

## Yealink SIP IP Phones Release Note of Version 71

### 1. Introduction

- Firmware Version:
  - T28: 2.71.0.140 Upgrade to 2.71.0.165
  - T26: 6.71.0.140 Upgrade to 6.71.0.165
  - T22: 7.71.0.140 Upgrade to 7.71.0.165
  - T20: 9.71.0.140 Upgrade to 9.71.0.165
- Applicable Models: SIP- T28/T26/T22/T20
- Release Date: November 24, 2013

### 2. New Features

There is no new Features added on the new commercial version.

### 3. Optimization

1. Optimized the feature of Broadworks XSI Password Authentication.
2. Optimized the feature of Prefix.

### 4. Bug Fixes

1. Fixed the issue that the user could hear two ring-back tones when the phone received both SIP 180 and 183 message.
2. Fixed the probabilistic issue that the BLF List indicators didn't flash when using BLF List feature.
3. Fixed the issue that the configured timeout was invalid when the SIP phone downloading the XML file.
4. Fixed the issue that the phone had no response when accessing the XML browser.
5. Fixed the issue that the phone status wasn't displayed on the LCD screen when pushing XML objects to the phone.
6. Fixed the issue that the syslog could also be exported to specified server when configuring the Export Syslog mode as local.

7. Fixed the issue that the Network Link speed was relegated to 10Mbps when connecting the PC to the SIP Phone.
8. Fixed the issue that users couldn't exit from the XSI web access password interface when pressing the "X" key on the T22 SIP Phone.

## 5. Optimization description

### 1. The description about Broadworks XSI Password Authentication:

No matter how many XSI authentication messages need to be send, the phone will send one authentication to the server at a time, and judges the authentication result every time, if the authentication is successful, then it will continue the next authentication, if the authentication is failed or the server do not return the result, the phone will not send the next authentication message. When the authentication is failed the phone will shut down the XSI authentication function immediately until user change the XSI password and make a successful authentication.

**Note:** To shut down the XSI authentication means that the phone will no longer send the authentication information or update the network any more. If the user want to use XSI function it will popup up a window and ask the user to input a new XSI password.

### 2. The description about the DSS Key type of prefix:

User can use this key feature to add a specified prefix number before the dialed number.

**Dependencies:** *Type (Key Event)*

*Key Type (Prefix)*

*Value (the prefix number)*

**Improvement:** The Prefix DSS Key can now be used with other DSS Keys, for example, a DSS Key is configured as "Prefix" which its value is "8600", and the other one is configured as "Speed Dial" which its value is "158806", then if the user pressing the Prefix DSS Key firstly and pressing the Speed Dial DSS Key as follow, the phone will dial out the number as "8600158806".

## Yealink SIP IP Phones Release Note of Version 71

### 1. Introduction

- Firmware Version:
  - T28: 2.71.0.130(Beta) Upgrade to 2.71.0.140(Business)
  - T26: 6.71.0.130(Beta) Upgrade to 6.71.0.140(Business)
  - T22: 7.71.0.130(Beta) Upgrade to 7.71.0.140(Business)
  - T20: 9.71.0.130(Beta) Upgrade to 9.71.0.140(Business)
- Applicable Models: SIP- T28/T26/T22/T20
- Release Date: September 24, 2013

### 2. New Features

There is no new Feature added on the new commercial version.

### 3. Optimization

1. Optimized the feature of SRTP.

### 4. Bug Fixes

1. Fixed the issue that the web interface and LCD screen are failed to change the display name of "Anonymous Call" to "Send Anonymous".
2. Fixed the issue that the LED lamp display abnormal when user setting the Dsskeys as BLF while connecting two EXP.
3. Fixed the issue that the IP Phone Automatic restarted probably when user setting the Dsskeys as BLF while connecting two EXP.
4. Fixed the issue that the T2X series didn't receive the CFG files during RPS Auto provision.
5. Fixed the issue that the IP Phone didn't make a call to the Voice mail when user pressing the message key.
6. Fixed the issue that T26 was always ringing warning tone with "beep".
7. Fixed the issue that T20 didn't update the text logo during auto provisioning.
8. Transfer the Pace feature to the page of settings on the web interface.

9. Fixed the issue that the main speaker didn't synchronize the Call information on the LCD screen during Transfer among the T2X series.
10. Fixed the issue that some of the T2X series SIP phones failed to Auto Provision on the version of V71.
11. Fixed the issue that the V71-AES KEY was enable by default.
12. Added the configuration of Key Tone on the LCD.
13. Fixed AES function that Common and MAC-oriented CFG files need different decrypt files, and only when they are encrypted, they download decrypt files.
14. Fixed the issue that the length of the user's password has been changed to 100 characters during configuring the auto provision file.
15. Fixed the issue that the IP Phone usually rebooted when LLDP was enable.

## Yealink SIP IP Phones Release Note of Version 71

### 1. Introduction

- Firmware Version:
  - T28: 2.71.0.125(Beta) Upgrade to 2.71.0.130(Beta)
  - T26: 6.71.0.125(Beta) Upgrade to 6.71.0.130(Beta)
  - T22: 7.71.0.125(Beta) Upgrade to 7.71.0.130(Beta)
  - T20: 9.71.0.125(Beta) Upgrade to 9.71.0.130(Beta)
- Product Name: SIP-T28/T26/T22/T20
- Release Date: August 2th , 2013

### 2. BUG Fixed

1. Fixed the bug of user agent.
2. Fixed the inconsistent sequence of Codec between T22 and T20/T26/T28.
3. Fixed the issue that phone will get stuck if the translation of Line attribute is too long.

## Yealink SIP IP Phones Release Note of Version 71

### 1. Introduction

- Firmware Version:
  - T28: 2.71.0.120(Beta) Upgrade to 2.71.0.125(Beta)
  - T26: 6.71.0.120(Beta) Upgrade to 6.71.0.125(Beta)
  - T22: 7.71.0.120(Beta) Upgrade to 7.71.0.125(Beta)
  - T20: 9.71.0.120(Beta) Upgrade to 9.71.0.125(Beta)
- Product Name: SIP-T28/T26/T22/T20
- Release Date: July 23th , 2013

### 2. BUG Fixed

1. Fixed the display issue of user agent on T26/T22/T20.
2. Fixed the issue that Auto Answer Delay configuration can't be changed via Auto provisioning.
3. Fixed the silence issue when hold and then resume the call during Transfer.
4. Fixed the issue that contacts can't be added when the translation of Line is too long.
5. Fixed the issue that Logo in Web UI doesn't have hyperlink.

## Yealink SIP IP Phones Release Note of Version 71

### 1. Introduction

- Firmware Version:
  - T28: 2.71.0.110(Beta) Upgrade to 2.71.0.120(Beta)
  - T26: 6.71.0.110(Beta) Upgrade to 6.71.0.120(Beta)
  - T22: 7.71.0.110(Beta) Upgrade to 7.71.0.120(Beta)
  - T20: 9.71.0.110(Beta) Upgrade to 9.71.0.120(Beta)
- Product Name: SIP-T28/T26/T22/T20
- Release Date: July 12th , 2013

### 2. Optimization

1. Optimized maximum of Local Phonebook entries from 300 to 1000.
2. Optimized rule for the Line ID while Auto Provisioning.

### 3. Optimization description

#### 1. Optimized maximum of Local Phonebook entries from 300 to 1000.

**Description:** Optimized maximum of Local Phonebook entries from 300 to 1000.

#### 2. Optimized rule for the Line ID while Auto Provisioning.

**Description:** On V71 early version(before x.71.0.120), 0 means the first line, 1 means the second line, 2 means the third line, etc.

On x.71.0.120, 0/1 means the first line, 2 means second line, 3 means the third line, etc.

After change, the syntax of version x.71.xx.xx is the same as old version (x.70.xx.xx or x.6X.xx.xx). Below is the value of Line ID on different versions.

<b>Model \ Line</b>	<b>Line 1</b>	<b>Line 2</b>	<b>Line 3</b>	<b>Line 4</b>	<b>Line 5</b>	<b>Line x</b>
Value on V6X and V70	1	2	3	4	5	x
Value on V71 early version	0	1	2	3	4	x
Value on x.71.0.120	0/1	2	3	4	5	x

## Yealink SIP IP Phones Release Note of Version 71

### 1. Introduction

- Firmware Version:
  - T28: 2.70.0.120 Upgrade to 2.71.0.110(Beta)
  - T26: 6.70.0.120 Upgrade to 6.71.0.110(Beta)
  - T22: 7.70.0.120 Upgrade to 7.71.0.110(Beta)
  - T20: 9.70.0.120 Upgrade to 9.71.0.110(Beta)
- Product Name: SIP-T28/T26/T22/T20
- Release Date: June 15th , 2013

### 2. New Features

1. Added Auto Provision configuration to enable/disable Group Listening feature.
2. Added functional verification for Reset to Factory feature.
3. Added Reboot in talking configuration in Web UI.
4. Added DHCP Hostname configuration in Web UI.
5. Added Auto Provision configuration to enable/disable automatic configuration of BLF List.
6. Added the feature that the phone identifies Alert-Info header field for BroadWorks platform.
7. Added the Anywhere feature for BroadWorks platform.
8. Added the Caller ID feature for BroadWorks platform.
9. Added the Meet-me conference feature for BroadWorks platform.
10. Added the Remote Office feature for BroadWorks platform.
11. Added the Simultaneous Ring Personal feature for BroadWorks platform.
12. Added dynamic getting Ipv6 feature.
13. Added dynamic getting VLAN feature.
14. Added Backup SIP server feature.
15. Added DNS Cache feature.
16. Added Tr069 feature.
17. Added intelligent search in directory list (Directory Interface/Dialing



interface/Pre-Dial Interface).

18. Added the “Abc” IME when searching directory, “Abc” IME mean first letter automatic Capitalization.

### **3. Optimization**

1. Optimized the type of Line in Dsskey: Deleted the Auto type and set Line 1 as default.
2. Optimized Network Directory interface: Optimized user experience in Web UI.
3. Optimized the display of Network Directories on the LCD screen: Moved the Department to Detail option.
4. Optimized Network Directory: Added Auto Provision configuration to configure the display name of Group Common and Enterprise Common.
5. Optimized the translation of Directory: Changed Favorite into Directory.
6. Optimized Reset to Factory feature: Added Auto Provision configuration whether Reset to Factory interface can be accessed into by long pressing OK button.
7. Optimized port: Added PC Port Active configuration in Web UI.
8. Optimized Interval (Minutes) configuration: Changed 60 into 1400 as default.
9. Optimized certificate feature: Added 30 CA certificates and one Device certificate in factory settings.
10. Optimized login interface in Web UI: Added the model information of phone.
11. Optimized logo in Web UI: Added model information of phone behind the LOGO.
12. Optimized keypad lock: Deleted the type of Lock& Auto Answer.
13. Optimized Voice Mail: Moved Voice Mail configuration from Basic to Advanced interface of Account.
14. Optimized Web Server Type: Optimized HTTP & HTTPS configuration.
15. Optimized Block XML In Calling option: Optimized user experience in Web UI.
16. Optimized Tones: Deleted Record tone configuration in Web UI.
17. Optimized Server Certificate: Added the display of Device Cert status on LCD.
18. Optimized the BLF List feature of BroadWorks.
19. Optimized BLF: Deleted BLF Notify Type.
20. Optimized the Call Center feature for BroadWorks.
21. Optimized the directory feature of BroadWorks.
22. Optimized the Forward Diversion feature of BroadWorks.
23. Optimized the Call Park feature of BroadWorks.

24. Optimized the search feature of directory list searching.
25. Optimized the favorite setting of contacts.
26. Optimized the option of custom searching source.
27. Optimized the setting of Dsskey.
28. Optimized Dsskey feature: Added the support of LDAP and network call log in Programmable Key.
29. Optimized the WEB UI: The WEB UI is adjusted to unify the WEB interface with the T3x phones. Important change: The primary Phone page is replaced by the Features Page and the Upgrade page is replaced by Setting page.

#### **4. BUG Fixed**

1. Fixed the issue that special character ("!") isn't supported in SIP password.
2. Fixed the issue that DHCP Option 66 doesn't work.
3. Fixed the issue that Hold can't be recovered when using DNS-SRV redundancy server.
4. Fixed no voice issue after Call Pickup.
5. Fixed the issue that message1 can't be exported when exporting syslog.
6. Fixed the 802.1x authentication issue when VLAN is enabled.
7. Fixed the secondary encryption issue when reset to factory.
8. Fixed the no voice issue when the second incoming call comes (Using Ring Group feature on Asterisk).
9. Fixed the issue that doesn't response to the option message from Asterisk server.
10. Fixed the issue that DNS-SRV Registration Failover can't be switched by Weight/Priority.
11. Fixed the issue that phone doesn't send Un-Register message to server to log off when reset to factory.
12. Fixed the issue that transfer failed message will not be displayed when parking call into the same SP0.
13. Fixed the issue that Session Timer can't be filled with four figures.
14. Fixed the issue that two calls end when DUT press Call Park Retrieve button.
15. Fixed the authentication invalidated issue when redirecting to the URL with authentication.
16. Fixed the spelling mistakes of Note on Web UI→Upgrade→Advanced.

17. Fixed upgrade failed issue when using HTTP Auto Provision and the leak issue of HTTPS authentication.
18. Fixed the issue that first digit can't be distinguished in a call when entering password quickly.
19. Fixed the issue that call can't be picked up at once by using handset.
20. Fixed the issue that auto provision fails by using URL got by DHCP option43.
21. Fixed the 200 OK messages issue with two Contact header fields when registering the account.
22. Fixed the issue that wireless headset can't be synchronized to ring when call is initialized by HTTP instruction.
23. Fixed the non-unified HTTP format of Action URI.
24. Fixed the issue that BLF List packets can't be received when monitoring multiple accounts.
25. Fixed the one-way voice issue when using SRTP/TLS.
26. Fixed the issue that TLS coming call can't be picked up.
27. Fixed reboot issue when entering some digits and then pressing Cancel button.
28. Fixed the issue that multiple ringtone can't be uploaded once by auto provisioning.
29. Fixed the issue that the name of calling party can't be got and then refresh the interface.
30. Fixed the issue that configuration in the mac.cfg can't be updated after upgrade.
31. Fixed the security issue that Username/Password can be seen in syslog.
32. Fixed the issue that Tones feature can't work well.
33. Fixed the no voice issue in handset of T20.
34. Fixed the issue that call can't be held by the softphone.
35. Fixed the issue of BLF List indicator light.
36. Fixed the reboot issue when the phone receives the NOTIFY with check-sync and reboot=true.
37. Fixed the registration issue when re-obtaining IP address.
38. Fixed the issue that number can't be dialed via using Send button in LDAP interface.
39. Fixed the issue that call can't be made in LDAP interface.
40. Fixed the issue that number can't be dialed via using #/OK button in LDAP interface.
41. Fixed the incompatible issue with the type of Avaya-cm-alert-type.

42. Fixed the issue that contact information in Local Phone Book disappears after turning off the power.
43. Fixed three-way conference failed issue on Nordata MCM.
44. Fixed the issue that sound of the first call will be louder when receiving another incoming call.
45. Fixed transfer failed issue in Zultys.
46. Fixed the issue that the format of date can't be changed.
47. Fixed the wrong label display issue when picking up the handset.

## 5. Description to the new added features

### 1. Added Auto Provision configuration to enable/disable Group Listening feature.

**Instruction:** If "Group Listening feature" is enabled, when you are listening by handset or microphone during a call, you can press handsfree to listen both on handset (or microphone) and handsfree.

- The configuration of Auto Provision: features.group\_listen\_in\_talking\_enable =
- 1- Enable (default), 0- Disable.

### 2. Added functional verification for Reset to Factory feature.

**Instruction:** Long press OK button to access Reset to Factory interface, press OK. If you enable this feature, you will access into the interface like below. You need to enter the correctly password to complete this action. If you disable this feature, phone will reset to factory immediately.

- The configuration of Auto Provision: features.factory\_pwd\_enable =
- 0- Disable (default), 1- Enable.

Please Enter Password

1. UserName: admin

2. Password:

Cancel OK

### 3. Added Reboot in Talking configuration in Web UI.

**Instruction:** Allow to forcibly reboot the phone during a call when the phone received a reboot message by Action URI if this configuration is enabled.

**Path:** Web UI→Features→General Information→Reboot in Talking.

- 0- Disable (default), 1- Enable.

The screenshot shows the Yealink T28 Web UI. The 'Features' tab is selected, and the 'General Information' sub-tab is active. The 'Reboot In Talking' option is highlighted with a red box and is currently set to 'Disabled'. Other settings include 'Call Waiting' (Enabled), 'Auto Redial' (Disabled), 'Auto Redial Interval' (10), 'Auto Redial Times' (10), 'Key As Send' (#), 'Reserve # in User Name' (Enabled), 'Hotline Number' (empty), 'IP Direct Auto Answer' (Disabled), 'Call List Show Number' (Disabled), 'Voice Mail Tone' (Enable), and 'DHCP Hostname' (SIP-T28P). A 'NOTE' section on the right provides details about 'Call Waiting', 'Key As Send', and 'Hotline Number'.

#### 4. Added DHCP Hostname configuration in Web UI.

**Instruction:** Phone updates the Hostname to DHCP server via DHCP Option 12.

**Path:** Web UI →Features→General Information→DHCP Hostname.

- The default hostname of T20/T22/T26/T28:

T20 hostname: SIP-T20P, T22 hostname: SIP-T22P,

T26 hostname: SIP-T26P, T28 hostname: SIP-T28P.

The screenshot shows the Yealink T28 web interface. The 'Features' tab is selected. Under 'General Information', the following settings are visible:

- Call Waiting: Enabled
- Call Waiting On Code: [Empty]
- Call Waiting Off Code: [Empty]
- Auto Redial: Disabled
- Auto Redial Interval (1~300s): 10
- Auto Redial Times (1~300): 10
- Key As Send: #
- Reserve # in User Name: Enabled
- Hotline Number: [Empty]
- Hotline Delay(0~10s): 4
- Busy Tone Delay (Seconds): 0

Below these settings, there is a section for 'Voice Mail Tone' (Enabled) and 'DHCP Hostname' (SIP-T28P), which is highlighted with a red box. The 'Reboot In Talking' setting is Disabled. At the bottom are 'Confirm' and 'Cancel' buttons.

**NOTE**

**Call Waiting**  
This call feature allows your phone to accept other incoming calls during the conversation.

**Key As Send**  
Select \* or # as the send key.

**Hotline Number**  
When you pick up the phone, it will dial out the hotline number automatically.

## 5. Added Auto Provision configuration to enable/disable automatic configuration of BLF List.

**Instruction:** After the phone configures with BLF List URI, Dsskey in idle will be filled with BLF list automatically and continuously when this feature is enabled.

- The configuration of Auto Provision: phone\_setting.auto\_blf\_list\_enable =
- 1- Enable (default), 0- Disable.
- To configure the priority of Dsskey when it is filled with BLF List:

phone\_setting.blf\_list\_sequence\_type =

0-The priority order is Linekey, Memory and EXP (default).

1-The priority order is EXP, Memory and Linekey.

## 6. Added the phone identify Alert-Info header field for BroadWorks platform

**Instruction:** The header Alert-Info is used for realizing the priority-ring feature in BroadWorks platform, according the Preconfigured rules, the server will send the invite message which contains alert-info header to callee. In V71, the Yealink phones will identify alert-info header and play custom ringtone according the value of alert-info.

## 7. Added the Anywhere feature for BroadWorks platform.

**Instruction:** BroadWorks Anywhere feature makes users able to do the following in any place:

- Calling extension from Mobile phones.
- Switching the call from Mobile phone to Desktop phone.
- Switching the call from Desktop phone to Mobile phone.
- Enabling/Disabling the simultaneous ringing feature.

**Path :** Menu→Call Control→Anywhere.

## 8. Added the Caller ID feature for BroadWorks platform.

**Instruction:** The anonymous call feature can be realized by synchronizing the configuration between the phone and the server.

1. Users can have flexible and fast control of whether to hide their CIDs(Caller ID), whether to see the incoming caller ID.

2. The user B shows “anonymous” when caller A hides his CID. (The translation of “anonymous” may not be localized, please contact Yealink support if necessary.)

## 9. Added the Meet-me conference feature for BroadWorks platform.

**Instruction:** One key login Meet-me conference feature make users Login in a conference fast and easy. There is no waiting for the DTMF time. To use this feature, you can set the DSS Key to Conference ID and enter the PIN.

**Path:** Menu→Features→DSS Keys→Memory Keys or Line Keys.

#### 10. Added the Remote Office feature for BroadWorks platform.

**Instruction:** Yealink have developed the Remote office feature for the BroadSoft Platform. It makes users able to realize remote office working. After setting the private phones (for example, mobile phone, home telephone or hotel telephone) to remote phone number, you can remotely use office phone number to dial and answer the call via private phones.

**Path:** Menu→Call Control→Remote Office.

#### 11. Added the Simultaneous Ring Personal feature for BroadWorks platform.

**Instruction:** Simultaneous Ring Personal feature realizes simultaneous ring between the remote phone and office phone when there is an incoming call.

**Path:** Menu→Call Control→Simultaneous Ring Personal.

#### 12. Added dynamic getting Ipv6 feature.

**Instruction:** Added dynamic getting Ipv6 feature, it automatically configures ICMPv6 if no status .

**Path:** Web UI→Network→Basic.

**New options:** Mode(IPv4/IPv6): IPv4,IPv6,IPv4&IPv6 (default setting is IPv4&IPv6)



**Yealink** Log\_Out

Status Account **Network** Dsskey Features Settings Contacts Security

Basic  
PC Port  
Advanced

**Internet Port**

Mode(IPv4/IPv6) IPv4

**IPv4 Config**

☒ DHCP ?

☐ Static IP Address ?

IP Address

Subnet Mask

Default Gateway

Primary DNS 208.67.222.222

Secondary DNS 208.67.220.220

**NOTE**

**network-note-DHCP**

The network configurations will be acquired from DHCP server.

**network-note-staticIP**

Set the IP address, Subnet Mask, Default Gateway, Primary DNS, Secondary DNS manually.

**network-note-PPPoE**

Contact your ISP if it should be used.

### 13. Added dynamic getting VLAN feature.

**Instruction:** In V70, the phone only support gets VLAN by LLDP and put the value of VID and Priority into VLAN parameters which were manually configurated. We added DHCP option to get VLAN in new version 71, and separate the LLDP and manually setting VLAN methods.

**Path:** Web UI→Network→Advanced.

**New options:** DHCP VLAN Active (default enabled), Option (default 132).

**Yealink** Log\_Out

Status Account **Network** Dsskey Features Settings Contacts Security

Basic  
PC Port  
Advanced

**LLDP** ?

Active Enabled

Packet Interval 120 (Scope:1~3600s)

**VLAN** ?

**Internet Port**

Active Enabled

VID 77 (1-4094)

Priority 5

**PC Port**

Active Disabled

VID 0 (1-4094)

Priority 0

**DHCP VLAN**

Active Enabled

Option 132

**Port Link** ?

Internet Port auto negotiate

PC Port auto negotiate

**Voice QoS** ?

Voice QoS 46 (0~63)

SIP QoS 26 (0~63)

**Local RTP Port** ?

Maximum RTP Port 11800 (1~65535)

**NOTE**

**network-note-VLAN**

A VLAN is a logical local area network (or LAN) that extends beyond a single traditional LAN to a group of LAN segments, given specific configurations.

**network-note-QoS**

When the network capacity is insufficient, QoS could provide priority to users by setting the value.

**network-note-localRTPport**

Define the port for voice transmission.

### 14. Added SIP server backup feature.

**Instruction:** Backup SIP server is actually a disaster recovery backup system, users can register two sip servers at the same time, phone use the primary sip server by default, and it will change to the second sip server if the primary sip server is down and stop working.

**Path:** Web UI→Account→Register.

**Yealink** Log\_Out

Status Account Network Dsskey Features Settings Contacts Security

Register Basic Codec Advanced

Account Account1

Register Status Disabled

Account Active Disabled

Label

Display Name

Register Name

User Name

Password

Enable Outbound Proxy Server Disabled

Outbound Proxy Server Port: 5060

NAT Traversal Disabled

STUN Server Port: 3478

**Sip Server 1**

Server Host Port: 5060

Transport UDP

Server Expires 3600

Server RetryCounts 3

**Sip Server 2**

Server Host Port: 5060

Transport UDP

Server Expires 3600

Server RetryCounts 3

**NOTE**

**Account-NOTE-Display Name**  
SIP service subscriber's name which will be used for Caller ID display.

**Account-NOTE-Register Name**  
SIP service subscriber's ID used for authentication.

**Account-NOTE-User Name**  
SIP User account, provided by VoIP service provider.

**account-note-NATtraversal**  
Defines the STUN server will be active or not.

## 15. Added DNS Cache feature.

**Instruction:** DNS Cache feature is a solution for the phones which there is not DNS server configured or when the DNS queries can't get any reply. When the phone can't get a result from DNS server, users can set a value in DNS Cache themselves.

## 16. Added Tr069 feature.

**Instruction:** Added the TR069 feature in V71.

**Path:** Web UI→Settings→TR069.

## 17. Added intelligent search in directory list (Directory Interface/Dialing interface/Pre-Dial Interface).

**Instruction:** Added the intelligent searching for directory in firmware V71.

## 18. Added the “Abc” IME when searching directory, “Abc” IME mean first letter automatic Capitalization.

## 6. Optimization description

### 1. Optimized the type of Line in Dsskey: Deleted the Auto type and set Line 1 as default.

**Description:** Deleted the Auto type and set Line 1 as default on Web UI and LCD.

Yealink | T28

Log Out

Status Account Network **DSSKey** Features Settings Directory Security

Memory Key  
Line Key  
Programable Key  
Ext Key

Key	Type	Value	Label	Line	Extension
Line Key1	Line			Line 1	
Line Key2	Line			Line 2	
Line Key3	Line			Line 3	
Line Key4	Line			Line 4	
Line Key5	Line			Line 5	
Line Key6	Line			Line 6	

Confirm Cancel

**NOTE**

**Key Type**  
The free function key 'Types' Speed Dial, Key Event, Intercom.

**Key Event**  
Key events are predefined shortcuts to phone and call functions.

**Intercom**  
Enable the 'Intercom' mode and it is useful in an office environment as a quick access to connect to the operator or the secretary.

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## 2. Optimized Network Directory interface: Optimized user experience in Web UI.

**Description:** Changed display name from Broadsoft Phone Book into Network Directly. Added more options into Network Directly interface to optimize user experience.

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Log\_Off

Status Account Network DSS Key Phone **Contacts** Security

Contacts  
Remote Phone Book  
Phone Call Info  
LDAP  
BroadSoft Phone Book  
BroadSoft Calllog  
MulticastIP

Broadsoft\_Item: Item1

DisplayName:

Server:

Port:

User:

Password:

Confirm Cancel

**NOTE**

contacts-broadsoft

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BroadSoft Phone Book interface in FW2.71.0.10

Yealink | T28

Log Out

Status Account Network DSSKey Features Settings Directory Security

Local Directory  
Remote Phone Book  
Phone Call Info  
LDAP  
Network Directory  
Multicast IP  
Setting

**XSI**

Host Server

Port

XSI Server Type

User ID

Password

**Network Directory**

Type	Enable	Display Name
Group	<input type="text" value="Enabled"/>	<input type="text" value="Group"/>
Enterprise	<input type="text" value="Disabled"/>	<input type="text" value="Enterprise"/>
Group Common	<input type="text" value="Disabled"/>	<input type="text" value="GroupCommon"/>
Enterprise Common	<input type="text" value="Disabled"/>	<input type="text" value="EnterpriseCommon"/>
Personal	<input type="text" value="Enabled"/>	<input type="text" value="Personal"/>

**Custom Directory**

Enable Custom Directory

**Call Log**

Network Call Log

Confirm Cancel

**NOTE**

**Network Directory**  
The network directory parameters for administrator.

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Network Directory interface in FW2.71.0.110

### 3. Optimized the display of Network Directories on the LCD screen: Moved the Department to Detail option.

**Description:** Moved the Department to Detail option in Network Directories on the LCD screen.

### 4. Optimized Network Directory: Added Auto Provision configuration to configure the display name of Group Common and Enterprise Common.

**Description:** Added Auto Provision configuration to configure the display name of Group Common and Enterprise Common.

**Path:** Web UI→Directory→Network Directory→Group Common / Enterprise Common.

- The configuration of Auto Provision:

bw\_phonebook.group\_common\_displayname =

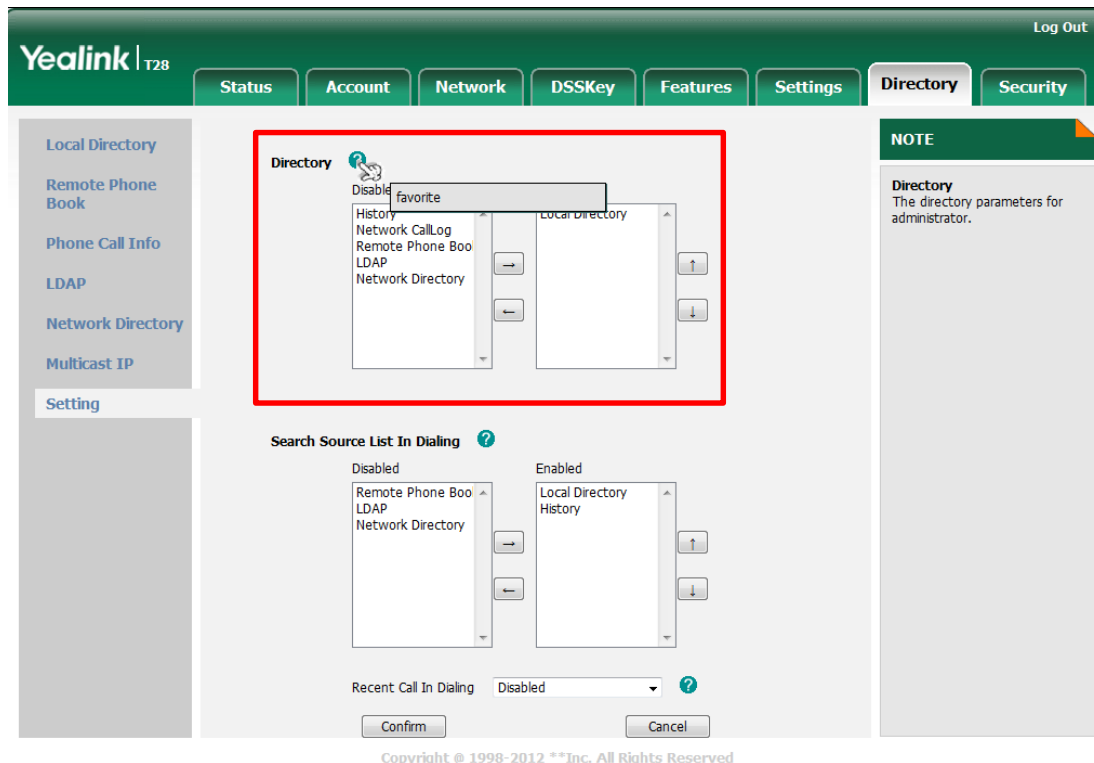
bw\_phonebook.enterprise\_common\_displayname =

- Delete the old configuration of Auto Provision:

bw\_phonebook.common\_displayname= .

### 5. Optimized the translation of Directory: Changed Favorite into Directory.

**Description:** As the old translation “Favorite” is difficult to understand, so changing “Favorite” to “Directory”.



**6. Optimized Reset to Factory feature: Added Auto Provision configuration whether Reset to Factory interface can be accessed into by long pressing OK button.**

**Description:** Added Auto Provision configuration whether Reset to Factory interface can be accessed into by long pressing OK button. Phone will reboot automatically when configuration is changed.

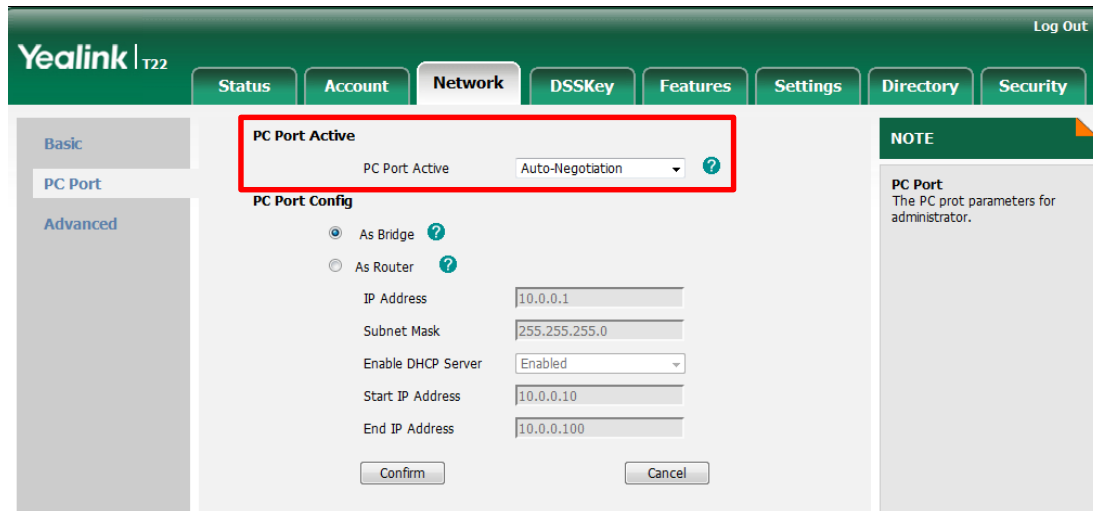
- The configuration of Auto Provision: features.reset\_by\_long\_press\_enable =
- 1- Enable (default), 0- Disable.

**7. Optimized port: Added PC Port Active configuration in Web UI.**

**Description:** To configure the PC Port to Auto-Negotiation or not.

**Path:** Web UI → Network → PC Port → PC Port Active → PC Port Active.

- The Auto Provision configuration: network.pc\_port.enable =
- 1- Auto-Negotiation (default), 0- Disable.



Yealink | T22

Log Out

Status Account **Network** DSSKey Features Settings Directory Security

Basic  
PC Port  
Advanced

**PC Port Active**

PC Port Active Auto-Negotiation ?

**PC Port Config**

☒ As Bridge ?  
☐ As Router ?

IP Address 10.0.0.1  
Subnet Mask 255.255.255.0  
Enable DHCP Server Enabled  
Start IP Address 10.0.0.10  
End IP Address 10.0.0.100

Confirm Cancel

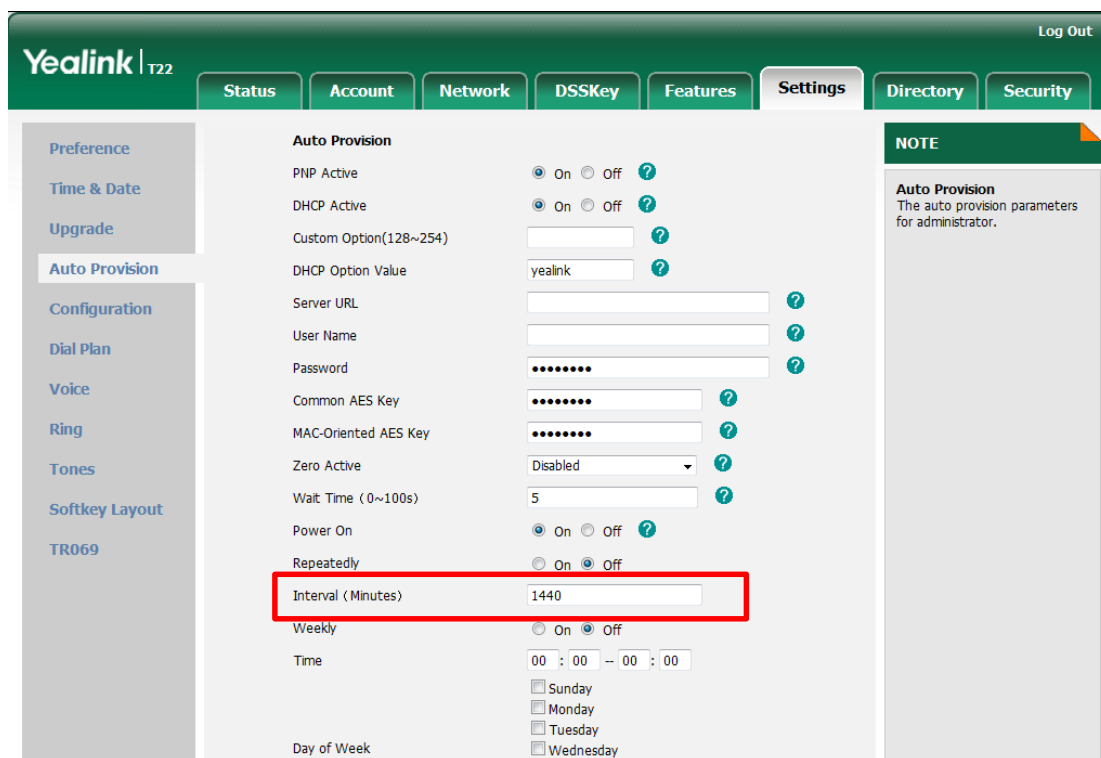
**NOTE**

**PC Port**  
The PC port parameters for administrator.

**8. Optimized Interval (Minutes) configuration: Changed 60 into 1400 as default.**

**Description:** Change the Interval time from 60 into 1400 as default.

**Path:** Web UI→Settings→Auto-Provision→Interval (Minutes).



Yealink | T22

Log Out

Status Account Network DSSKey Features **Settings** Directory Security

Preference  
Time & Date  
Upgrade  
Auto Provision  
Configuration  
Dial Plan  
Voice  
Ring  
Tones  
Softkey Layout  
TR069

**Auto Provision**

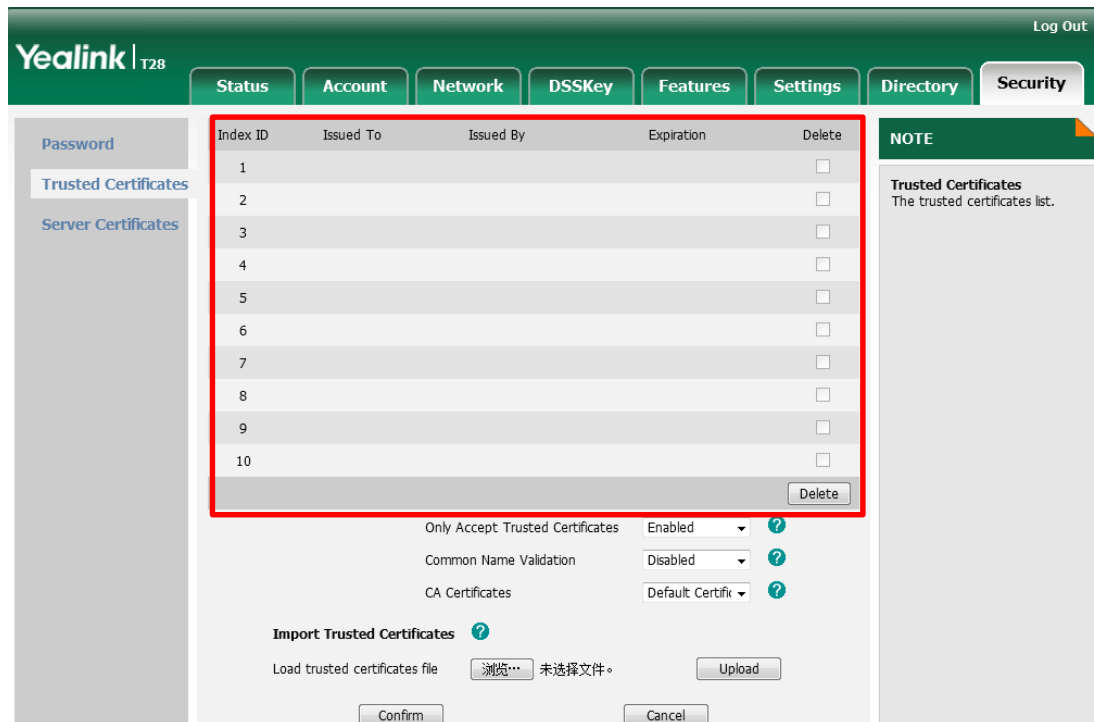
PNP Active ☒ On ☐ Off ?  
DHCP Active ☒ On ☐ Off ?  
Custom Option(128~254)  ?  
DHCP Option Value yealink ?  
Server URL  ?  
User Name  ?  
Password  ?  
Common AES Key  ?  
MAC-Oriented AES Key  ?  
Zero Active Disabled ?  
Wait Time (0~100s) 5 ?  
Power On ☒ On ☐ Off ?  
Repeatedly ☐ On ☒ Off  
**Interval (Minutes) 1440**  
Weekly ☐ On ☒ Off  
Time 00 : 00 -- 00 : 00  
Day of Week ☐ Sunday ☐ Monday ☐ Tuesday ☐ Wednesday

**NOTE**

**Auto Provision**  
The auto provision parameters for administrator.

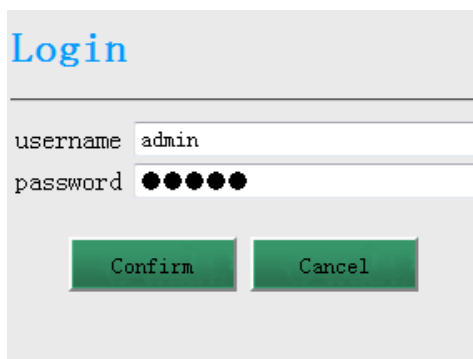
**9. Optimized certificate feature: Added 30 CA certificates and one Device certificate in factory settings.**

**Description:** Added 30 CA certificates and one Device certificate in factory settings. You can only see the certificates user uploads normally in this interface.



## 10. Optimized login interface in Web UI: Added the model information of phone.

**Description:** Added the model information of phone in the Login interface like “Enterprise IP phone SIP-T28P”.



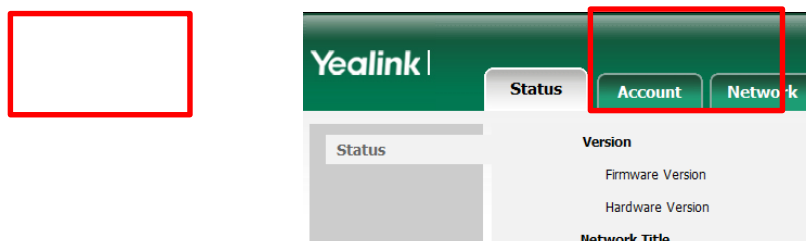
Login interface of FW 2.71.0.10



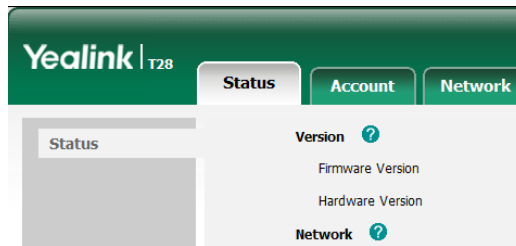
Login interface of FW 2.71.0.110

## 11. Optimized logo in Web UI: Added model information of phone behind the LOGO.

**Description:** Added model information of phone behind the LOGO like below.







Logo of FW 2.71.0.10

Logo of FW 2.71.0.110

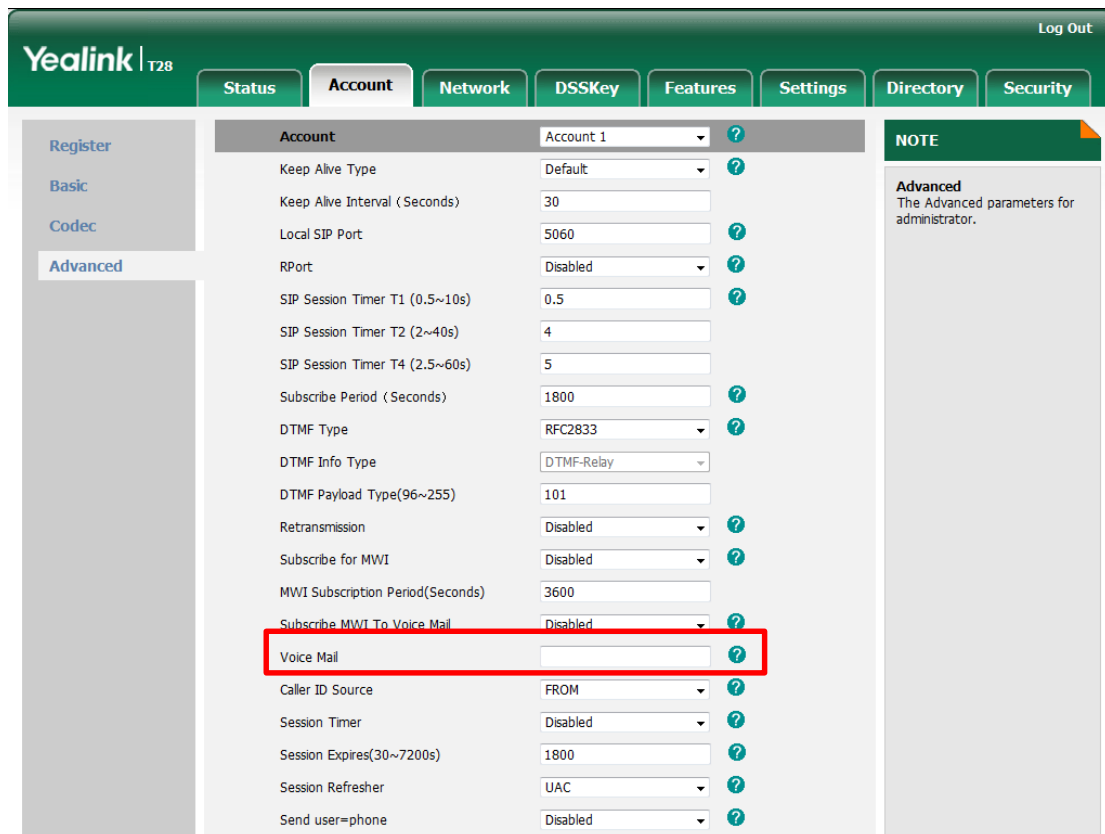
## 12. Optimized keypad lock: Deleted the type of Lock& Auto Answer.

**Description:** Delete the type of Lock& Auto Answer in Web UI / LCD.

**Path:** Web UI→Features→Phone Lock→Keyboard Lock Type.

## 13. Optimized Voice Mail: Moved Voice Mail configuration from Basic to Advanced interface of Account.

**Description:** Move Voice Mail configuration from Basic to Advanced interface of Account.



## 14. Optimized Web Server Type: Optimized HTTP & HTTPS configuration.

**Description:** Web Server Type configuration is replaced by Web Server HTTP configuration and Web Server HTTPS configuration separately in Web UI / LCD.

Path: Web UI→Network→Advanced→Web Server.

Web Server of FW 2.71.0.10

Web Server of FW 2.71.0.110

## 15. Optimized Block XML In Calling option: Optimized user experience in Web UI.

**Description:** Optimized user experience in Web UI.

- Move from: Web UI→General Information→Block XML In Calling.
- Move to: Web UI→Features→Remote Control→Block XML In Calling.

## 16. Optimized Tones: Deleted Record tone configuration in Web UI.

**Description:** Deleted Record tone configuration in Web UI.

**Path:** Web UI→Setting→tones.

The screenshot shows the Yealink web interface with the 'Phone' tab selected. The 'Record' field is highlighted with a red box. The interface includes a sidebar with various settings categories and a main content area with input fields for different phone settings.

Tones of FW 2.71.0.10

The screenshot shows the Yealink web interface with the 'Settings' tab selected. The 'Tones' section is highlighted with a red box. The interface includes a sidebar with various settings categories and a main content area with input fields for different phone settings.

Tones of FW 2.71.0.110

## 17. Optimized Server Certificate: Added the display of Device Cert status on LCD.

**Description:** Added the display of Device Cert status on LCD. The values of Device Cert are Factory Installed/Not Installed.

**Path:** Status→More→Phone→6.Device Certificate.

The screenshot shows the 'Phone' status screen. It displays the following information:

3. Firmware:	2.71.0.110
4. Product ID:	2013-06-13 22:12
5. MAC:	00:15:65:1f:0d:6e
6. Device Cert:	Not Installed

Below the table is a 'Back' button.

## 18. Optimized the BLF List feature of BroadWorks.

**Description:** Added the configuration of “LED off in idle” to switch off the LED when the monitored account is in idle status.

**Path:** Web UI→Features→General Information→LED Off in Idle.

The screenshot shows the Yealink Web UI interface. The top navigation bar includes 'Status', 'Account', 'Network', 'Dsskey', 'Features', 'Settings', 'Contacts', and 'Security'. The 'Features' tab is selected. On the left sidebar, 'Forward&DND' is expanded, showing 'General Information', 'Audio', 'Intercom', 'Transfer', 'Call Pickup', 'Remote Control Security', 'Phone Lock', 'ACD', 'SMS', and 'Action URL'. The 'General Information' section contains various settings: Call Waiting (Enabled), On Code, Off Code, Auto Redial (Disabled), Auto Redial Interval (10), Auto Redial Times (10), Key As Send (#), Reserve # in User Name (Enabled), Hotline, Hotline\_Delay (4), Busy Tone Delay (0), and a separator line. Below the separator, 'Allow Trans Exist Call' is set to Enabled, and 'LED Off in Idle' is highlighted with a red box and set to Disabled. Other settings include Login Timeout (5), Call Number Filter, and Use Logo (Custom logo). A 'Delete' button is next to the Use Logo setting. On the right, a 'NOTE' section provides details for features-general-always, features-general-keyAsSend, status-general-hotlinenumber, and status-general-uploadlogo.

## 19. Optimized BLF: Deleted BLF Notify Type.

**Description:** Delete BLF Notify Type in General Information.

**Old Path:** Web UI→Phone→Features→General Information.

The screenshot shows the Yealink Web UI interface. The top navigation bar includes 'Status', 'Account', 'Network', 'Phone', 'Contacts', 'Upgrade', and 'Security'. The 'Phone' tab is selected. Below the navigation bar, a sub-navigation bar includes 'Preference', 'Features', 'Softkey Layout', 'DSS Keys', 'EXT Key', 'Action URL', 'Voice', 'Ring', 'Tones', 'Dial Plan', and 'SMS'. The 'Features' sub-tab is selected. The 'General Information' section contains settings: Call Waiting (Enabled), On Code, a separator line, 'BLF Notify Type' (highlighted with a red box and set to Enabled), Allow Trans Exist Call (Enabled), Voice Mail Tone (Enabled), Allow IP Call (Enabled), and Call Number Filter. A 'NOTE' section on the right provides details for Forward, Target, On Code, Off Code, and Call Waiting.

BLF Notify Type of FW 2.70.0.120

## 20. Optimized the Call Center feature for BroadWorks.

**Detail :** For more details please refer to the ACD feature in [Yealink IP Phone Features Integrated with BroadWorks User Guide.pdf](#)

## 21. Optimized the directory feature of BroadWorks.

**Description:** Provide Search Softkey in contacts list page, users can use it to do accurate searching.

## 22. Optimized the Forward Diversion feature of BroadWorks.

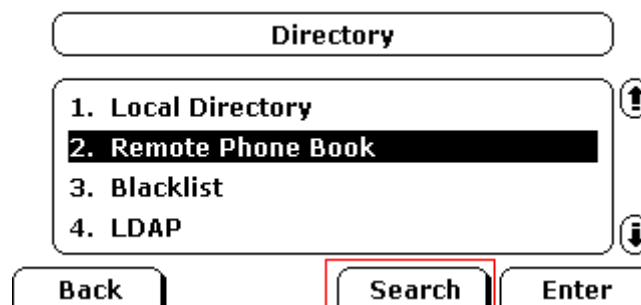
**Description:** According to the header of Diversion and History-info, show the value in the GUI when incoming forward call.

## 23. Optimized the Call Park feature of BroadWorks.

**Description:** Added the Park and Group Park and Retrieve operation via configuration of XSI.

## 24. Optimized the search feature of directory list searching.

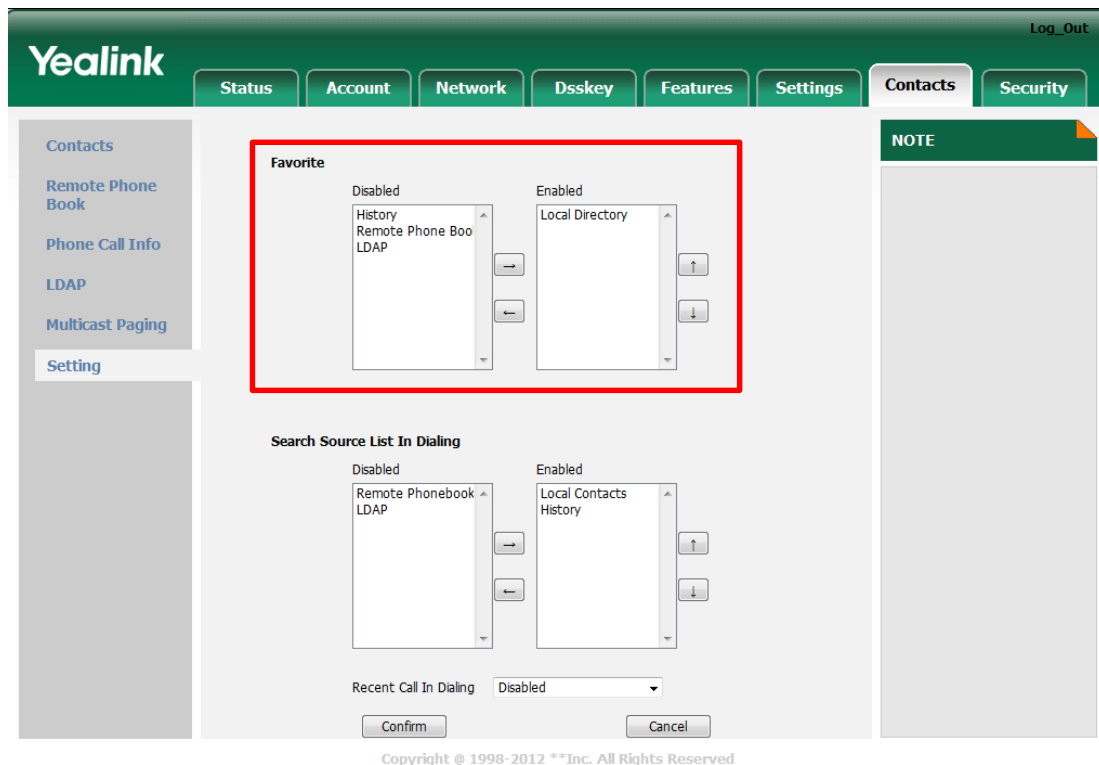
**Description:** Optimized the search feature of directory list searching in V71, it supports searching local phonebook, remote phonebook, LDAP, blacklist, and BroadSoft directory. The third softkey is configured as "SEARCH" by default. The searching source can be selected before searching. For example, if "XML remote phonebook" is selected as searching source, then it only searches from the "XML remote phonebook".



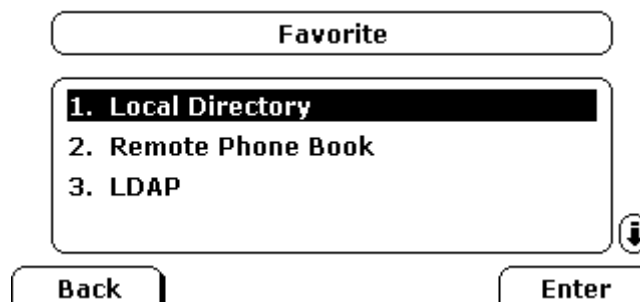
## 25. Optimized the favorite setting of contacts.

**Description:** Users can customize the items of the Favorite list.

**Path :** Web UI→Contacts→setting.



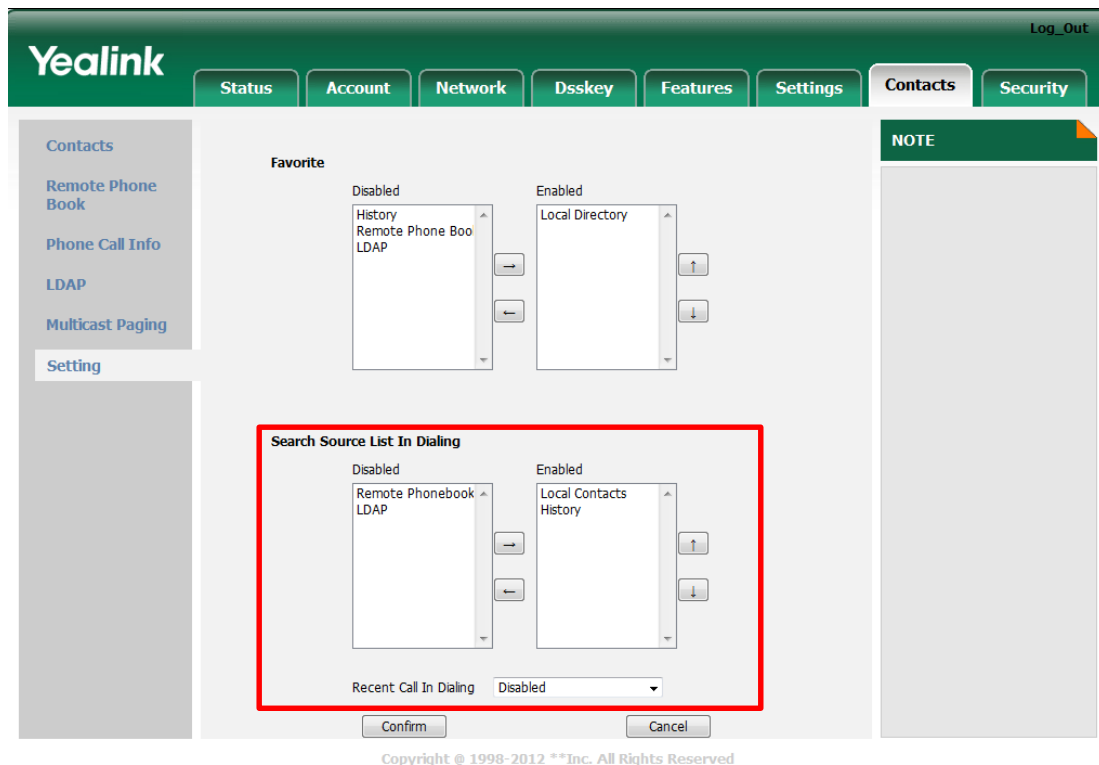
LCD result:



## 26. Optimized the option of custom searching source.

**Description:** Users can customize the items of the searching source list. the source contain Local Contacts, History, Remote Phonebook, LDAP and Network Directories.

**Path :** Web UI→Contacts→setting.



## 27. Optimized the setting of Dsskey.

**Description:** User can long press the Memory Key or Line Key for more than 3 seconds, and it will go into setting Dsskey interface directly.

## 28. Optimized Dsskey feature: Added the support of LDAP and network call log in Programmable Key.

**Description:** It supports setting the LDAP feature in Programmable Key.

**Path:** Web UI→Dsskey→Programmable Key.

The screenshot shows the 'Dsskey' configuration page in the Yealink web UI. A table lists various softkeys (SoftKey1 to SoftKey4) with columns for Key, Type, Line, Value, Extension, and Label. A dropdown menu is open for the 'Type' column of SoftKey4, showing a list of functions including History, DND, Menu, Switch Account, SMS, New SMS, Forward, Call Return, Directed Pickup, XML Group, XML Phonebook, Status, Speed Dial, Local Group, Local Phonebook, Keypad Lock, and DIAL. The 'DIAL' option is highlighted. To the right, a 'NOTE' section contains information about 'phone-programkey-type' and 'phone-programkey-replace'.

**29. Optimized the web UI: The WEB UI is adjusted to unify the WEB interface with the T3x phones. Important change: The primary Phone page is replaced by the Features Page and the Upgrade page is replaced by Setting page.**

**Description:** In the Account page, divided it into two parts by Register page and Basic page:

The screenshot shows the 'Account' configuration page in the Yealink web UI. The page is divided into two main sections: 'Register' and 'Basic'. The 'Register' section contains fields for Account Status, Account Active, Label, Display Name, Register Name, User Name, Password, Enable Outbound Proxy Server, Outbound Proxy Server, NAT Traversal, STUN Server, and Sip Server 1/2 settings. The 'Basic' section contains fields for Account Name, Account User Name, and Account NAT Traversal. A 'NOTE' section on the right provides detailed explanations for these fields.

Phone page is replaced by Features page and Settings page:



Yealink

Log\_Out

Status

Account

Network

Dsskey

Features

Settings

Contacts

Security

Forward&DND

General Information

Audio

Intercom

Transfer

Call Pickup

Remote Control

Security

Phone Lock

ACD

SMS

Action URL

Forward: ?

Mode

☒ Phone
 ☐ Custom

Account

Always

☐ On
 ☒ Off

Target

On Code

Off Code

Busy

☐ On
 ☒ Off

Target

On Code

Off Code

No Answer

☐ On
 ☒ Off

After Ring Time(seconds)

Target

On Code

Off Code

DND:

DND Emergency

Authorized Numbers (comma separated)

Mode

☒ Phone
 ☐ Custom

NOTE

status-forward-forward

This feature allows you to forward an incoming call to another phone number.

status-forward-target

The number to which the incoming calls will be forwarded.

status-forward-oncode

The code that will be sent to PBX when it is switched On.

status-forward-offcode

The code that will be sent to PBX when it is switched Off.

Yealink

Log\_Out

Status

Account

Network

Dsskey

Features

Settings

Contacts

Security

Preference

Time&Date

Upgrade

Auto Provision

Configuration

Dial Plan

Voice

Ring Tone

Tones

Softkey Layout

TR069

Language

Live Dialpad

Inter Digit Time(1~14)(seconds)

Backlight Time (seconds)

Watch Dog

Ring Tone

Del ?

Upload Ring Tone

浏览...

Upload Cancel

Confirm

Cancel

NOTE

preference-note-zone

preference-noteee-server

preference-note-ringTone

The upload ringtones must be format of wav whose sampling rate should be 8K, mono, 16-bit U-law compression