## Yealink Phonebook Generation Tool User Guide

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## Introduction

Yealink phonebook generation tool is developed for automatically generating contact files available for Yealink IP phones. This tool is developed by Yealink. You can ask the distributor or the Yealink Field Application Engineer for this tool, or you can download it from the website at http://support.yealink.com/documentFront/forwardToDocumentFrontDisplayPage.

The information applies to the following Yealink IP phones:

- SIP-T46G, SIP-T42G, SIP-T41P and CP860 IP phones running firmware version 71 or later
- SIP-T48G IP phones running firmware version 72 or later
- SIP-T58A, SIP VP-T49G, SIP-T40P, SIP-T29G, SIP-T23P/G, SIP-T21(P) E2, SIP-T19(P) E2, CP960 and W56P IP phones running firmware version 80 or later
- SIP-T48S, SIP-T46S, SIP-T42S, SIP-T41S, SIP-T40G, SIP-T27G, CP920, W52P and W60P IP phones running firmware version 81 or later
- VP59, W53P and CP930W-Base IP phones running firmware version 83 or later
- SIP-T57W, SIP-T54W, SIP-T53W, SIP-T53, SIP-T48U, SIP-T46U and SIP-T43U IP phones running firmware version 84 or later.

Note Compatible operating systems: Win XP/64-bit version of Win7/64-bit version of Win8. Compatible excel: Microsoft Excel 2003 (32-bit or 64-bit).

## **Interface Description**

Double click the application file to start the phonebook generation tool. This tool bases on the Microsoft Excel table. The screenshot of the main page is shown as below:

H1	8	• : X	$\checkmark f_x$					
1	A	В	С	D	E	F	G	Н
1	Department	Name	Office Number	Mobile Number	Other Number	Head Portrait	Max Enterise	1000
2							Max Groups	50
3								
4								·
5							Create Remote	Phonebook
6								
7								
8							Create Local	Phonebook
9								THOLEBOOK
10								
11								
12								
13								
14								

The first line includes the contact parameters configurable for Yealink IP phones. All these parameter names are encrypted and cannot be modified.

Users can use this tool to generate a local contact file or a remote phonebook file, and then import the contact file by auto provisioning to add contacts in bulk. For information about contacts on Yealink IP phones, please refer to *Yealink phone-specific user guide*.

The following table lists the contact parameters:

Department	
Description	This parameter specifies the group name of the contact.
Format	String
Maximum Characters	99
	To generate a local contact file:
	Yealink SIP-T48G/T46G/T42G/T41P/CP860 IP phones support up to 48 local contact groups, including the default <b>Company</b> , <b>Family</b> , <b>Friend</b> groups. The three groups have been removed from phones running firmware version 80 or later.
Maximum Groups	Yealink VP59/SIP VP-T49G/SIP-T58A/T57W/T54W/T53W/T53/T48U/T48S/T46U/T46S/T4 3U/T42S/T41S/T40P/T40G/T29G/T27G/T23P/T23G/T21(P) E2/T19(P) E2/CP920/CP960 IP phones support up to 48 local contact groups.
	Yealink W60P, W53P, W52P, W56P, and CP930W-Base IP phones support one group.
	<b>To generate a remote phonebook file:</b> Yealink IP phones support up to 50 remote contact groups. There is no default contact group in the remote phonebook.
Note	<ul> <li>To generate a local contact file:</li> <li>If this field is left blank, the contact record will be added in the default local contact group named All Contacts.</li> <li>To generate a remote phonebook file:</li> <li>If this field is left blank, the contact record will be ignored in the generated remote phonebook file.</li> </ul>
Name	
Description	This parameter specifies the contact name.
Format	String
Maximum Characters	99
Note	If multiple records include the same contact name, only the first record will take effect after importing to Yealink IP phones. <b>To generate a local contact file:</b> If this field is left blank, the contact record will be ignored in the
	generated local contact file. To generate a remote phonebook file:

	If this field is left blank, the contact name will be null in the generated remote phonebook file.
Office Number/M	obile Number/Other Number
Description	These parameters specify the office/mobile/other numbers of the contact. Note: W52P and W52P IP DECT phones only support office number and mobile number.
Format	String
Maximum Characters	32
Note	Contact Office Number, Mobile Number, and Other Number are optional.
	ly apply to VP59, T58A, T57W, T54W, T49G, T48U, T48G/S, T46U, d CP960 IP phones)
Description	This parameter specifies the head portrait of the contact.
Format	String
Maximum Characters	32
	To fill a default path:
	For SIP-T54W/T46U IP phones:
	Contact.png
	Blacklist.png
	Family.png
	Friend.png
	For SIP-T46G/T46S/T29G IP phones:
	default_contact_image.png
Value Format	icon_family_b.png
	icon_friend_b.png
	icon_blacklist_b.png
	For SIP-T48G/T48S IP phones:
	default_contact_image.png
	customer.png
	family.png
	friend.png
	For SIP VP-T49G IP video phones:
	The default contact image.png

	bluetooth_default.png
	customer.png
	family.png
	friend.png
	For VP59/SIP-T58A/T57W/T48U IP phones:
	Contact.png
	Customer.png
	Family.png
	Friend.png
	For CP960 IP phones:
	The default contact image.png
	blacklist.png
	customer.png
	family.png
	friend.png
	To fill a complete path:
	Config:< <i>picturename</i> >.png
	Config:< <i>picturename</i> >.jpg
	Config:< <i>picturename</i> >.bmp
	This means to assign a customized picture for the contact head portrait. The customized picture for the contact head portrait must be imported to the phone in advance.
Note	If this field is left blank, the contact record uses the default head portrait.

## **Using the Phonebook Generation Tool**

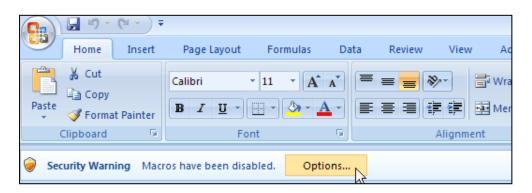
The following shows how to generate a local contact file or a remote phonebook file using the phonebook generation tool.

## **Generating a Local Contact File**

### To generate a local contact file:

- **1.** Double click the application file to start the phonebook generation tool.
- 2. Click on 🦲 ->Save As.
- 3. Select Excel Macro-Enabled Workbook from the pull-down list of Save as Type.
- 4. Click the **Save** button to save the tool to the local system.

- **5.** Double click to start the phonebook generation tool from the local system.
- 6. Click the **Options...** button beneath the Office ribbon.

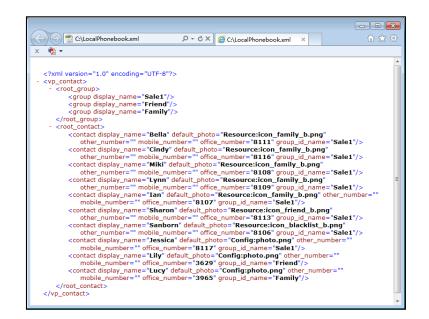


- 7. Mark the **Enable this content** radio box in the pop-up dialogue box, and click the **OK** button.
- 8. Fill the value of each contact parameter according to the practical situation.
- 9. Click the Create Local Phonebook button to generate the local phonebook file. The tool prompts a local contact file is generated successfully and the default path is the C root directory "C:\". User can change the stored path. For more information, refer to Appendix A: Managing the Config.cfg File on page 11.



Note If user does not have the write permissions for disk C:, the local phonebook file will fail to generate. Please change the stored path or contact your system administrator.

You can then find the local phonebook file in the destination directory.

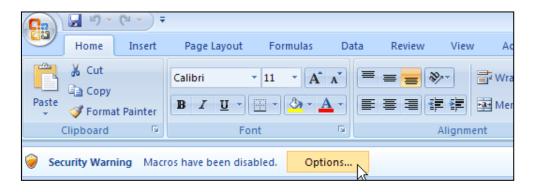


The following shows an example of LocalPhonebook.xml:

### **Generating a Remote Phonebook File**

#### To generate a remote phonebook file:

- **1.** Double click the application file to start the phonebook generation tool.
- 2. Click on 🦲 ->Save As.
- 3. Select Excel Macro-Enabled Workbook from the pull-down list of Save as Type.
- 4. Click the **Save** button to save the tool to the local system.
- 5. Double click to start the phonebook generation tool from the local system.
- 6. Click the **Options...** button beneath the Office ribbon.



- 7. Mark the **Enable this content** radio box in the pop-up dialogue box, and click the **OK** button.
- 8. Fill the value of each contact parameter according to the practical situation.
- **9.** Click on the **Create Remote Phonebook** button to generate the remote phonebook file. The default path is the C root directory "C:\". User can change the stored path. For more

information, refer to Appendix A: Managing the Config.cfg File on page 11.



# **Note** If user does not have the write permissions for disk C:, the remote phonebook file will fail to generate. Please change the stored path or contact your system administrator.

You can then find the remote phonebook file in the destination directory.

The following shows an example of RemotePhonebook.xml:

- C:\RemotePhonebook.xml	×5-Q	🗌 🦪 C:\RemotePh	onebook.xml ×	6 ☆ 🤅
: 🔁 🕶				
xml version="1.0" encoding="UTF-8"</td <td>25</td> <td></td> <td></td> <td></td>	25			
<yealinkipphonebook></yealinkipphonebook>				
<title>Yealink</title>				
- <menu name="Sale1"></menu>				
<unit default_ph<="" name="Bella" td=""><td>oto="Resou</td><td>rce:icon_family</td><td>b.png" Phone3="" P</td><td>hone2=""</td></unit>	oto="Resou	rce:icon_family	b.png" Phone3="" P	hone2=""
Phone1="8111"/>				
<unit default_pl<="" name="Cindy" td=""><td>hoto="Resou</td><td>rce:icon_famil</td><td>y_b.png" Phone3=""  </td><td>Phone2=""</td></unit>	hoto="Resou	rce:icon_famil	y_b.png" Phone3=""	Phone2=""
Phone1="8116"/>				
<unit default_pho<="" name="Miki" td=""><td>oto="Resour</td><td>ce:icon_family</td><td>_b.png" Phone3="" Ph</td><td>ione2=""</td></unit>	oto="Resour	ce:icon_family	_b.png" Phone3="" Ph	ione2=""
Phone1="8108"/>				
<unit default_ph<="" name="Lynn" td=""><td>oto="Resour</td><td>rce:icon_family</td><td><pre>_b.png" Phone3="" P</pre></td><td>hone2=""</td></unit>	oto="Resour	rce:icon_family	<pre>_b.png" Phone3="" P</pre>	hone2=""
Phone1="8109"/>				
<unit default_pho<="" name="Ian" td=""><td>co="Resourc</td><td>e:icon_family_</td><td>b.png" Phone3="" Pho</td><td>one2=""</td></unit>	co="Resourc	e:icon_family_	b.png" Phone3="" Pho	one2=""
Phone1="8107"/>				
<unit default_<="" name="Sharon" td=""><td>photo="Resc</td><td>ource:icon_frie</td><td>nd_b.png" Phone3="</td><td>Phone2=""</td></unit>	photo="Resc	ource:icon_frie	nd_b.png" Phone3="	Phone2=""
Phone1="8113"/>				
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Phone1="8106"/>				
<unit default_<="" name="Jessica" td=""><td>photo="Con</td><td>ng:pnoto.png</td><td>Phone3=""Phone2=""</td><td></td></unit>	photo="Con	ng:pnoto.png	Phone3=""Phone2=""	
Phone1="8117"/> 				
<ul> <li><menu name="Friend"></menu></li> </ul>				
<unit default_pho<="" name="Lily" td=""><td>to-"Config:r</td><td>hoto nng" Dhor</td><td>no2 "" Dhono2 "" Dho</td><td>no1-"2620"/&gt;</td></unit>	to-"Config:r	hoto nng" Dhor	no2 "" Dhono2 "" Dho	no1-"2620"/>
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- <menu name="Family"></menu>				
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	oto- comig.	photo.phg Th	110102-11	0101- 0300 /2

## **Uploading Local Contact File via Web User Interface**

#### To upload the local contact file via web user interface:

### For VP59/SIP

VP-T49G/SIP-T58A/T57W/T54W/T53W/T53/T48U/T48S/T46U/T46S/T43U/T42S/T41S/T4 0P/T40G/T29G/T27G/T23P/T23G/T21(P) E2/T19(P) E2/CP860/CP920/CP960 IP phones:

The following takes the SIP-T46G IP phone running firmware version 81 as an example.

- 1. Press the **OK** key on the phone when it is idle to obtain the IP address.
- 2. Enter the IP address (e.g., http://192.168.0.10 or 192.168.0.10) in the address bar of the web browser on your PC and then press **Enter**.
- 3. Enter the user name and password in the login page.

The default login user name is admin (case-sensitive) and the password is admin (case-sensitive).

- 4. Click on Directory->Local Directory.
- 5. Click Browse to locate the contact list file from your local system.

Yealink 11466	Vealink land				
	Status	ccount Network	DSSKey Features	Settings	Directory Security
Local Directory	Index	Name Office Number	Mobile Other All Conta Number Number	cts 🔻 🔲	NOTE
Remote Phone Book Phone Call Info LDAP Multicast IP Setting	1 2 3 4 5 6 7 8 9 10 Page 1 - Prev	Next Hang Up	Delete All Delete Move To	All Contac V	Local Directory The built-in phone directory can store the names and phone numbers of your contacts. You can add new groups and contacts, edit, delete or search for a contact, or simply dal a contact number from the local directory. You can import or export the contact list.
	Directory ? Name Office Number Mobile Number Other Number Ring Tone Group Account Photo Add Group Setting Group Ring	Auto  Auto  Auto  Auto  Edit	Delete Photo Delete Photo Browse No file selected. Upload Photo Import Local Directory File ? Browse No file selected. Import XML Export XML Browse No file selected. Import CSV Export CSV ?	Show Title	You can click here to get more guides.

6. Click Import XML to import the contact list.

The web user interface prompts "The original contact will be covered, Continue?".

7. Click **OK** to complete importing the contact list.

### For W52P/W53P/W56P/W60P/CP930W-Base IP DECT phones:

The following takes the W53P running firmware version 83 as an example.

- 1. Press the OK->Status->Base on the handset when it is idle to obtain the IP address.
- 2. Enter the IP address (e.g., http://192.168.0.10 or 192.168.0.10) in the address bar of the web browser on your PC and then press **Enter**.
- **3.** Enter the user name and password in the login page.

The default login user name is admin (case-sensitive) and the password is admin (case-sensitive).

- 4. Click on Directory->Local Directory.
- 5. Select the desired handset from the pull-down list of Import to.

6. Click **Browse** to locate a contact list file from your local system.

ealink w52P	Status	t Network	Features	Settings	Directory	English(English)	)
	Status Accoun	t Network	Features	Settings	Directory	Security	
Local Directory	File Template De	ownload				ΝΟΤΕ	
Remote Phone	.CSV file tem	plate	Downloa	t		Import	
Book	.XML file terr	plate	Downloa	t		Browse the file in XML fo	rmat.
LDAP	Import Contact	s				Export Click Export button and o	
	Import to		Handset 1	•		file with whose name you	
Multicast IP	Select .xml f	le form	Browse No	file selected.		to export.	
Setting			Import			You can click here to more guides.	o get
	Select .csv fi	e form	Browse No	file selected.		more guides.	
			Import				
	Export Contact	;					
	Export from		Handset 1	•			
	Export .csv f	le	Export				
	Export .xml f	ile	Export				
	Delete Conta	cts	Delete				

- 7. Click Import to import the contact list.
- 8. Click **OK** to complete importing the contact list.

# Configuring an Access URL for Remote Phone Book via Web User Interface

The following takes the SIP-T46G IP phone running firmware version 81 as an example.

#### To configure an access URL for remote phone book via web user interface:

- 1. Press the **OK** key on the phone when it is idle to obtain the IP address.
- 2. Enter the IP address (e.g., http://192.168.0.10 or 192.168.0.10) in the address bar of the web browser on your PC and then press **Enter**.
- 3. Enter the user name and password in the login page.

The default login user name is admin (case-sensitive) and the password is admin (case-sensitive).

- 4. Click on Directory->Remote Phone Book.
- 5. Enter the access URL in the Remote URL field.

6. Enter the name (e.g., Xmyl) in the Display Name field.

alink 1466	Status	iccount Network DS	SKey Features Settings	Log English(English) Directory Securit
Local Directory	Index	Remote URL	Display Name	NOTE
	1 http://10	).2.5.214/RemotePhonebook.xml	Xmyl	
Remote Phone Book	2			Remote Phone Book It is a centrally maintained phone book, stored on the
Phone Call Info	3			remote server.
	4			Users only need the access of the remote phone book.
LDAP	5			IP phone can establish a connection with the remote
Multicast IP			л	server and download the ph book, and then display the
Setting	Incoming,	Outgoing Call Lookup	Disabled 🔹 🥎	remote phone book entries
	Update T	ime Interval(Seconds)	21600	Tou can click here to ge
		Confirm	Cancel	more guides.

7. Click **Confirm** to accept the change.

## Uploading Phonebook Files Using the Configuration File

### To upload the two phonebook files using the configuration file:

**1.** Add/Edit the parameters in the configuration file.

The following table shows the parameters information:

Parameters	Description	Value	
For VP59/SIP			
VP-T49G/SIP-T58A/T57W/T54W/T53			
W/T53/T48U/T48S/T46U/T46S/T43U			
/T42S/T41S/T40P/T40G/T29G/T27G/			
T23P/T23G/T21(P) E2/T19(P)	i/T21(P) E2/T19(P)		
E2/CP860/CP920/CP960 IP phones:	It specifies the access URL of the local	URL	
local_contact.data.url	contact file.		
For			
W52P/W53P/W56P/W60P/CP930W-	3P/W56P/W60P/CP930W-		
Base IP DECT phones:			
handset.X.contact_list.url			
(X ranges from 1 to 5)			
remote_phonebook.data.X.url	It specifies the access URL of the		
(X ranges from 1 to 5)	remote phonebook.	URL	
remote_phonebook.data.X.name	It specifies the display name of the	String	
(X ranges from 1 to 5)	remote phonebook item.	String	

The following sample shows the configuration of the local phonebook and remote phonebook in the configuration file:

local\_contact.data.url = http://10.2.5.214/LocalPhonebook.xml

remote\_phonebook.data.1.url = http://10.2.5.214/RemotePhonebook.xml remote\_phonebook.data.1.name = Xmyl

**2.** Upload the configuration file and two phonebook files to the root directory of the provisioning server and perform auto provisioning to download the two phonebook files for Yealink IP phones.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide on Yealink Technical Support.

### Appendix A: Managing the Config.cfg File

The Config.cfg file is used to specify the stored path for the remote phonebook and local phonebook. It is especially useful for the users who do not have write permissions for disk C:. You can open and edit the Config.cfg file with a text editor such as UltraEdit.

Config.cfg x
1
[ OutPutPath ]
RemotePhoneDir=F:\
LocalPhoneDir=F:\

The following figure shows an example of the Config.cfg file:

In the above example, the remote phonebook and local phonebook will be saved to the specified path: F root directory "F:\".

You can modify the stored path for a remote phonebook or local phonebook on the right of the equal sign. If it is left blank, the remote phonebook or local phonebook will be automatically saved to the default path: C root directory "C:\".