

# VegaStream

## Information Note

### SIP / H.323

#### - Dual Boot



When initially delivered, Vega gateways are loaded with both H.323 firmware and SIP firmware. On first power-up the Vega will request the user to choose whether the H.323 firmware or the SIP firmware should be used.

At a later date, if the user wishes to change to the other VoIP firmware, this can be accomplished either through the Vega web browser interface or through the Vega Command Line Interface.

This document describes the events that the user will see and actions that the user will need to take.

#### **1 Initial boot of a Vega**

When the Vega is first powered up the user must select either H.323 or SIP operation. The choice made will select the code to be run at all subsequent boots (no further prompts will be made to select the code to run).

The first time the admin user logs into the Telnet, RS-232 serial interface or the www browser interface they will be presented with the choice of SIP or H.323 code. (Before this choice has been made the Vega will not respond to calls on either the LAN or telephony interfaces).

(If the Vega is power cycled before the choice has been made, the Vega will make its own selection; if the user wishes to change this they will need to action the boot manager on the Command Line Interface or the web browser interface.)

## 1.1 Initial power up - choosing SIP or H.323 from the web browser interface

When logging into www browser interface after the Vega is first powered on, a menu similar to the following will appear:

### Boot Manager

Please check the current active firmware version below, and select a different partition if required. If a new partition is selected then a reboot system will be needed to activate that version.


Change Active Partition		
<input type="radio"/>	Partition 1	H.323 Version: 08.01.04 Built: Oct 9 2002 16:34:34 T011
<input type="radio"/>	Partition 2	SIP Version: 08.02.04b Built: Oct 9 2002 13:38:34 T013

Click [here](#) to continue, leaving partitions unchanged ...

One of the firmware partitions will be selected by the radio button – this corresponds to the default firmware load which will be run by the Vega if no further action is taken.

To select the required firmware, proceed as follows:

1. If the radio button is selecting the required firmware then click on the [here](#) link under the table to leave this menu and continue booting the Vega.
2. If the partition marked is not the one required then select the required firmware partition and then press the  button. A message box will appear asking for confirmation.

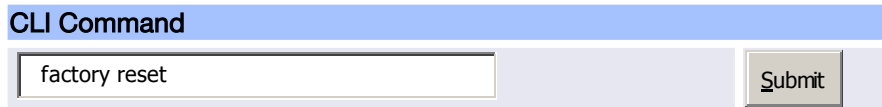


**Proceeding beyond this point will automatically reboot the system.**

**WARNING!**

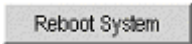
3. If  is selected then the firmware partition will be changed, and the system rebooted automatically.

4. After the Vega has rebooted, factory reset the Vega by typing `factory reset` into the CLI Command window on the [Advanced](#) page:



The image shows a web interface for the CLI Command window. At the top, there is a blue header bar with the text "CLI Command". Below this is a light gray input field containing the text "factory reset". To the right of the input field is a gray button with the text "Submit".

then press .

5. When the command has completed, close the window then reboot the Vega by pressing  - this will ensure that all parameters are correctly configured to their default values.

## Your Vega is now ready for use.

*For initial configuration information see the appropriate initial configuration guide. Electronic copies are available in the "Step by step configuration" section of the CD-Rom User Documentation and VegaAssist web site.*

### 1.2 Initial power up - choosing SIP or H.323 from the command line interface

The command line interface provides a similar menu allowing choice of SIP or H.323.

If the first login to the Vega after it is first powered on is either via the Telnet or RS-232 serial interface on the Vega a menu similar to the following will appear after the initial sign-on screen:

```
=====
CHANGE ACTIVE PARTITION:

Partition 1: H.323 Firmware          (ACTIVE)
             Version: 08.01.04
             Built: Oct  9 2002 16:34:34 T011

Partition 2: SIP Firmware
             Version: 08.02.04b
             Built: Oct  9 2002 13:38:34 T013

Type PART2 to activate partition 2, or EXIT to leave unchanged.
=====

WARNING: Password is set to default value
BOOT_SELECT >
```

One of the firmware partitions will be marked as *(ACTIVE)* – this corresponds to the default firmware load which will be run by the Vega if no further action is taken.

To select the required firmware, proceed as follows:

1. If the partition marked *(ACTIVE)* is the one required then type `exit <return>` to leave this menu and continue booting the Vega.
2. If the partition marked *(ACTIVE)* is not the one required then type `PARTn <return>` where `n` is the number of the required partition. After a short pause the new partition will be selected.
3. To make the change active type `reboot system <return>`.

4. After the Vega has rebooted, log in again and type `factory reset <return>`, then `reboot system <return>` - this will ensure that all parameters are correctly configured to their default values.

## Your Vega is now ready for use.

*For initial configuration information see the appropriate initial configuration guide. Electronic copies are available in the "Step by step configuration" section of the CD-Rom User Documentation and VegaAssist web site.*

## 2 Changing from SIP to H.323 and H.323 to SIP

Even after the initial choice of SIP or H.323 has been made, it is possible to change that decision and select the alternate VoIP code (this may be done as often as required).

### 2.1 Choosing SIP or H.323 from the web browser interface

The menu that is presented at initial boot time may be re-entered at any time by selecting the [Advanced](#) page from the left hand menu of the web browser screen, and then selecting [Change Active Boot Partition](#) from the **Boot Manager** section.

Select the code required, `reboot system`, `factory reset`, `reboot system` and the Vega will be running the newly selected code.

### 2.2 Choosing SIP or H.323 from the command line interface

The menu that is presented at initial boot time may be re-entered at any time by typing the following command from the main menu of either the Telnet or RS-232 serial interfaces:

➤ `BOOT MANAGER`

Select the code required by typing `PARTn`, `reboot system`, `factory reset`, `reboot system` and the Vega will be running the newly selected code.

### 3 Further reading

For further information about operation of the Vega gateway, see the Vega Primer. The Vega Primer may be found in the “Technical Documentation” section of the CD-Rom User Documentation and VegaAssist web site.

For further details about the initial configuration of Vega units look at the “Step by step configuration” section of the CD-Rom User documentation and VegaAssist web site.

#### Contact Details

Email: [support@vegastream.com](mailto:support@vegastream.com)

Web: <http://www.vegastream.com>

#### EMEA Office

VegaStream Limited  
Berkshire Court  
Western Road  
Bracknell  
Berks RG12 1RE  
UK

+44 (0) 1344 784900

#### USA Office

VegaStream Inc.  
3701 FAU Boulevard  
Suite 200  
Boca Raton  
FL 33431  
USA

+1 561 995 2300