



Using Busy Lamp Field (BLF) List on Yealink IP Phones with BroadSoft UC One



WWW.YEALINK.COM

Document Revision History

Version	Change Log
1.0	Edited and published document.

Requirements for BroadWorks and IP phone

BroadWorks (UC ONE) software version:

R17.0/R17.sp1/R17.sp2/R17.sp3/R17.sp4

R18.0/R18.sp1

R19.0/R19.sp1

Firmware version on IP Phones:

T19(P): 31.71.xx.xx

T20(P): 9.71.xx.xx

T21(P): 34.71.xx.xx

T22(P): 7.71.xx.xx

T26(P): 6.71.xx.xx

T28(P): 2.71.xx.xx

T42(G):29.71.xx.xx

T46(G):28.71.xx.xx

W52P: Not supported

VP530&T32&T38: Please check the last page of this document for the detail.

You will learn

- ① **Application Scenarios**
- ② **Configuration on BroadWorks&BTBC**
- ③ **Configuration on Yealink phone**
- ④ **Feature show**

① Application scenarios

Busy Lamp Field (BLF) List allows a list of specific extensions to be monitored for status changes, Different indicators on the monitoring phone show the status of monitored users(such as busy, idle, incoming call etc.). The monitoring user can also be notified about calls being parked/no longer parked against any monitored user.

Related Key Features :

Speed dial :Dial the monitored user when it is in idle

Directed Pick up :Help to pick up the incoming call when the monitored user can't be able to answer incoming call

BLF Barge-in :If you need to join the current call of monitored number ,you can press the BLF list key to set up a conference call

② Configuration on BroadWorks

1. To assign the BLF service to an user

Configuration Path: Group->User->Profile->Assign Services

Group > **Users : 2413333595** ①

Options:

- Profile** ②
 - Incoming Calls
 - Outgoing Calls
 - Call Control
 - Calling Plans
 - Client Applications
 - Messaging
 - Service Scripts
 - Utilities

Assign Services

 ③
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 fil

OK Apply Cancel

Available Service Packs	User Service Packs

Available Services

- Advice Of Charge
- Anonymous Call Rejection
- Attendant Console
- Automatic Callback
- Barge-in Exempt
- Basic Call Logs
- Bria For BroadWorks
- BroadWorks Anywhere
- BroadWorks Assistant - Enterprise
- BroadWorks Connector for Lotus Sametime
- BroadWorks Mobility

Add > Remove < Add All >> Remove All

User Services

- Alternate Numbers
- Authentication
- Automatic Hold/Retrieve
- Busy Lamp Field** ④
- Call Forwarding Always
- Call Forwarding Busy
- Call Forwarding No Answer
- Call Forwarding Not Reachable
- Call Forwarding Selective
- Calling Line ID Blocking Override
- Calling Line ID Delivery Blocking

② Configuration on BroadWorks

2. To configure BLF List for the user

Configuration Path: Group->Users->Client Applications->Busy Lamp Field

Group > **Users : 2413333595** ①

- Options:
- Profile
- Incoming Calls
- Outgoing Calls
- Call Control
- Calling Plans
- Client Applications** ②
- Messaging
- Service Scripts
- Utilities

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.

OK Apply Cancel

List URI: sip: **blf_3595** ③ @ as.yealink.com

Enable Call Park notification

Enter search criteria below

User ID

Starts With

Choose the account which you want to monitor

Available Users

- 2413333591, 2413333591 (2413333591)
- Test_T21, Test_T21 (Test_T21)
- Thorsten, Holtkaemper (2413333597)
- yealink, 2413333592 (2413333592)
- yealink, 2413333593 (2413333593)

Add >
Remove <
Add All >>
Remove All

Monitored Users

- yealink, 3596 (2413333596)** ④
- yealink, 3594 (2413333594)**
- yealink, 3598 (2413333598)**
- yealink, 3599 (2413333599)**

Move Up Move Down

② Configuration on BroadWorks

3. Check the Call Pickup/Barge-in code:

Configuration Path: Group->User->Utilities->Feature Access Codes

Group -> Users : 2413333595

①

Options:

[Profile](#)

[Incoming Calls](#)

[Outgoing Calls](#)

[Call Control](#)

[Calling Plans](#)

[Client Applications](#)

[Messaging](#)

[Service Scripts](#)

► [Utilities](#)

②

Feature Access Codes

③

Feature Access Codes list the star codes for services that you have. To activate a service, hit the * key and phone number, but you are prompted for that information. You cannot change your feature access codes.

OK

*34 Advice Of Charge Activation
*77 Anonymous Call Rejection Activation
*87 Anonymous Call Rejection Deactivation
52 Anonymous Call Rejection Interrogation

*65 Calling Line ID Delivery per Call
*68 Call Park
*88 Call Park Retrieve
*98 Call Pickup
*44 Call Recording
*11 Call Retrieve

*97 Directed Call Pickup
*33 Directed Call Pickup with Barge-in
*55 Direct Voice Mail Transfer
*80 Diversion Inhibitor

③ Configuration on Yealink IP Phones

3 ways to configure BLF list on IP Phones:

Access Portal	Availability	How to access?
Phone LCD portal	Not Available	NA
Web portal	Available	Log in by IP address: *Username/password are admin/admin by default
Auto Provisioning	Available	Use DMS or 3 rd party provision tool

③ Configuration on Yealink IP Phones

##1 Configure the BLF list URI (a SIP URI, or use part of the SIP URI). For example, "2300_blflist@domain.com" or "2300_blflist".##
account.1.blf.blf_list_uri = %BWBLF-URI-1%
account.1.blf_list_code = %BWFAC-DIRECTED-CALL-PICKUP-1%
account.1.blf_list_barge_in_code = %BWFAC-DIRECTED-CALL-PICKUP-WITH-BARGE-IN-1%

##2 Enable or disable the phone to automatically configure the BLF list keys.
##0-Disabled 1-Enabled The default value is 1.##

phone_setting.auto_blf_list_enable = 1

##3 Specifies the order of BLF list keys assigned automatically:

"0" : Line Key->Memory Key->Ext Key

"1" : Ext Key->Memory Key->Line Key The default is 0.##

phone_setting.blf_list_sequence_type = 0






③ Configuration on Yealink IP Phones

1. Go to page **Account** → **Advanced**.

Enter the BLF List URI in the **BLF List URI** field.

[Optional]

Enter the pickup code in the **BLF List Code** field. Enter the barge-in code in the **BLF List Barge In Code** field. (Refer to page 7 for access codes.)

BLF List URI	<input type="text" value="blf_3595"/>	
BLF List Pickup Code	<input type="text" value="*98"/>	
BLF List Barge In Code	<input type="text" value="*33"/>	
Shared Line	<input type="text" value="Disabled"/>	
Dialog-Info Call Pickup	<input type="text" value="Disabled"/>	
Direct Call Pickup Code	<input type="text"/>	

④ Notes

Configure BLF list : Line/DSS key light or not in idle status

“0” : Line /DSS key display solid green in idle status.

“1” : Line/DSS key don't display in idle status. (The default mode.)

features.blf_led_mode =1

Configure via Web :

Browser to **Features** → **General Information**:

Diversion/History-Info	Enabled	?
LED Off in Idle	Disabled	?
Auto-Logout Time(1~1000min)	5	?

④ Notes

Firmware version on IP Phones:

T32(G): 32.70.xx.xx

T38(G): 38.70.xx.xx

VP530: 23.70.xx.xx

The V70 firmware auto configure BLF List on the available Line Keys while the V71 firmware can choose to configure manually

V70 auto template as follows:

#Configure the BLF list URI (a SIP URI, or use part of the SIP URI). For example, "#2300_blflist@domain.com" or "2300_blflist".

account.1.blf.blf_list_uri = %BWBLF-URI-1%

account.1.blf_list_code = %BWFAC-DIRECTED-CALL-PICKUP-1%

account.1.blf_list_barge_in_code = %BWFAC-DIRECTED-CALL-PICKUP-WITH-BARGE-IN-1%

#memorykey.x.line--Configure the desired line to apply the key feature. Line value ranges from 0 to 6

memorykey.1.line =

#39 mean BLF list

memorykey.1.type = 39

Enjoy the BLF List feature😊