

# Orion VX1000/VX2000 Quick Start Guide



Read Before Operation



## Installation and Basic IP Settings

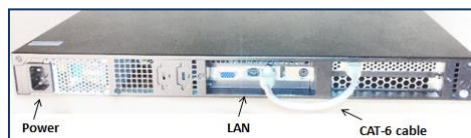
### Step 1: Follow the precautionary and safety instructions

Please follow the precautions and system safety instructions, as is listed in Appendix A of the User Manual, prior to installation. Choose a clean, dust-free area that is well ventilated. Avoid areas where heat, electrical noise and electromagnetic fields are generated. If you intend to install the system into a rack, choose a location near a grounded power outlet, and follow the instructions in Appendix B of the User Manual.

### Step 2: Unpack the Orion VX1000/VX2000 system

### Step 3: Connect the cables and turn on the MCU

1. Connect both ends of the short CAT-6 Ethernet cable that is provided with the system, as shown in the image below.
2. Connect the Orion VX1000/VX2000 “LAN” port to the Ethernet port of your computer using a CAT-6 cable.
3. Start up the system by connecting the power cable and then pressing the power button located on the Orion VX1000/VX2000 front panel. (Server and application load time is approximately 1 minute.)



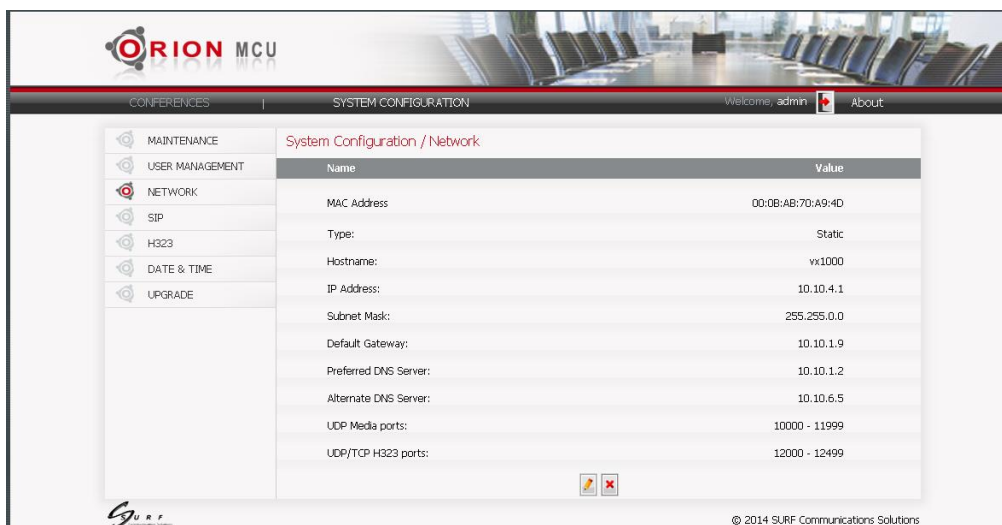
### Step 4: Set the Orion VX1000/VX2000 IP address



The Orion VX1000/VX2000 is provided with a default IP address “192.168.0.1” that should be modified before using the system.

1. Change your computer’s network settings to define the static IP address “192.168.0.2” for your computer.
2. In a Web browser, navigate to the Orion VX1000/VX2000’s default IP address - 192.168.0.1. When the login screen is displayed, enter the default user name and password (admin, admin).

Note: The MCU’s Web-based GUI supports the following browser versions: Internet Explorer 8 or higher, Google Chrome 20 or higher, Mozilla Firefox 14 or higher and Safari 5 or higher.

3. Select **System Configuration > Network**, as shown below:



4. Click Edit , and modify the relevant IP fields.
5. Click Save .

6. The system will reboot and the changes will be applied.

Note: If you have chosen DHCP, or if you don't know the system's IP address, you can discover the IP address by connecting a monitor to Orion VX1000/VX2000 and restarting the system. The IP address will be displayed on the Login screen at the end of the system load.

### **Step 5: Connect to the Orion VX1000/VX2000 IP address from your Network**

Disconnect the Orion VX1000/VX2000 "LAN" port from your computer and connect it to your network.

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*The Orion VX1000/VX2000 is now connected to your network.*

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### **Activate Video Conference**

The fastest way to check video conference connectivity is to connect to a predefined conference room on the Orion VX1000/VX2000.

Linphone is a free, open-source client from Belledonne Communications.

#### **Linphone Installation**

Download Linphone using this link:

<http://download-mirror.savannah.gnu.org/releases/linphone/3.5.x/win32/linphone-3.5.2-setup.exe>

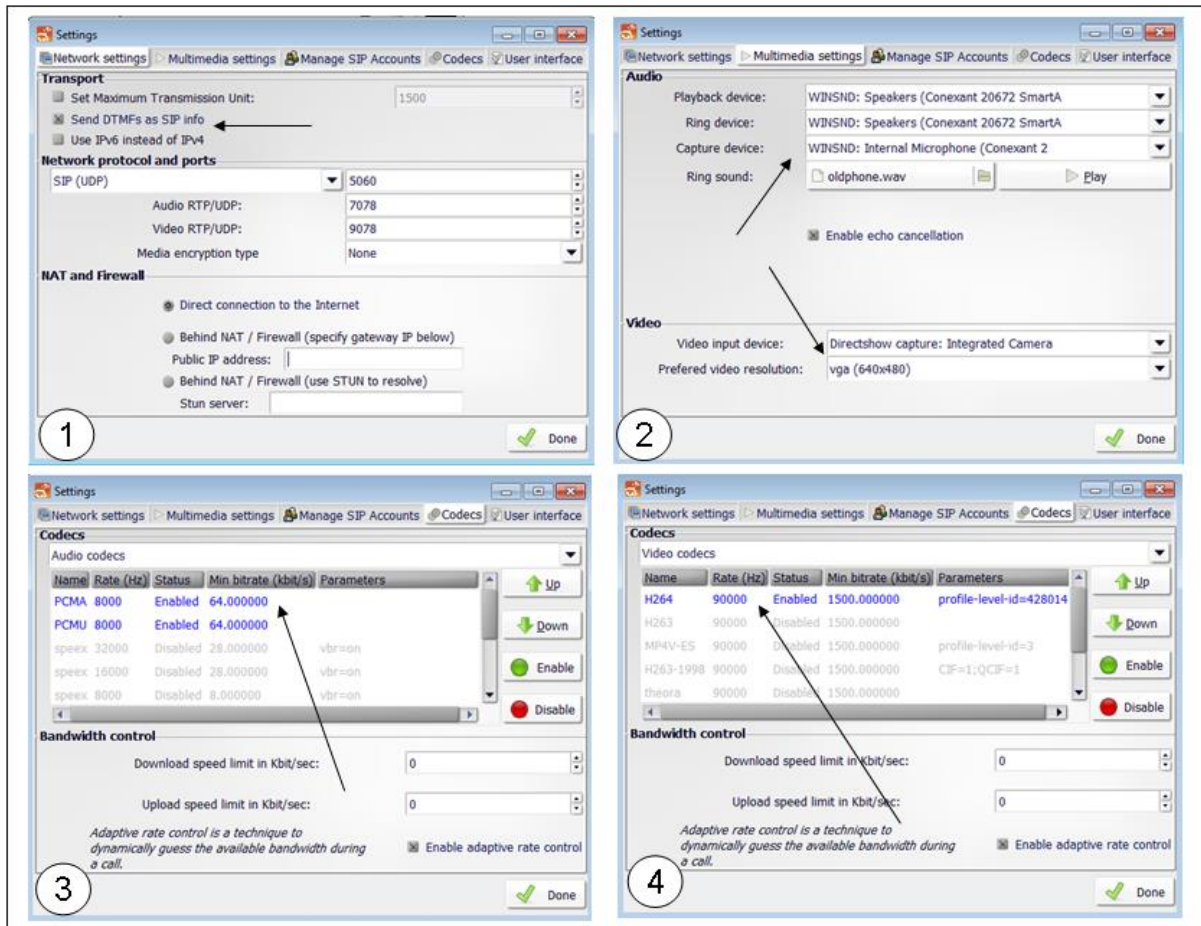
Download H264 using this link:

<http://download.savannah.gnu.org/releases/linphone/plugins/win32/msx264-1.4.3-setup.exe>

Install both files. Then, restart Linphone by quitting the application (from Windows, right click the Linphone icon and choose "Quit"), and launching it again.

#### **Linphone Configuration**

1. Under Options, make sure the **Enable Video** item is checked, then click on **Options → Preferences**.
2. In the first tab (upper left), make sure **Send DTMFs as SIP Info** is checked. Don't change any other parameter. (inband DTMFs have some issues with LinPhone)
3. In the Multimedia settings tab, make sure your capture device is your microphone and that the video input device is your USB or Integrated Camera. For Video resolution, choose VGA.
4. In the Codecs Tab, from the dropdown select the Audio and Video Codecs and set them as follows:
  - a. Voice: Enable only **PCMA** and **PCMU** audio codecs (disable and move down all the rest).
  - b. Video: Enable only **H264** for Video codec (disable and move down all the rest).
5. Press **Done**.



### Testing a Video Call

1. To test IVVR scenarios, dial 500@< Orion VX1000/VX2000 IP Address> from Linphone.
  - a. Enter the conference Number 100# from the LinPhone keypad when prompted.
  - b. Enter the conference PIN 1# from the LinPhone keypad when prompted.
  - c. The image from your camera should be visible and the call should be active.
  - d. Additional clients can connect to the conference simultaneously.
2. To test direct connectivity dial 500\*100\*1@<Orion VX1000/VX2000 IP Address> from Linphone.
  - a. You should be placed in the conference immediately (the IVVR is bypassed).
  - b. Additional clients can connect to the conference simultaneously.

The Orion VX1000/VX2000 management system enables you to monitor, control, and set conferences. Connect to the management system by entering the Orion VX1000/VX2000's IP address in a Web browser. For more information refer to *Orion VX1000/VX2000 User Manual*.