
Configuring Quadro IP PBX with Surix VoIP Door Phone



Revision: 1.0

Abstract: This document describes how to configure the Quadro IP PBX with the Surix VoIP Door Phone Device.

Table of Contents:

- 1 Introduction..... 4**
- 2 Requirements..... 4**
- 3 Configuration 4**
 - 3.1 Configuring the Quadro IP PBX..... 5
 - 3.2 Surix IP DP Device Configuration as IP Line of Quadro IP PBX..... 6
- 4 References 8**

Document Revision History

Revision	Date	Revision	Valid for SW	Valid for models
1.0	3-Jul-2012	Initial version	5.3.x and higher	Quadro IP PBXs

1 Introduction

The Surix VoIP Door Phone can be configured on the Quadro to make and receive phone calls similar to other IP phones. The Surix VoIP unit can be used as a door or gate entry device. It has a key that can be used to place a call to an operator or receptionist. Once the call is answered and identification is established, the operator can enter the access code from the keypad on their phone to open the door. This document describes the basic settings on how to configure the Quadro IP PBX and the Surix VoIP door phone to support incoming/outgoing calls. Features, settings and connections specific to the operation of the door relay are beyond the scope of this document.

2 Requirements

- SW version 5.3.x or higher running on the Quadro.
- The Quadro is connected to the network and all network settings are properly configured.
- The Surix VoIP Door Phone is connected to the network similar to an IP Phone.

3 Configuration

The Surix VoIP Door Phone will connect via an ethernet cable to the same network as the IP phones. The unit can be powered locally with the provided 12V AC external power supply or by a POE switch (if exists). The settings for the unit will be configured through a web-based GUI interface.

3.1 Configuring the Quadro IP PBX

To configure the Quadro, login to the Quadro Web Management from your PC and configure the IP Line that will be used for the Surix IP DP device to register to the Quadro:

1. Log into the Quadro as an administrator and access **Telephony->Line Settings->IP Line Settings** page.
2. From the **Attached Extension** column, choose an extension to be assigned to the SIP device and click on the corresponding IP line link (see Figure 1).

The screenshot displays the 'Line Settings' page in the Quadro web management interface. At the top, there are navigation tabs: Main, System, Users, Conferences, Telephony, Internet Uplink, and Network. The 'Telephony' tab is active. Below the tabs, the 'Line Settings' section is visible, with a sub-section for 'IP Line Settings'. There are several configuration options: 'Enable PnP for IP lines' (checked), 'Enable firmware version control' (unchecked), 'Configure IP phones from:' (LAN), and 'Phones Default Template:' (systemdefault). Below these are links for 'Manage IP Phones Templates', 'Upload IP Phones Logo', and 'FXS Gateway Management'. The main part of the page is a table with the following data:

Available IP Lines	Attached Extension	Type	Details
IP Line 1	103	SIP	UserName: locext103, Model: Yealink SIP-T38G, 00:15:65:26:81:49, Template: systemdefault, Advanced Web Reboot
IP Line 2	104	SIP	UserName: 1104, Model: Other
IP Line 3	105	SIP	UserName: 1105, Model: Other
IP Line 4	106	SIP	UserName: 1106, Model: Other
IP Line 5	107	SIP	UserName: 1107, Model: Other
IP Line 6	108	SIP	UserName: 1108, Model: Other
IP Line 7	109	SIP	UserName: 1109, Model: Other
IP Line 8	110	SIP	UserName: 1110, Model: Other
IP Line 9	111	SIP	UserName: 1111, Model: Other

Figure 1

3. Configure the IP line as follows:

- Select the **SIP Phone** radio button.
- Select **Other** from the **Phone Model** drop down list.
- Specify the **Username** and **Password** fields (see Figure 2).

Please Note: The same **Username** and **Password** should be specified when configuring the Surix device.

Please Note: You must have an attached extension to the selected IP Line.

- Click **Save** to submit the changes.

Figure 2

3.2 Surix IP DP Device Configuration as IP Line of Quadro IP PBX

To configure the Surix VoIP door phone to function with the Quadro IP PBX, follow the steps below:

1. Login to the Surix unit from your PC by entering the IP address in a browser (default IP address is 10.0.0.1000:8085). The unit is accessed by entering the password (default password is "sx1234"). See Figure 3.

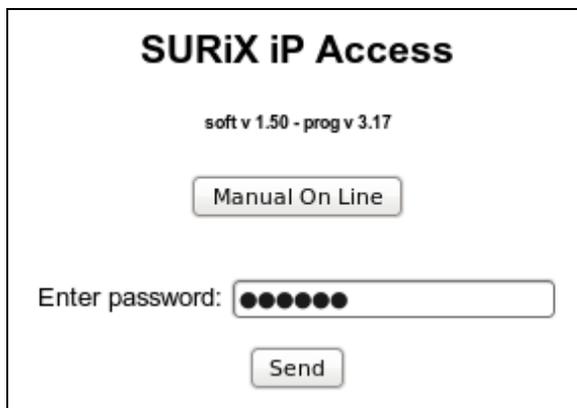


Figure 3

2. The Main Menu window appears (see Figure 4).
3. Next step will be to click on “**Communication parameters**” link. The following settings will need to be configured on this page (see Figure 5). Only the minimum settings to configure the unit are shown.

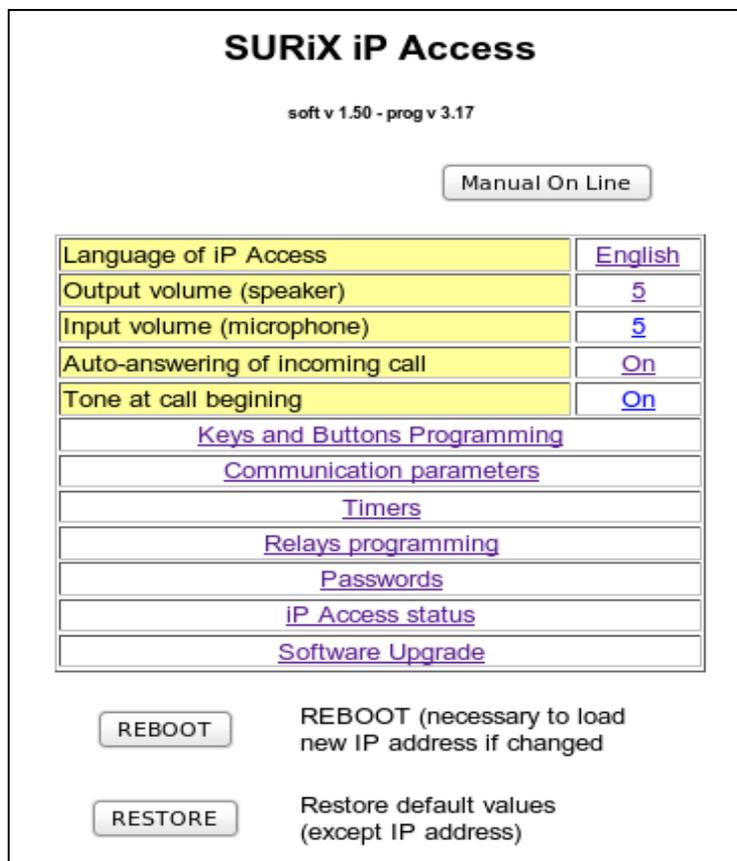


Figure 4

- Set up “**My IP address (iP Access)**” - Surix IP DP device SIP address used for phone configuration.

- Set up “**My UDP SIP port**” – Surix IP DP device SIP port.
- Set up “**Login password of iP Access in IP PBX**” – the same password specified on the Quadro IP PBX).
- Set up “**My extension # (iP Access)**” – the same username specified on the Quadro IP PBX)
- Set up “**IP Address or domain of IP PBX**”- SIP address of the Quadro IP PBX.
- Set up “**IP port of IP PBX**” - SIP UDP Port of Quadro IP PBX (specified in the **UDP Port** field of Quadro IP PBX in the **Telephony->SIP Settings** page)..
- Set up the Gateway, DNS IP address.

SURiX iP Access	
soft v 1.50 - prog v 3.17	
<input type="button" value="Main menu"/> <input type="button" value="Manual On Line"/>	
My IP address (iP Access)	10.100.102.10
My UDP SIP port	5060
Login password of iP Access in IP PBX	105
My extension # (iP Access)	105
IP Address or domain of IP PBX	0.0.0.0
IP Port of IP PBX	5060
Bottom of range UDP ports	50001
Top of range UDP ports	59999
Subnet mask	255.255.255.0
Gateway IP address	10.0.0.2
DNS IP Address	208.67.222.222
IP PBX domain	surix.net
Time out (in minutes) SIP registration	2

Figure 5

At this point the Surix should be registered on the Quadro (**System→Status→IP Lines Registration Status**).

4 References

- Manual II – Administrator’s Guide.
- Additional documentation about the Surix VoIP Door Phone may be found at <http://www.surix.net/>.

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