

For advanced regular expression configuration please visit wiki.sangoma.com

4. FXO

Note: This section only applies if the Vega 3050G is installed with the FXO plug-in module (FXO plug in Module sold separately)

Set up the telephone numbers to route to each FXO interface, using comma or space separated lists of telephone numbers and regular expressions if ranges are required.

Inbound calls on an FXO interface receive a ringing voltage on its interface; the incoming call does not supply any dialed number information to the Vega. The Vega therefore requires a telephone number to be configured to forward these incoming telephony calls to. In the 'Incoming Forward' field enter the telephone number that calls received on this telephone interface should be forwarded to.

If the Vega is powered down the first two FXS interfaces fallback to a hardwired connection through to the two FXO interfaces. This allows calls to be made through the first two FXS interfaces even when the Vega is unable to actively process calls (See diagram 3).

Backing Up the Configuration

To create a backup of all your configuration navigate to Expert Config > System, then in the Configuration section select the Download button and save the file config.txt.

To restore your complete configuration simply select the Upload button to restore and select your config.txt file.

Certifications

Safety	
IEC 60950-1/A1:2009	
EMC (Pending)	
Emissions:	EN 55022:2010 EN 55022:2006 inc A1:2007 & A2:2010 VCCI (V-3/2012.04), AS/NZS CISPR 22 SANS 222:2006 / CISPR 22:2006 FCC/CFR 47:Part 15 Canadian Standard ICES-003:Issue 5 EN 61000-3-2:2006 inc A1/A2:2009 EN 61000-3-3:2008
Immunity:	EN 55024:2010 SANS 224:1997 / CISPR 24:1997

Warranty

Standard 12-month warranty is included. Additional warranty services available, contact your Sales representative for more information.

How to Get Support

If you encounter problems, please visit wiki.sangoma.com or contact your authorized reseller directly.

Type	Description
1 ST LINE SUPPORT	Visit the online knowledge base at wiki.sangoma.com Our knowledge base contains hundreds of step-by-step tutorials, guides and troubleshooting information to help you find what you're looking for and get back to work as quickly as possible.
2 ND LINE SUPPORT	Contact your Point-of-Purchase (Reseller/Distributor)
3 RD LINE SUPPORT	Contact Sangoma Support at support.sangoma.com Log onto our online support portal to submit your support requests directly with Sangoma customer Engineers, processed in a priority sequence.

End-User License Agreement

To view the End-User License Agreement visit: <http://www.sangoma.com/legal/>



VEGA3050G



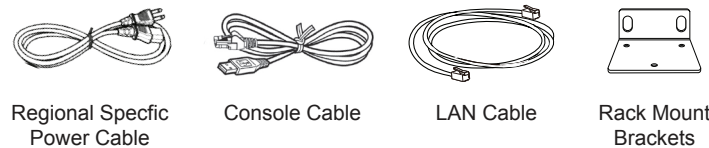
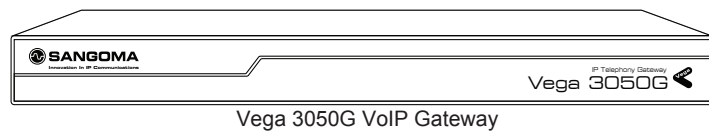
Vega 3050G QUICK START GUIDE

Congratulations on your purchase of a Vega 3050G Voice Over IP gateway. This Quick Start Guide will assist you through the process of configuring your new gateway.

For further details on configuration parameters and custom routing options please visit our online self- help website: wiki.sangoma.com

What's in the Box

Included with packaging of your Vega 3050G are the following items:

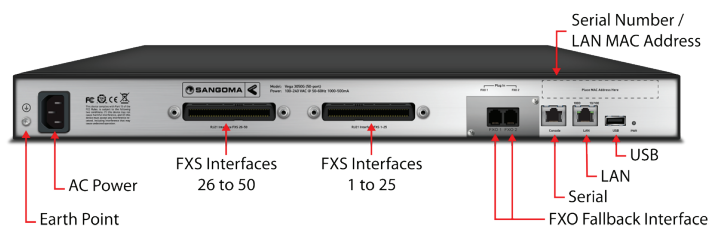


Before You Start

We advise that before connecting and using your Vega 3050G for the first time, you visit the wiki.sangoma.com and read the 'Safety and Compliance Information' document which contains important details that you should be aware of.

Connecting Your Vega 3050G

Connect your Vega 3050G using its telephony, Earth point, power and LAN connections.



Note: The Vega3050G does not ship with the optional FXO fallback module (as seen in the image above).

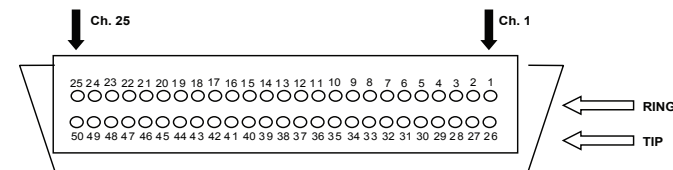
Optional (sold separately): If you have ordered the FXO-Plug-In module along with your Vega3050G please install it now using the quick start guide provided in its own packaging.

The FXS telephony connectors are RJ21 / Amphenol supporting 25 2-wire analogue telephone connections.

For EMC compliance you must attach Ferrite collar(s) (not included) around the cable leaving each RJ21 / Amphenol, close to the Vega 3050G.

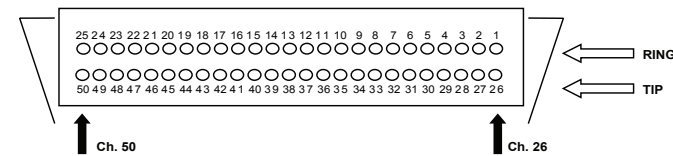
You should connect to these connectors as follows:

FXS Ports 1-25



FXS interface 1 (IF:0101) = pin 1 and pin 26
 FXS interface 2 (IF:0102) = pin 2 and pin 27
 ...
 FXS interface 25 (IF:0125) = pin 25 and pin 50

FXS Ports 26 to 50:



FXS interface 26 (IF:0125) = pin 1 and pin 26
 FXS interface 27 (IF:0126) = pin 2 and pin 27
 ...
 FXS interface 50 (IF:0150) = pin 25 and pin 50

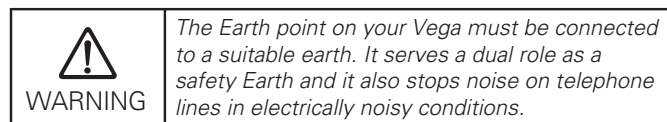
FXO Ports

FXO fallback ports (IF:0201 and IF:0202) are connected through RJ11 connections.

Note: This section is only applicable if FXO Plug in module installed. (FXO Plug in Module is sold separately)

LAN Ports:

LAN interface 1 may be connected to any 10, 100 or 1000 Mbps hub, switch or router and is configured to negotiate to the highest bitrate by default.



Getting an IP Address

The Vega 3050G uses DHCP to find an IP address for LAN. Find the IP address by either of these two methods:

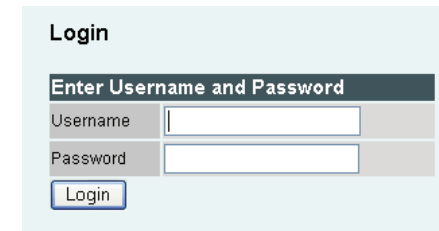
1. Refer to your DHCP records with the MAC address of the Vega, which can be found underneath the barcode on the rear of the Vega gateway (i.e. 00505.....).
2. Connect the supplied console cable to the console port found on the rear of the Vega gateway and connect to a terminal application on a computer, using standard details. Log in with user: *admin*, pass: *admin*. Type: *show banner* to display the IP Address.

If no IP address is assigned or you wish to assign a static IP address, follow step 2 above and then refer to wiki.sangoma.com for documentation on how to set a static IP address from console.

Logging into the Vega

Enter the IP address of your Vega 3050G into the address line of your web browser and press enter.

The Vega will present you with a login screen



Default username and password:
Username: admin
Password: admin

Note: It is recommended to change default password

Configuring Your Vega

Configure your Vega gateway using the *Quick Config* wizard, located on the left menu within the Webgui (See diagram 1).

Quick Config is a wizard which is designed to completely configure your Vega. If you require advanced configuration you may navigate to any of the menu items located under *Expert Config* (See diagram 2).

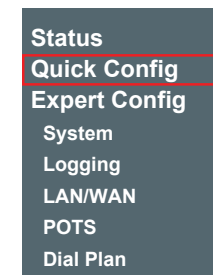


Diagram 1

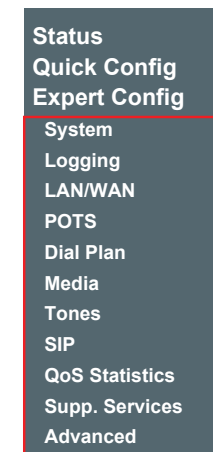


Diagram 2

NOTE: *Quick Config* applies changes to *Expert Config* in many areas. This means if you have made any manual configuration adjustments within the *Expert Config* section(s), DO NOT re-enter *Quick Config* as all advanced (non-*Quick Config*) changes will be overwritten with what is configured in *Quick Config*.

Select *Quick Config*. If a warning message appears informing you that there is already configuration applied, you can remove the existing settings and start from the beginning by

selecting 'Continue' then ticking the 'New Install ?' option. This will ensure that any old, unwanted configuration is removed as you submit your new settings. Do not tick this option if you are simply amending existing config.

1. Basic config

Start by selecting the *basic config* tab.

If this a new installation, ensure that the 'New Install ?' option is ticked.

Select the country and then choose which emergency numbers are appropriate for the location of the Vega.

Now select the LAN settings and then the codecs to use for VoIP calls (See diagram 3).

2. VoIP

REGISTRATION MODE:

Depending on the installation, if registration is required, it can be configured as one registration per gateway or as one registration per FXS port.

OUTBOUND PROXY:

Choose whether calls should be sent direct to the service provider or through an outbound proxy.

Note: The fields available to configure on the remainder of this tab are affected by the values chosen in the above two settings.

Configure the remaining settings, typically the values will be provided by your VoIP service provider or system administrator. All IP address entries may be provided as dotted decimal values (a.b.c.d) or as DNS names (e.g. SIP.sangoma.com). Configure the codec lineup for this installation in preference order (See diagram 3).

3. FXS

Enable and disable the interfaces using the check boxes seen within the section. Configure the telephone number(s) to route to each interface.

Telephone connection: If you have telephones connected, typically you will have a single number associated with each interface.

Analog trunk connections: If the interfaces are connected to the analog trunk interfaces of a PBX then typically each interface will have a number range that needs to be routed to each interface.

The list of telephone numbers is a comma separated or space separated list of telephone numbers to be routed to that destination (See diagram 3).

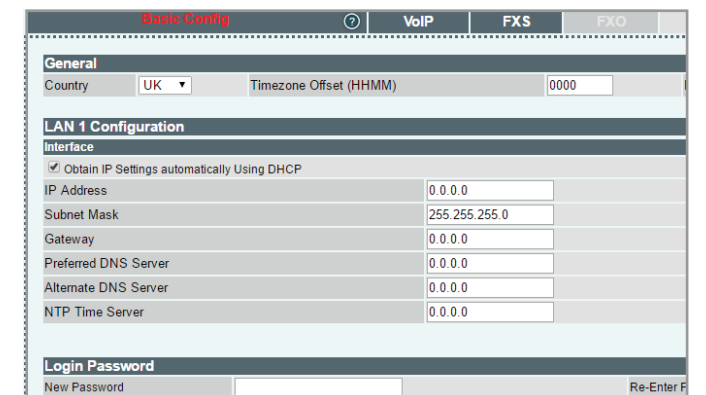


Diagram 3