Orion-O User Manual

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1. Overview

Optimized to be used with SURF's Orion-VX1000/VX2000 infrastructure video conferencing solution, Orion-O provides mobile connectivity solutions to the onsite video conferencing solution provided by the Orion-VX1000/VX2000.

Orion-O provides the following benefits:

♦ Simple to use connectivity for voice or video communication solution from any network for a true collaborative experience.
♦ Open standard based (SIP, H.264) protocols allow connectivity to most enterprise gateways and systems through the Orion- VX1000/VX2000 video conference solution.
♦ Simple and easy to use application.
♦ Optimized for Apple iPhone, iPAD, and windows.

This manual provides a detailed guidance on the use of the Orion-O, SURF's video conferencing soft-client, for windows. It includes a description of the product, its functionality, features, settings, and operation.

Feedback:

The SURF Technical Support Center is at your service. You may access Warranty Service through our Web Request Form by using the following link: www.orionmcu.com/support

We are committed to constant and perpetual improvement. Your input will greatly help us in our endeavor.

2. Opening Screen

The application can be downloaded from link: http://www.orionmcu.com/partner-area.

Download and run the Orion-O video conferencing soft-client from your Windows. Figure 1 pops up:
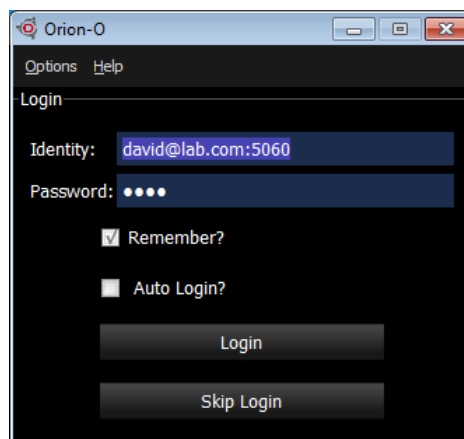
Figure 1: Login

➡ **To Login:**

♦ Enter your user name and password in the **Identity** and **Password** fields, respectively.
   Identity needs to be of the one of the following form:

   • <username>@<domain>:<port>

   • <username>@<IP address>:<port>

   username can be a number or a string

♦ **Remember?** When remember box is checked, the application remembers your password for the
   future entries.

♦ **Auto Login?** When auto login box is checked, the application shall not present the login screen
   and you are automatically logged-in. In order to check the **Auto Login** box **Remember** box
   should be checked as well.

♦ Click on the **Login** button to enter the dialing screen.

   If the Identity or the Password values have incorrect syntax, the following message shall appear:
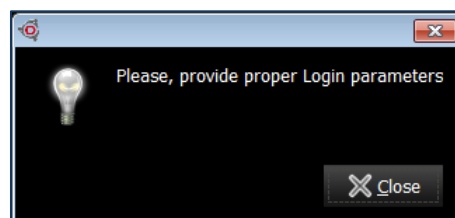
   In order to change the Login parameters, SIP User screen can be used as well (see section 5.2).

➔ **To skip the registration: Press Skip Login**

In this case the Orion-O does not register to a registrar. The **Current Status** button at the top-left of the screen shall appear in grey.

See Table 4-3 for the dialing options of an unregistered user.

3. Joining a Conference

Following the login operation, the Orion-O dialing screen appears. Note that the **Current Status** is green for a successful login. If Current Status is red, logout, check your **Identity** and **Password** and login again. Figure 2 shows the dialing screen:
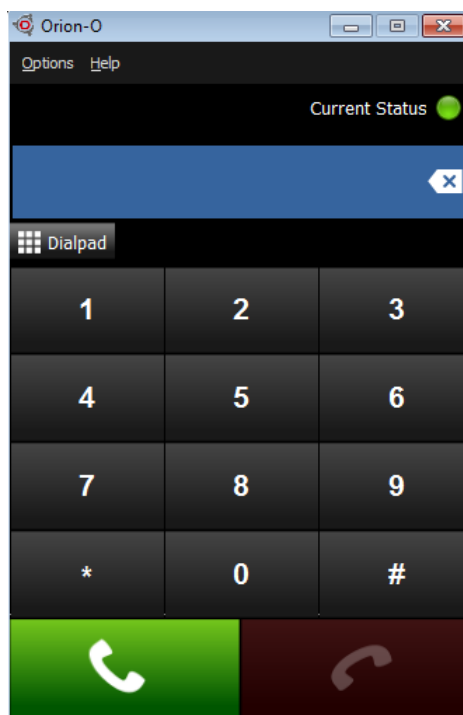
Figure 2: Dialing Screen

➔ **To join a conference:**

♦ Edit or enter the pre-registered conference name or number. For dialing options see section 4.

♦ Press the green dialing button.

➔ **To share a content with the other participants:**

♦ Check that your laptop's webcam is on.

♦ Check that the device recognizes your camera by checking the **Video input device** text-box (by selecting Options-> Preferences-> Multimedia).

♦ Press the **Start Screen Sharing** button, as shown in the figure below:

Figure 3: Screen Sharing

➔ **To stop the screen sharing:**

♦ Press **Stop Screen Sharing** button.

➔ **To quit the conference:**

♦ Press the red dialing button

➔ **To terminate the call:**

♦ Press the red dialing button

4. Dialing Options

In order to join a conference, the user can use the access number or the conference number. The following tables show various dialing options per each choice, using the below example:

♦ Access Number – 500
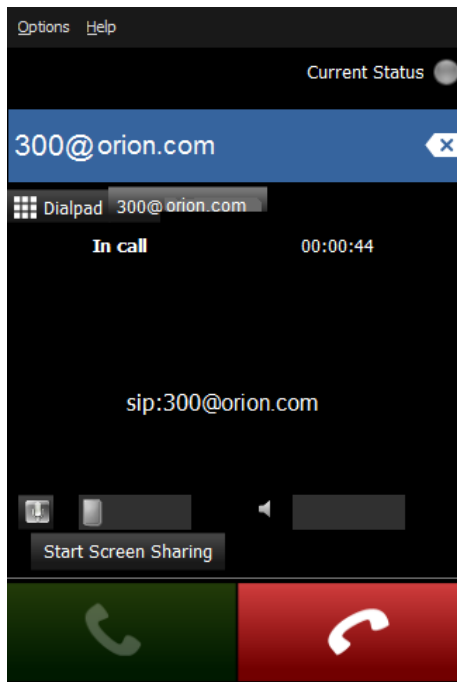
♦ Conference Number – 100

♦ Participant PIN Code – 1

♦ Orion-VX1000/VX2000 Domain – Orion.com (Domain name or IP address).

Participant is registered on PBX:

Dialing Option	PIN Code	Operations and Prompts
Access Number	√	Dial 500 – Prompt: *"Please enter your conference number followed by the # key"* Dial 100 – Prompt: *"Please enter the conference PIN number followed by the # key"* Dial 1 – Connected to conference
Conference Number	√	Dial 100 – Prompt "Please enter the conference PIN number followed by the # key" Dial 1 – Connected to conference
Access Number		Dial 500 – Prompt "Please enter your conference number followed by the # key" Dial 100 – Connected to conference
Conference Number		Dial 100 – Connected to conference

Table 4-1: Dialing Information - Registered on PBX

Participant is registered on Orion-VX1000/VX2000 SIP Build-in Registrar:

Dialing Option	PIN Code	Operations and Prompts
Access Number	√	Dial 500 – Prompt "Please enter your conference number followed by the # key" Dial 100 – Prompt "Please enter the conference PIN number followed by the # key" Dial 1 – Connected to conference **Alternative option (Connecting without prompts):** Dial 500*100*1 – Connected to conference
Conference Number	√	Dial 100 – Prompt "Please enter the conference PIN number followed by the # key" Dial 1 – Connected to conference
Access Number		Dial 500 – Prompt "Please enter your conference number followed by the # key" Dial 100 – Connected to conference
Conference Number		Dial 100 – Connected to conference

Table 4-2: Dialing Information - Registered on Orion-VX1000/VX2000

Participant is not registered:

Dialing Option	PIN Code	Operations and Prompts
Access Number	√	Dial 500@Orion.com – Prompt "*Please enter your conference number followed by the # key*" Dial 100 – Prompt "*Please enter the conference PIN number followed by the # key*" Dial 1 – Connected to conference **Alternative option (Connecting without prompts):** Dial 500*100*1@Orion.com – Connected to conference
Conference Number	√	Dial 100@Orion.com – Prompt "*Please enter the conference PIN number followed by the # key*" Dial 1 – Connected to conference
Access Number		Dial 500@Orion.com – Prompt "*Please enter your conference number followed by the # key*" Dial 100 – Connected to conference
Conference Number		Dial 100@Orion.com – Connected to conference

Table 4-3: Dialing Information - Not Registered

5. Application Settings

➜ **To set the application's parameters: Press on Options. The Orion-O setting options appear, as shown below:**

♦ **Preferences.** Sets the network, multimedia and bandwidth control parameters (see section 5.1).

♦ **SIP User.** Sets the user's identity and password, and the login characteristics (see section 2).

♦ **Logout.** Logs out from the system, enabling the user to login again. To login, enter the **SIP User** (see section 5.2).

♦ **Always start video.** When this check box is not checked, the conference starts without video and as a voice conference only.

♦ **Enable self-view.** When the enable self-view box is checked, an additional window opens, showing the image of the user.

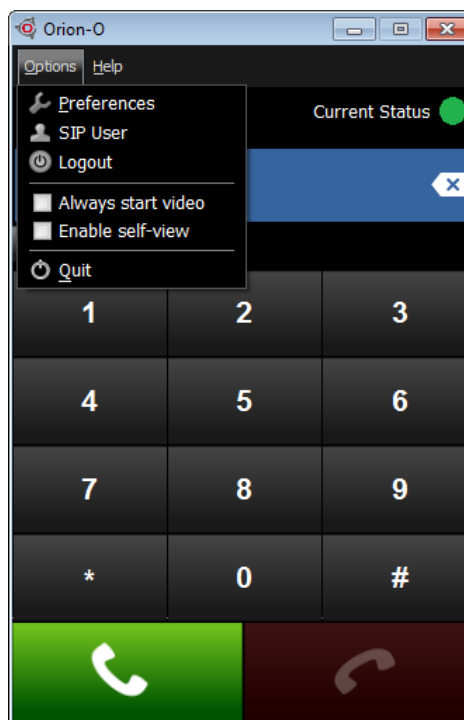♦ **Quit.** Quits the application and the user's state shall turn to offline.

Figure 4: Options

5.1 Preferences

5.1.1 Network

➜ **For Network settings:**

♦ Use the **SIP** drop-down menu to choose between:
- SIP (UDP)
- SIP (TCP)
- SIP (TLS)

♦ Enter the **SIP** listening port
♦ Enter the **Audio RTP/UDP** port
♦ Enter the **Video RTP/UDP** port
♦ If you are not behind NAT/Firewall, check the **Direct connection to the Internet** box.
♦ If you are behind NAT/Firewall, check the **Behind NAT / Firewall** box.
♦ Enter your Public IP address.
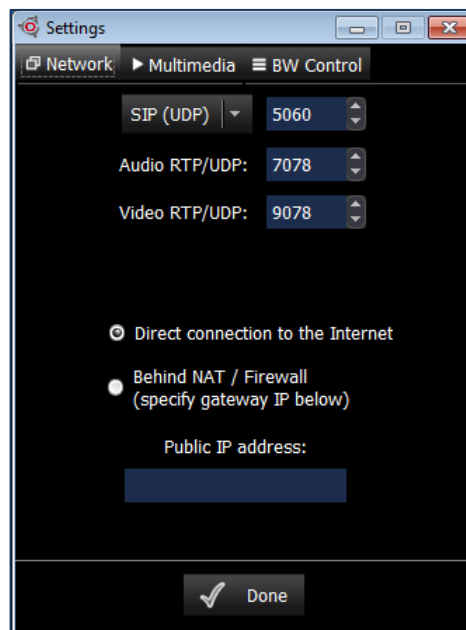♦ Press **Done** to save the changes and to exist the **Network** settings.

Figure 5: Network Settings

5.1.2 Multimedia

➜ **For the Multimedia settings:**

The device options below depend on your device's available hardware.

Audio

♦ Choose your **Playback device** by using the drop-down menu
♦ Choose your **Ring device** by using the drop-down menu
♦ Choose your **Capture device** by using the drop-down menu

Video

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- Use **Video input device** drop-down menu to choose between:
  - Directshow capture: CyberLink Web Camera Filter
  - Directshow capture; LG Webcam
  - StaticImage: Statis picture
- Use **Preferred video resolution** drop-down menu to choose between:
  - HD720P (1280X720)
  - VGA (640x480)
  - CIF (352x288)
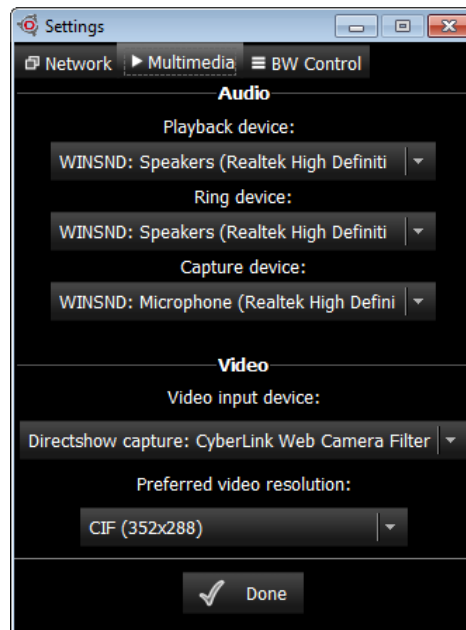- Press **Done** to save the changes and to exist the **Multimedia** settings.

Figure 6: Multimedia

5.1.3   Bandwidth Control

➜ **To set the Bandwidth Control:**

- Insert the Download speed limit in Kbit/sec.
  Download speed limit is the maximum bit-rate from the network **to your device.**

- Insert the Upload speed limit in Kbit/sec
  Upload speed limit is the maximum bit-rate **from your device** to the network.

  Note that when the parameters above are set to zero, no limit has been set for the bit rate.

- To enable an **adaptive rate control**, check the box.
  Adaptive rate control manages the bit rate and does not allow the stream to exceed the entered values.

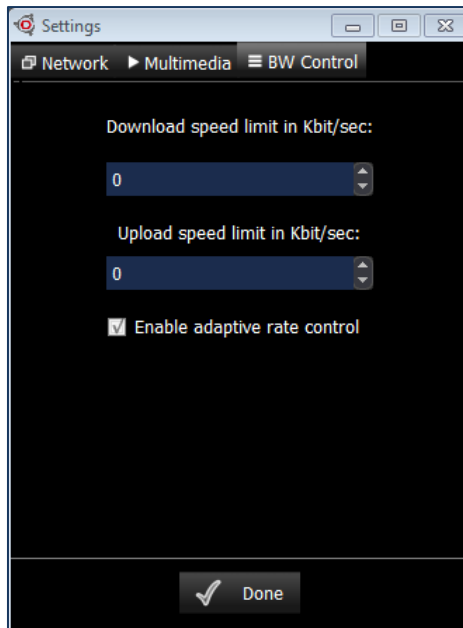- Press **Done** to save the changes and to exist the **Bandwidth Control** settings.

Figure 7: Bandwidth Control

5.2   SIP User

➔ **To edit the SIP User's login parameters, Choose SIP User:**

♦ Press **Logout**, to make the fields editable:

♦ Edit the login parameters, as described in the opening screen (see section 2).

♦ Enter the Outbound's SIP proxy domain or IP address (optional). The following shows the syntax:

   • <domain>:<port>

   • <IP address>:<port>

   Note: Configure the Outbound SIP proxy with the same IP address of the Registrar, or leave this field blank (preferred).
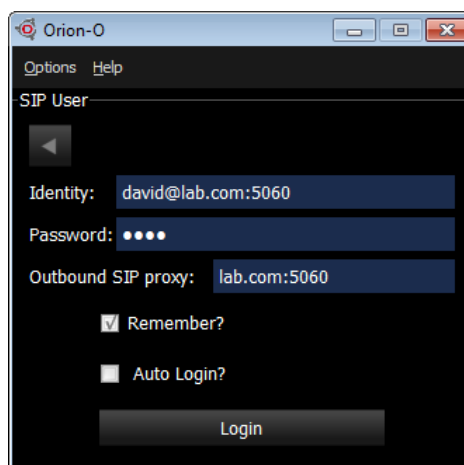
♦ Press **Login**

Figure 8: SIP User