



BLF List Configuration Guide

Version: 1.0

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Introduction

Overview

This article describes the BLF List function of Flyingvoice phones and will guide you to use this feature on the Broadworks and Flyingvoice phones. The FIP1X series phone supports this feature, include FIP10(P), FIP11C(P), FIP13G, FIP14G, FIP15G.

Description

The Busy Lamp Field (BLF) feature enables the IP phone to monitor specific remote lines for state changes on the phone. It obtains the phone's call status by subscribing to the phone number. When the call status of the subscribed number changes, the phone will inform the subscriber by change the color of the BLF indicator. One BLF key can only monitor one number at a time.

BLF List can monitor multiple numbers. After setting the numbers to be monitored, the phone will configure these numbers to the corresponding DSS key automatically. The subscriber will receive a notification when any of the subscribed numbers changes the call status.

The phone needs to work with the PBX to use the BLF List feature. Currently, Flyingvoice phones can work with the PBX servers including BroadSoft BroadWorks, Fortinet FortiVoice and VoipSwitch.

Here we take BroadWorks as an example to set the BLF List feature with the Flyingvoice phone.

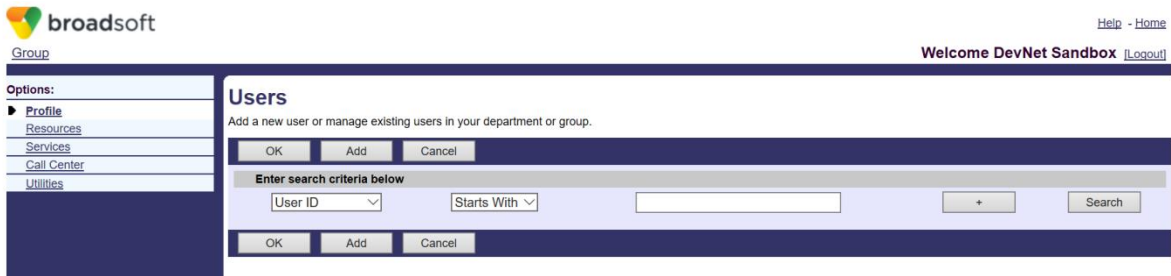
Configurations on BroadWorks

1. Login to the web management page of BroadWorks, as shown below.

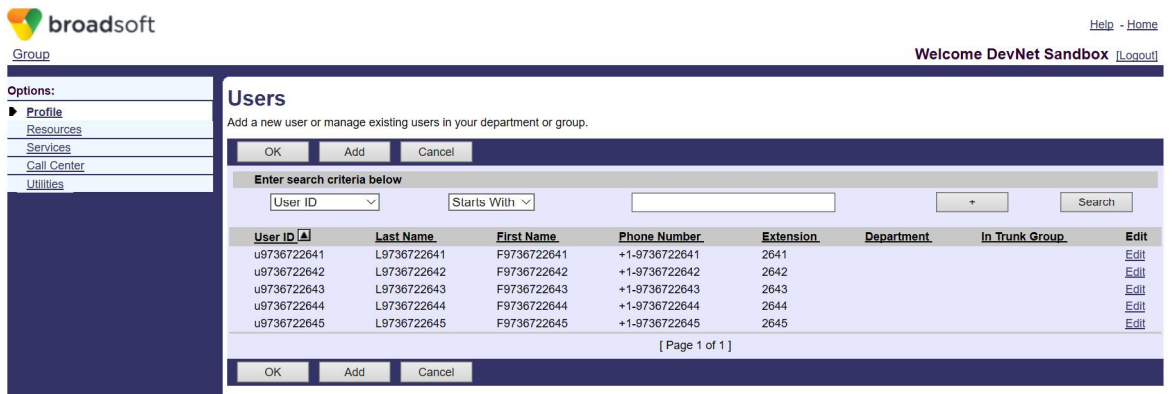
The screenshot displays the BroadSoft web management interface. At the top left is the BroadSoft logo. In the top right corner, there are links for "Help - Home" and "Welcome DevNet Sandbox [Logout]". A navigation menu on the left side includes "Options:" with sub-items: "Profile" (selected), "Resources", "Services", "Call Center", and "Utilities". The main content area is titled "Profile" and is divided into two columns: "Basic" and "Advanced".

Basic	Advanced
Users Add, modify, or remove users.	Call Processing Policies Configure group-level Call Processing Policies
Profile View or modify your group profile information.	Communication Barring Authorization Codes Configure group-level Communication Barring authorization codes.
Change Password Change your password.	Dial Plan Policy Configure group-level Dial Plan Policy
Administrators Add, modify, or remove group administrators and department administrators.	Virtual On-Net Enterprise Extensions Create and manage Virtual On-Net Users.
Announcement Repository Manage the announcements for a group	Dialable Caller ID Automatically prepend digits to the incoming caller ID of public calls so the caller ID is presented in dialable format.
Departments Add, modify, or remove departments in your group.	
Schedules Add, modify, or remove schedules.	

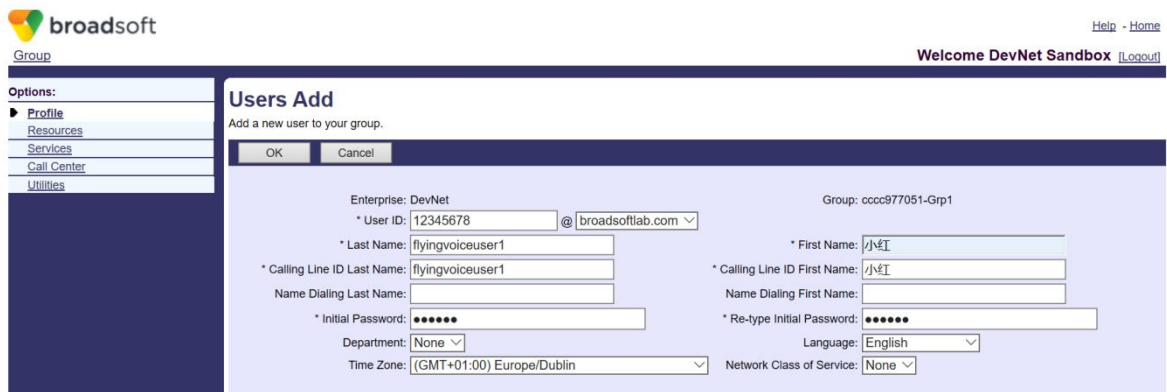
2. Go to **Users** to open the Broadsoft account selection interface, as shown below



3. If the broadsoft account has been added before, click **Search** to display the account list below. You can select an account to configure, for example, **u9736722645**, then go to Step 5. If there is no broadsoft account listed, Click **Add** and refer to Step 4 to create a new account.



4. Add a broadsoft account.



5. Open the Configuration page of the selected account **u9736722645**.

The screenshot shows the Broadsoft user configuration interface. The top left features the Broadsoft logo and navigation links: "Group > Users : u9736722645" and "Welcome DevNet Sandbox [Logout]". A left sidebar lists "Options:" with a tree view where "Profile" is selected. The main content area is titled "Profile" and is divided into two columns: "Basic" and "Advanced".

Basic

- Profile**: Display and configure profile information such as your name, department and address.
- Addresses**: Addresses allows you to view and maintain your phone numbers and other identities that are used to make and receive calls.
- Announcement Repository**: Manage the announcements for a user.
- Passwords**: Set web access and portal passwords.
- Schedules**: Add, modify, or remove schedules.

Advanced

- Assign Services**: Assign or unassign services and service packs.
- Call Application Policies**: Select Call Control Applications enabled for a user.
- Call Policies**: Configure user Call Policies.
- Call Processing Policies**: Configure user-level Call Processing Policies.
- Communication Barring Authorization Codes**: Configure Communication Barring Authorization codes for a user.
- Device Policies**: Configure user Device Policies.

6. Click **Client Applications** as shown below.

The screenshot shows the Broadsoft user configuration interface for the same account. The left sidebar now has "Client Applications" selected. The main content area is titled "Client Applications" and is divided into "Basic" and "Advanced" sections.

Basic

- Busy Lamp Field**: Allows monitoring user phone status via a SIP Attendant Console Phone.

Advanced

- None of the menu items in this category are enabled.

7. Click **Busy Lamp Field** to set up BLF List.

The screenshot shows the "Busy Lamp Field" configuration page. The left sidebar has "Client Applications" selected, and "Busy Lamp Field" is highlighted. The main content area is titled "Busy Lamp Field" and includes a description: "Busy Lamp Field allows you to create a list of users to monitor via your SIP Attendant Console Phone and assign a SIP URI to the list." Below the description are "OK", "Apply", and "Cancel" buttons.

List URI: sip: [] @ [broadsoftlab.com v]

Enable Call Park notification

Enter search criteria below

[User ID v] [Starts With v] [] [+] [Search]

Available Users | **Monitored Users**

Buttons between lists: Add >, Remove <, Add All >>, Remove All. Buttons below monitored list: Move Up, Move Down.

8. Enter the List URI, such as bLfl, this name must be the same as the name configured on the phone. Click **Search**, it will display all the numbers that can be monitored under **Available Users**, select the number you want to monitor and add it to the **Monitored Users** list. Click **OK** to apply the settings.

The screenshot shows the Broadsoft SIP Attendant Console interface. The top navigation bar includes the Broadsoft logo, the user group 'u9736722645', and links for 'Help - Home' and 'Welcome DevNet Sandbox [Logout]'. The main content area is titled 'Busy Lamp Field' and contains a sub-header: 'Busy Lamp Field allows you to create a list of users to monitor via your SIP Attendant Console Phone and assign a SIP URI to the list.' Below this are buttons for 'OK', 'Apply', and 'Cancel'. A 'List URI' field is set to 'sip: blf1 @ broadsoftlab.com'. There is an unchecked checkbox for 'Enable Call Park notification'. A search section titled 'Enter search criteria below' has dropdowns for 'User ID' and 'Starts With', a search button, and a plus sign. Below the search are two columns: 'Available Users' and 'Monitored Users'. The 'Available Users' list contains 12 entries, each with a user ID and name. The 'Monitored Users' list is currently empty. Between the lists are buttons for 'Add >', 'Remove <', 'Add All >>', and 'Remove All'. At the bottom of the 'Monitored Users' list are 'Move Up' and 'Move Down' buttons.

Configurations on Flyingvoice Phone

1. Login to the phone's web management page.

The screenshot shows the VoIP control panel web management page. The top navigation bar includes the VoIP logo, the title '... control panel', and links for 'Status', 'Network', 'Wireless', 'SIP Account', 'Phone', and 'Administration'. The top right corner displays 'Firmware Version V0.4.15', 'Current Time 2020-11-03 11:15:19', and 'Admin Mode [Logout] [Reboot]'. The main content area is divided into two columns. The left column has a 'Product Information' section with a table of details and a 'Line Status' section with a table of details. The right column has a 'Help' section with a 'Product Information' subsection and a 'Line Status' subsection.

Product Information	
Product Name	FIP14G
Internet (WAN) MAC Address	00:21:F2:22:B0:21
Hardware Version	V1.1
Loader Version	V0.0.10(Sep 21 2020 10:44:29)
Firmware Version	V0.4.15 (202010161704)
Serial Number	FLY11220100078

Line Status	
Line 1 Status	Registered 1009
Primary Server	192.168.20.25
Backup Server	192.168.20.25

2. Go to **Phone**->**Line Key**, select a Line Key and set up BLF List.

Key	Type	Line	Value	Label	Extension
Line Key1	Line	Line1			
Line Key2	BLF List	Line1			
Line Key3	Line	Line3			

3. Go to **SIP Account**->**Line1**->**SIP Advanced Setup**, enter the corresponding BLF List URI. Then save the settings.

SIP Advanced Setup

SIP Encrypt Type	Disable	RTP Encrypt Type	Disable
Country Code		Remove Country Code	Disable
Tel URL	Disable	Use Random SIP Port	Enable
Min Random SIP Port	50000	Max Random SIP Port	60000
Prefer Primary SIP Server	Disable	Hold SDP Attribute Inactive	Disable
BLF List URI	bLf1	BLF List Pickup Code	
Remove All Bindings	Disable	Enable SIP 100REL	Disable
VAD&CNG	Disable	Distinctive Ring Tones	Disable

4. Check the corresponding DSS Key on the phone, the LED indicator lights up and will change as the status of the monitored number changes.

