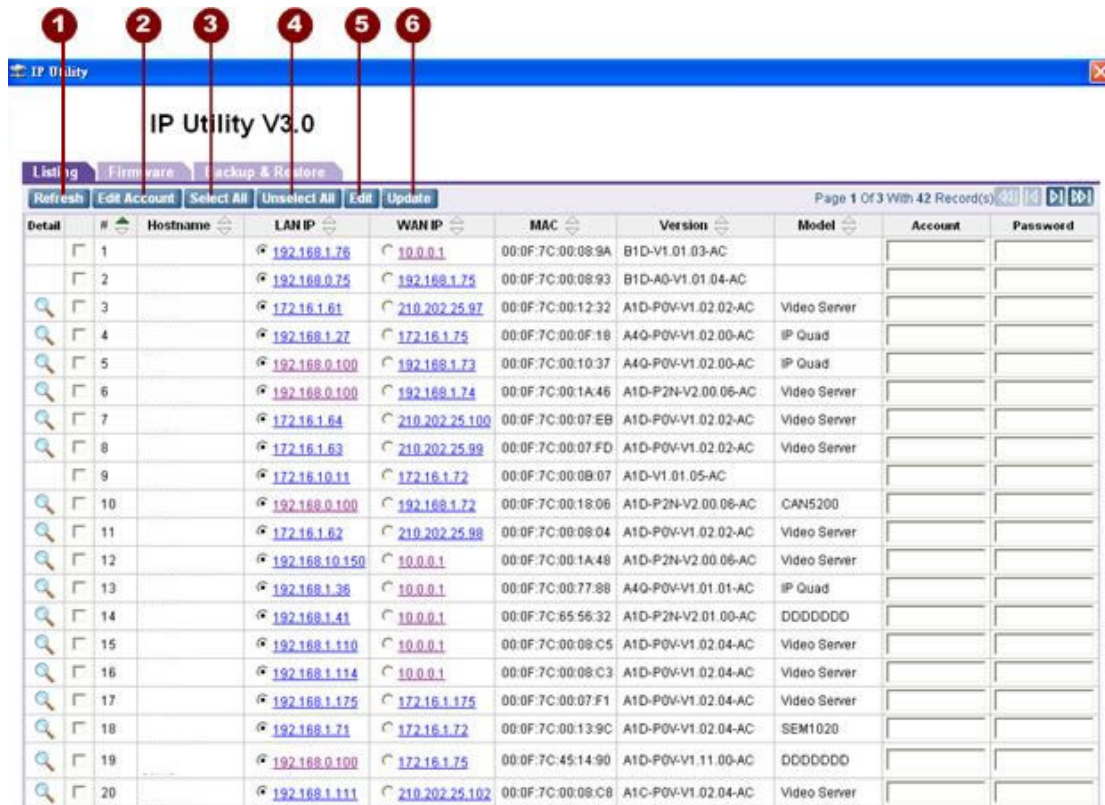


Figure 2. IP Utility Listing User Interface

1. **Refresh:** Click this button to search available servers and display the new searched results.
2. **Edit Account:** Click this button to display a page for you to set this device's account and password.
3. **Select All:** Select all listed connections.
4. **Unselect All:** Cancel all selected connections.
5. **Edit:** Click this button to let "Hostname" "LAN IP" "WAN IP" of selected connections to be changeable.
6. **Update:** Update all setting of selected connections, and servers will reboot after several minutes.

Server Information

Detail	#	Hostname	LAN IP	WAN IP	MAC	Version	Model	Account	Password
	1		192.168.1.76	10.0.0.1	00:0F:7C:00:08:9A	B1D-V1.01.03-AC			
	2		192.168.0.75	192.168.1.75	00:0F:7C:00:08:93	B1D-A0-V1.01.04-AC			
	3		172.16.1.61	210.202.25.97	00:0F:7C:00:12:32	A1D-P0V-V1.02.02-AC	Video Server		
	4		192.168.1.27	172.16.1.75	00:0F:7C:00:0F:18	A4Q-P0V-V1.02.00-AC	IP Quad		
	5		192.168.0.100	192.168.1.73	00:0F:7C:00:10:37	A4Q-P0V-V1.02.00-AC	IP Quad		
	6		192.168.0.100	192.168.1.74	00:0F:7C:00:1A:46	A1D-P2N-V2.00.06-AC	Video Server		
	7		172.16.1.64	210.202.25.100	00:0F:7C:00:07:EB	A1D-P0V-V1.02.02-AC	Video Server		
	8		172.16.1.63	210.202.25.99	00:0F:7C:00:07:FD	A1D-P0V-V1.02.02-AC	Video Server		
	9		172.16.10.11	172.16.1.72	00:0F:7C:00:0B:07	A1D-V1.01.05-AC			
	10		192.168.0.100	192.168.1.72	00:0F:7C:00:18:06	A1D-P2N-V2.00.06-AC	CAN5200		
	11		172.16.1.62	210.202.25.98	00:0F:7C:00:08:04	A1D-P0V-V1.02.02-AC	Video Server		
	12		192.168.10.150	10.0.0.1	00:0F:7C:00:1A:48	A1D-P2N-V2.00.06-AC	Video Server		
	13		192.168.1.36	10.0.0.1	00:0F:7C:00:77:88	A4Q-P0V-V1.01.01-AC	IP Quad		
	14		192.168.1.41	10.0.0.1	00:0F:7C:65:56:32	A1D-P2N-V2.01.00-AC	DDDDDD		
	15		192.168.1.110	10.0.0.1	00:0F:7C:00:08:C5	A1D-P0V-V1.02.04-AC	Video Server		
	16		192.168.1.114	10.0.0.1	00:0F:7C:00:08:C3	A1D-P0V-V1.02.04-AC	Video Server		
	17		192.168.1.175	172.16.1.175	00:0F:7C:00:07:F1	A1D-P0V-V1.02.04-AC	Video Server		
	18		192.168.1.71	172.16.1.72	00:0F:7C:00:13:9C	A1D-P0V-V1.02.04-AC	SEM1020		
	19		192.168.0.100	172.16.1.75	00:0F:7C:45:14:90	A1D-P0V-V1.11.00-AC	DDDDDD		
	20		192.168.1.111	210.202.25.102	00:0F:7C:00:08:C8	A1C-P0V-V1.02.04-AC	Video Server		

Figure 3. Server Information

1. **Hostname:** The name of server.
2. **LAN IP:** The IP of server in local area network.
3. **WAN IP:** The IP of server in wide area network.



NOTE: Before connecting a server, make sure you have chosen the correct type of IP for your device.

4. **MAC:** The MAC address of server.
5. **Version:** The firmware version of the video server/IP camera/Transcoder.
6. **Model:** The device type of video server/IP camera/Transcoder.
7. **Account:** Enter the account name authorized by the server for you to change the setting .
8. **Password:** Enter the password authorized by the server for you to change the setting .
9. **Detail:** Click the picture button to display a page with detailed information of the server.

Edit Account

The screenshot shows the IP Utility V3.0 application window. The title bar reads 'IP Utility V3.0'. Below the title bar is a menu bar with 'Listing', 'Firmware', and 'Backup & Restore'. A toolbar contains 'Refresh', 'Edit Account', 'Select All', 'Unselect All', 'Edit', and 'Update'. The main area is a table with columns: Detail, #, Hostname, LAN IP, WAN IP, MAC, Version, Model, Account, and Password. Row 4 is selected and highlighted in yellow. Red circles with numbers 1 and 2 are overlaid on the image. Circle 1 points to the 'Edit Account' button in the toolbar. Circle 2 points to the selected row 4 in the table.

Detail	#	Hostname	LAN IP	WAN IP	MAC	Version	Model	Account	Password
<input type="checkbox"/>	1		192.168.1.76	10.0.0.1	00:0F:7C:00:08:9A	B1D-V1.01.03-AC			
<input checked="" type="checkbox"/>	2		192.168.0.75	192.168.1.75	00:0F:7C:00:08:93	B1D-A0-V1.01.04-AC			
<input checked="" type="checkbox"/>	3		172.16.1.61	210.202.25.97	00:0F:7C:00:12:32	A1D-P0V-V1.02.02-AC	Video Server		
<input checked="" type="checkbox"/>	4		192.168.1.27	172.16.1.75	00:0F:7C:00:0F:18	A4Q-P0V-V1.02.00-AC	IP Quad		
<input type="checkbox"/>	5		192.168.0.100	192.168.1.74	00:0F:7C:00:1A:46	A1D-P2N-V2.00.06-AC	Video Server		
<input type="checkbox"/>	6		192.168.0.100	192.168.1.72	00:0F:7C:00:18:06	A1D-P2N-V2.00.06-AC	CAN5200		
<input type="checkbox"/>	7		192.168.1.111	210.202.25.102	00:0F:7C:00:08:C8	A1C-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	8		192.168.1.175	172.16.1.75	00:0F:7C:00:07:F1	A1D-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	9		172.16.1.84	210.202.25.100	00:0F:7C:00:07:EB	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	10		172.16.1.62	210.202.25.98	00:0F:7C:00:08:04	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	11		192.168.1.117	172.16.1.72	00:0F:7C:00:08:E7	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	12		192.168.0.100	192.168.1.73	00:0F:7C:00:10:37	A4Q-P0V-V1.02.00-AC	IP Quad		
<input type="checkbox"/>	13		192.168.10.150	10.0.0.1	00:0F:7C:00:1A:48	A1D-P2N-V2.00.06-AC	Video Server		
<input type="checkbox"/>	14		192.168.1.36	10.0.0.1	00:0F:7C:00:77:88	A4Q-P0V-V1.01.01-AC	IP Quad		
<input type="checkbox"/>	15		172.16.1.209	172.16.254.110	00:0F:7C:00:07:8B	A1D-P0V-V1.02.04-AC	IP Camera		
<input type="checkbox"/>	16		172.16.10.11	172.16.1.72	00:0F:7C:00:0B:07	A1D-P0V-V1.02.02-AC	IP Camera		
<input type="checkbox"/>	17		192.168.0.100	172.16.1.75	00:0F:7C:45:14:90	A1D-P0V-V1.11.00-AC	DDDDDDD		
<input type="checkbox"/>	18		192.168.1.71	172.16.1.72	00:0F:7C:00:13:9C	A1D-P0V-V1.02.04-AC	SEM1020		
<input type="checkbox"/>	19		192.168.1.28	10.0.0.1	00:0F:7C:00:0F:15	A4Q-P0V-V1.02.00-AC	IP Quad		
<input type="checkbox"/>	20		192.168.1.28	10.0.0.1	00:0F:7C:00:0F:19	A4Q-P0V-V1.02.00-AC	IP Quad		

Figure 4. Edit Account

1. Select the video sever/IP camera/Transcoder that you would like to Edit.
2. Click "Edit Account" button to display the page of account and password setting.

Page of Account and Password Setting



Figure 5. PTZ Control Panel

1. **Account:** The account to be authorized by the server.
2. **Password:** The password to be authorized by the server.
3. **Apply:** Click “Apply” button to fill setting of previous selected connections with account and password of this page.

Account and Password setting

The screenshot shows the IP Utility V3.0 interface. At the top, there are tabs for 'Listing', 'Firmware', and 'Backup & Restore'. Below these are buttons for 'Refresh', 'Edit Account', 'Select All', 'Unselect All', 'Edit', and 'Update'. The main area is a table with columns: Detail, #, Hostname, LAN IP, WAN IP, MAC, Version, Model, Account, and Password. The table contains 20 rows of data. Red circles 1 and 2 are placed above the 'Account' and 'Password' columns respectively, indicating that these fields have been updated for the selected rows.

Detail	#	Hostname	LAN IP	WAN IP	MAC	Version	Model	Account	Password
<input checked="" type="checkbox"/>	1		192.168.1.76	10.0.0.1	00:0F:7C:00:08:9A	B1D-V1.01.03-AC		Admin	*****
<input checked="" type="checkbox"/>	2		192.168.0.75	192.168.1.75	00:0F:7C:00:08:93	B1D-A0-V1.01.04-AC		Admin	*****
<input checked="" type="checkbox"/>	3		172.16.1.61	210.202.25.97	00:0F:7C:00:12:32	A1D-P0V-V1.02.02-AC	Video Server	Admin	*****
<input checked="" type="checkbox"/>	4		192.168.1.27	172.16.1.75	00:0F:7C:00:0F:18	A4Q-P0V-V1.02.00-AC	IP Quad	Admin	*****
<input type="checkbox"/>	5		192.168.0.100	192.168.1.74	00:0F:7C:00:1A:46	A1D-P2N-V2.00.06-AC	Video Server		
<input type="checkbox"/>	6		172.16.1.82	210.202.25.98	00:0F:7C:00:08:04	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	7		172.16.10.11	172.16.1.72	00:0F:7C:00:0B:07	A1D-P0V-V1.02.02-AC	IP Camera		
<input type="checkbox"/>	8		192.168.0.100	172.16.1.75	00:0F:7C:45:14:90	A1D-P0V-V1.11.00-AC	DDDDDDD		
<input type="checkbox"/>	9		192.168.0.100	192.168.1.72	00:0F:7C:00:18:06	A1D-P2N-V2.00.06-AC	CAN5200		
<input type="checkbox"/>	10		192.168.10.150	10.0.0.1	00:0F:7C:00:1A:48	A1D-P2N-V2.00.06-AC	Video Server		
<input type="checkbox"/>	11		192.168.1.42	10.0.0.1	00:0F:7C:00:16:6B	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	12		192.168.1.117	172.16.1.72	00:0F:7C:00:08:E7	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	13		192.168.1.36	10.0.0.1	00:0F:7C:00:77:88	A4Q-P0V-V1.01.01-AC	IP Quad		
<input type="checkbox"/>	14		172.16.1.209	172.16.254.110	00:0F:7C:00:07:6B	A1D-P0V-V1.02.04-AC	IP Camera		
<input type="checkbox"/>	15		192.168.1.175	172.16.1.175	00:0F:7C:00:07:F1	A1D-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	16		172.16.1.64	210.202.25.100	00:0F:7C:00:07:EB	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	17		192.168.1.71	172.16.1.72	00:0F:7C:00:13:9C	A1D-P0V-V1.02.04-AC	SEM1020		
<input type="checkbox"/>	18		192.168.1.101	10.0.0.1	00:0F:7C:00:08:D4	A1D-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	19		192.168.1.104	10.0.0.1	00:0F:7C:00:08:BB	A1D-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	20		172.16.1.63	210.202.25.99	00:0F:7C:00:07:FD	A1D-P0V-V1.02.02-AC	Video Server		

Figure 6. Account and password setting

1. All accounts of selected connections have been set by account data of previous page.
2. All passwords of selected connections have been set by password data of previous page.

Update the Setting of Server

The screenshot shows the IP Utility V3.0 interface. At the top, there are tabs for 'Listing', 'Firmware', and 'Backup & Restore'. Below these are buttons for 'Refresh', 'Edit Account', 'Select All', 'Unselect All', 'Edit', and 'Update'. The main area is a table with columns: Detail, #, Hostname, LAN IP, WAN IP, MAC, Version, Model, Account, and Password. Row 4 is highlighted in yellow. Red circles with numbers 1-5 point to the 'Edit' button, Hostname, LAN IP, WAN IP, and Update buttons respectively.

Detail	#	Hostname	LAN IP	WAN IP	MAC	Version	Model	Account	Password
<input checked="" type="checkbox"/>	1		192.168.1.76	10.0.0.1	00:0F:7C:00:08:9A	B1D-V1.01.03-AC		Admin	*****
<input checked="" type="checkbox"/>	2		192.168.0.75	192.168.1.75	00:0F:7C:00:08:93	B1D-A0-V1.01.04-AC		Admin	*****
<input checked="" type="checkbox"/>	3		172.16.1.61	210.202.25.97	00:0F:7C:00:12:32	A1D-P0V-V1.02.02-AC	Video Server	Admin	*****
<input checked="" type="checkbox"/>	4		192.168.1.27	172.16.1.75	00:0F:7C:00:0F:18	A4Q-P0V-V1.02.00-AC	IP Quad	Admin	*****
<input type="checkbox"/>	5		192.168.0.100	192.168.1.74	00:0F:7C:00:1A:46	A1D-P2N-V2.00.06-AC	Video Server		
<input type="checkbox"/>	6		172.16.1.62	210.202.25.98	00:0F:7C:00:08:04	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	7		172.16.10.11	172.16.1.72	00:0F:7C:00:08:07	A1D-P0V-V1.02.02-AC	IP Camera		
<input type="checkbox"/>	8		192.168.0.100	172.16.1.75	00:0F:7C:45:14:90	A1D-P0V-V1.11.00-AC	DDDDDD		
<input type="checkbox"/>	9		192.168.0.100	192.168.1.72	00:0F:7C:00:18:06	A1D-P2N-V2.00.06-AC	CAN5200		
<input type="checkbox"/>	10		192.168.10.150	10.0.0.1	00:0F:7C:00:1A:48	A1D-P2N-V2.00.06-AC	Video Server		
<input type="checkbox"/>	11		192.168.1.42	10.0.0.1	00:0F:7C:00:16:6B	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	12		192.168.1.117	172.16.1.72	00:0F:7C:00:08:E7	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	13		192.168.1.36	10.0.0.1	00:0F:7C:00:77:88	A4Q-P0V-V1.01.01-AC	IP Quad		
<input type="checkbox"/>	14		172.16.1.209	172.16.254.110	00:0F:7C:00:07:6B	A1D-P0V-V1.02.04-AC	IP Camera		
<input type="checkbox"/>	15		192.168.1.175	172.16.1.175	00:0F:7C:00:07:F1	A1D-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	16		172.16.1.64	210.202.25.100	00:0F:7C:00:07:EB	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	17		192.168.1.71	172.16.1.72	00:0F:7C:00:13:9C	A1D-P0V-V1.02.04-AC	SEM1020		
<input type="checkbox"/>	18		192.168.1.101	10.0.0.1	00:0F:7C:00:08:D4	A1D-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	19		192.168.1.104	10.0.0.1	00:0F:7C:00:08:BB	A1D-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	20		172.16.1.62	210.202.25.99	00:0F:7C:00:07:FD	A1D-P0V-V1.02.02-AC	Video Server		

Figure 7. Update the Setting of Server

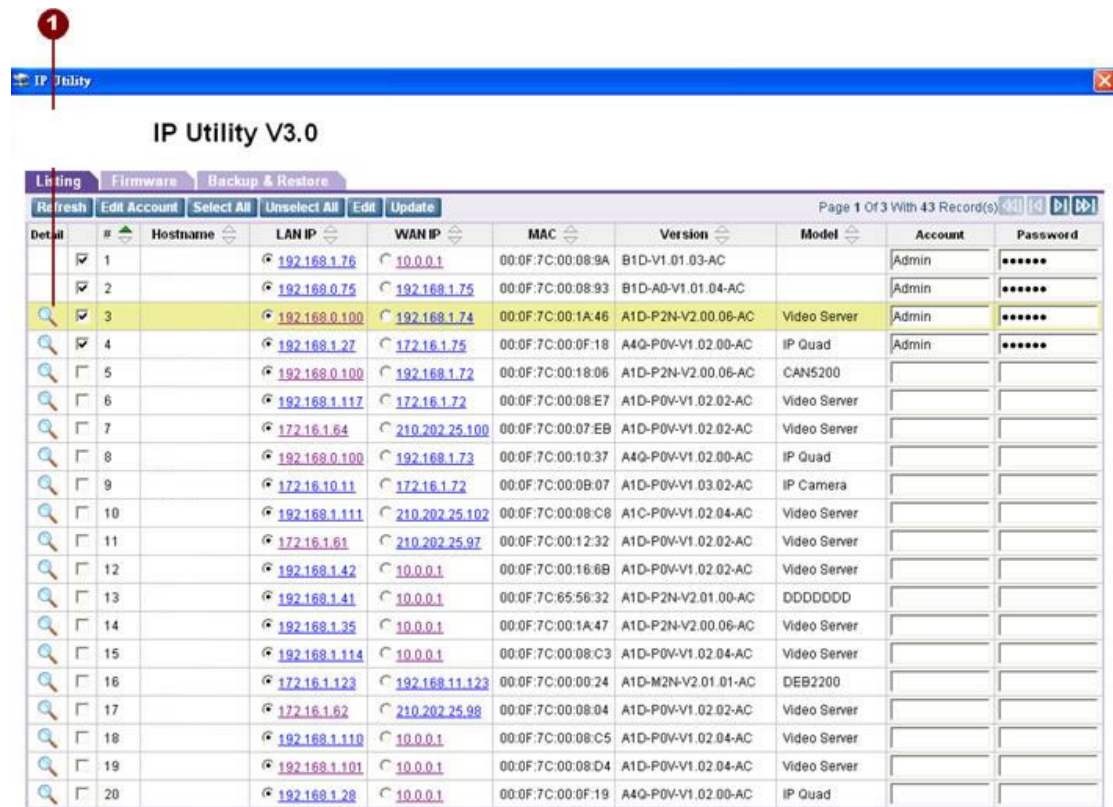
1. Click the “Edit” button, the “Hostname” “LAN IP” “WAN IP” settings of selected servers will be changeable.
2. Edit the textbox of hostname of the device.
3. Edit the textbox of LAN IP of the device.
4. Edit the textbox of WAN IP of device.
5. Click the “Update” button, your setting data for selected devices will be updated. These settings will take effect and after 40secs for those devices to reboot.



NOTE: Before sending setting data to the server, make sure you use authorized accounts and passwords and choose the correct type of IP for your device.

Server Detail Information

1



IP Utility V3.0

Detail	#	Hostname	LAN IP	WAN IP	MAC	Version	Model	Account	Password
<input checked="" type="checkbox"/>	1		192.168.1.76	10.0.0.1	00:0F:7C:00:08:9A	B1D-V1.01.03-AC		Admin	*****
<input checked="" type="checkbox"/>	2		192.168.0.75	192.168.1.75	00:0F:7C:00:08:93	B1D-A0-V1.01.04-AC		Admin	*****
<input checked="" type="checkbox"/>	3		192.168.0.100	192.168.1.74	00:0F:7C:00:1A:46	A1D-P2N-V2.00.06-AC	Video Server	Admin	*****
<input checked="" type="checkbox"/>	4		192.168.1.27	172.16.1.75	00:0F:7C:00:0F:18	A4Q-P0V-V1.02.00-AC	IP Quad	Admin	*****
<input type="checkbox"/>	5		192.168.0.100	192.168.1.72	00:0F:7C:00:18:06	A1D-P2N-V2.00.06-AC	CAN5200		
<input type="checkbox"/>	6		192.168.1.117	172.16.1.72	00:0F:7C:00:08:E7	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	7		172.16.1.64	210.202.25.100	00:0F:7C:00:07:EB	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	8		192.168.0.100	192.168.1.73	00:0F:7C:00:10:37	A4Q-P0V-V1.02.00-AC	IP Quad		
<input type="checkbox"/>	9		172.16.10.11	172.16.1.72	00:0F:7C:00:0B:07	A1D-P0V-V1.03.02-AC	IP Camera		
<input type="checkbox"/>	10		192.168.1.111	210.202.25.102	00:0F:7C:00:08:C8	A1C-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	11		172.16.1.61	210.202.25.97	00:0F:7C:00:12:32	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	12		192.168.1.42	10.0.0.1	00:0F:7C:00:16:6B	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	13		192.168.1.41	10.0.0.1	00:0F:7C:65:56:32	A1D-P2N-V2.01.00-AC	DDDDDDD		
<input type="checkbox"/>	14		192.168.1.35	10.0.0.1	00:0F:7C:00:1A:47	A1D-P2N-V2.00.06-AC	Video Server		
<input type="checkbox"/>	15		192.168.1.114	10.0.0.1	00:0F:7C:00:08:C3	A1D-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	16		172.16.1.123	192.168.11.123	00:0F:7C:00:09:24	A1D-M2N-V2.01.01-AC	DEB2200		
<input type="checkbox"/>	17		172.16.1.62	210.202.25.98	00:0F:7C:00:08:04	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	18		192.168.1.110	10.0.0.1	00:0F:7C:00:08:C5	A1D-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	19		192.168.1.101	10.0.0.1	00:0F:7C:00:08:D4	A1D-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	20		192.168.1.28	10.0.0.1	00:0F:7C:00:0F:19	A4Q-P0V-V1.02.00-AC	IP Quad		

Figure 8. Server detail information

1. Click this picture button to display the page of server detailed information.

The Page of Server Detail Information



The screenshot shows a web browser window with a blue title bar containing the text "網頁對話" (Web Dialogue) and standard window control buttons. The main content area is titled "Listing" and contains a table of server details.

Listing	
Hostname	
LAN IP	172.16.1.64
Firmware Version	A1D-P0V-V1.02.02-AC
MAC Address	00:0F:7C:00:07:EB
Serial ID	SED2100-05B-8-00061
SYSTEM	Embedded system
TYPE	Encoder
I/O OF CHANNEL	1 channel
MULTIPLEXING	No multiplexing
I/O OF AUDIO WAYS	No Audio
VIDEO FPS	Constant
VIDEO RESOLUTION	N352x240
VIDEO BITRATE	256K

Figure 9. The Page of Server detail Information

3

Firmware Upgrade User Interface

Understanding the User Interface

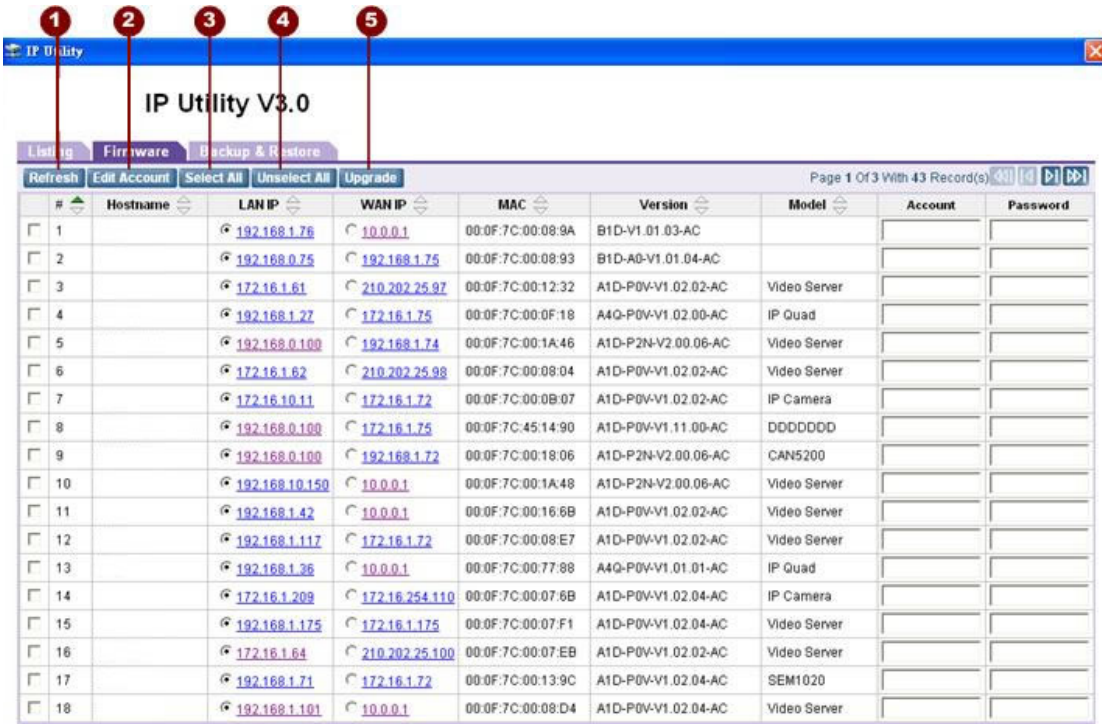


Figure 10. IP utility User Interface

1. **Refresh:** Click this button to search available servers and display the new searched results
2. **Edit Account:** Click this button to display a page for you to set this device's account and password.
3. **Select All:** Select all listed connections.
4. **Unselect All:** Cancel all selected connections
5. **Upgrade:** Click this button to display the page to upgrade firmware.

Firmware Update

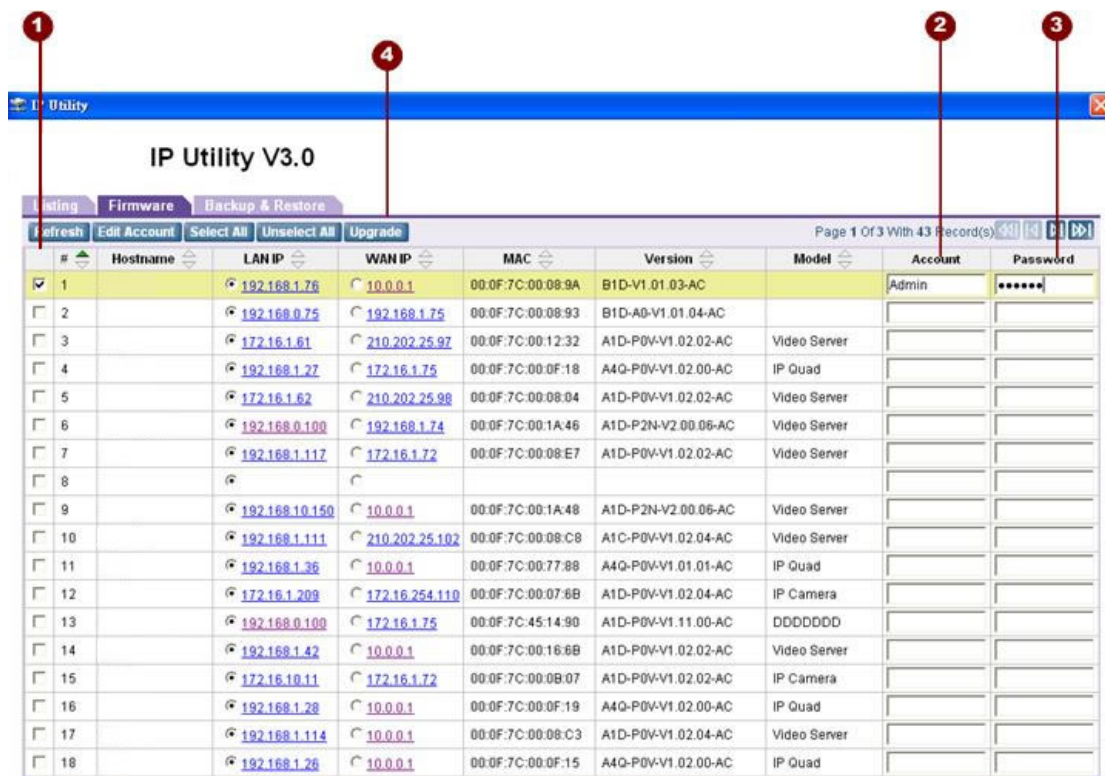


Figure 11. Firmware Upgrade

1. Selecting the device that your will update its firmware.
2. Enter the authorized account of this device.
3. Enter the authorized password of this device.
4. Click "Upgrade" button to display the page to upgrade firmware.

The Page of Firmware Upgrade Setting

URL Firmware Upgrade -- 網頁對話

Firmware Upgrade

Server IP: 192.168.1.76
Version: B1D-V1.01.03-AC

1 Login:

2 Password:

3 Firmware: 瀏覽...

4 MD5: 瀏覽...

Apply Reset

1. LED Flush: Save firmware now.
2. LED OFF: System reboot.
3. LED ON: System reboot finish. Please close this window.

5 6

Figure 12. The Page of Firmware Upgrade Setting

1. **Login:** Enter the account name authorized by this server.
2. **Password:** Enter the account password related to the account name.
3. **Firmware:** Select the firmware images to be upload by clicking on the “Browse” button and find specified img.
4. **MD5:** Select the MD5 file to be upload by clicking on the “Browse” button and find specified MD5.



NOTE: Make sure you select the firmware image and the MD5 of the same version.

5. **Apply:** Click “Apply” button to start uploading the firmware image and MD5 file to the device, and device will reboot. It will take around 5 mins.
6. **Reset:** Click “Reset” button to clear your current setting.



NOTE: Before upgrading the firmware and MD5 of the server, make sure you choose the correct version of this server .

Firmware Upgrade Version Error



Figure 13. Firmware Upgrade Version Error

4 IP Utility Backup and Restore

Understanding the User Interface

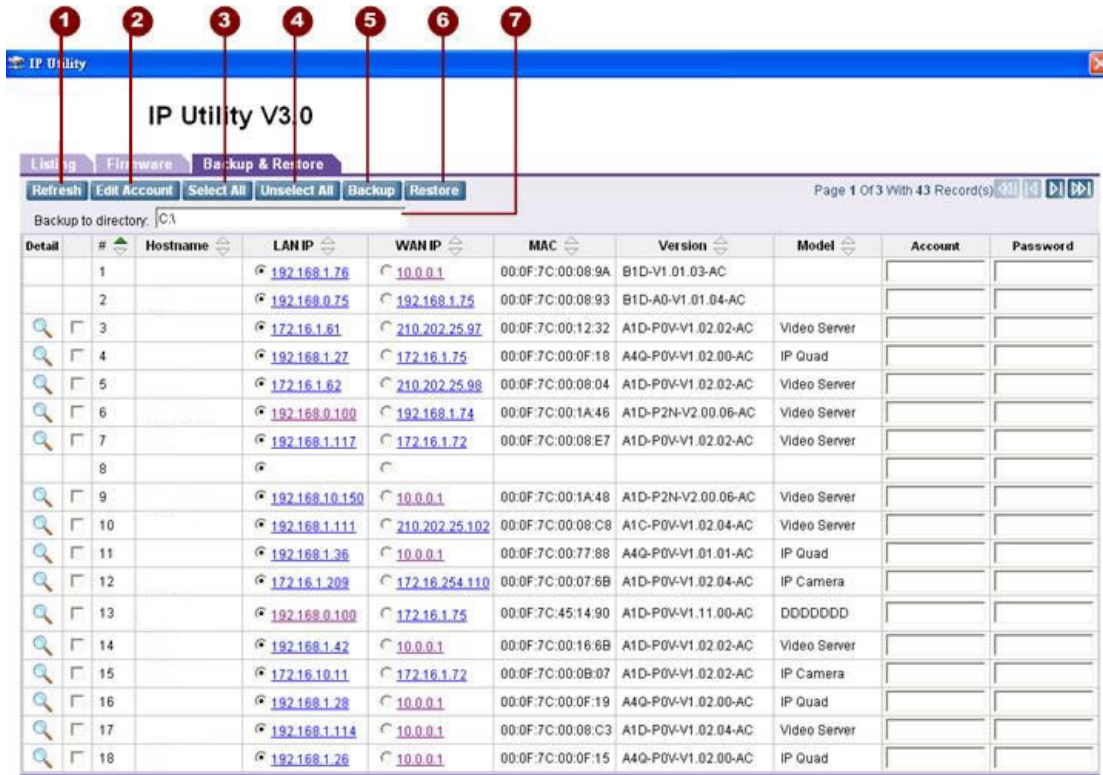


Figure 14. Backup and Restore User Interface

1. **Refresh:** Click this button to search available servers and display the new searched results.
2. **Edit Account:** Click this button to display a page for you to set this device's account and password.
3. **Select All:** Select all listed connections.
4. **Unselect All:** Cancel all selected connections.
5. **Backup:** Click this button to backup all of setting of selected device.
6. **Restore:** Click this button to restore the setting of you selected device.
7. **Backup to the Directory:** Setting the backup file path where you will put the files of the settings of devices.

Backup

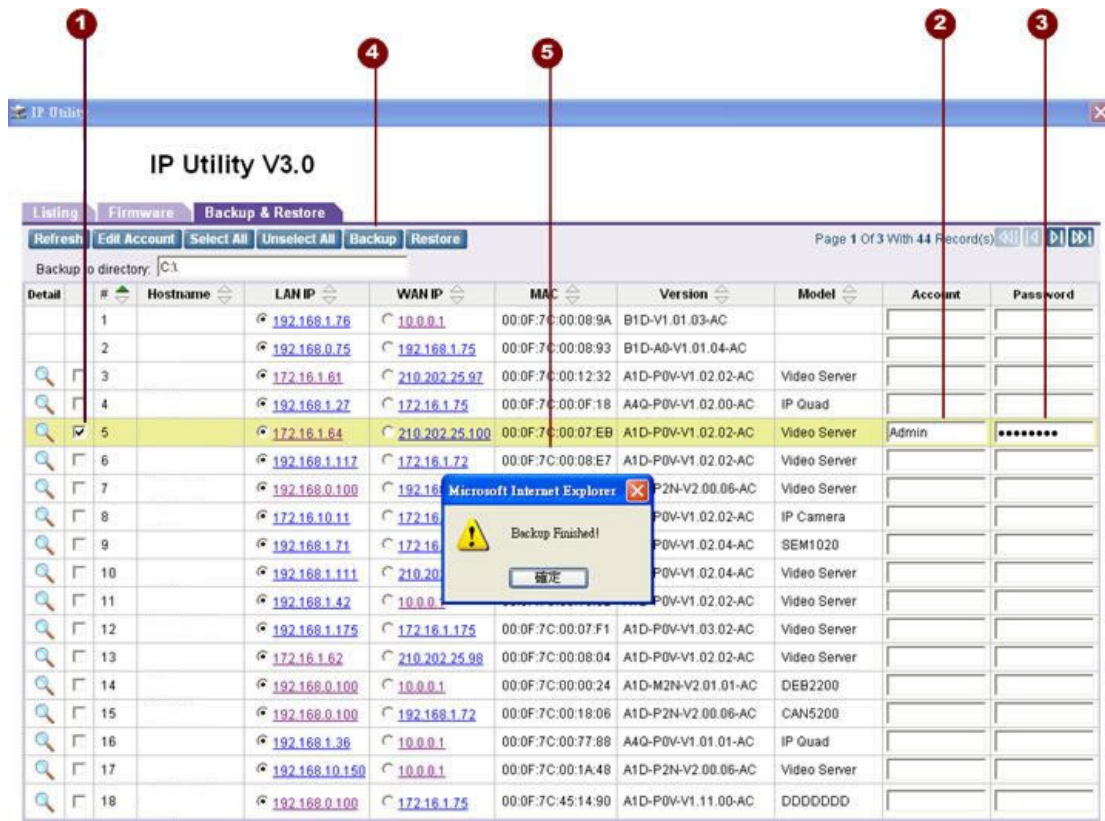


Figure 15. Backup

1. Selecting all the devices that you would like backup their settings.
2. Enter the authorized account name of this server.
3. Enter the authorized account password of this server.
4. Click "Backup" button to backup the setting of selected servers.
5. Once succeed, the "Backup Finished" message will appear.

Resotre

IP Utility V3.0

Listing Firmware Backup & Restore

Refresh Edit Account Select All Unselect All Backup Restore Page 1 Of 3 With 44 Record(s)

Backup to directory: C:\

Detail	#	Hostname	LAN IP	WAN IP	MAC	Version	Model	Account	Password
	1		192.168.1.76	10.0.0.1	00:0F:7C:00:08:9A	B1D-V1.01.03-AC			
	2		192.168.0.75	192.168.1.75	00:0F:7C:00:08:93	B1D-A0-V1.01.04-AC			
<input checked="" type="checkbox"/>	3		172.16.1.81	210.202.25.97	00:0F:7C:00:12:32	A1D-P0V-V1.02.02-AC	Video Server	Admin	*****
<input type="checkbox"/>	4		192.168.1.27	172.16.1.75	00:0F:7C:00:0F:18	A4Q-P0V-V1.02.00-AC	IP Quad		
<input type="checkbox"/>	5		192.168.0.100	192.168.1.72	00:0F:7C:00:18:06	A1D-P2N-V2.00.06-AC	CAN5200		
<input type="checkbox"/>	6		192.168.1.111	210.202.25.102	00:0F:7C:00:08:C8	A1C-P0V-V1.02.04-AC	Video Server		
<input type="checkbox"/>	7		172.16.1.64	210.202.25.100	00:0F:7C:00:07:EB	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	8		192.168.0.100	192.168.1.74	00:0F:7C:00:1A:46	A1D-P2N-V2.00.06-AC	Video Server		
<input type="checkbox"/>	9		172.16.1.62	210.202.25.98	00:0F:7C:00:08:04	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	10		192.168.1.117	172.16.1.72	00:0F:7C:00:08:E7	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	11		192.168.0.100	10.0.0.1	00:0F:7C:00:00:24	A1D-M2N-V2.01.01-AC	DEB2200		
<input type="checkbox"/>	12		172.16.10.11	172.16.1.72	00:0F:7C:00:0B:07	A1D-P0V-V1.03.02-AC	IP Camera		
<input type="checkbox"/>	13		192.168.10.150	10.0.0.1	00:0F:7C:00:1A:48	A1D-P2N-V2.00.06-AC	Video Server		
<input type="checkbox"/>	14		192.168.1.42	10.0.0.1	00:0F:7C:00:16:6B	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	15		192.168.0.100	172.16.1.75	00:0F:7C:45:14:90	A1D-P0V-V1.11.00-AC	DDDDDDD		
<input type="checkbox"/>	16		172.16.1.63	210.202.25.99	00:0F:7C:00:07:FD	A1D-P0V-V1.02.02-AC	Video Server		
<input type="checkbox"/>	17		192.168.1.36	10.0.0.1	00:0F:7C:00:77:88	A4Q-P0V-V1.01.01-AC	IP Quad		
<input type="checkbox"/>	18		192.168.1.71	172.16.1.72	00:0F:7C:00:13:9C	A1D-P0V-V1.02.04-AC	SEM1020		

Figure 16. Restore

1. Selecting the server that your would like to restore its setting.
2. Enter the authorized account name of this server.
3. Enter the authorized account password of this server.
4. Click “Restore” button to display the Page of Restore Setting for you to restore the settings.

The Page of Restore Setting

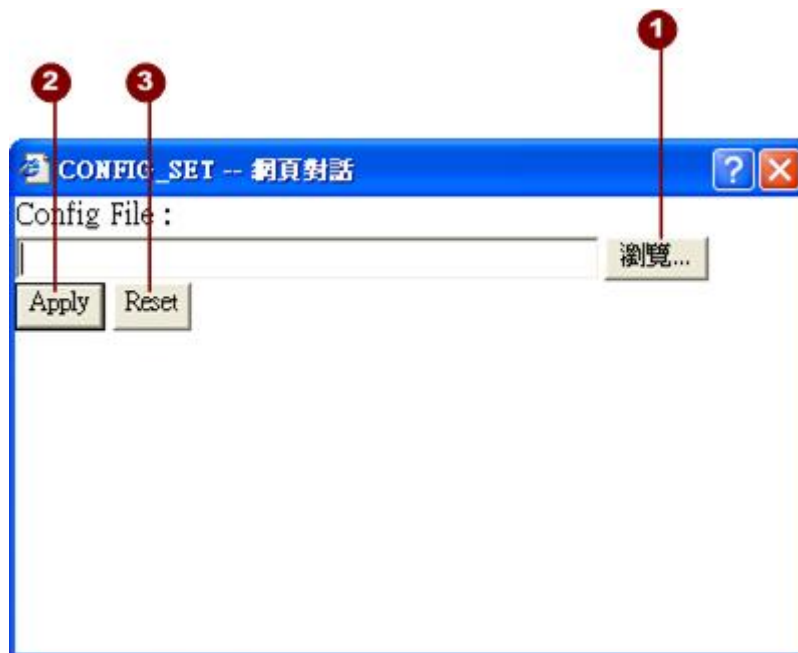


Figure 17. The Page of Restore Setting

1. **Config File:** Click “Browse” button to select the backup file you wish restore the device to.
2. **Apply:** Click “Apply” button to restore the settings of this device to settings in the backup file
3. **Reset:** Click “Reset” button to clear your current settings for this server.