

Initial configuration

Vega 50 FXO (H.323)

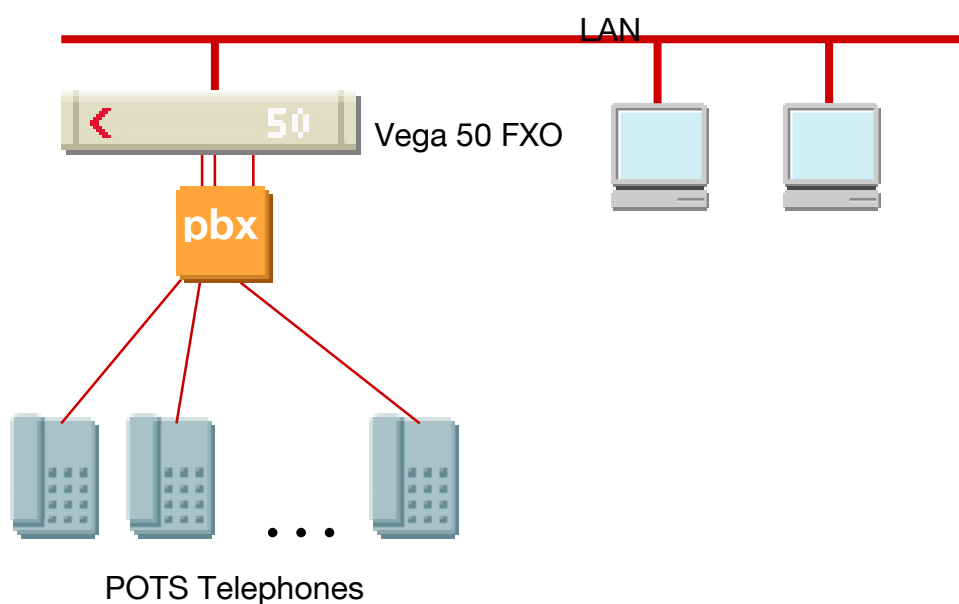
Standalone mode – R5.1



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

The instructions below configure the Vega 50 FXO (connected to 8 extension ports of a PBX or a CO Switch) as follows:

- Calls presented to the Vega from the PBX or CO switch will be routed to a pre-defined IP address based upon the physical port on the Vega on which the call arrived. (IP addresses 192.168.1.100 to 192.168.1.107)
- Calls received by the Vega on the H.323 interface will be routed to the telephony interface. The physical interface over which the call is routed will be defined by the IP address of the H.323 device making the outbound call. The telephone number that will be dialed will be the number presented by the H.323 device.



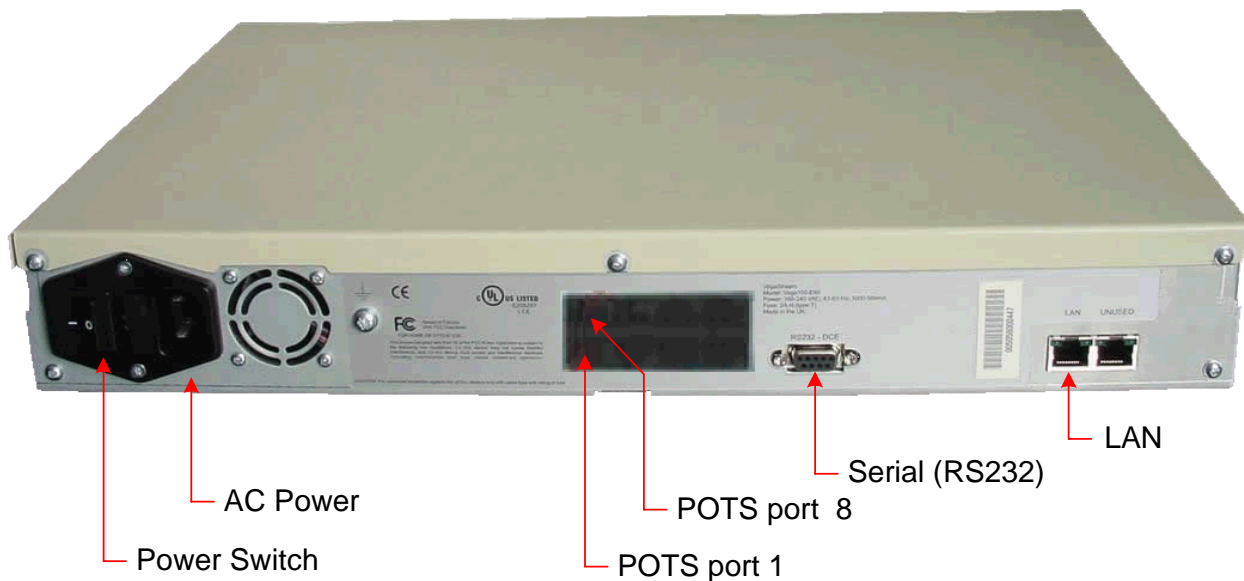
The configuration process is broken down into 11 stages as follows:

- 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 Configure H.323 parameters
- 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 the PBX or CO switch to the 8 POTS ports. Note the port numbers (interface IDs) increase in an anticlockwise direction from the bottom left corner. Interface IDs are as follows:

13	12	11	10
06	07	08	09

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 [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
```

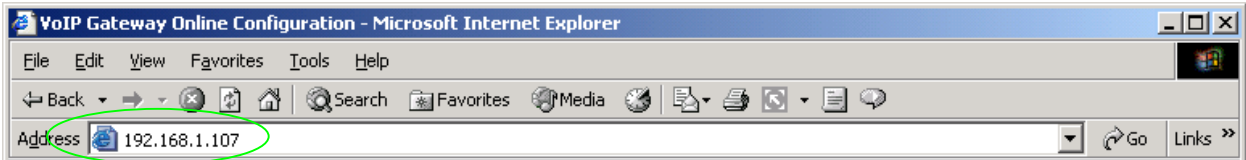
If this is not the IP address required, it can be overridden, together with other LAN parameters by typing:

```
> 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
```

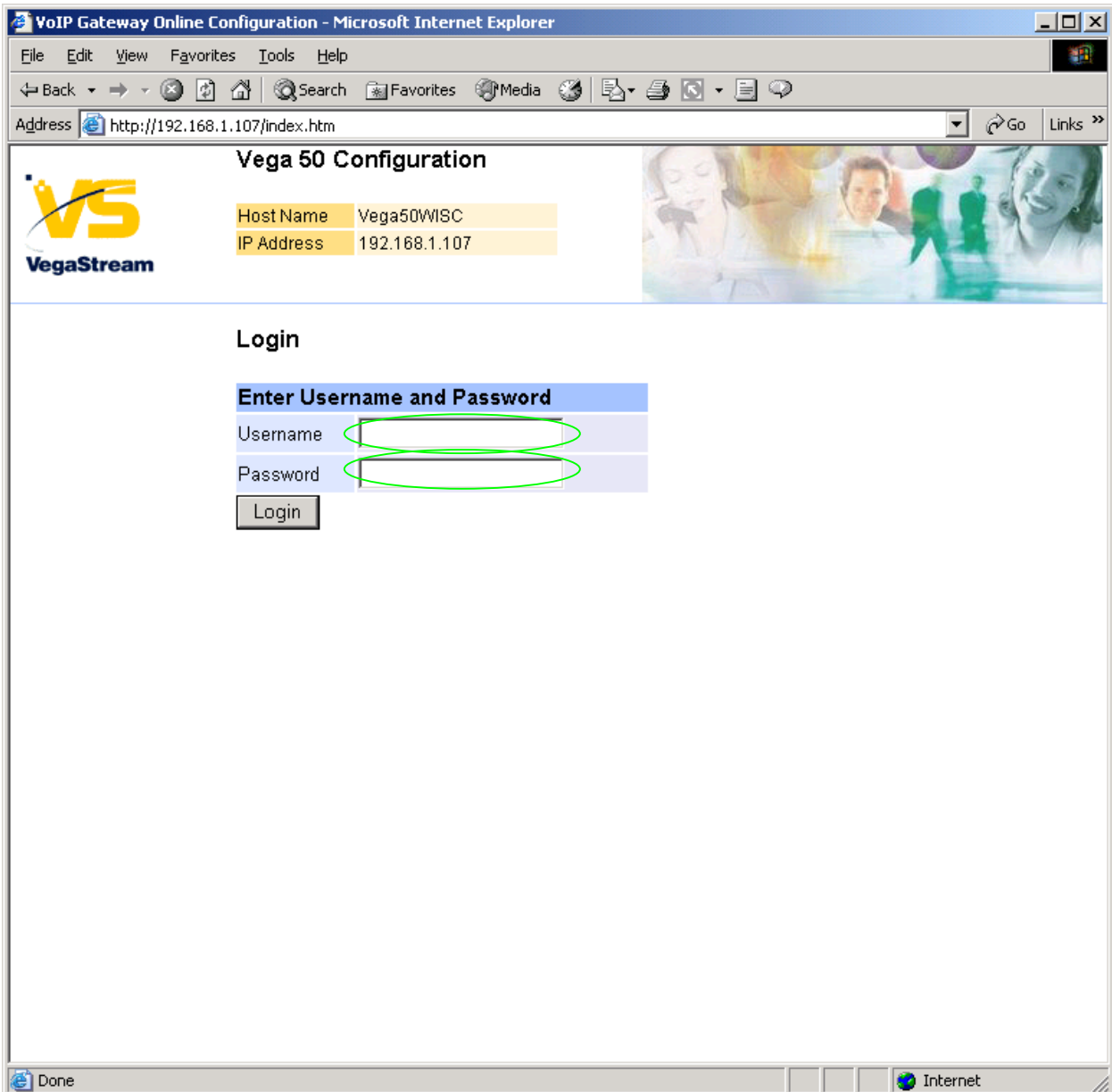
3. Configure password and login timeout

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	192.168.1.107
User Name	admin

Management | **System Management**

Tip: Place the cursor of the mouse on name or input fields to get concise help.

Quick Configuration Wizard
Quick step by step essential configuration

System Time

Set Time (hh:mm:ss)	00 : 18 : 06	<input type="button" value="Set Time"/>
Set Date (dd/mm/yyyy)	01 / 01 / 1999	<input type="button" value="Set Date"/>
Synchronise Time and Date	<input checked="" type="radio"/> With PC <input type="radio"/> With NTP server	<input type="button" value="Sync Time"/>

Call Reports

Report call progress summary	Show Calls
Report on all call progress statistics	Show Trace

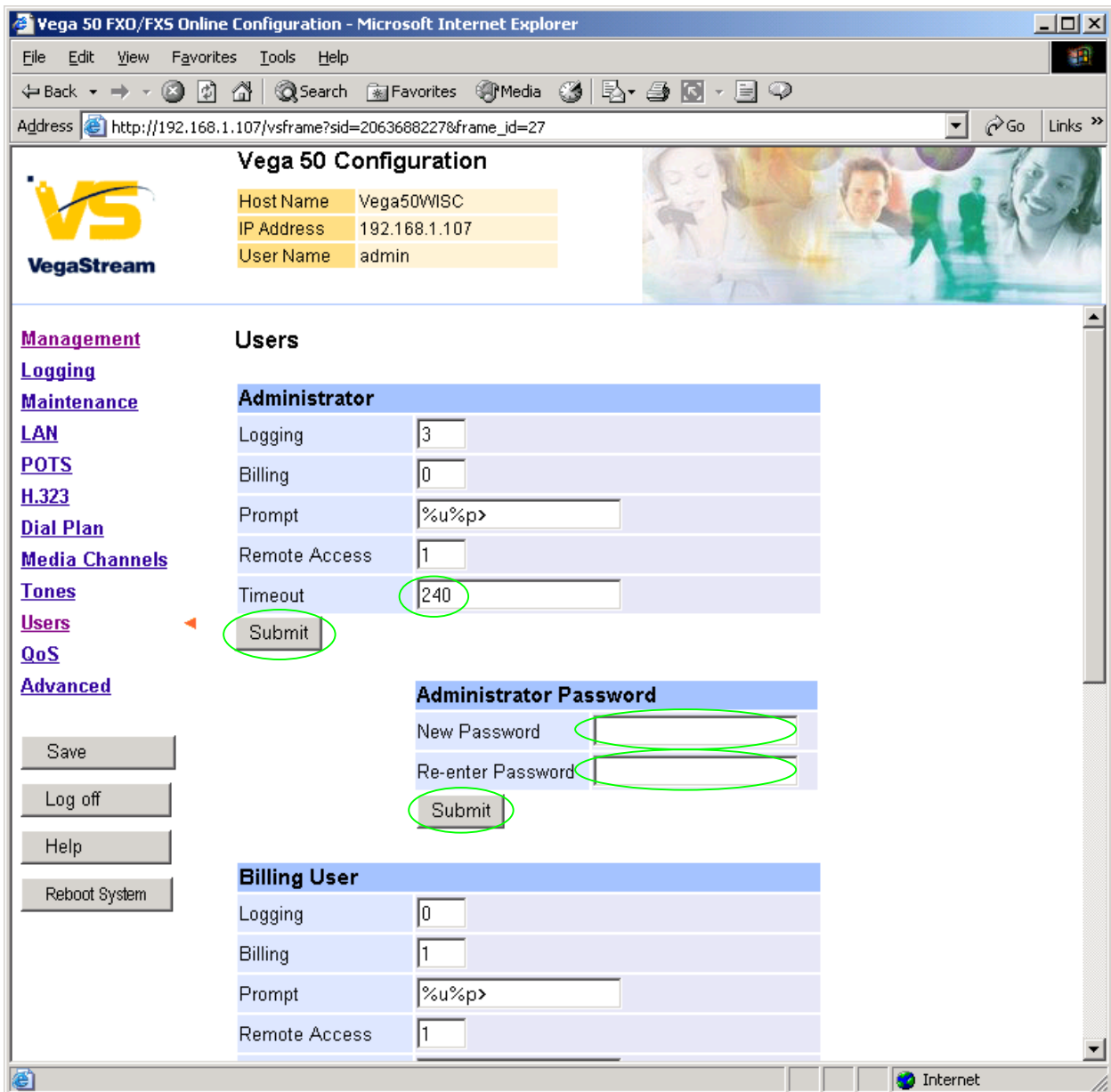
System Logs

Show the Event Log	Show Event Log
Show the Billing Log	Show Billing Log

Call Control

All further calls are	Unlocked	<input type="button" value="Submit"/>
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- 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 192.168.1.107
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. Configure H.323 parameters

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

H.323 LAN Configuration	
Interface ID	05
Cost Index	1
Maximum Calls	60
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

If this Vega is to be inter-working with another Vega leave the **H.323 LAN Configuration** alone, if it is to work with other manufacturer's devices, it is often best to untick the indicated items – as these are advanced H.323 features that are not always supported by other manufacturers. Once the Vega and the other device are working in the basic H.323 mode, try enabling other features – back towards this configuration, as this will improve call setup times.

6. Configure the Dial Plan

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

Vega 50 Configuration

Host Name Vega50WISC
IP Address 192.168.1.107
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

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

Firstly, turn off the default profile:

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

- Select [Modify](#)

Profile

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

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

Vega 50 Configuration

Host Name Vega50WISC
IP Address 192.168.1.107
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	0	Vega50_default	==>	Modify

Delete

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

Planner Whitelist Enable

Use Whitelist

Planner Whitelists

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

Delete

Save
Log off
Help
Reboot System
Apply Changes

Now create a new profile and in it create dial plan entries to handle calls being sent from the PBX / CO switch to the LAN:

In the **Profiles** section

- Select

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

- Select [Modify](#)

Profile

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

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

Vega 50 FXO/FXS Online Configuration - Microsoft Internet Explorer

Address: http://192.168.1.107/vsframe?sid=-493945719&frame_id=35

Vega 50 Configuration

Host Name: Vega50WISC
 IP Address: 192.168.1.107
 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

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

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

In the **Profiles** section for Profile 2 (Outbound_To_LAN):

- Select [Modify](#)

[Dial Planner](#) > Profile 2

Modify Profile

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

Submit

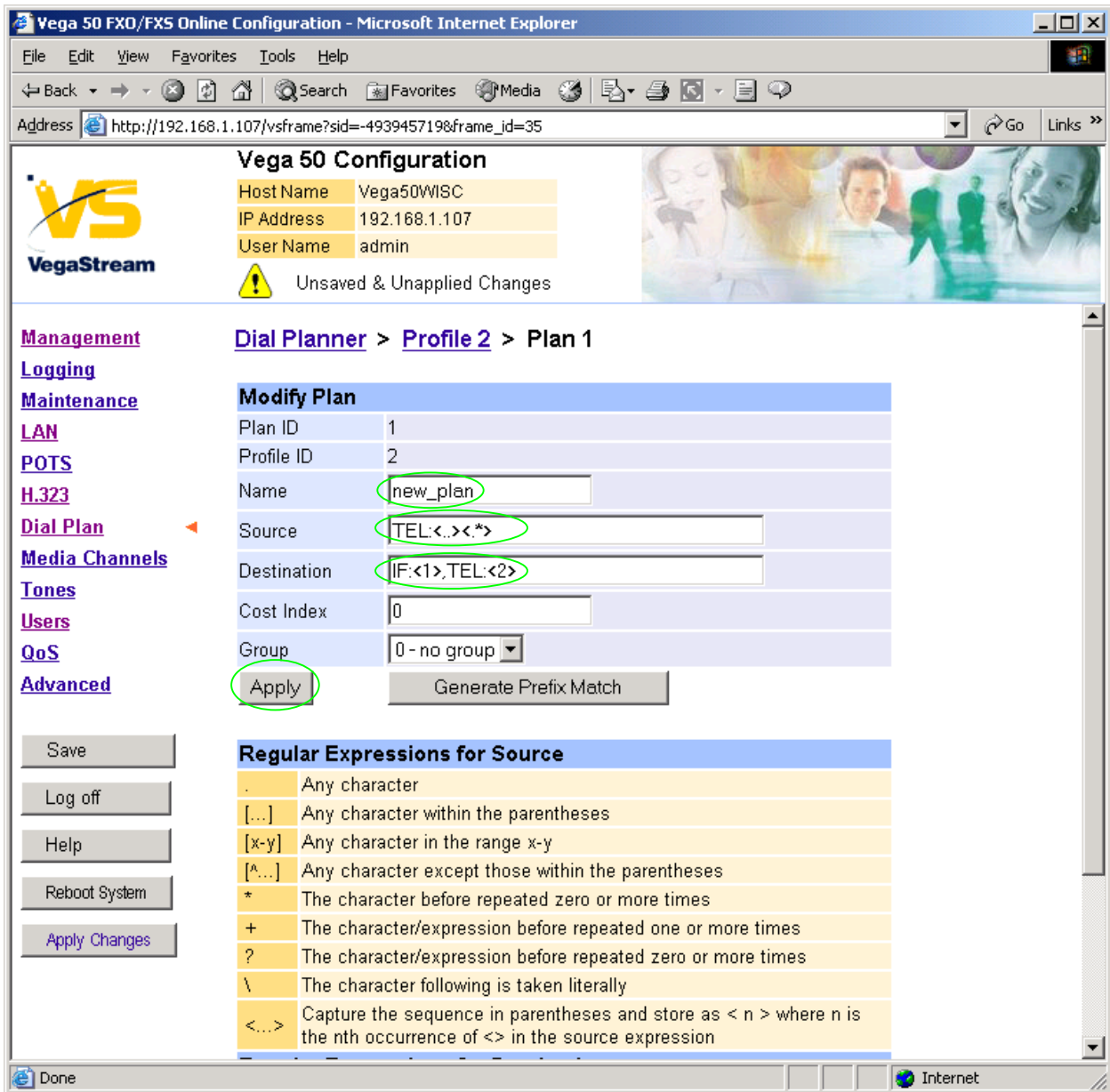
Plans in this Profile

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 for Plan ID 1:

- Select **Modify**



- Set Name = IF_06_To_LAN
- Set Source = IF:<06> *(This takes a call from IF 06 (marked CH1 on the rear of the Vega) and stores the interface ID on which the call arrived in store <1>)*
- Set Destination = IF:05,TEL:2<1>,TA:192.168.1.100 *(This routes the call over the LAN (IF:05) to IP address 192.168.1.100. It presents a dialled telephone number 206 (2 preceding the interface ID))*
- select **Apply** and then click **here** to return

Add a new plan to Profile 2 and configure as follows:

- Set Name = IF_07_To_LAN
- Set Source = IF:<07> *(This takes a call from IF 07 (marked CH2 on the rear of the Vega) and stores the interface ID on which the call arrived in store <1>)*
- Set Destination = IF:05,TEL:2<1>,TA:192.168.1.101 *(This routes the call over the LAN (IF:05) to IP address 192.168.1.101. It presents a dialled telephone number 207 (2 preceding the interface ID))*
- select **Apply** and then click "[here](#)" to return

... repeat for interfaces 08 to 13. This will result in the following:

Vega 50 FXO/FXS Online Configuration - Microsoft Internet Explorer

Address: http://192.168.1.107/vsframe?sid=14301&frame_id=36

Vega 50 Configuration

Host Name: Vega50WISC
 IP Address: 192.168.1.107
 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	IF_06_To_LAN	IF:<06>	IF:05,TEL:2<1>,TA:192.168.1.100	0	0	Modify
<input type="checkbox"/>	2	IF_07_To_LAN	IF:<07>	IF:05,TEL:2<1>,TA:192.168.1.101	0	0	Modify
<input type="checkbox"/>	3	IF_08_To_LAN	IF:<08>	IF:05,TEL:2<1>,TA:192.168.1.102	0	0	Modify
<input type="checkbox"/>	4	IF_09_To_LAN	IF:<09>	IF:05,TEL:2<1>,TA:192.168.1.103	0	0	Modify
<input type="checkbox"/>	5	IF_10_To_LAN	IF:<10>	IF:05,TEL:2<1>,TA:192.168.1.104	0	0	Modify
<input type="checkbox"/>	6	IF_11_To_LAN	IF:<11>	IF:05,TEL:2<1>,TA:192.168.1.105	0	0	Modify
<input type="checkbox"/>	7	IF_12_To_LAN	IF:<12>	IF:05,TEL:2<1>,TA:192.168.1.106	0	0	Modify
<input type="checkbox"/>	8	IF_13_To_LAN	IF:<13>	IF:05,TEL:2<1>,TA:192.168.1.107	0	0	Modify

Delete Add

Save
 Log off
 Help
 Reboot System

Internet

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

Vega 50 FXO/FXS Online Configuration - Microsoft Internet Explorer

Address: http://192.168.1.107/vsframe?sid=14301&frame_id=35

Vega 50 Configuration

Host Name: Vega50WISC
 IP Address: 192.168.1.107
 User Name: admin

⚠ Unsaved Configuration Changes

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

Save
 Log off
 Help
 Reboot System

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**

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

http://192.168.1.107/vsframe?sid=14301&frame_id=4

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 ID 3,

- Set Name = Inbound_from_LAN

Vega 50 Configuration

Host Name: Vega50WISC
 IP Address: 192.168.1.107
 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	0	Vega50_default	====>	Modify
<input type="checkbox"/>	2	1	Outbound_To_LAN	====>	Modify
<input type="checkbox"/>	3	1	Inbound_from_LAN	====>	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


Modify the first plan for Profile 3:

- Set Name = From_LAN_to_IF_06
- Set Source = IF:05,TAC:192.168.1.100,TEL:<.*> *If a call arrives from IP address 192.168.1.100 then take the presented number and store it in store <1>*
- Set Destination = IF:06,TEL:<1> *Dial out of telephony interface 06 the dialed digits stored in store <1>*
- select and then click "[here](#)" to return

... repeat for interfaces 07 to 13. This will result in the following:


Vega 50 FXO/FXS Online Configuration - Microsoft Internet Explorer

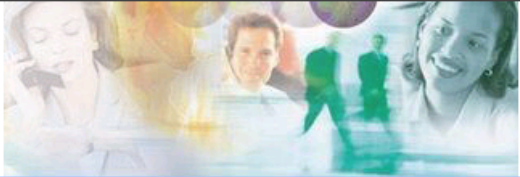
Address: http://192.168.1.107/vsframe?sid=14301&frame_id=36



Vega 50 Configuration

Host Name: Vega50WISC
 IP Address: 192.168.1.107
 User Name: admin

 Unsaved Configuration Changes



[Management](#)

[Logging](#)

[Maintenance](#)

[LAN](#)

[POTS](#)

[H.323](#)

[Dial Plan](#)

[Media Channels](#)

[Tones](#)

[Users](#)

[QoS](#)

[Advanced](#)

Dial Planner > Profile 3

Modify Profile

Profile ID: 3

Enabled:

Name:

Plans in this Profile

Del?	Plan ID	Name	Src	Dest	Cost	Group	Chg?
<input type="checkbox"/>	1	From_LAN_to_IF_06	IF:05,TAC:192.168.1.100,TEL:<*>	IF:06,TEL:<1>	0	0	Modify
<input type="checkbox"/>	2	From_LAN_to_IF_07	IF:05,TAC:192.168.1.101,TEL:<*>	IF:07,TEL:<1>	0	0	Modify
<input type="checkbox"/>	3	From_LAN_to_IF_08	IF:05,TAC:192.168.1.102,TEL:<*>	IF:08,TEL:<1>	0	0	Modify
<input type="checkbox"/>	4	From_LAN_to_IF_09	IF:05,TAC:192.168.1.103,TEL:<*>	IF:09,TEL:<1>	0	0	Modify
<input type="checkbox"/>	5	From_LAN_to_IF_10	IF:05,TAC:192.168.1.104,TEL:<*>	IF:10,TEL:<1>	0	0	Modify
<input type="checkbox"/>	6	From_LAN_to_IF_11	IF:05,TAC:192.168.1.105,TEL:<*>	IF:11,TEL:<1>	0	0	Modify
<input type="checkbox"/>	7	From_LAN_to_IF_12	IF:05,TAC:192.168.1.106,TEL:<*>	IF:12,TEL:<1>	0	0	Modify
<input type="checkbox"/>	8	From_LAN_to_IF_13	IF:05,TAC:192.168.1.107,TEL:<*>	IF:13,TEL:<1>	0	0	Modify

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 192.168.1.107
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**

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

In H.245 Capabilities

- Select 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

[Media Channels](#) > H.245 Capability 1

Modify Capability	
Capability ID	1
Name	g7231
<input type="button" value="Submit"/>	<div style="border: 1px solid black; padding: 2px;"> g711Alaw64k g711Ulaw64k g7231 g729 g729AnnexA t38tcp t38udp </div>

- 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

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

For each capability:

- Select
- 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

- Scroll to the bottom of the Media Channels page

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

- Set Voice Capdesc Index to: 1-voice

H.245 Preferred Index	
Preferred Index	0 - no preference
Voice Capdesc Index	0 - no preference
Fax Capdesc Index	0 - no preference
	1 - voice
	2 - t38Tcp
	3 - t38Udp
Submit	

- 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	192.168.1.107
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 down to the bottom of the page

Vega 50 Configuration

Host Name Vega50WISC
 IP Address 192.168.1.107
 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

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

Advanced POTS Configuration
[Advanced POTS](#)

Done Internet

For QSL ID 1 in the **QSLACK Codec Configuration** section:

- Select [Modify](#)

Vega 50 Configuration
 Host Name: Vega50WISC
 IP Address: 192.168.1.107
 User Name: admin

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

Modify QSL
 QSL ID: 1
 Enabled:
 Layer 1: g711Alaw64k
 Caller ID: on
 NT:
 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	06	2	Modify

Delete Add

Save
Log off
Help
Reboot System
Apply Changes

- Ensure that NT mode is disabled – NT is not ticked, then
- select **Submit** and then click “[here](#)” to return

Repeat setting Not NT for QSL ID 2 to 8

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

The Vega FXO is alerted to new calls arriving by the PBX or CO switch presenting ringing voltage to the Vega. The Vega needs to have parameters adjusted to configure the detector for the ring tone(s) it is going to be presented with.

Now configure the FXO ring cadence detector so that it detects incoming ring cadences correctly:

- Scroll down to the bottom of the page

Vega 50 Configuration

Host Name: Vega50WISC
IP Address: 192.168.1.107
User Name: admin

⚠ Unsaved & Unapplied Changes

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

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

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](#)

- Select [Advanced POTS](#)


Vega 50 FXO/FXS Online Configuration - Microsoft Internet Explorer

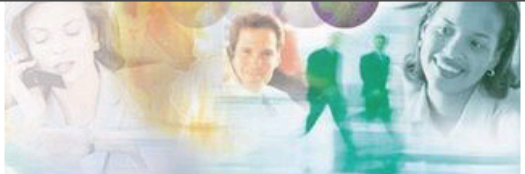
Address http://192.168.1.107/vsframe?sid=-493945719&frame_id=32



Vega 50 Configuration

Host Name	Vega50WISC
IP Address	192.168.1.107
User Name	admin

 Unsaved & Unapplied Changes



Management

[Logging](#)

[Maintenance](#)

[LAN](#)

[POTS](#)

[H.323](#)

[Dial Plan](#)

[Media Channels](#)

[Tones](#)

[Users](#)

[QoS](#)

[Advanced](#)

POTS > Advanced

FXO and FXS common parameters

Hook Flash Time (ms)	<input type="text" value="200"/>
Line Reversal	<input type="checkbox"/>
Poll Time (ms)	<input type="text" value="25"/>

FXO parameters

Loop Current Detect	<input type="checkbox"/>
Line Reversal Sample Delay (ms)	<input type="text" value="50"/>
DTMF Hold-off Time (ms)	<input type="text" value="150"/>
Line Reversal Debounce Time (ms)	<input type="text" value="50"/>
Early Line Seize	<input type="checkbox"/>
Early Line Seize Timeout (s)	<input type="text" value="30"/>
Ringback present	<input checked="" type="checkbox"/>

FXO ring-detection parameters

Ring Cadence Delta	<input type="text" value="14"/>
Ring Cadence Threshold	<input type="text" value="56"/>

➤ Scroll down to the bottom of the page

Vega 50 FXO/FXS Online Configuration - Microsoft Internet Explorer

Address: http://192.168.1.107/vsframe?sid=-493945719&frame_id=32

Vega 50 Configuration

Host Name: Vega50WISC
 IP Address: 192.168.1.107
 User Name: admin

⚠ Unsaved & Unapplied Changes

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

Early Line Seize Timeout (s): 30
 Ringback present:
 Submit

FXO ring-detection parameters

Ring Cadence Delta: 14
 Ring Cadence Threshold: 56
 Ring Cadence Limit: 200
 Submit **Configure Ring Detect Values**

FXS parameters

Hook Debounce Time (ms): 70
 Submit

FXS ring-generation parameters

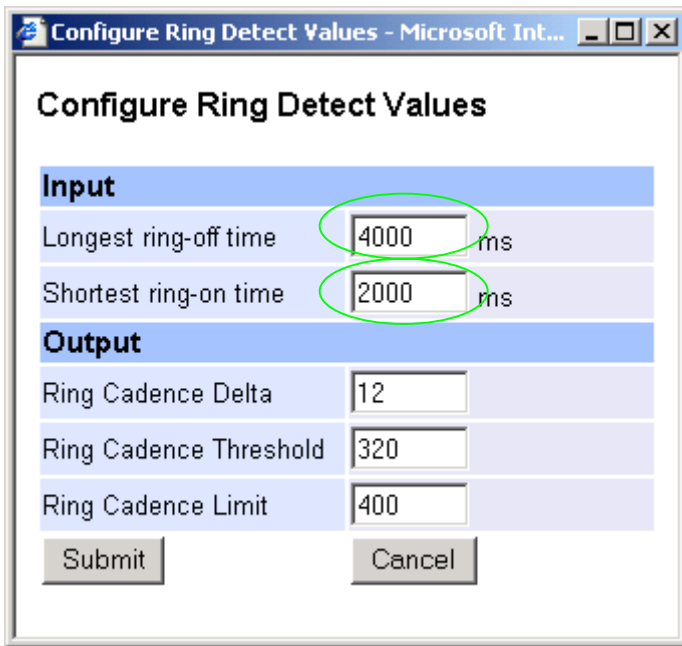
Del?	ID	Name	Fre- quency	Repeat	Ring1 On	Ring1 Off	Ring2 On	Ring2 Off	Ring3 On	Ring3 Off	Chg?
<input type="checkbox"/>	1	External	50	1	400	200	400	2000	0	500	Modify
<input type="checkbox"/>	2	Internal	50	0	2000	4000	2000	4000	0	500	Modify
<input type="checkbox"/>	3	bellcore- r1	20	1	400	400	900	400	400	3500	Modify

Delete Add

Save
 Log off
 Help
 Reboot System
 Apply Changes

Done Internet

➤ Select **Configure Ring Detect Values**



- Set Longest ring-off time = length of longest silence in the incoming ringing voltage cadence
- Set Shortest ring-on time = length of shortest ring in the incoming ringing voltage cadence

Table 1 lists the standard values to use in the UK and USA.

Table 1. Ring tones parameters

	Country	UK	USA
Ring tone values	Longest silence	2000ms	4000ms
	Shortest ring	400ms	2000ms

- select

Vega 50 FXO/FXS Online Configuration - Microsoft Internet Explorer

Address: http://192.168.1.107/vsframe?sid=-493945719&frame_id=32

Vega 50 Configuration

Host Name: Vega50WISC
 IP Address: 192.168.1.107
 User Name: admin

⚠ Unsaved & Unapplied Changes

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

Early Line Seize Timeout (s): 30
 Ringback present:
 Submit

FXO ring-detection parameters

Ring Cadence Delta: 12
 Ring Cadence Threshold: 320
 Ring Cadence Limit: 400
 Submit (circled) Configure Ring Detect Values

FXS parameters

Hook Debounce Time (ms): 70
 Submit

FXS ring-generation parameters

Del?	ID	Name	Fre- quency	Repeat	Ring1 On	Ring1 Off	Ring2 On	Ring2 Off	Ring3 On	Ring3 Off	Chg?
<input type="checkbox"/>	1	External	50	1	400	200	400	2000	0	500	Modify
<input type="checkbox"/>	2	Internal	50	0	2000	4000	2000	4000	0	500	Modify
<input type="checkbox"/>	3	bellcore- r1	20	1	400	400	900	400	400	3500	Modify

Delete Add

Save
 Log off
 Help
 Reboot System
 Apply Changes

Visit the VegaStream website Internet

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

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 192.168.1.107
User Name admin

⚠ Unsaved & Unapplied Changes

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

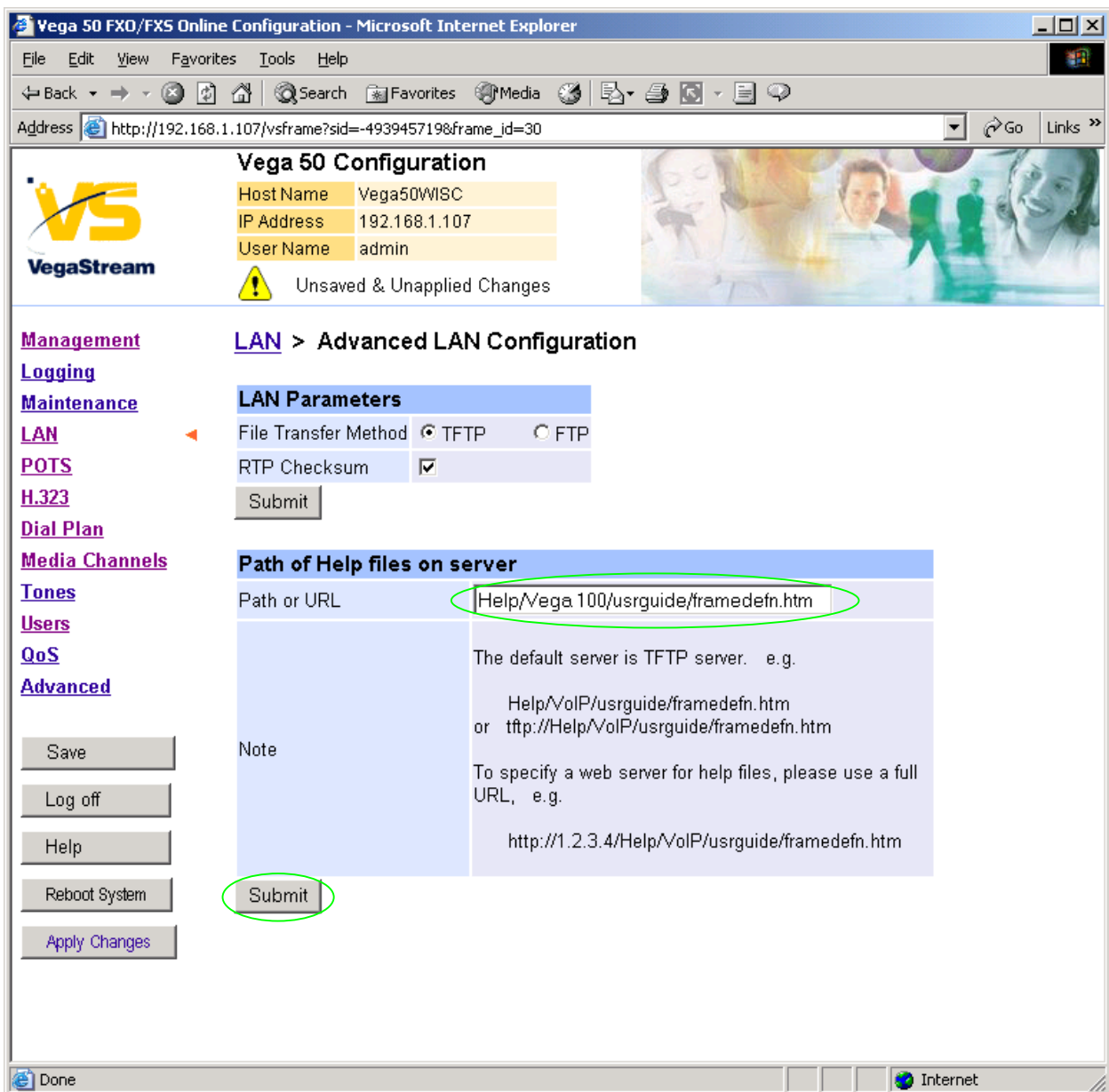
ID	Name	IP	Chg?
1	PHONE_06	0.0.0.0	Modify
2	PHONE_07	0.0.0.0	Modify
3	PHONE_08	0.0.0.0	Modify
4	PHONE_09	0.0.0.0	Modify
5	PHONE_10	0.0.0.0	Modify
6	PHONE_11	0.0.0.0	Modify
7	PHONE_12	0.0.0.0	Modify
8	PHONE_13	0.0.0.0	Modify

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/v50fxoh_R5.htm

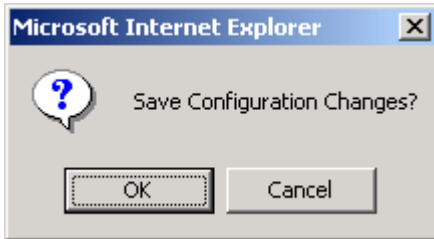
(Substitute appropriate drive letter if D: is not the CD-ROM)

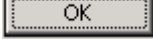
- select and then click [here](#) to return

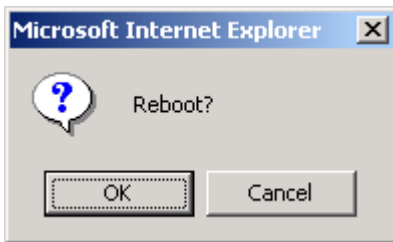
10. Save Changes

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.

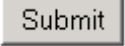
11. Archive Vega Configuration

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

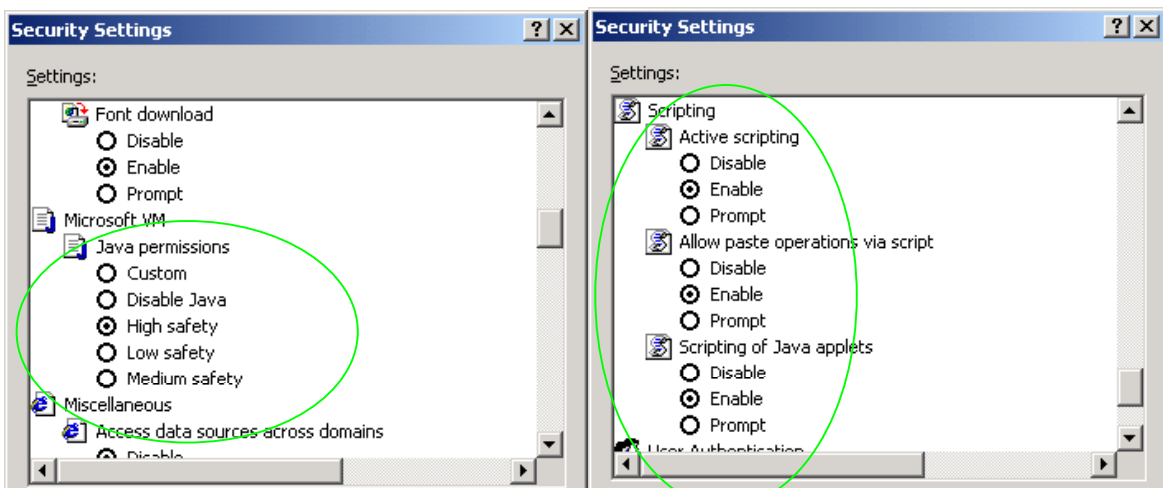
If you require help from VegaStream support personnel, please use the serial interface or telnet into the unit, log in and then type:

- 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 ... select this on the [H.323](#) web page

For the Vega to initiate calls using Fast Start ensure that “Use Fast Start” is enabled ... select this on the [H.323](#) web page