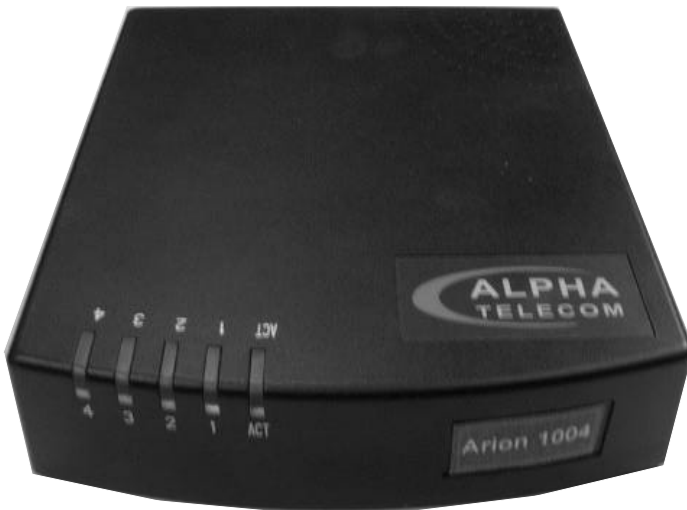




## Arion 1004



## Installation Guide

Revision 1.0  
09/04/2002





Arion 1004

# Installation Guide

Revision 1.0  
09/04/2002

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# *Table of Contents*

<b>Important Safety Instructions</b>	<b>i</b>
<b>Introduction</b>	<b>1</b>
<b>Package Contents</b>	<b>1</b>
<b>Front Panel</b>	<b>2</b>
<b>Rear Panel</b>	<b>2</b>
<b>Wiring Instructions</b>	<b>3</b>
<b>Diagnostics</b>	<b>5</b>
<b>Application Guideline Information</b>	<b>6</b>
<b>Appendix A: Ordering Information</b>	<b>8</b>
<b>Appendix B: Setup Configuration</b>	<b>9</b>
<b>Appendix C: Basic Configurations</b>	<b>11</b>
<b>Appendix D: System Status</b>	<b>12</b>
<b>Appendix E: Line Status</b>	<b>13</b>
<b>Appendix F: H.323 Status</b>	<b>14</b>
<b>Appendix G: RTP/RTCP Status</b>	<b>15</b>
<b>Appendix H: System Log</b>	<b>16</b>
<b>Appendix I: Advanced Configurations</b>	<b>17</b>
<b>Appendix J: Administration</b>	<b>18</b>
<b>Appendix K: Ethernet and TCP/IP</b>	<b>19</b>
<b>Appendix L: H.323 Configurations</b>	<b>20</b>
<b>Appendix M: RTP/RTCP Configurations</b>	<b>21</b>
<b>Appendix N: System Log Configurations</b>	<b>22</b>
<b>Appendix O: Restore factory settings</b>	<b>23</b>
<b>Appendix P: Firmware Upgrade</b>	<b>24</b>
<b>Appendix Q: Restart</b>	<b>25</b>
<b>Appendix R: Firewall Port Settings</b>	<b>26</b>
<b>Appendix S: Interface Pin Assignments</b>	<b>27</b>
<b>Appendix T: Cable Pinouts</b>	<b>27</b>
<b>Appendix U: Power Supply Pinouts</b>	<b>28</b>
<b>Appendix V: Troubleshooting Tips</b>	<b>29</b>
<b>Appendix X: Command on Console</b>	<b>30</b>
<b>Appendix X: Acronyms</b>	<b>32</b>
<b>Notes</b>	<b>34</b>
<b>Wall Mounting Template</b>	<b>35</b>

## *Figures*

Figure 1:	Arion 1004 Perspective View	2
Figure 2:	Arion 1004 Rear Panel	2
Figure 3:	Interface Wiring Diagram	3
Figure 4:	Rear Cable Connectors	4
Figure 5:	Application Illustration	6
Figure 6:	RJ45 LAN Pin Locations	28
Figure 7:	DB9 Pin Locations	28
Figure 8:	Power Pin Locations	28

## *Tables*

Table 1:	LED Status Indicators	5
Table 2:	Ethernet LED Status Indicators	5
Table 3:	Ordering Information	8
Table 4:	U-Interface Pin Assignments	27
Table 5:	Power Connector Pin Assignments	27
Table 6:	LAN Connector Pin Assignments	27
Table 7:	DB9 (RS-232) Connector Pin Assignments	27
Table 8:	Power Supply Information	28

## **Important Safety Instructions**

If you experience technical difficulty with the Arion 1004 please contact the distributor or point of sales for help.

Never install telephone wiring during a lightning storm.

Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.

Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

Use caution when installing or modifying telephone lines.

Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.

Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

Do not use the telephone to report a gas leak in the vicinity of the leak.

Use only the power supply indicated in this manual.

***SAVE THESE INSTRUCTIONS***

# **Introduction**

The Alpha Telecom, Inc. USA Arion 1004 provides the physical interface for any ISDN Telephone set to reach the Next Generation IP Network. Functionally an ISDN Telephone and the Arion 1004 are equivalent to an ISDN Mode VoIP Phone.

The Arion 1004 provides the existing, widely deployed ISDN Telephones a smooth and quick way to access the Next Generation Network (NGN). Today's investment of ISDN Telephones do not have to be upgraded or replaced.

The Arion 1004 provides four (4) BRI, one (1) 10/100Base-T interface, one (1) DB9 RS-232 interface, and multiple LED's for status display. The Gateway is compact and can be desktop or wall mounted. It's an excellent solution for businesses to help reduce or eliminate the long distance or international phone charges.

This installation guide describes how to install the Arion 1004 for use with ISDN Telephones within your IP network.

Installation Guide: For current revision of latest documentation, please refer to the support page on: [www.alpha-tele.com](http://www.alpha-tele.com)

## **Package Contents**

One Arion 1004 unit  
One RJ45 to RJ45 CAT5 cable  
One 16 Watt power supply  
Installation Guide  
Quick Reference Guide  
Wall-Mounting Kit

## Front Panel

**Figure 1** shows the Arion 1004 in perspective view to show all of the LEDs and labels. There are five LEDs in the front panel of the Arion 1004. Each of the first four LEDs from the left indicates the status of the labeled port. The last LED indicates activation of the Arion 1004.



**Figure 1.** Arion 1004 Perspective View

## Rear Panel

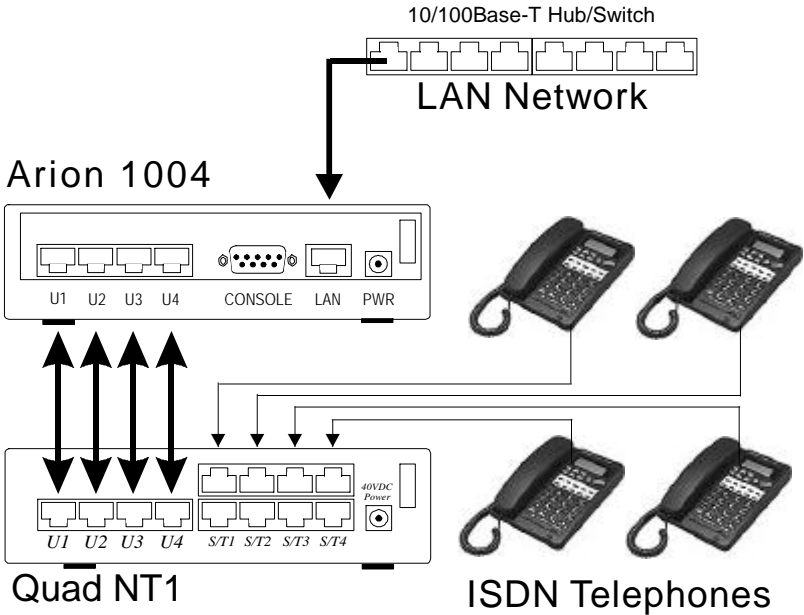
The Arion 1004 rear panel shown in **Figure 2** has five RJ45 connectors: four U-Interfaces and one LAN (10/100Base-T) connector from left to right. It also has a DB9 (RS-232) connector and barrel type power connector and a wire clip.



**Figure 2.** Arion 1004 Rear Panel

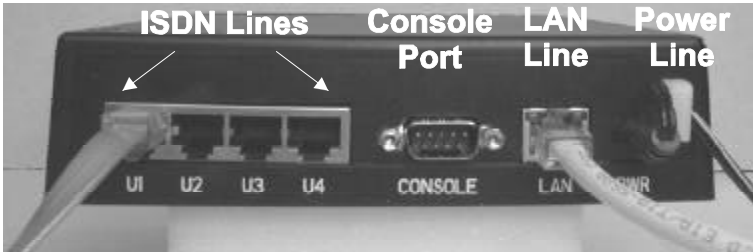
# Wiring Instructions

**Figure 3** shows the wiring diagram of the Arion 1004 with one typical setup. The equipment in reference are the Arion 1004, Quad NT1, ISDN Telephones, and the LAN Network. Specific step-by-step instructions follow.



**Figure 3.** Interface Wiring Diagram

Step 1: Connect the DC power plug of the power supply to the power connector on the rear of the Arion 1004 as shown in **Figure 4**. Place the power cable into the wire clip to secure it.



**Figure 4.** Rear Cable Connectors

Step 2: Connect the RJ45 CAT5 LAN cable from your LAN Hub or Switch as shown in **Figure 4**.

Step 3: Connect U1, U2, U3, and U4 (**ISDN Lines**) to the appropriate U-Interface connectors on your NT1 as shown in **Figure 4**.

Step 4: Connect the Power Supply from the Arion 1004 to an AC outlet.

Step 5: Program the Arion 1004 with appropriate information. Refer to Appendix B for detailed programming information.

# Diagnostics

Initial connection to the AC Outlet, the Arion 1004 should have the following LED Status.

LEDs	Status
<b>1 ~ 4</b>	<b>Solid:</b> Ux (x=1~4) Interface is not ready or unable to obtain sync
	<b>Fast Blinking (8Hz):</b> Ux (x=1~4) is in the process of synchronization
	<b>Slow Blinking (1Hz):</b> Ux (x=1~4) obtain synchronization and is in the process of Gatekeeper discovery and registration
	<b>Alternate Blinking (100ms ON - 900ms OFF):</b> Ux (x=1~4) Registration is completed but virtual channel is not established yet
	<b>Off:</b> Ux (x=1~4) is ready for sending and receiving
<b>ACT</b>	<b>Solid:</b> Link Activated
	<b>Blinking:</b> Link Activated with traffic transmitting
	<b>Off:</b> Link Deactivated

*Table 1. LED Status Indicators*

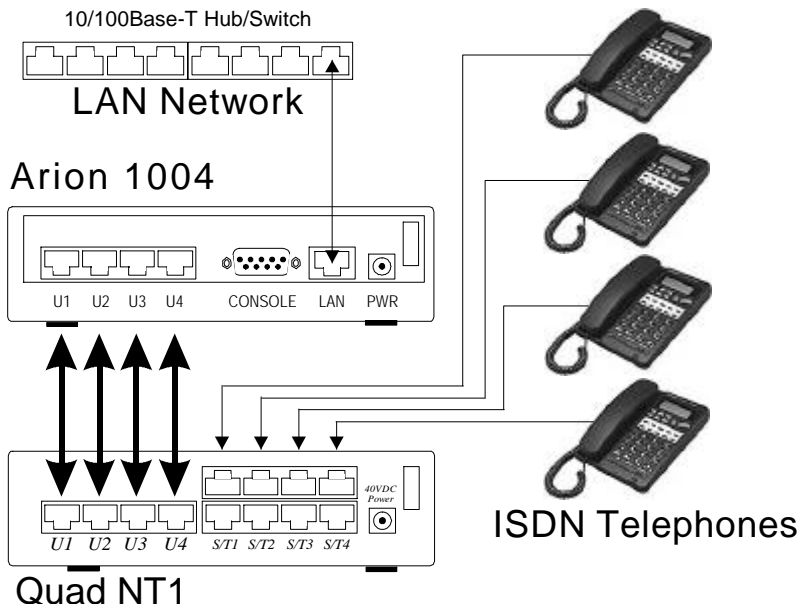
If these steps do not help, refer to Appendix U Troubleshooting Tips.

LEDs	10Base-T	100Base-TX
<b>GREEN</b>	Off	On
<b>ORANGE</b>	n/a	n/a

*Table 2. Ethernet LED Status Indicators*

# Application Guideline Information

This section will describe typical application or usage of the Arion 1004.



**Figure 5.** Application Illustration

The application shows the Arion 1004 being used in a network environment supporting a Quad NT1 with one ISDN Telephone per S/T-Interface. The Arion 1004 is connected to a 10/100Base-T LAN Hub/Switch via the LAN Connector on the Arion 1004. **(NOTE FOR 10Base-T: THE MAXIMUM LENGTH OF THE LAN CABLE PER NETWORK IS 328 FEET, THE MAXIMUM LOOP REACH FOR THE U-INTERFACE IS 10kft).** The Arion 1004 is connected to an AC Outlet as well as the NT1 being used.

## **Application Information**

### **(Point-to-point Telephone Relocation procedure)**

This is a step-by-step procedure in moving one ISDN phone user from one location to another using the ISDN IP Gateway:

- 1) Disconnect the ISDN Telephone set from the NT1.
- 2) By using the WEB GUI remove or delete Alias from the ISDN IP Gateway serving the current location (see Quick Reference Guide for further detail).
  - a) The IP Address of the VoIP Gateway serving the user before the move and also the IP Address of the VoIP Gateway serving the user in the new location is needed. (You can connect directly to the console port using a command to find out the IP address of the unit). Start the Browser session and use WEB GUI to configure.
- 3) Add the same Alias, that has been removed from step 2 above, to the ISDN IP Gateway serving the user in the new location.
- 4) Reconnect the ISDN Telephone set to telecommunication jack or behind the S/T-Interface of the NT1 serving the new location.
- 5) Upon re-registering with iMerge and new ISDN IP Gateway, check to make sure that one can draw dial tone by going off-hook on the ISDN Telephone set.

## **Appendix A: Ordering Information**

To order any of the following components, please contact Alpha Telecom, Inc. U.S.A. at (256) 772-5245 or visit our webpage: [www.alpha-tele.com](http://www.alpha-tele.com).

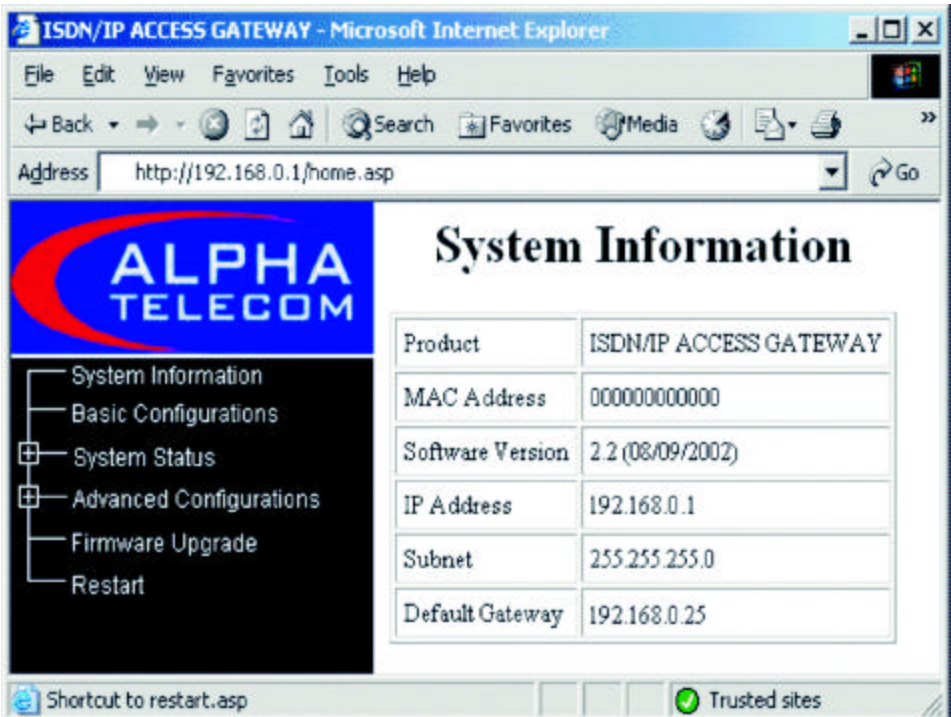
Arion 1004 Complete Kit	555-1004GA
Arion 1004 Unit only	553-1004GA
Arion 1004 Installation Guide	035010041000
16W Power Supply	272-16000
6 foot RJ45-RJ45 CAT5 Cable	220-45450
Arion 1004 Basic Setup (Quick Reference Guide)	035010041100
Wall Mount Kit (2-wall anchors/2-screws)	033004011000

***Table 3. Ordering Information***

# Appendix B: Setup Configuration

## Configuring the Arion 1004 for first time users.

1. Open your Web browser (i.e. Internet Explorer or Netscape Navigator).
2. In the “Address” field, type `http://192.168.0.1` and press the <ENTER> key.
  - ▶ 192.168.0.1 with DHCP disabled will be the manufacturer default setting
3. In the “System Information” page of the Arion Web console, the following information will be shown:
  - a. Product
  - b. MAC Address
  - c. Software Version
  - d. IP Address
  - e. Subnet
  - f. Default Gateway

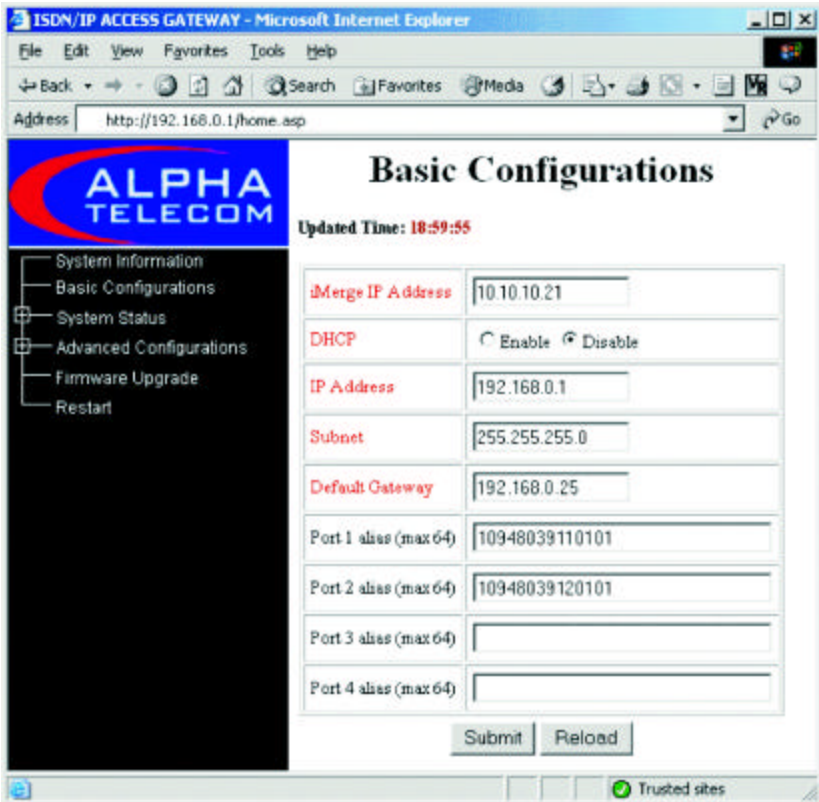


System Information	
Product	ISDN/IP ACCESS GATEWAY
MAC Address	000000000000
Software Version	2.2 (08/09/2002)
IP Address	192.168.0.1
Subnet	255.255.255.0
Default Gateway	192.168.0.25

## **Appendix B: Setup Configuration**

4. The following options are available on the left hand column of the GUI on the Arion 1004 Web Console:
  - a. System Informations
  - b. Basic Configurations - Primary setup page used for configuring the device.
  - c. System status - Providing the status of the device
  - d. Advanced Configuration - Advanced features used to set up the device. It includes:
    - i. Administration
    - ii. Ethernet and TCP/IP
    - iii. H.323
    - iv. RTP/RTCP
    - v. Systems log
    - vi. Restore factory settings
  - e. Firmware Upgrade - Connecting with TFTP server to upgrade the latest version of firmware.
  - f. Restart - Reset and restart the device
5. For Basic Configuration of the unit, click “Basic Configuration” on the left hand column. The following items will show. Continue with Appendix C Step 1.

# Appendix C: Basic Configuration

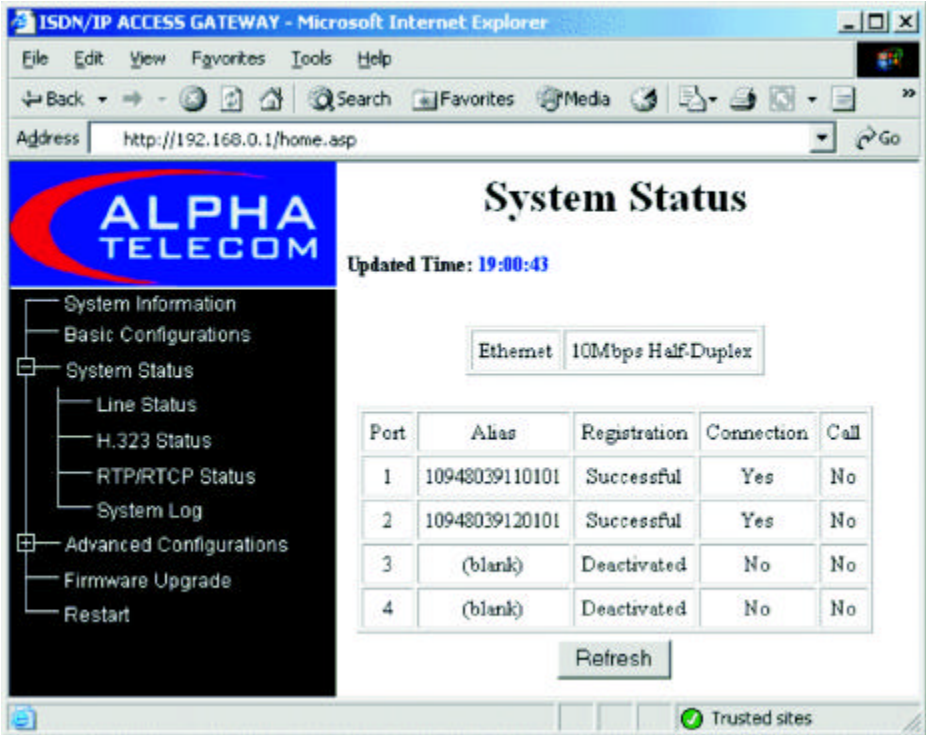


1. The following parameters can be found under this Web page:
  - a. IP Address of iMerge (CFG)
  - b. Enable DHCP service (for dynamic IP setting) or enter IP address (for static address).
  - c. Entering the Alias information (provided by service provider or telephone company).
2. Click "SUBMIT" Button to register changes.
3. Click "RESTART" Button to activate the reset/restart unit function.
4. A visual Restart Timer will display. Device is doing a restart process. All the changes will be saved and be used from now on.
5. RELOAD will reset all parameters on this page, to original values or settings.

**NOTE: Configurations are marked as red color will only take effect after restart**

## Appendix D: System Status

Selecting the System Status on the left hand column, will display the speed of the Ethernet interface and the current status of the four U-Interfaces (U1, U2, U3, and U4).



The screenshot shows a web browser window titled "ISDN/IP ACCESS GATEWAY - Microsoft Internet Explorer". The address bar shows "http://192.168.0.1/home.asp". The page content includes the Alpha Telecom logo, a navigation menu on the left, and a main content area with the following elements:

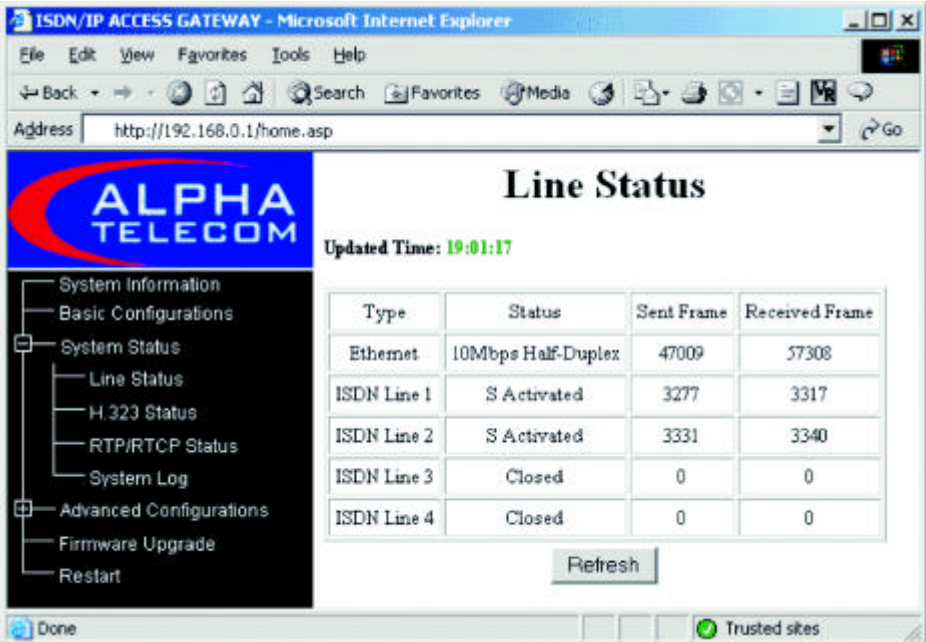
- System Status** (Updated Time: 19:00:43)
- Network speed indicator: Ethernet 10Mbps Half-Duplex
- Table of U-Interface status:

Port	Alias	Registration	Connection	Call
1	10948039110101	Successful	Yes	No
2	10948039120101	Successful	Yes	No
3	(blank)	Deactivated	No	No
4	(blank)	Deactivated	No	No

Below the table is a "Refresh" button. The browser's status bar at the bottom shows a green checkmark and the text "Trusted sites".

## Appendix E: Line Status

Selecting Line Status on the left hand column under System Status, will display the current status of the connection between the device and the iMerge.



The screenshot shows a web browser window titled "ISDN/IP ACCESS GATEWAY - Microsoft Internet Explorer". The address bar shows "http://192.168.0.1/home.asp". The page content includes the Alpha Telecom logo, a navigation menu on the left, and a "Line Status" section. The "Line Status" section displays a table with columns for Type, Status, Sent Frame, and Received Frame. The table lists Ethernet, ISDN Line 1, ISDN Line 2, ISDN Line 3, and ISDN Line 4. A "Refresh" button is located below the table. The status bar at the bottom shows "Done" and "Trusted sites".

**Line Status**  
Updated Time: 19:01:17

Type	Status	Sent Frame	Received Frame
Ethernet	10Mbps Half-Duplex	47009	57308
ISDN Line 1	S Activated	3277	3317
ISDN Line 2	S Activated	3331	3340
ISDN Line 3	Closed	0	0
ISDN Line 4	Closed	0	0

Refresh

## Appendix F: H.323 Status

Selecting H.323 Status on the left hand column under System Status, will display the current status of the Aliases, Local Ports, Remote Ports, Call Reference Values, and Media Channel.

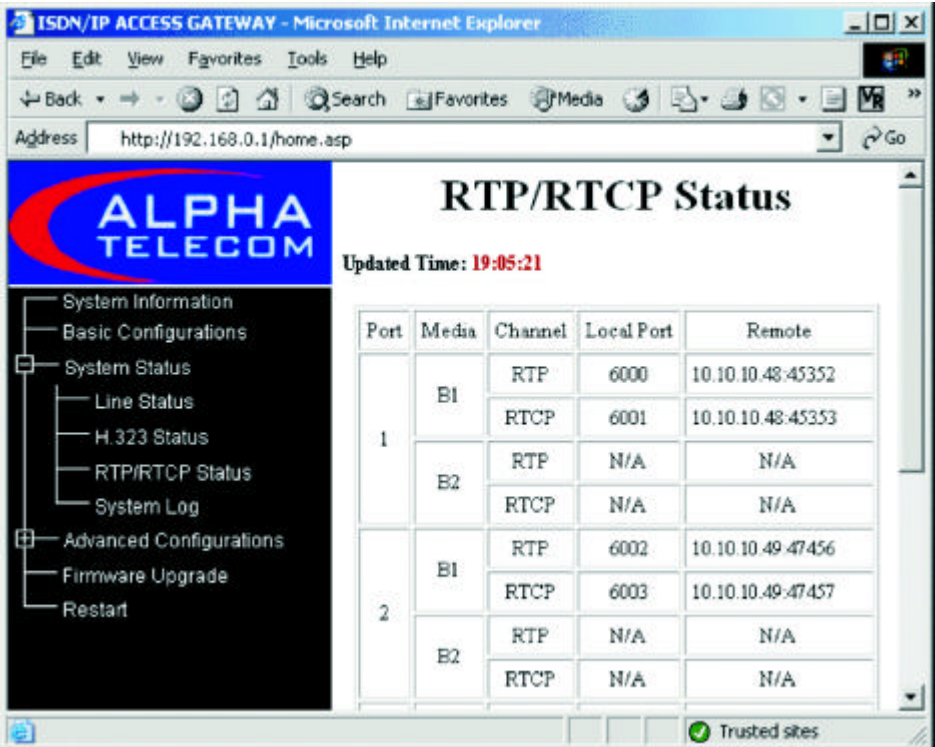
The screenshot shows a web browser window titled "ISDN/IP ACCESS GATEWAY - Microsoft Internet Explorer". The address bar contains "http://192.168.0.1/home.asp". The page content includes the Alpha Telecom logo on the left, a navigation menu, and the main content area titled "H.323 Status". The status is updated at 19:04:30. A table displays the following data:

Alias	Local Port	Remote	CallRef	Media Channel
10948039110101	1720	10.10.10.48:1064	1361	N/A
	1720	10.10.10.21:3191	1	10.10.10.48:45352
10948039120101	1721	10.10.10.48:1062	1362	N/A
	1721	10.10.10.21:3192	1	10.10.10.49:47456

Below the table is a "Refresh" button. The browser's status bar at the bottom shows "Done" and "Trusted sites".

## Appendix G: RTP/RTCP Status

Selecting RTP/RTCP Status on the left hand column under System Status, will display the current status of the RTP and RTCP channels per port.



The screenshot shows a Microsoft Internet Explorer browser window displaying the 'RTP/RTCP Status' page of an ISDN/IP Access Gateway. The browser's address bar shows 'http://192.168.0.1/home.asp'. The page features the Alpha Telecom logo and a navigation menu on the left. The main content area displays a table of RTP/RTCP channel status for two ports, with an updated time of 19:05:21.

**ALPHA TELECOM**

**RTP/RTCP Status**

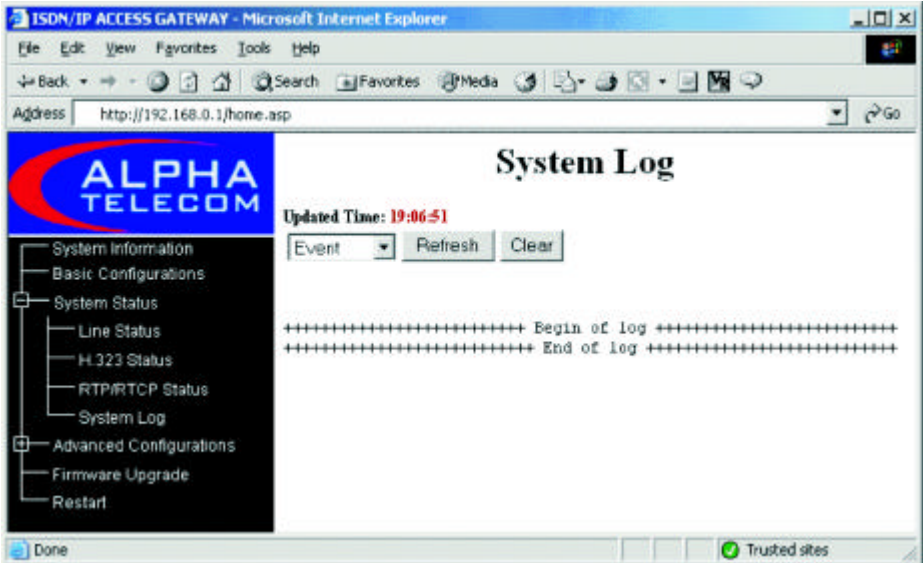
Updated Time: 19:05:21

Port	Media	Channel	Local Port	Remote
1	B1	RTP	6000	10.10.10.48:45352
		RTCP	6001	10.10.10.48:45353
	B2	RTP	N/A	N/A
		RTCP	N/A	N/A
2	B1	RTP	6002	10.10.10.49:47456
		RTCP	6003	10.10.10.49:47457
	B2	RTP	N/A	N/A
		RTCP	N/A	N/A

Trusted sites

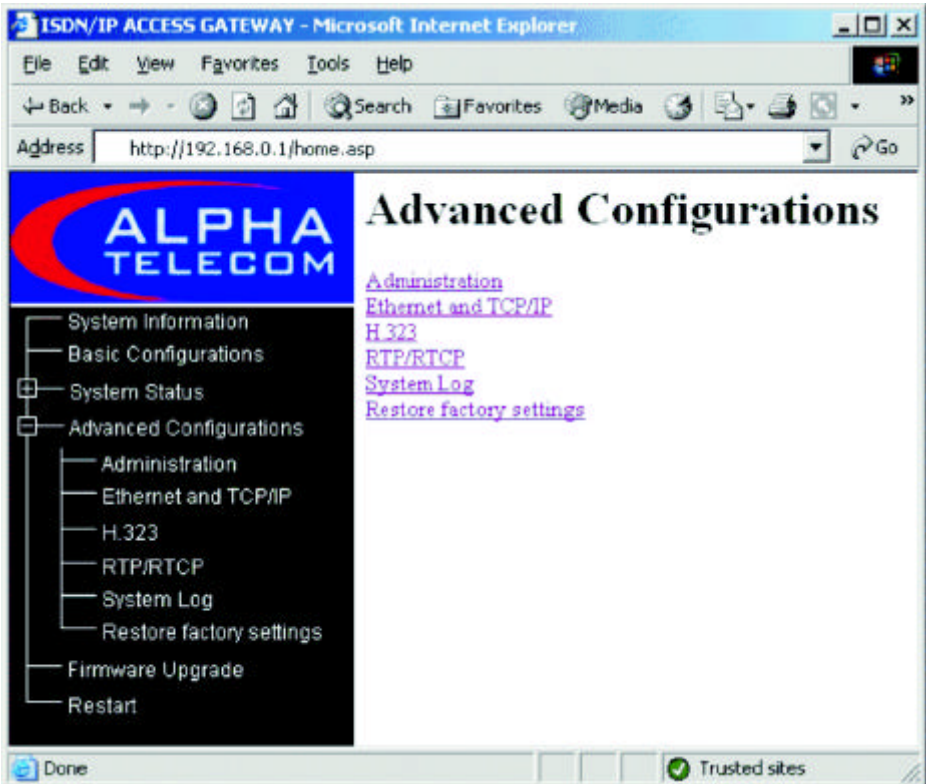
# Appendix H: System Log

Selecting System Log on the left hand column under System Status, will display the current system log entries.



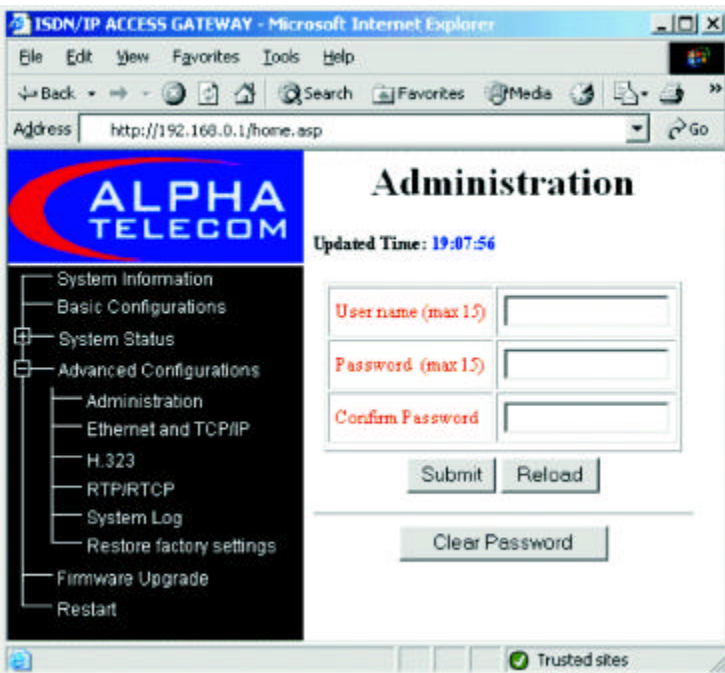
## Appendix I: Advanced Configurations

Selecting Advanced Configurations on the left hand column, will display a list of advanced selections. These are Administration, Ethernet and TCP/IP, H.323, RTP/RTCP, System Log, and Restore factory settings.



## Appendix J: Administration

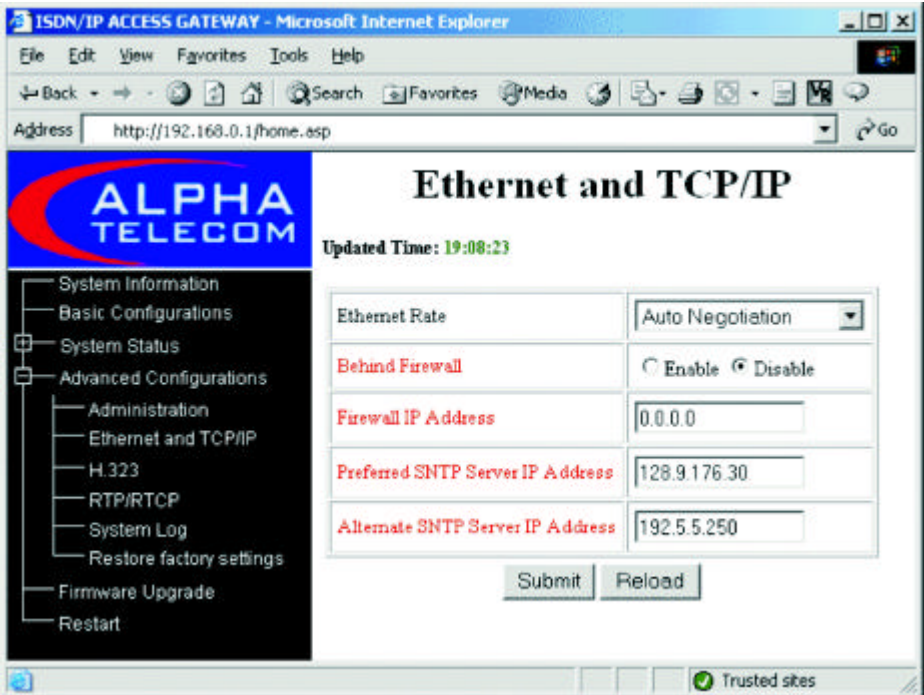
1. Open your Web browser (i.e. Internet Explorer or Netscape Navigator).
2. In the “Address” field, type IP Address of the device and press the <ENTER> key.
3. Click “+” sign of “Advanced Configurations” to expand the sub-menus.
4. Click “Administrator”.
5. Enters Username, Password, and Confirmed Password fields.
6. Click “Submit Button”.
7. Click “Restart” item on the left of menu and enter “Restart” page.
8. Click “RESTART” Button to activate the reset/restart unit function.
9. RELOAD will reset all parameters on this page, to original values or settings.



**NOTE: Configurations are marked as red color will only take effect after restart**

## Appendix K: Ethernet and TCP/IP

Selecting Ethernet and TCP/IP on the left hand column under the Advanced Configurations, will display the settings for the LAN Ethernet connection rate, selection if behind a firewall, the firewall's IP Address, and SNTP (Simple Network Time Protocol) IP Address.



**NOTE: Configurations are marked as red color will only take effect after restart**

## Appendix L: H.323 Configurations

Selecting H.323 Configurations on the left hand column under Advanced Configurations, will display the port settings for the device.

The screenshot shows the 'H.323 Configurations' page in a Microsoft Internet Explorer browser window. The address bar shows 'http://192.168.0.1/home.asp'. The page features the Alpha Telecom logo and a navigation menu on the left. The main content area is titled 'H.323 Configurations' and shows an 'Updated Time: 19:09:02'. The configuration is organized into sections for 'Access Gateway', 'Merge', and two 'Alias of Port' entries (Port 1 and Port 2). Each section includes fields for 'H 2250 RAS Port', 'H 2250 Signaling Port', and 'Enable H.235' (checkbox). Password fields are also present for each port alias. The browser's status bar at the bottom shows 'Done' and 'Trusted sites'.

Section	Field	Value	Additional Info
Access Gateway	H 2250 RAS Port	1719	(1024-65535)
	H 2250 Signaling Port	1720	(1024-65535)
Merge	H 2250 RAS Port	1719	(1024-65535)
	Enable H.235	<input type="checkbox"/>	
Alias of Port 1: 10948039110101	Enable H.235	<input type="checkbox"/>	
	Password (6 to 15)		
	Confirm Password		
Alias of Port 2: 10948039120101	Enable H.235	<input type="checkbox"/>	
	Password (6 to 15)		
	Confirm Password		

**NOTE: Configurations are marked as red color will only take effect after restart**

## Appendix M: RTP/RTCP Configurations

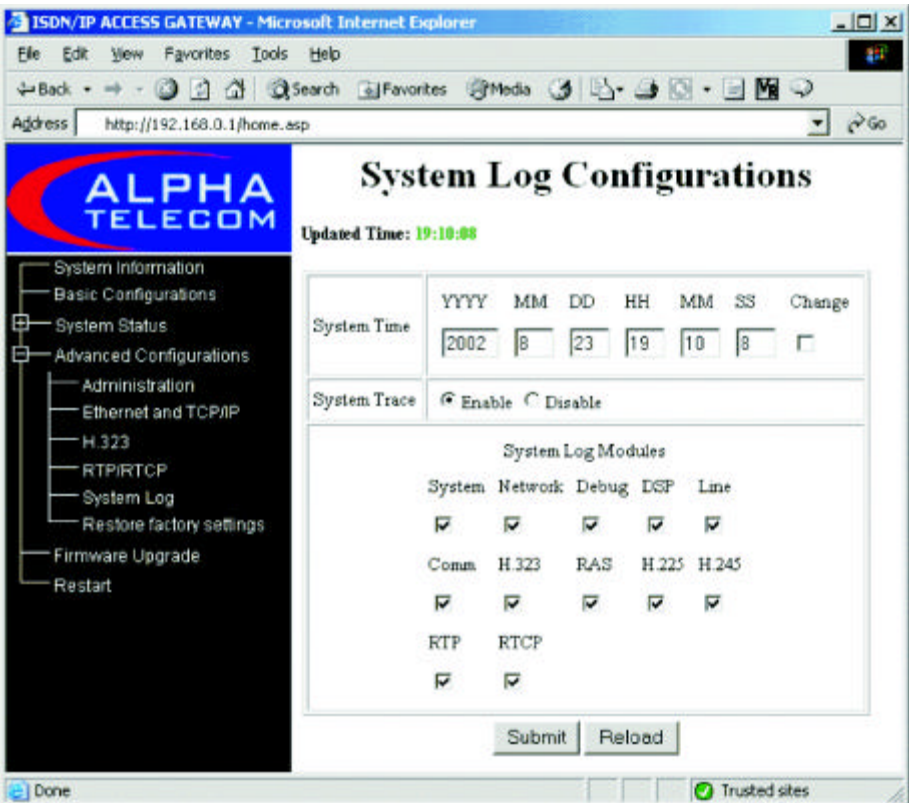
Selecting RTP/RTCP Configurations on the left hand column under Advanced Configurations, will display IP Address for Static Media Gateway (iMerge's Firewall), the port settings for the device, and selections for Jitter Buffer.

The screenshot shows a web browser window titled "ISDN/IP ACCESS GATEWAY - Microsoft Internet Explorer". The address bar shows "http://192.168.0.1/home.asp". The page content includes the Alpha Telecom logo and the title "RTP/RTCP Configurations". Below the title, it says "Updated Time: 19:09:36". On the left, there is a navigation menu with the following items: System Information, Basic Configurations, System Status, Advanced Configurations (expanded), Administration, Ethernet and TCP/IP, H.323, RTP/RTCP, System Log, Restore factory settings, Firmware Upgrade, and Restart. The main content area contains four configuration fields, each with a red label: "Static Media Gateway IP" (text input with "0.0.0.0"), "RTP/RTCP Base Port" (text input with "6000" and "(1024-65520)"), "Average Jitter Buffer" (dropdown menu with "50" and "(milliseconds)"), and "Maximum Jitter Buffer" (dropdown menu with "100" and "(milliseconds)"). Below these fields are "Submit" and "Reload" buttons. The browser's status bar at the bottom shows "Done" and "Trusted sites".

**NOTE: Configurations are marked as red color will only take effect after restart**

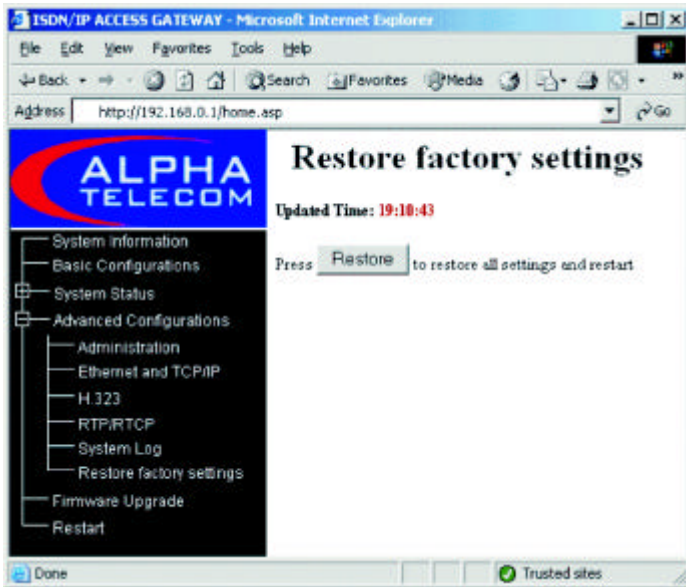
# Appendix N: System Log Configurations

Selecting System Log Configurations on the left hand column under Advanced Configurations, will display selections to Enable/Disable System Trace, selection of modules to trace, which includes: System, Network, DSP, Line, Comm, H.323, RAS, H.225, H.245, RTP, and RTCP.



# Appendix O: Restore factory settings

Selecting Restore factory settings on the left hand column under Advanced Configurations, will allow you to reset the device back to the original factory settings.



## Default Parameters Settings

Parameters	Factory Default setting	Number of Ports Used	Valid Values
<b>H.323</b>			
Access Gateway H.225 RAS port	<i>1719*</i>	4	1024-65532
Access Gateway H.225 signaling port	<i>1720</i>	4	1024-65532
IMerge H.225 RAS port	<i>1719</i>	1	1024-65535
TOS Call Precedence Signaling	<i>4</i>		0-7
TOS Call Precedence RTP	<i>5</i>		0-7
TOS Call Precedence Management	<i>5</i>		0-7
<b>RTP/RTCP</b>			
RTP Base Port	<i>6000**</i>	16	1024-65520
Average Jitter Buffer	<i>50 ms</i>		10-90
Maximum Jitter Buffer	<i>100 ms</i>		20-160
* Access Gateway H.225 RAS Ports and RTP Ports must not overlap			
** RTP Base Port must be an even number			

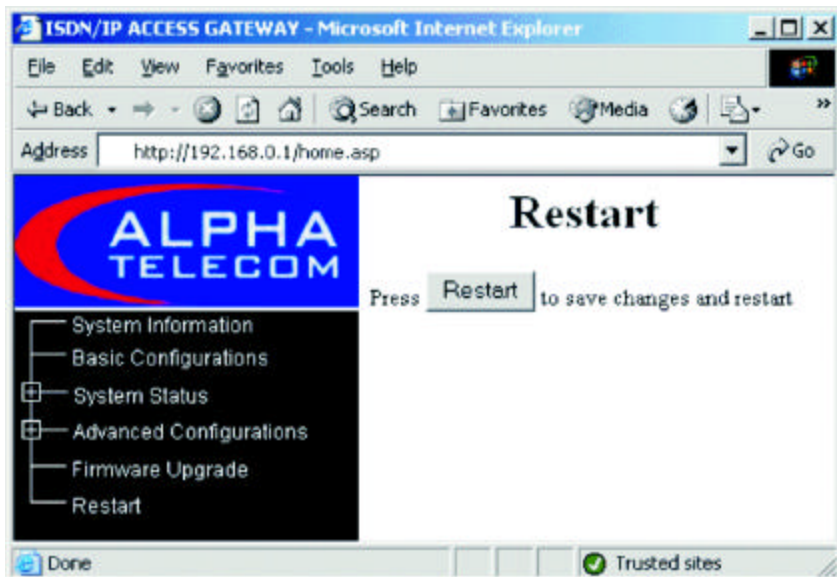
# Appendix P: Firmware Upgrade

Selecting Firmware Upgrade on the left hand column, will display the TFTP Server information. The listing includes: TFTP Server IP Address, TFTP Retry, and TFTP Timeout settings.



## Appendix Q: Restart

Selecting Restart on the left hand column, will allow you to save changes and restart the device.



## **Appendix R: Firewall Port Settings**

To configure the Firewall Port settings for H.323, select the H.323 configuration from the Advanced Configurations Web Page.

1. 4 UDP Ports for RAS process.
  - a. The default port setting is 1719. Valid port setting range is 1719 to 1722.
2. 4 TCP Ports for the signaling channel.
  - a. The default port setting is 1720. Valid port setting range is 1720 to 1723.

To configure the Firewall Port settings for RTP/RTCP, select the RTP/RTCP configuration from the Advanced Configurations Web Page.

1. 8 UDP Ports for the bearer calls (RTP/RTCP).
  - a. The default port setting is 6000. Valid port setting range is 6000 to 6015.

## Appendix S: Interface Pin Assignments

Each interface has specific pinouts which are important for electricians and technicians to know. Anyone installing wiring for the Arion 1004 should pay close attention to this information. All interfaces described here are located on the rear panel of the Arion 1004.

Pin	Function	Pin	Function
1	---	2	---
3	---	4	TIP
5	RING	6	---
7	---	8	---

*Table 4. U-Interface Pin Assignments*

Pin	Function	Pin	Function
1	+40V	2	GND

*Table 5. Power Connector Pin Assignments*

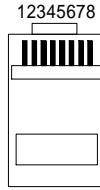
Pin	Function	Pin	Function
1	TD+	2	TD-
3	RD+	4	N/C
5	N/C	6	RD-
7	N/C	8	N/C

*Table 6. LAN Connector Pin Assignments*

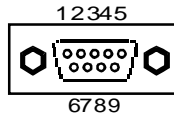
Pin	Function	Pin	Function
1	DCD	6	DSR
2	RD	7	RTS
3	TD	8	CTS
4	DTR	9	RI
5	GRD		

*Table 7. DB9 (RS-232) Connector Pin Assignments*

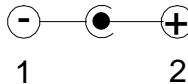
## Appendix T: Cable Pinouts



**Figure 6.** RJ45 LAN Pin Locations



**Figure 7.** DB9 Pin Locations



**Figure 8.** Power Pin Locations

## Appendix U: Power Supply Pinouts

The Arion 1004 is powered by an AC power supply included with the unit.

<b>Unit</b>	<b>Input</b>	<b>Output</b>
16 Watt	120VAC@60Hz	+48VDC@250mA

*Table 8. Power Supply Information*

## **Appendix V: Troubleshooting Tips**

▶ **What is the default IP address of the Arion 1004?**

The factory default IP Address is 192.168.0.1

▶ **What do you do when you face an error during configuration?**

You can reset all the parameters in the Arion 1004 as the factory setting through the Web page “Restore Factory Setting”.

▶ **If there is no dial tone or the telephone cannot place calls, what do you do?**

Verify the following:

- i. Cabling is in working condition and installed correctly
- ii. The Arion 1004 is powered on and programmed, the ISDN Phones are configured correctly.
- iii. Verify the Arion 1004 can be seen on the network by using ping.
- iv. Access the Web page “System Status” to check the communications between the Arion 1004 and the Switch.

▶ **What codecs are supported??**

The Arion 1004 supports G.711 PCM CODEC.

## Appendix W: Command on Console

To access the console menus, the user must run a communication program such as HyperTerminal accessory of MS-Windows with the following parameters setting:

**Baud Rate: 19200, Data Bits: 8, Stop Bits: 1,  
Parity: None, FlowControl: None**

(1) Commands in normal state. (Without Supervisor login)

1. ? or Help
  - Display command : ? **command**
  - Display all commands : ?
  - Display command : **Help command**
  - Display all commands : **Help**

2. Login
  - Login as administrator: **Login name password**

3. ResetAdmin
  - Reset the password: **ResetAdmin <MAC Address>**

(2) Commands in Login state: (or Admin username and password do not setup yet)

1. ? or Help
  - Display command : ? **command**
  - Display all commands : ?
  - Display command : **Help command**
  - Display all commands : **Help**

2. Logout
  - Logout and discard changes : **Logout**

3. Macaddr
  - Display MAC Address : **Macaddr**

4. Dhcp
  - Display DHCP status : **Dhcp**
  - Turn on DHCP : **Dhcp on**
  - Turn off DHCP : **Dhcp off**

5. IpAddr
  - Display IP Address : **Ipaddr**
  - Set Static IP Address : **Ipaddr xxx.xxx.xxx.xxx**

6. Subnet
  - Display Static Subnet : **Subnet**
  - Set Static Subnet : **Subnet xxx.xxx.xxx.xxx**

## Appendix W: Command on Console

7. Gateway
  - Display Default Gateway : **Gateway**
  - Set Default Gateway : **Gateway xxx.xxx.xxx.xxx**
  
8. Status
  - Display current settings and system states:
    - Status SysInfo**
    - Status BasicConf**
    - Status Line**
    - Status H323**
    - Status SysLog [Event | Decode]**
  
9. Submit
  - Save changes and restart : **Submit**
  
10. Restore
  - Restore the factory default values : **Restore**
  
11. Trace
  - Display trace status : **Trace**
  - Turn on trace : **Trace on**
  - Turn off trace : **Trace off**

## **Appendix X: Acronyms**

A (mA)	Amp (milli-Amp)
AC	Alternating Current
DC	Direct Current
DHCP	Dynamic Host Configuration Protocol
Hz	Hertz
GUI	Graphical User Interface
IP	Internet Protocol
RTCP	Real-time Transport Control Protocol
RTP	Real-time Transport Protocol
SNTP	Simple Network Time Protocol
TCP	Transmission Control Protocol
TOS	Type of Service
TFTP	Trivial File Transfer Protocol
V	Volts
VAC	Volts AC
VDC	Volts DC

## **FCC Notice**

This device complies with all FCC Part 15 rules and regulations. Operation is subject to the following conditions: 1) This device may not cause harmful interference, and 2) This device must accept any interference received, including interference that may cause undesired operation.

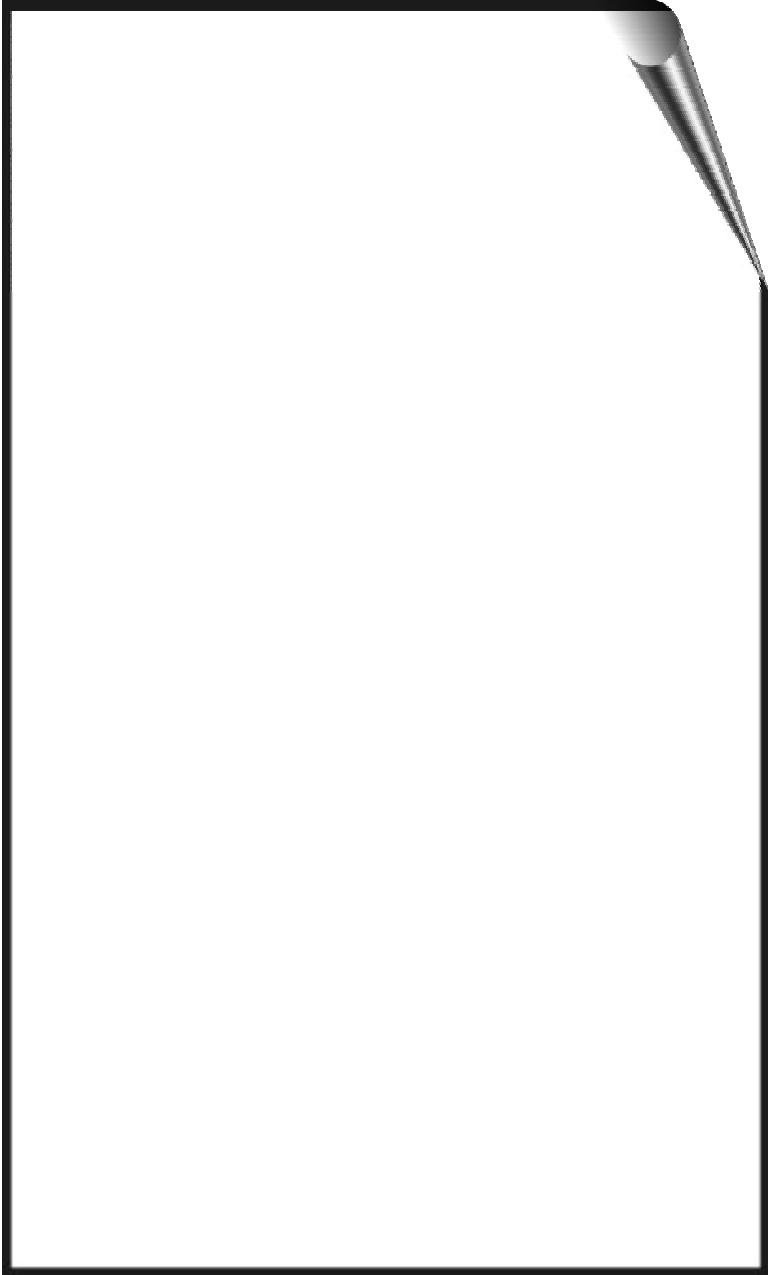
If your Arion 1004 causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advanced notice isn't practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC if you believe it is necessary.

Your telephone company may make changes in its facilities, equipment, operations, or procedures that could effect the operation of your equipment. If they do, you will be given advanced notice so as to give you an opportunity to maintain uninterrupted service.

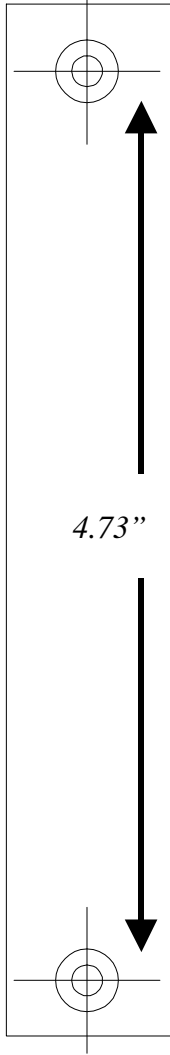
## **ETL/ETLC Notice**

This device complies with all ETL and ETLC safety requirements.

# NOTES:



# Wall Mounting Template



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