

Initial configuration

Vega 50 FXS (H.323)

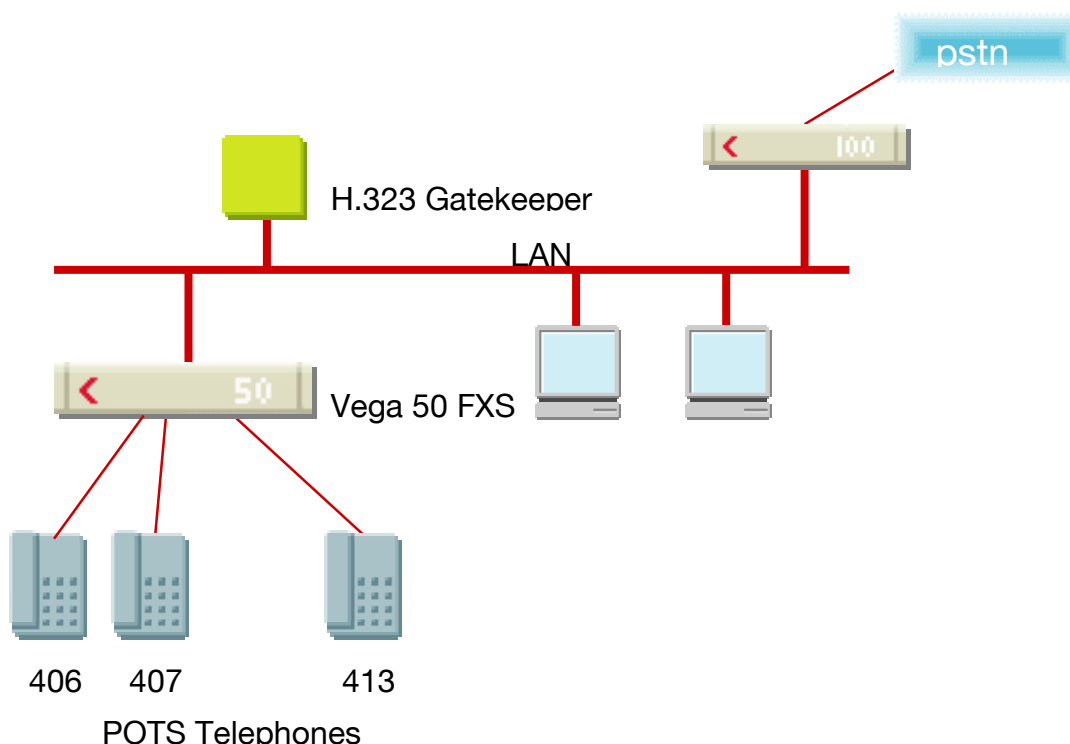
Gatekeeper mode – R5.1



This document describes how to configure a Vega 50 FXS H.323 unit using the web browser interface. The configuration described will allow the Vega to be rapidly installed and tested.

The instructions below will configure the Vega 50 FXS to act as follows:

- Calls received from any of the attached analogue phones will be routed using the gatekeeper; the Vega will pass on any dialed digits
- Calls received from the gatekeeper need to have the 3-digit extension numbers 406 to 413 presented in order to identify which of the 8 telephones to ring. (Any translation of the actual telephone number dialed by the caller to the 3-digit extension number must be carried out in the gatekeeper)



The Caller ID values presented to the LAN will be configured as though the full number of the telephones is 1344 784 4xx, where 4xx is the extension number i.e.:

Extension number	Caller ID
406	1344 784 406
407	1344 784 407
408	1344 784 408
409	1344 784 409
410	1344 784 410
411	1344 784 411
412	1344 784 412
413	1344 784 413

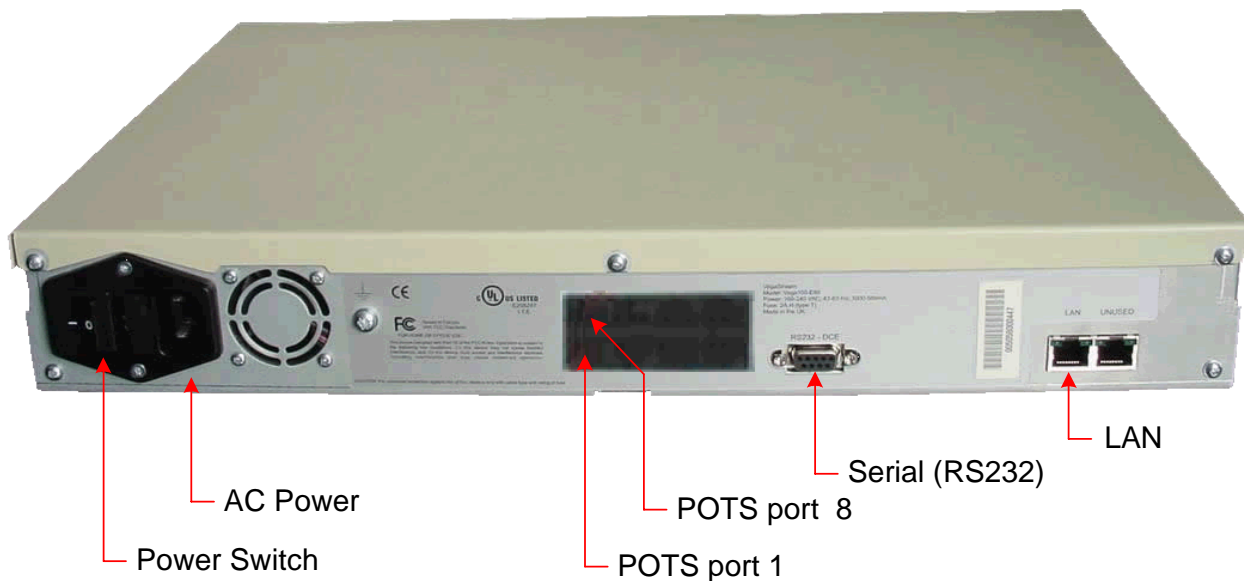
The configuration process is broken down into 11 stages as follows:

- 1 Connect your Vega to LAN, Telephone and Power
- 2 Configure the basic LAN parameters
- 3 Configure password and login timeout
- 4 Check and configure LAN settings and Host name
- 5 Select Gatekeeper mode
- 6 Configure the Dial Plan
- 7 Configure audio parameters
- 8 Configure POTS parameters
- 9 Configure pointer to CD ROM documentation
- 10 Save Changes
- 11 Archive Vega Configuration

Please also see:

- 12 Technical Support

1. Connect your Vega to LAN, Telephone and Power



Before installing your Vega, ensure that you read the VegaStream VoIP Gateways Safety and Compliance Information document.

LAN:

Using the yellow booted cable connect the LAN port on the Vega to a standard or fast Ethernet hub or switch (10 baseT or 100 baseTx). The connector nearest the ferrite core should be plugged into the Vega.

Telephony:

Connect analogue telephones to the 8 POTS ports. Note the port numbers increase in an anticlockwise direction from the bottom left corner. So the phones extensions will be as follows:

413	412	411	410
406	407	408	409

Power:

Insert the power cable into the AC power inlet on the Vega and switch on. The power LED on the front panel will illuminate.

The LAN LEDs will also illuminate indicating 10 (baseT) or 100 (baseTx) connection, and the FDX LED will illuminate if Full Duplex mode has been negotiated.

2. Configure the basic LAN parameters

If a DHCP server is available, by default, the Vega will automatically pick up an IP address. If the Vega has an LCD display, or you know the IP address served to the Vega, skip this section and start at section [3](#).

If DHCP is not to be used to provide the Vega with an IP address, or you need to check the IP address provided to the Vega, connect the serial interface of the Vega to a PC serial interface using a 9 way male to female straight through cable.

Configure a terminal emulator program (such as Microsoft's HyperTerminal) for:

- Speed = 115200 baud
- Data bits = 8
- Parity = none
- Stop bits = 1
- Flow Control = none

Press <Enter> to get the Username: prompt

At the prompts enter the default user name and password

Username: admin

Password: admin

To display the current IP address, type:

```
> show lan.ip
```

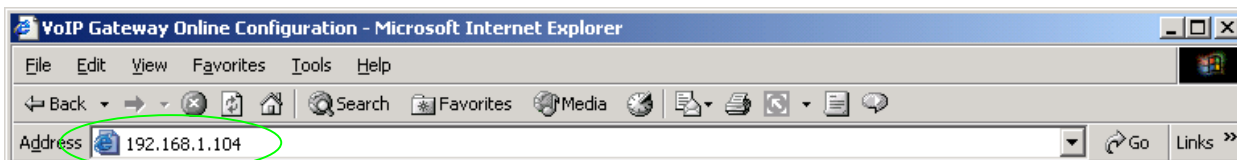
If this is not the IP address required, it can be overridden, together with other LAN parameters by typing:

```
> set lan.use_dhcp=0
> set lan.ip=aaa.bbb.ccc.ddd
> set lan.subnet=eee.fff.ggg.hhh
> set lan.gateway=iii.jjj.kkk.lll
> save
> reboot system
```

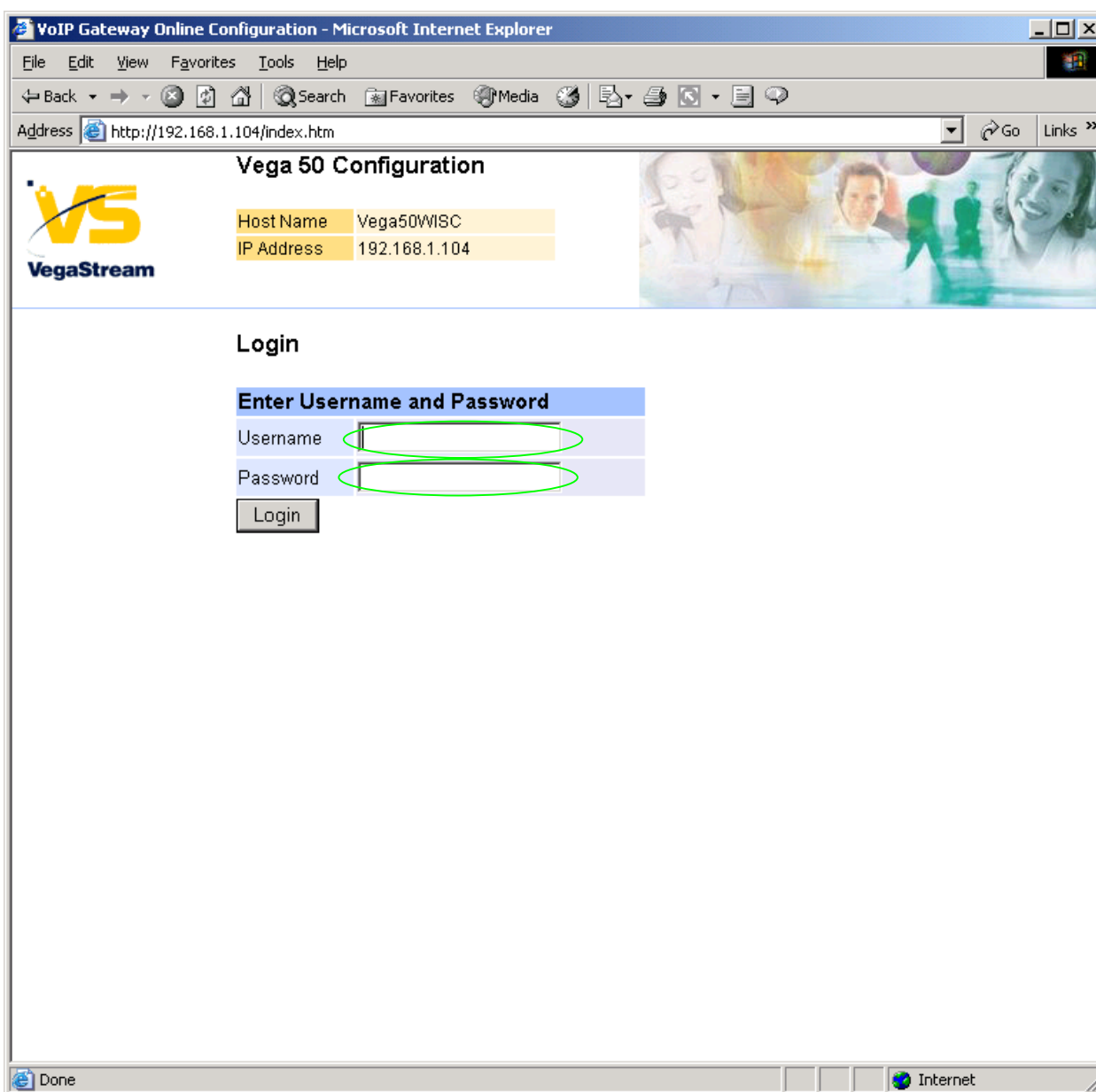
3. Configure password and login timeout

Now configuration will be carried out using a web browser.

- Enter the IP address of the Vega into the “Address” field of your web browser.



You will then be presented with the login page:



Enter the default Username and Password

- Username: admin
- Password: admin
- Select

Vega 50 Configuration

Host Name	Vega50WISC
IP Address	192.168.1.104
User Name	admin

Management | **System Management**

Logging
Maintenance
LAN
POTS
H.323
Dial Plan
Media Channels
Users
QoS
Advanced

Save
Log off
Help
Reboot System

Quick Configuration Wizard
Quick step by step essential configuration

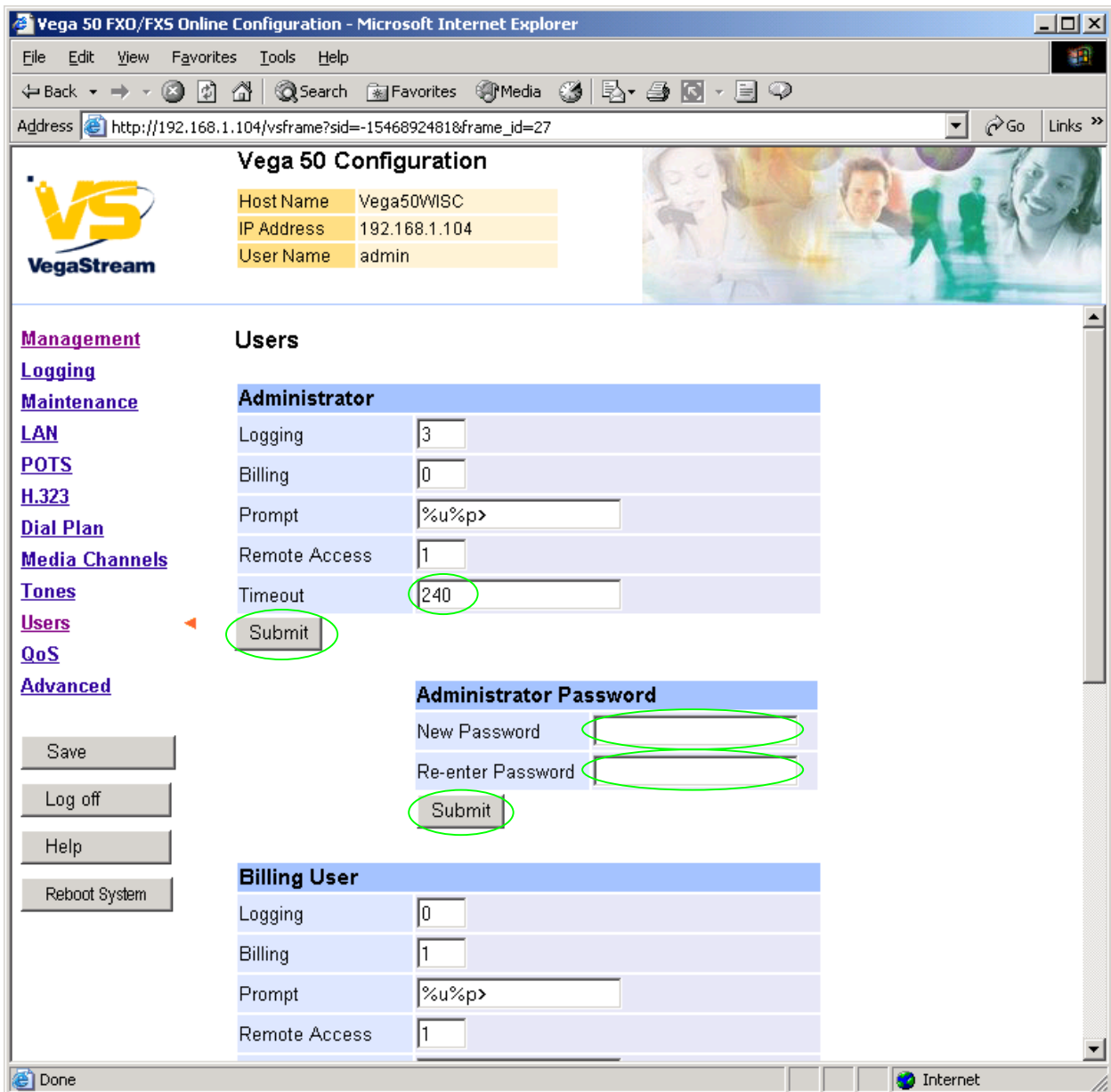
System Time
Set Time (hh:mm:ss) : :
Set Date (dd/mm/yyyy) / /
Synchronise Time and Date With PC With NTP server

Call Reports
Report call progress summary [Show Calls](#)
Report on all call progress statistics [Show Trace](#)

System Logs
Show the Event Log [Show Event Log](#)
Show the Billing Log [Show Billing Log](#)

Call Control
All further calls are

➤ On the left hand side menu select [Users](#)



Recommended: Change the password

- enter New Password and Re-enter Password then
- select and then click "[here](#)" to return

Optional: Change the timeout¹ – default is 240 seconds; can extend to 7200 seconds (2hrs)

- select and then click "[here](#)" to return

¹ If the web interface is not used for this length of time the Vega will automatically log off the session. This change is only activated by logging out and back into the browser session.

4. Check and configure LAN settings and Host name

- On the left hand side menu select [LAN](#)

Vega 50 Configuration

Host Name	Vega50WISC
IP Address	192.168.1.104
User Name	admin

⚠ Unsaved Configuration Changes

Local Area Network (changed)

Warning: Changing these parameters may prevent remote access.

Current Mode: Standard Ethernet Mode

Change to VLAN (8021q) Ethernet mode | **VLAN Mode**

LAN Configuration

Use DHCP	<input checked="" type="checkbox"/>	
Host Name	Vega50WISC	
IP Address	DHCP defined	
Subnet Mask	DHCP defined	
Domain Name Server	DHCP defined	Use DHCP <input checked="" type="checkbox"/>
Default Gateway	DHCP defined	Use DHCP <input checked="" type="checkbox"/>
TFTP Server	DHCP defined	Use DHCP <input checked="" type="checkbox"/>
Network Time Server	DHCP defined	Use DHCP <input checked="" type="checkbox"/>
FTP Server	0.0.0.0	
NTP Offset (hhmm)	0000	
NTP Poll Interval	0	

Physical Layer Configuration

Full Duplex	<input type="checkbox"/>
-------------	--------------------------

Optional: If there are any LAN values that need to be set up (e.g. NTP server or tftp server) set them up now, then

- Select and then click ["here"](#) to return

5. Select Gatekeeper mode

- On the left hand side menu select [H.323](#)

Vega 50 Configuration

Host Name Vega50WISC
IP Address 192.168.1.104
User Name admin

Unsaved Configuration Changes

Management
Logging
Maintenance
LAN
POTS
H.323
Dial Plan
Media Channels
Tones
Users
QoS
Advanced

H.323

Current Mode: Standalone Mode

Change to Gatekeeper mode **Gatekeeper Mode**

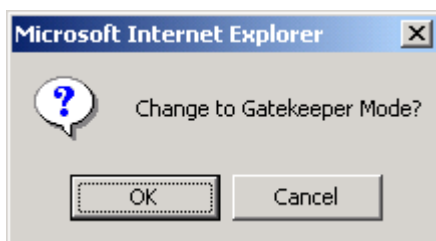
H.323 LAN Configuration

Interface ID	05
Cost Index	1
Maximum Calls	8
Default Gateway	0.0.0.0
Use Fast Start	<input checked="" type="checkbox"/>
Accept Fast Start	<input type="radio"/> no <input type="radio"/> after connect <input checked="" type="radio"/> after alert <input type="radio"/> after proceeding
H245 After Fast Start	<input checked="" type="checkbox"/>
Use Early H245	<input type="checkbox"/>
Accept Early H245	<input checked="" type="checkbox"/>
Use H245 tunnelling	<input checked="" type="checkbox"/>
Accept H245 tunnelling	<input checked="" type="checkbox"/>
Setup Mapping	1
QoS profile	0

Submit

Save
Log off
Help
Reboot System

- Select **Gatekeeper Mode**



- Select **OK**

Vega 50 Configuration

Host Name Vega50WISC
 IP Address 192.168.1.104
 User Name admin

Unsaved & Unapplied Changes

Management
 Logging
 Maintenance
 LAN
 POTS
H.323
 Dial Plan
 Media Channels
 Tones
 Users
 QoS
 Advanced

H.323

Current Mode: Gatekeeper
 Change to Standalone Mode Standalone Mode

H.323 LAN Configuration

Interface ID	05
Cost Index	1
Maximum Calls	8
Default Gateway	0.0.0.0
Use Fast Start	<input checked="" type="checkbox"/>
Accept Fast Start	<input type="radio"/> no <input type="radio"/> after connect <input checked="" type="radio"/> after alert <input type="radio"/> after proceeding
H245 After Fast Start	<input checked="" type="checkbox"/>
Use Early H245	<input type="checkbox"/>
Accept Early H245	<input checked="" type="checkbox"/>
Use H245 tunnelling	<input checked="" type="checkbox"/>
Accept H245 tunnelling	<input checked="" type="checkbox"/>
Setup Mapping	1
QoS profile	0

Save
 Log off
 Help
 Reboot System
 Apply Changes
 Submit

➤ Scroll down to the bottom of the page

Vega 50 Configuration

Host Name: Vega50WISC
 IP Address: 192.168.1.104
 User Name: admin

Management
 Logging
 Maintenance
 LAN
 POTS
 H.323
 Dial Plan
 Media Channels
 Tones
 Users
 QoS
 Advanced

H245 After Fast Start
 Use Early H245
 Accept Early H245
 Use H245 tunnelling
 Accept H245 tunnelling
 Setup Mapping: 1
 QoS profile: 0

H.323 Gatekeeper

Auto Discover
 Default Gatekeeper: 0.0.0.0
 Cumulative
 Submit

H.323 Gatekeeper Terminal Alias

Del?	Alias ID	Type	Name	Chg?
<input type="checkbox"/>	1	h323	NULL	Modify

Delete Add

Advanced H323 Configuration
[Advanced H323](#)

- Either configure the H.323 Gatekeeper “Default Gatekeeper” with the IP address of the Gatekeeper, or tick Auto Discover.
- select **Submit** and then click “[here](#)” to return

Configure the gatekeeper terminal alias – this needs to match the gatekeeper’s expectations. e.g. set it to an H.323 type alias “Vega_50”

In the **H.323 Gatekeeper Terminal Alias** section

- Select [Modify](#)

[H.323](#) > Terminal Alias 1

Modify Terminal Alias	
Alias ID	1
Type	H323
Name	NULL
<input type="button" value="Submit"/>	

- Set Name = Vega_50
(hint: use _ instead of spaces as spaces are not allowed)
- Select and then click "[here](#)" to return

H.323 Gatekeeper Terminal Alias				
Del?	Alias ID	Type	Name	Chg?
<input type="checkbox"/>	1	h323	Vega_50	Modify
<input type="button" value="Delete"/>	<input type="button" value="Add"/>			

If more than one alias is required then select and configure as required.

6. Configure the Dial Plan

- On the left hand side menu select [Dial Plan](#)

Vega 50 Configuration

Host Name Vega50WISC
IP Address 192.168.1.104
User Name admin

Unsaved & Unapplied Changes

Management
Logging
Maintenance
LAN
POTS
H.323
Dial Plan
Media Channels
Tones
Users
QoS
Advanced

Dial Planner

Profiles

Del?	Profile ID	Enabled	Name	Plans	Chg?
<input type="checkbox"/>	1	1	Vega50_default	==>	Modify

Delete Add

Planner Groups

Del?	ID	Name	Cause	Lan	Gatekeeper	Active times	Priority	Chg?
<input type="checkbox"/>	1	Default	0	off	off	0000-2359	0	Modify

Delete Add

Planner Whitelist Enable

Use Whitelist

Submit

Planner Whitelists

Del?	ID	Name	Number	Chg?
<input type="checkbox"/>	1	default	IF:.*	Modify

Delete Add

Save
Log off
Help
Reboot System
Apply Changes

Firstly, turn off the default profile:

In the **Profiles** section, Profile ID 1

- Select [Modify](#)

[Dial Planner](#) > Profile 1

Modify Profile	
Profile ID	1
Enabled	<input checked="" type="checkbox"/>
Name	<input type="text" value="Vega50_default"/>
<input type="button" value="Submit"/>	

- disable (un-tick) Enabled, then
- select and then click "[here](#)" to return

Now create a new profile and in it create a dial plan entry to handle calls being sent from the telephones to the LAN:

Dial Planner

Profiles					
Del?	Profile ID	Enabled	Name	Plans	Chg?
<input type="checkbox"/>	1	0	Vega50_default	===>	Modify
<input type="button" value="Delete"/>	<input type="button" value="Add"/>				

In the **Profiles** section

- Select

Dial Planner

Profiles					
Del?	Profile ID	Enabled	Name	Plans	Chg?
<input type="checkbox"/>	1	0	Vega50_default	===>	Modify
<input type="checkbox"/>	2	1	new_profile	===>	Modify
<input type="button" value="Delete"/>	<input type="button" value="Add"/>				

In the **Profiles** section, on Profile 2 (the new profile):

- Select [Modify](#)

[Dial Planner](#) > Profile 2

Modify Profile	
Profile ID	2
Enabled	<input checked="" type="checkbox"/>
Name	<input type="text" value="new_profile"/>
<input type="button" value="Submit"/>	

- Set Name = Outbound_To_LAN
- select and then click "[here](#)" to return

Dial Planner

Profiles						
Del?	Profile ID	Enabled	Name	Plans	Chg?	
<input type="checkbox"/>	1	0	Vega50_default	====>	Modify	
<input type="checkbox"/>	2	1	Outbound_To_LAN	====>	Modify	

[Delete](#) [Add](#)

In the **Profiles** section, on Profile 2 (the Outbound_to_LAN profile):

- Select [Modify](#)

[Dial Planner](#) > Profile 2

Modify Profile	
Profile ID	2
Enabled	<input checked="" type="checkbox"/>
Name	<input type="text" value="Outbound_To_LAN"/>

[Submit](#)

Plans in this Profile							
Del?	Plan ID	Name	Src	Dest	Cost	Group	Chg?
<input type="checkbox"/>	1	new_plan	TEL:<.><.*>	IF:<1>,TEL:<2>	0	0	Modify

[Delete](#) [Add](#)

In the **Plans in this Profile** section:

- Select [Modify](#)

Vega 50 Configuration

Host Name Vega50WISC
 IP Address 192.168.1.104
 User Name admin

Unsaved & Unapplied Changes

Management
 Logging
 Maintenance
 LAN
 POTS
 H.323
 Dial Plan
 Media Channels
 Tones
 Users
 QoS
 Advanced

Dial Planner > Profile 2 > Plan 1

Modify Plan

Plan ID 1
 Profile ID 2
 Name new_plan
 Source TEL:<.><*>
 Destination IF:<1>,TEL:<2>
 Cost Index 0
 Group 0 - no group

Apply Generate Prefix Match

Regular Expressions for Source

.	Any character
[...]	Any character within the parentheses
[x-y]	Any character in the range x-y
[^...]	Any character except those within the parentheses
*	The character before repeated zero or more times
+	The character/expression before repeated one or more times
?	The character/expression before repeated zero or more times
\	The character following is taken literally
<...>	Capture the sequence in parentheses and store as < n > where n is the nth occurrence of <> in the source expression

Save
 Log off
 Help
 Reboot System
 Apply Changes

Visit the VegaStream website Internet

- Set Name = From_telephones
- Set Source = IF: . [^5] , TEL: < . * > *(This takes a call from any of the 8 telephony ports and stores the number dialled in store <1>)*
- Set Destination = IF: 05 , TEL: < 1 > *(This routes the call to IF:05 (the LAN) and passes the dialed telephone number – stored in <1> – on as the destination telephone number)*
- select **Apply** and then click [here](#) to return

Vega 50 FXO/FXS Online Configuration - Microsoft Internet Explorer

Address: http://192.168.1.104/vsframe?sid=-1546892481&frame_id=36

Vega 50 Configuration

Host Name: Vega50WISC
 IP Address: 192.168.1.104
 User Name: admin

⚠ Unsaved Configuration Changes

Management
[Logging](#)
[Maintenance](#)
[LAN](#)
[POTS](#)
[H.323](#)
[Dial Plan](#) ◀
[Media Channels](#)
[Tones](#)
[Users](#)
[QoS](#)
[Advanced](#)

Dial Planner > Profile 2

Modify Profile

Profile ID: 2
 Enabled:
 Name: Outbound_To_LAN
 Submit

Plans in this Profile

Del?	Plan ID	Name	Src	Dest	Cost	Group	Chg?
<input type="checkbox"/>	1	From_telephones	IF:.*5,TEL:<.*>	IF:05,TEL:<1>	0	0	Modify

Delete Add

Save Log off Help Reboot System

Done Internet

- On the left hand side menu select [Dial Plan](#)

Now create a new profile and in it create a dial plan entry to handle calls being received inbound from the LAN:

In a similar manner to adding profile 2 add another profile, profile 3,

- Set Name = Inbound_from_LAN

Modify the first plan for Profile 3:

- Set Name = From_LAN
- Set Source = IF:05,TEL:4<..>

(This takes the three digit extension number presented as the telephone number (4xx) and stores the latter two digits in location <1>)

- Set Destination = IF:<1>

(Use the 2 digits in store <1> as the interface ID (telephone) to ring)

- select and then click "[here](#)" to return

Note:

The Gatekeeper must present just the 3-digit extension number, whether the caller dialled just the extension number, or whether the caller dialled the full telephone number including the area code.

For the calls to be accepted, the last two digits of the extension number must be 06 to 13 to be a valid Vega 50 interface ID.

For more details on the operation of the dial planner, including the various tokens that may be used, see the section “The Dial Planner” in the Vega Primer.

7. Configure audio parameters

- On the left hand side menu select [Media Channels](#)

Vega 50 Configuration

Host Name Vega50WISC
IP Address 192.168.1.104
User Name admin

⚠ Unsaved Configuration Changes

Media Channels

Codec Configuration

- [g729AnnexA](#)
- [g729](#)
- [g711Alaw64k](#)
- [g711Ulaw64k](#)
- [g7231](#)
- [T38](#)

H.245 Capabilities

Del?	H245 Cap ID	Name	Chg?
<input type="checkbox"/>	1	g7231	Modify
<input type="checkbox"/>	2	g711Alaw64k	Modify
<input type="checkbox"/>	3	g711Ulaw64k	Modify
<input type="checkbox"/>	4	t38tcp	Modify
<input type="checkbox"/>	5	t38udp	Modify

Delete [Add](#)

H.245 Capability Descriptors

Del?	ID	Description	Caps	Chg?
<input type="checkbox"/>	1	voice	1,2,3	Modify
<input type="checkbox"/>	2	t38Tcp	4	Modify
<input type="checkbox"/>	3	t38Udp	5	Modify

Add more codecs so that by default the Vega will handle calls with any of the codecs it supports.

In H.245 Capabilities

- Select [Add](#)

Vega 50 FXO/FXS Online Configuration - Microsoft Internet Explorer

Address: http://192.168.1.104/vsframe?sid=739219398&frame_id=24

Vega 50 Configuration

Host Name: Vega50WISC
 IP Address: 192.168.1.104
 User Name: admin

⚠ Unsaved & Unapplied Changes

Management
[Logging](#)
[Maintenance](#)
[LAN](#)
[POTS](#)
[H.323](#)
[Dial Plan](#)
[Media Channels](#) ◀
[Tones](#)
[Users](#)
[QoS](#)
[Advanced](#)

Save
 Log off
 Help
 Reboot System
 Apply Changes

Media Channels

Codec Configuration

[g729AnnexA](#)
[g729](#)
[g711Alaw64k](#)
[g711Ulaw64k](#)
[g7231](#)
[T38](#)

H.245 Capabilities

Del?	H245 Cap ID	Name	Chg?
<input type="checkbox"/>	1	g7231	Modify
<input type="checkbox"/>	2	g711Alaw64k	Modify
<input type="checkbox"/>	3	g711Ulaw64k	Modify
<input type="checkbox"/>	4	t38tcp	Modify
<input type="checkbox"/>	5	t38udp	Modify
<input type="checkbox"/>	6	g7231	Modify

Delete **Add**

H.245 Capability Descriptors

Del?	ID	Description	Caps	Chg?
<input type="checkbox"/>	1	voice	1,2,3	Modify
<input type="checkbox"/>	2	t38Tcn	4	Mndifv

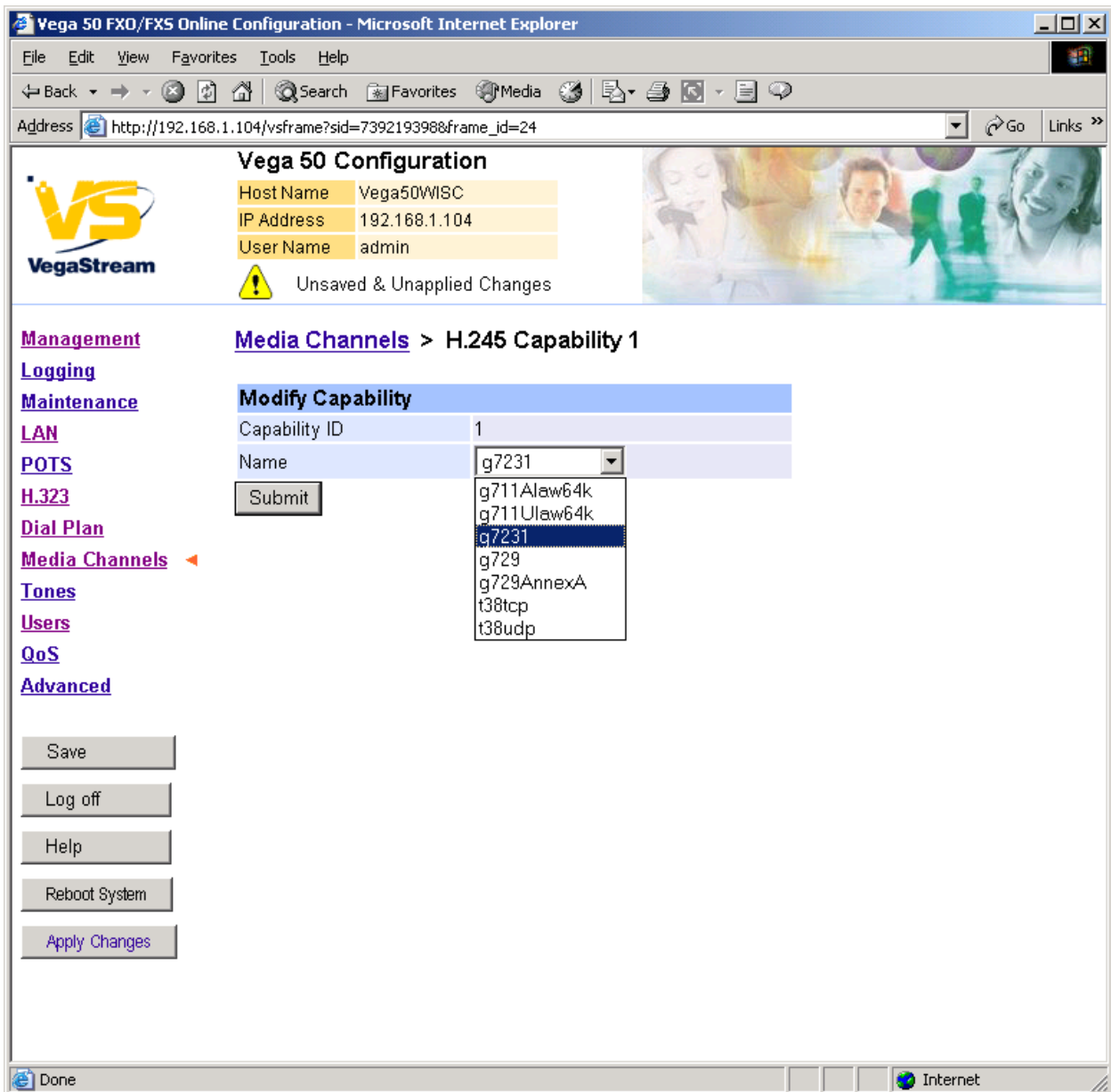
In H.245 Capabilities

- Select **Add** again

H.245 Capabilities

Del?	H245 Cap ID	Name	Chg?
<input type="checkbox"/>	1	g7231	Modify
<input type="checkbox"/>	2	g711Alaw64k	Modify
<input type="checkbox"/>	3	g711Ulaw64k	Modify
<input type="checkbox"/>	4	t38tcp	Modify
<input type="checkbox"/>	5	t38udp	Modify
<input type="checkbox"/>	6	g7231	Modify
<input type="checkbox"/>	7	g7231	Modify

- Select [Modify](#) on H245 Cap ID 1



- Select required codec type – in this case g7231
- select and then click “[here](#)” to return
- Modify all H245 Cap ID entries until the list looks as follows:

H.245 Capabilities			
Del?	H245 Cap ID	Name	Chg?
<input type="checkbox"/>	1	g7231	Modify
<input type="checkbox"/>	2	g729AnnexA	Modify
<input type="checkbox"/>	3	g729	Modify
<input type="checkbox"/>	4	g711Alaw64k	Modify
<input type="checkbox"/>	5	g711Ulaw64k	Modify
<input type="checkbox"/>	6	t38tcp	Modify
<input type="checkbox"/>	7	t38udp	Modify

Now update the Capability Description list that tells the Vega which of the codecs it can use.

H.245 Capability Descriptors				
Del?	ID	Description	Caps	Chg?
<input type="checkbox"/>	1	voice	1,2,3	Modify
<input type="checkbox"/>	2	t38Tcp	4	Modify
<input type="checkbox"/>	3	t38Udp	5	Modify

Delete Add

Update entry 1 to select all voice codecs, and the other entries to configure them for the correct capability ids.

For each capability:

- Select [Modify](#)
- Adjust them so that they have the capabilities as indicated below:

H.245 Capability Descriptors				
Del?	ID	Description	Caps	Chg?
<input type="checkbox"/>	1	voice	1,2,3,4,5	Modify
<input type="checkbox"/>	2	t38Tcp	6	Modify
<input type="checkbox"/>	3	t38Udp	7	Modify

Delete Add

- Scroll to the bottom of the Media Channels page

Vega 50 Configuration

Host Name: Vega50WISC
 IP Address: 192.168.1.104
 User Name: admin

⚠ Unsaved & Unapplied Changes

Del?	H245 Cap ID	Name	Chg?
<input type="checkbox"/>	1	g7231	Modify
<input type="checkbox"/>	2	g729AnnexA	Modify
<input type="checkbox"/>	3	g729	Modify
<input type="checkbox"/>	4	g711Alaw64k	Modify
<input type="checkbox"/>	5	g711Ulaw64k	Modify
<input type="checkbox"/>	6	t38tcp	Modify
<input type="checkbox"/>	7	t38udp	Modify

Delete Add

H.245 Capability Descriptors

Del?	ID	Description	Caps	Chg?
<input type="checkbox"/>	1	voice	1,2,3,4,5	Modify
<input type="checkbox"/>	2	t38Tcp	6	Modify
<input type="checkbox"/>	3	t38Udp	7	Modify

Delete Add

H.245 Preferred Index

Preferred Index: 0 - no preference
 Voice Capdesc Index: 0 - no preference
 Fax Capdesc Index: 2 - t38Tcp

Submit

In the **H.245 Preferred Index** section:

- Set Voice Capdesc Index to 1

H.245 Preferred Index

Preferred Index: 0 - no preference
 Voice Capdesc Index: 0 - no preference
 Fax Capdesc Index: 0 - no preference

Submit

1 - voice
 2 - t38Tcp
 3 - t38Udp

- select and then click "[here](#)" to return

This has selected all voice codecs to be offered for calls.

With Fax Capdesc Index set to "2 - t38Tcp" it has selected this codec for fax transfers. Note, it is recommended that only a single T.38 codec is offered (as configured here), because if both are offered negotiations do not always complete correctly.

8. Configure POTS parameters

- On the left hand side menu select [POTS](#)

Vega 50 Configuration

Host Name	Vega50WISC
IP Address	192.168.1.104
User Name	admin

Unsaved & Unapplied Changes

Management

- [Logging](#)
- [Maintenance](#)
- [LAN](#)
- [POTS](#)**
- [H.323](#)
- [Dial Plan](#)
- [Media Channels](#)
- [Tones](#)
- [Users](#)
- [QoS](#)
- [Advanced](#)

POTS Configuration

DTMF Configuration

DTMF Termination Char	*
DTMF Dial Timeout	10
Caller ID Type	off

Submit

POTS Identities

User Name Prefix	NULL
User Number Prefix	NULL
User Name Suffix	vega1
User Number Suffix	01
Authentication User Name Prefix	NULL
Authentication User Number Prefix	NULL
Authentication User Name Suffix	vega1
Authentication User Number Suffix	01

Submit

Save
Log off
Help
Reboot System
Apply Changes

- Scroll to the bottom of the page

Vega 50 Configuration

Host Name Vega50WISC
 IP Address 192.168.1.104
 User Name admin

Unsaved & Unapplied Changes

Management
 Logging
 Maintenance
 LAN
 POTS
 H.323
 Dial Plan
 Media Channels
 Tones
 Users
 QoS
 Advanced

User Number Suffix
 Authentication User Name Prefix
 Authentication User Number Prefix
 Authentication User Name Suffix
 Authentication User Number Suffix
 Submit

QSLAC Codec Configuration

QSL ID	Enabled	Layer 1	Caller ID	Groups	Chg?
1	1	g711Alaw64k	on	==>	Modify
2	1	g711Alaw64k	on	==>	Modify
3	1	g711Alaw64k	on	==>	Modify
4	1	g711Alaw64k	on	==>	Modify
5	1	g711Alaw64k	on	==>	Modify
6	1	g711Alaw64k	on	==>	Modify
7	1	g711Alaw64k	on	==>	Modify
8	1	g711Alaw64k	on	==>	Modify

Delete Add

Advanced POTS Configuration
[Advanced POTS](#)

Now configure the per port information

In the QSLAC Codec Configuration section

- Select [Modify](#) for QSL ID 1

- Enable (tick) NT, then
- select **Submit** and then click "[here](#)" to return
- In the **QSLAC Codec Configuration** section again select **Modify** in QSL ID 1.

[POTS](#) > [QSLAC 1](#)

Modify QSL	
QSL ID	1
Enabled	<input checked="" type="checkbox"/>
Layer 1	g711Alaw64k
Caller ID	on
NT	<input checked="" type="checkbox"/>
<input type="button" value="Submit"/>	

Groups in this QSL										
Group ID	User Name	User Number	Authentication User Name	Authentication User Number	Password	Interface	Cost	DN	Ring Index	Chg?
1	port1	01	port1	01	user1	06	1	5551000	1	Modify
<input type="button" value="Delete"/> <input type="button" value="Add"/>										

➤ In the **Groups in this QSL** section again select [Modify](#) in Group ID 1.

- Set DN = 1344784406
- select and then click "[here](#)" to return

Repeat for QSLID 2 to QSLID 8

QSLID 2 Group 1	NT = ✓, DN = 1344784407
QSLID 3 Group 1	NT = ✓, DN = 1344784408
QSLID 4 Group 1	NT = ✓, DN = 1344784409
QSLID 5 Group 1	NT = ✓, DN = 1344784410
QSLID 6 Group 1	NT = ✓, DN = 1344784411
QSLID 7 Group 1	NT = ✓, DN = 1344784412
QSLID 8 Group 1	NT = ✓, DN = 1344784413

9. Configure pointer to CD ROM documentation

- On the left hand side menu select [LAN](#)
- Scroll to the bottom of the screen

Vega 50 Configuration

Host Name Vega50WISC
IP Address 192.168.1.104
User Name admin

Unsaved & Unapplied Changes

Management
Logging
Maintenance
LAN
POTS
H.323
Dial Plan
Media Channels
Tones
Users
QoS
Advanced

FTP Server 0.0.0.0
NTP Offset (hhmm) 0000
NTP Poll Interval 0

Physical Layer Configuration

Full Duplex
Ethernet Type 10baseT & 100baseTX
QoS profile 1

Submit

Lan Hosts

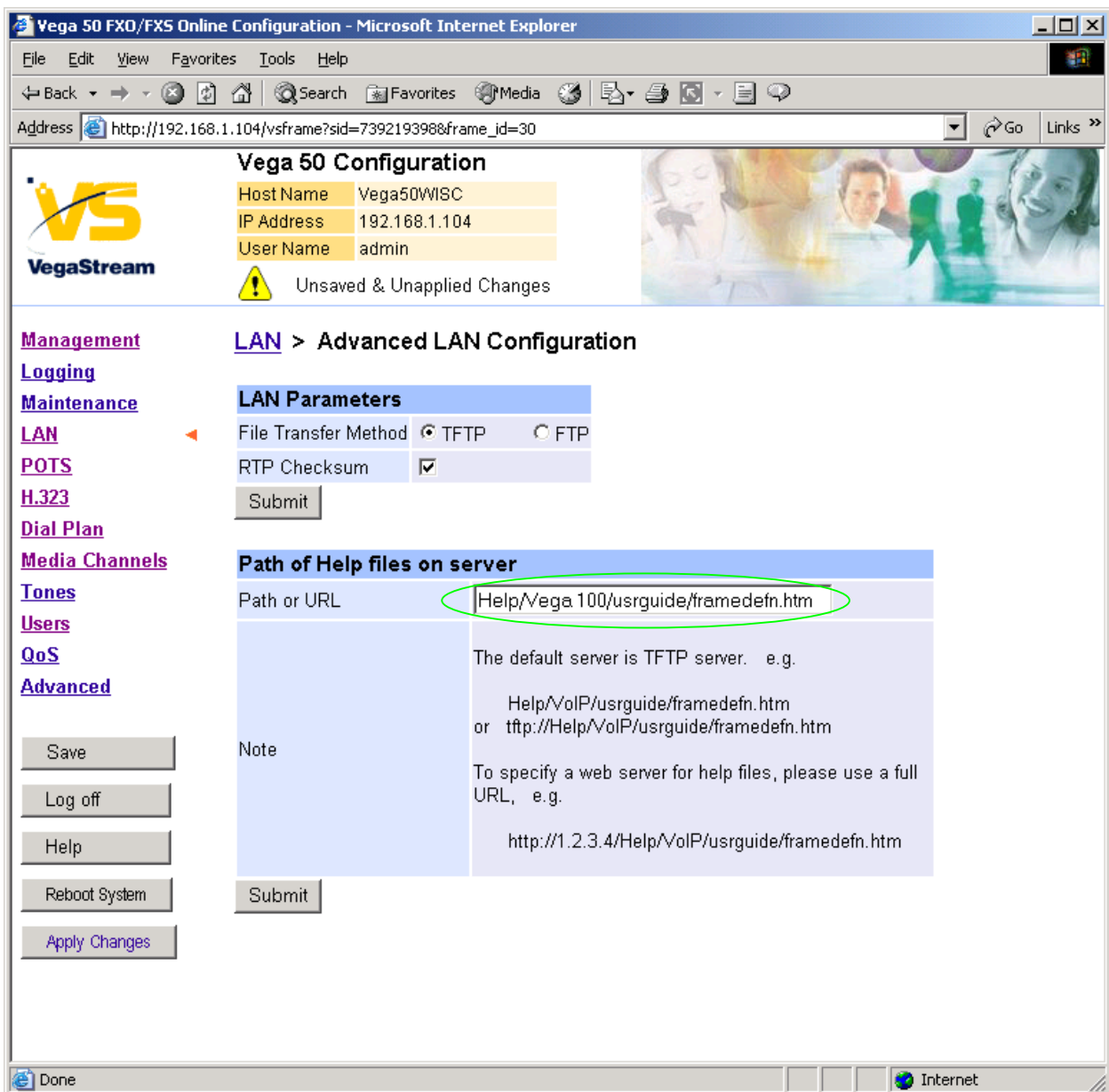
ID	Name	IP	Chg?
1	PHONE_06	0.0.0.0	Modify
2	PHONE_07	0.0.0.0	Modify
3	PHONE_08	0.0.0.0	Modify
4	PHONE_09	0.0.0.0	Modify
5	PHONE_10	0.0.0.0	Modify
6	PHONE_11	0.0.0.0	Modify
7	PHONE_12	0.0.0.0	Modify
8	PHONE_13	0.0.0.0	Modify

Delete Add

Advanced LAN Configuration

[Advanced LAN](#)

- Select [Advanced LAN](#)



To configure for operation using the CD in the local PC CD-ROM drive,

- Set Path or URL = D:/Content/help/v50fxsh_R5.htm
- ... *N.B.* use forward slashes “/” not back slashes “\”.

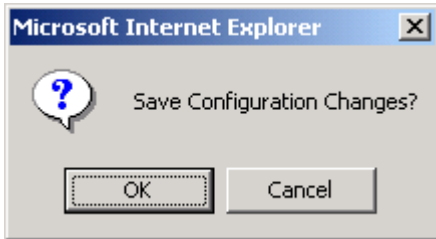
(Substitute appropriate drive letter if D: is not the CD-ROM)


- select and then click “[here](#)” to return

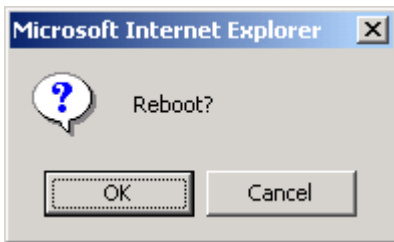
10. Save Changes

The changes to the configuration must be saved and activated. This is carried out as follows:

- On the left hand side menu select [Save](#)



- Select  and after the configuration has been saved click "[here](#)" to return
- On the left hand side menu select [Reboot System](#)



- Select 

The Vega will reboot and once back on-line, it will be ready to take its first call.

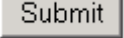
11. Archive Vega Configuration

Once configured it is recommended that the configuration is archived to an external server.

To do this check that the tftp address is configured to point to a tftp server (in the [LAN](#) page), then on the left hand side menu select [Advanced](#), and scroll to the CLI Command section:



The screenshot shows a web interface with a blue header bar labeled "CLI Command". Below the header is a white text input field and a grey "Submit" button.

- in the text entry box type “PUT tftp:initial_cfg.txt”. Select .

This will send all the configuration parameters to the tftp server and save them as the file “initial_cfg.txt”. (Note: you may want to choose a unique name rather than “initial_cfg.txt”, especially if you are configuring more than 1 unit).

The Vega configuration can be archived to an ftp server instead of a tftp server by configuring the ftp server address in the [LAN](#) page and then typing the CLI command “PUT FTP:initial_cfg.txt”. (Again a unique name can be used in place of “initial_cfg.txt”)

If the ftp server requires a login username and password configure the following:

- set _advanced.lan.ftp.anonymous_login=0
- set _advanced.lan.ftp.username=<ftp username>
- set _advanced.lan.ftp._password-<ftp password>

12. Technical Support

Support information can be found on the VegaStream Support web site www.VegaAssist.com

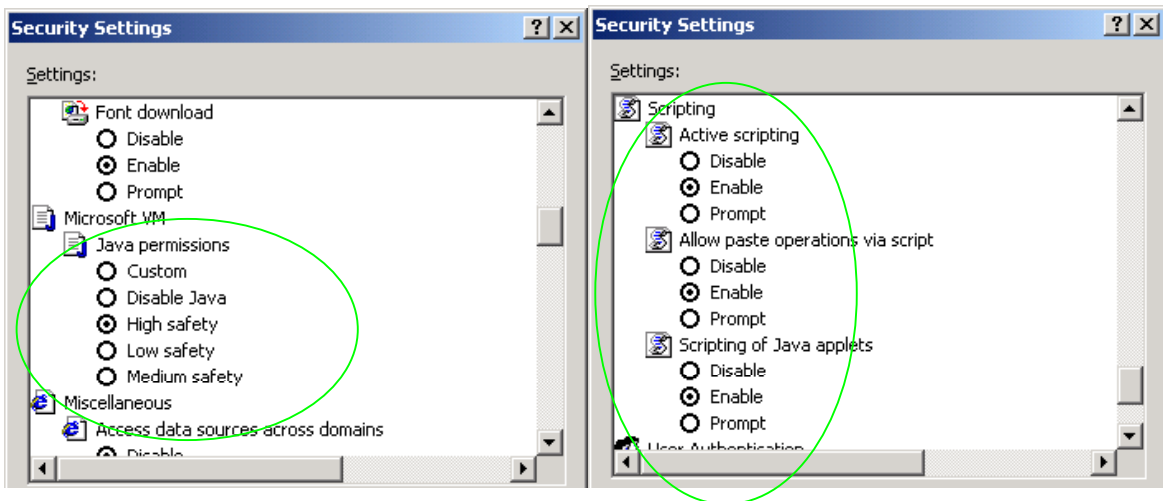
If you require help from VegaStream support personnel, please use the serial interface or telnet into the unit, log in and then type:

- show support
- log display on

Carry out the interaction you want explained, then copy the information provided by the Vega and e-mail it to support@VegaStream.com together with your question.

Notes:

1. If the screens do not appear as indicated, check that Java is enabled on your web browser (Tools>internet options>Security, select internet and custom level and configure Microsoft VM Java permissions and Scripting parameters as indicated below.



2. Where there are multiple sections – each with a **Submit** button – entries must be made to one section at a time, and those entries confirmed by the **Submit** button before the next section is altered. Each **Submit** button only confirms entries for its own section. Any changes in other sections will be discarded when the **Submit** is pressed.
3. H.323 supports two methods for transmitting call setup details. There is a standard method and then Fast Start. To allow the Vega to accept calls using the Fast Start technique ensure “Accept Fast Start” is enabled ... see section 5

For the Vega to initiate calls using Fast Start ensure that “Use Fast Start” is enabled ... see section 5.