



## Cisco BroadWorks BLF List Configuration Guide



## Catalogue

I	Introduction .....	2
1.	Feature Introduction .....	2
II	Configuration Process .....	2
III	Configuration Operations .....	3
1.	Config Cisco BroadWorks .....	3
①	Log in to Cisco BroadWorks .....	3
②	Assign Services .....	5
③	Configure BLF list .....	6
2.	Configure IP phones .....	6
①	Configure BLF list .....	7
②	Configure Line Key .....	7
IV	Test Result .....	8

## I Introduction

### 1. Feature Introduction

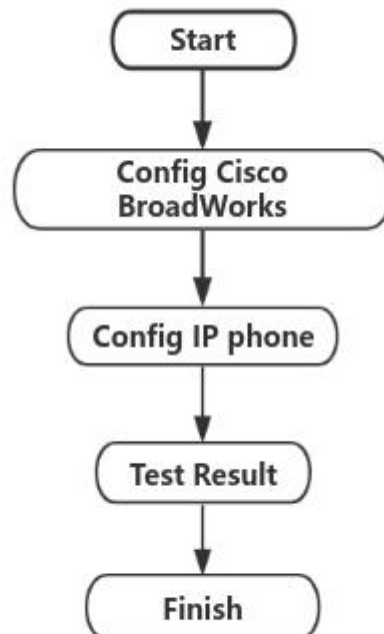
BLF is a function that monitors the status of other extension numbers by pre-configuring an idle indicator light on a certain phone. The configured indicator light will change in real time with the status of the monitored extension number. The indicator light will be based on the work of the monitored number. The status presents different states , generally including:

Indicator status	Corresponding extension number status
Steady green	idle
Red always on	Busy
Flashing red	There is an incoming call and it is ringing

BLF generally can only set one number to be monitored, but BLF List can set multiple numbers.

We can use BLF List to monitor multiple numbers at the same time on one phone. BLF List is more convenient and easy to use than BLF, which greatly improves the monitoring efficiency and work efficiency.

## II Configuration Process



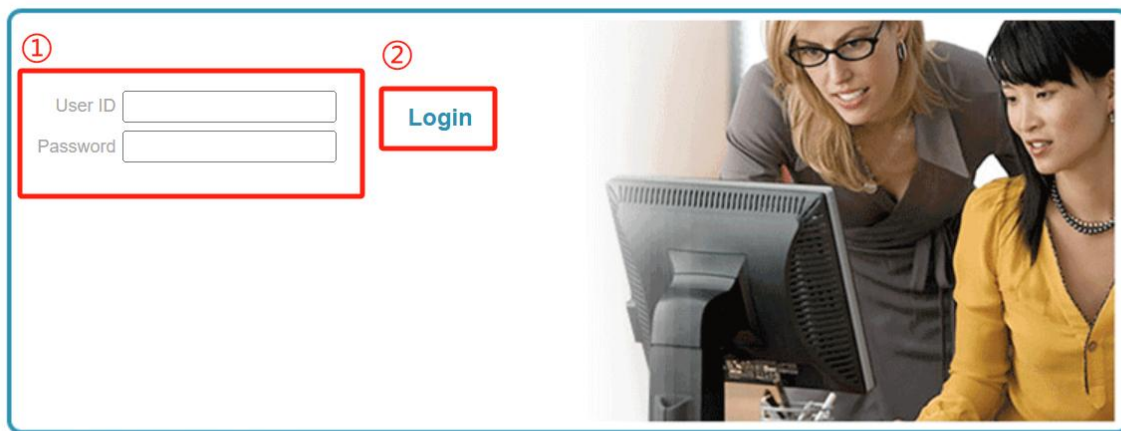
### III Configuration Operations

#### 1. Config Cisco BroadWorks

##### ① Log in to Cisco BroadWorks

###### Operation steps:

Enter the Cisco BroadWorks address in the browser -- 》 Enter the User ID and Password --》 Click Login--》 Login successful--》 Enter the user interface corresponding to the line you need to use.



Copyright © 2020 Cisco and/or its affiliates.  
PROPRIETARY AND CONFIDENTIAL - ALL USE MUST BE LICENSED.  
The code, technical concepts, all information contained herein and related documentation are the property of, proprietary to and are vested in Cisco Technology, Inc. and/or its affiliated entities, ("Cisco") under various laws including copyright, international treaties, patent, trade secret and/or contract.  
Any copying, dissemination, reverse engineering, disclosure or other use of the material contained herein without an express license from Cisco is prohibited and, among other legal consequences, constitutes an infringement of the intellectual property and the proprietary rights of Cisco.

All use of the material herein must be in strict accordance with the terms of the license you have entered into with Cisco. All rights not expressly licensed are reserved.

Enterprise	Welcome [Logout]	
<b>Options:</b> <ul style="list-style-type: none"> <li>▶ Profile</li> <li>Resources</li> <li>Services</li> <li>Call Center</li> <li>Communication Barring</li> <li>Meet-Me Conferencing</li> <li>Utilities</li> </ul>	<b>Profile</b> <b>Basic</b> <b>Groups</b> Add, modify, or remove groups. <b>Users</b> Display all users in the enterprise. <b>Service Instances</b> Display all service instances in the enterprise. <b>Profile</b> Display or modify profile information. <b>Change Password</b> Change your password. <b>Administrators</b> Add, modify, or remove administrators. <b>Departments</b> Add, modify, or remove departments. <b>Schedules</b> Add, modify, or remove schedules.	<b>Advanced</b> <b>Activation Code Device Onboarding Policies</b> Configure service provider/enterprise level Activation Code Device Onboarding Policies. <b>Call Processing Policies</b> Configure service provider/enterprise level Call Processing Policies. <b>Communication Barring Authorization Codes</b> Configure enterprise-level Communication Barring authorization codes. <b>Dial Plan Policy</b> Configure service provider/enterprise level Dial Plan Policy. <b>Voice VPN</b> Manage the enterprise virtual private network. <b>Virtual On-Net Enterprise Extensions</b> Manage Virtual On-Net Users. <b>Dialable Caller ID</b> Automatically prepend digits to the incoming caller ID of public calls so the caller ID is presented in dialable format. <b>STIR-SHAKEN</b> Configure STIR-SHAKEN signing, tagging, and verification.



- Options:
- Profile
  - Incoming Calls
  - Outgoing Calls
  - Call Control
  - Calling Plans
  - Messaging
  - Communication Barring
  - Utilities

## Profile

User interface

### 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.

#### Assign Xsi Policy Profile

Assign a Xsi policy profile for a user.

#### 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.



## ② Assign Services

Assign service to **monitor** .

### Operation steps:

Assign Services--》 Select the required Services (**Busy Lamp Filed** and **Diereted Call Pickup** )--》 Add--》  
The required Services appears in the box on the right--》 Apply.

Enterprise > Flying\_voice\_group1 > Users : 9725983507@iop1as.tekvizion.com Welcome

**Options:**

- ▶ Profile
- Incoming Calls
- Outgoing Calls
- Call Control
- Calling Plans
- Client Applications
- Messaging
- Communication Barring
- Utilities

### Profile

**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**

① **Assign Services**  
Assign or unassign services and service packs.

**Assign Xsi Policy Profile**  
Assign a Xsi policy profile for a user.

**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.

**Supervisor**  
Allows the user to manage which agents to supervise per call center.

## Assign Services

Assign Services allows you to assign or unassign services and service packs for a user. If a service or service pack is unassigned the service data that has been filled out will be lost.

OK Apply Cancel

**Available Service Packs**

Flyingvoice-service pack

Add >  
Remove <  
Add All >>  
Remove All <<

**User Service Packs**

**Available Services**

- Business Communicator Mobile - Audio
- Business Communicator Mobile - Video
- Business Communicator Tablet
- Business Communicator Tablet - Audio
- Business Communicator Tablet - Video
- ① **Busy Lamp Field**
- Call Center - Basic
- Call Center Monitoring
- Call Center - Premium
- Call Center - Standard
- Call Forwarding Always

② Add >  
Remove <  
Add All >>  
Remove All <<

**User Services**

- Authentication ③
- Call Transfer
- Connected Line Identification Presentation
- Directed Call Pickup
- External Calling Line ID Delivery
- Flexible Seating Guest
- Internal Calling Line ID Delivery
- N-Way Call
- Three-Way Call

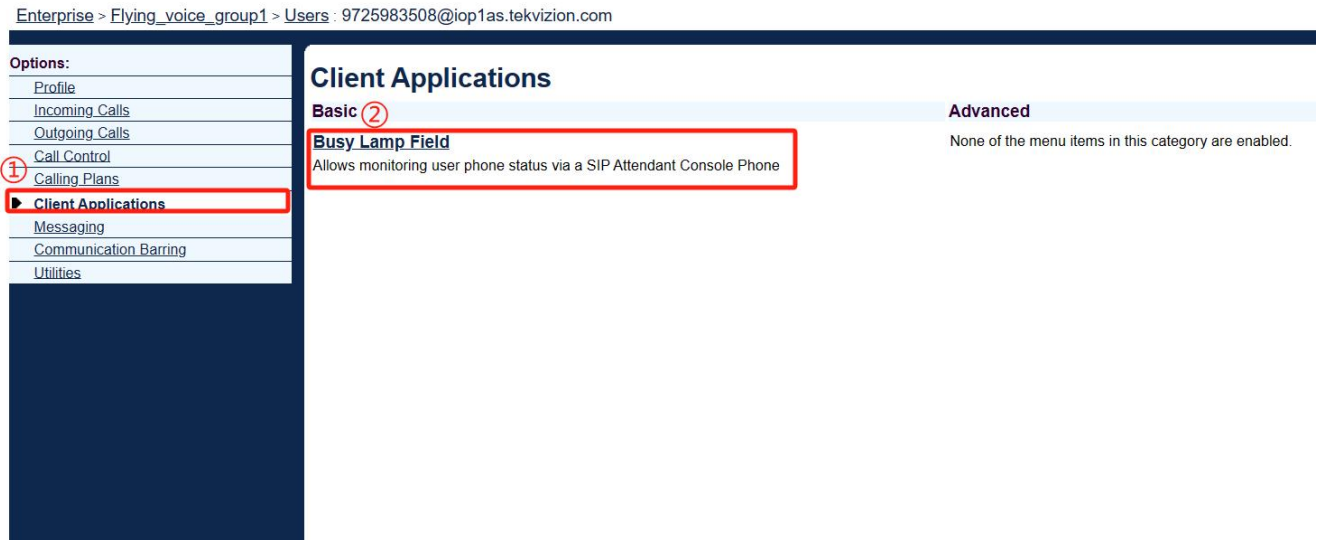
OK Apply Cancel



### ③ Configure BLF list

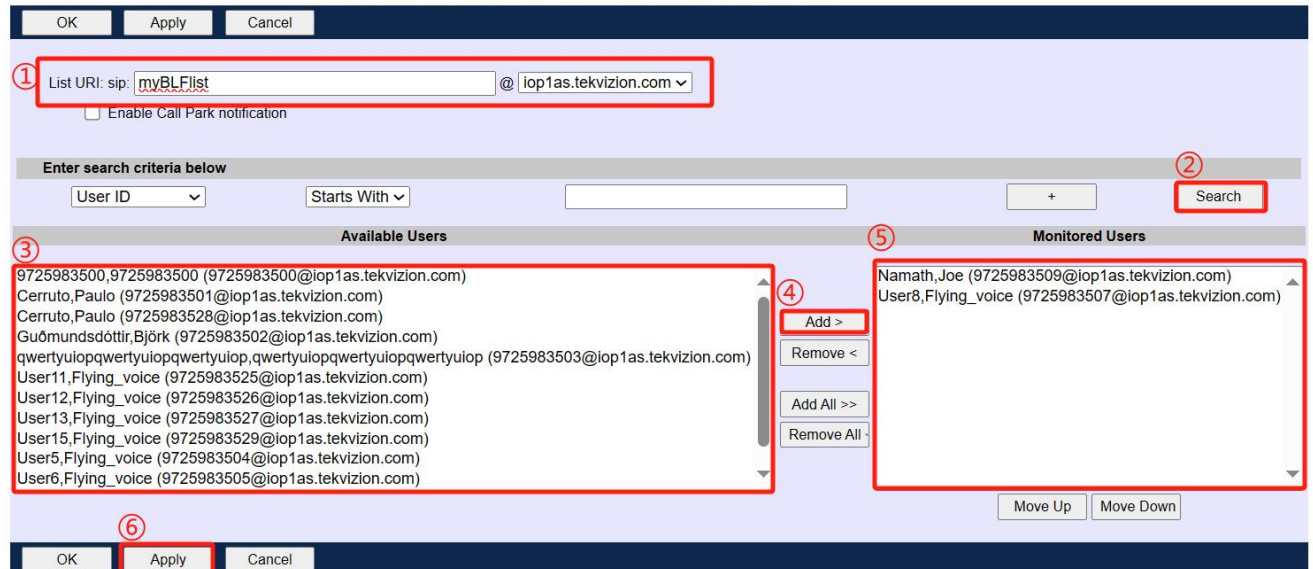
#### Steps:

Click **Client Application**--》**Busy Lamp Field**--》Customize a **List URI** . The URI can be customized at will, but it must be unique (important content, please make a record)--》Click **Search**--》All can be monitored. The extension number, select it--》Click **Add**--》The selected extension number appears in **Monitored User** on the right--》Click **Apply**.



#### Busy Lamp Field

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.



## 2、Configure IP phones

The monitor 's phone needs to be configured.

## ① Configure BLF list

### Operation steps:

SIP Account--> Line x--> Fill in the BLF List URI (previously set on Cisco Broadworks)-> Save and apply.

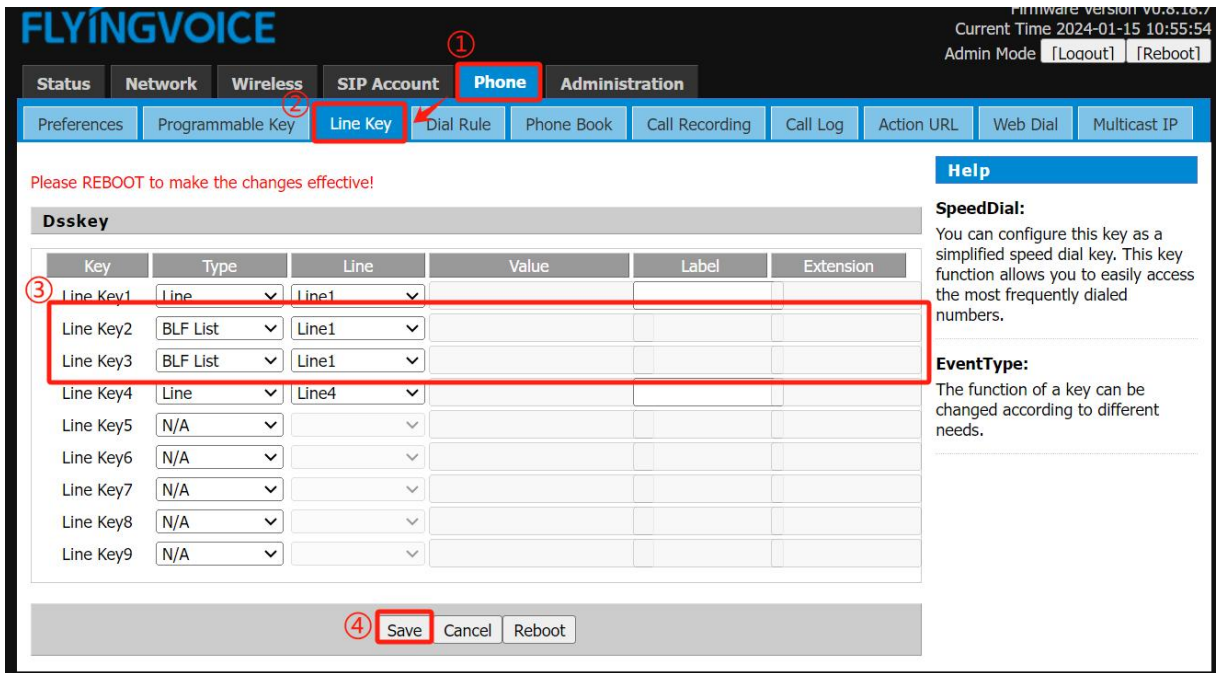
The screenshot shows the FLYINGVOICE web interface. At the top, there are navigation tabs: Status, Network, Wireless, SIP Account (selected), Phone, and Administration. Below these are sub-tabs for Line 1, Line 2, Line 3, Line 4, SIP Settings, VoIP QoS, and Ring. The main content area is divided into sections: Basic, Basic Setup, Subscriber Information, and RTP Advanced Setup. In the Basic Setup section, the BLF List URI field is highlighted with a red box and a circled '3', containing the value 'myBLFlist@iop1as.tek'. At the bottom of the interface, the 'Save & Apply' button is highlighted with a red box and a circled '4'. Other fields include Register Status (Registration Failed), Line Enable (Enable), Country Code, Tel URL (Disable), Min Random SIP Port (50000), Prefer Primary SIP Server (Disable), Remove All Bindings (Disable), Conference Type (Local Conference), VAD&CNG (Disable), Alert Info Tone (Disable), Return Code When Refuse (486(Busy Here)), User-To-User (Disable), Remove Country Code (Disable), Use Random SIP Port (Enable), Max Random SIP Port (60000), Hold SDP Attribute Inactive (Disable), BLF List Pickup Code, Enable SIP 100REL (Disable), Conference URI, Distinctive Ring Tones (Disable), Share Line Enable (Disable), Return Code When DND (480(Temporary)), UUI Content, and VQ RTCP-XR Collector.

## ② Configure Line Key

### Operation steps:

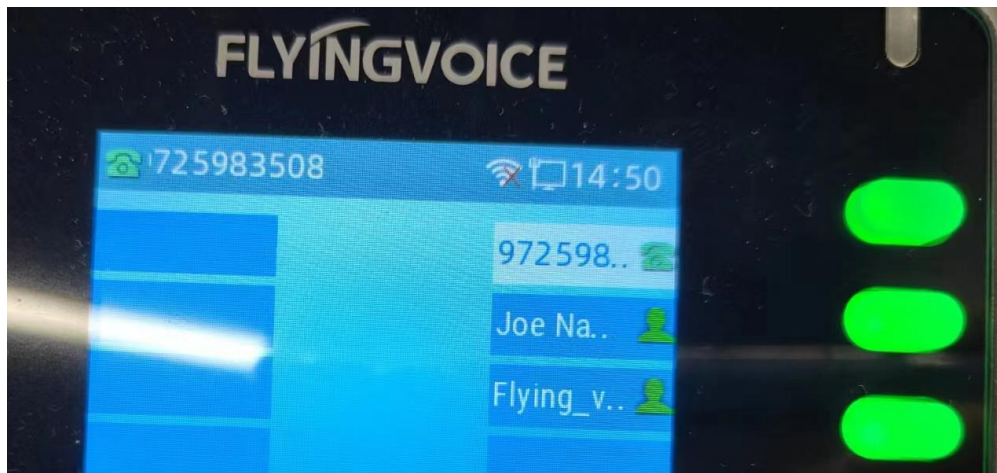
Phone--> Line Key--> Select type to BLF List, Fill in the Line as the monitor's account line--> Save.





## IV Test Result

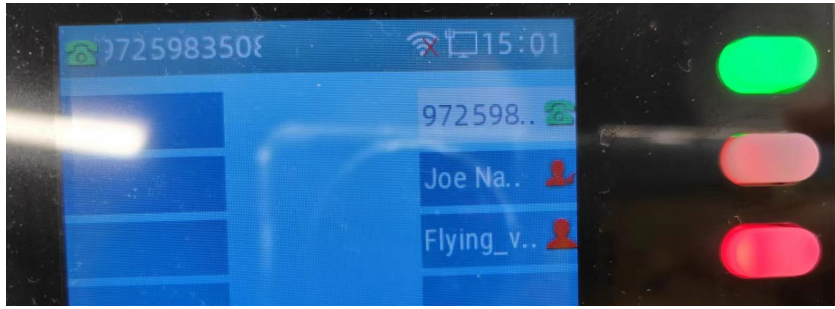
After successful configuration, the phone interface is as follows:



BLF list was tested using three numbers, monitor 3508, monitored1 3507, and monitored2 3509.

### Operation Steps:

1.3507 dial 3509 and 3509 ring . At this time, 3508 should be displayed as follows (In monitor's phone,the indicator lamp corresponding to 3509 flashing in red, the indicator lamp of 3507 is always on red) :



2.3509 pick up, at this time, 3508 should be displayed as follows (In the monitor's phone, the indicator lamp corresponding to 3507, 3509 is always on the red) :

