## 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 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-T58V/A, SIP-T56A, 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-T54S, SIP-T52S, SIP-T48S, SIP-T46S, SIP-T42S, SIP-T41S, SIP-T40G, SIP-T27G, CP920, W52P and W60P IP phones running firmware version 81 or later
- W53P IP phones running firmware version 83 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	118 $\rightarrow$ : $\times \checkmark f_x$							
4	Å	В	C	D	E	F	G	H
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								moneooon
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
Maximum Groups	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. Yealink SIP-T58V/T58A/T56A/SIP VP-T49G/SIP-T54S/T52S/T48S/T46S/T42S/T41S/T40P/T40G/T29G/T27 G/T23P/T23G/T21(P) E2/T19(P) E2/CP920/CP960 IP phones support up to 48 local contact groups. Yealink W60P, W53P, W52P and W56P 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 as 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. <b>To generate a remote phonebook file:</b> 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. <b>Note:</b> 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.
Head Portrait (On phones)	ly apply to T58V/A, T56A, T49G, T48G/S, T46G/S, T29G and CP960 IP
Description	This parameter specifies the head portrait of the contact.
Format	String
Maximum Characters	32
Value Format	For SIP-T54S/T52S IP phones:Contact.pngBlacklist.pngFamily.pngFriend.pngFor SIP-T46G/T46S/T29G IP phones:default_contact_image.pngicon_family_b.pngicon_friend_b.pngicon_blacklist_b.pngFor SIP-T48G/S IP phones:default_contact_image.pngicon_blacklist_b.pngfor SIP-T48G/S IP phones:default_contact_image.pngfamily.pngfamily.pngfamily.pngfriend.pngFor SIP VP-T49G IP video phones:The default contact image.png
	For SIP VP-149G IP video phones: The default contact image.png bluetooth_default.png

	customer.png
	family.png
	friend.png
	For SIP-T58V/T58A/T56A IP phones:
	The default contact image.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.

8	9 -	(°" - ) =						
	Home	Insert	Page Layout	Formulas	Data	Review	View	Ac
Paste	Cut ⊑⊇ Copy ∛ Forma	t Painter		• 11 • A		= <mark>=</mark> 8 = = :		ि Wra ब्रेडी Mer
	Clipboard	Gi.	For	nt	G.		Alignmen	nt
🤘 s	ecurity Warn	ing Macr	os have been disa	bled. Opt	tions			

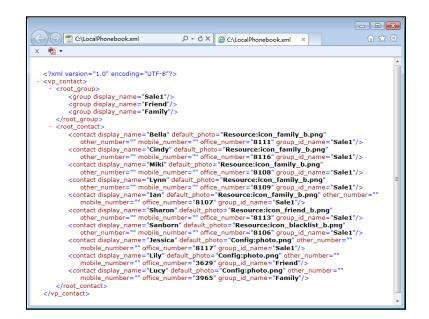
- 7. Mark the **Enable this content** radio box in the pop-up dialogue box, and click the **OK** button.
- 8. Fill the value of each contact parameter according to the practical situation.
- 9. Click the Create Local Phonebook button to generate the local phonebook file.

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.

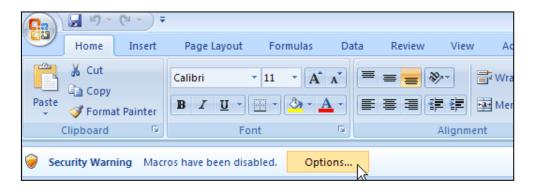


The following shows an example of LocalPhonebook.xml:

#### **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	X 5 - Q	🥖 C:\RemotePho	nebook.xml ×	ि ☆ 🤤
· 👘 🕶				
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="Resour</td><td>ce:icon family</td><td>b.png" Phone3="" Ph</td><td>none2=""</td></unit>	oto="Resour	ce:icon family	b.png" Phone3="" Ph	none2=""
Phone1="8111"/>				
<unit default_pl<="" name="Cindy" td=""><td>hoto="Resou</td><td>rce:icon_family</td><td>_b.png" Phone3="" P</td><td>hone2=""</td></unit>	hoto="Resou	rce:icon_family	_b.png" Phone3="" P	hone2=""
Phone1="8116"/>				
<unit default_pho<="" name="Miki" td=""><td>oto="Resourc</td><td>e:icon_family_</td><td>b.png" Phone3="" Pho Phone3="" Phone3="" Pho</td><td>one2=""</td></unit>	oto="Resourc	e:icon_family_	b.png" Phone3="" Pho Phone3="" Phone3="" Pho	one2=""
Phone1="8108"/>				
<unit default_ph<="" name="Lynn" td=""><td>oto="Resour</td><td>ce:icon_family_</td><td>_<b>b.png</b>" Phone3="" Ph</td><td>ione2=""</td></unit>	oto="Resour	ce:icon_family_	_ <b>b.png</b> " Phone3="" Ph	ione2=""
Phone1="8109"/>				
<unit default_pho<="" name="Ian" td=""><td>to="Resourc</td><td>e:icon_family_b</td><td>o.png" Phone3="" Pho</td><td>ne2=""</td></unit>	to="Resourc	e:icon_family_b	o.png" Phone3="" Pho	ne2=""
Phone1="8107"/>				ol
<unit default_<br="" name="Sharon">Phone1="8113"/&gt;</unit>	photo=" <b>keso</b>	urce:icon_frien	a_b.png Phone3=""	Phone2=""
<unit default<="" name="Sanborn" td=""><td>nhoto-"Rec</td><td>ource:icon blag</td><td>cklict b ppg" Phone?</td><td>-"" Dhone2-""</td></unit>	nhoto-"Rec	ource:icon blag	cklict b ppg" Phone?	-"" Dhone2-""
Phone1="8106"/>		ource.icon_bia	ckiist_b.piig Pilolies	- Flionez-
<unit default_<="" name="Jessica" td=""><td>photo="Conf</td><td>ia nhoto nna" P</td><td>hone3="" Phone2=""</td><td></td></unit>	photo="Conf	ia nhoto nna" P	hone3="" Phone2=""	
Phone1="8117"/>		-gipilotoipilg		
- <menu name="Friend"></menu>				
<unit default_pho<="" name="Lily" td=""><td>to="Config:p</td><td>hoto.png" Phone</td><td>e3="" Phone2="" Phor</td><td>e1="3629"/&gt;</td></unit>	to="Config:p	hoto.png" Phone	e3="" Phone2="" Phor	e1="3629"/>
- <menu name="Family"></menu>				
<unit name="&lt;b">"Lucy" default_ph</unit>	oto="Config:	photo.png" Phor	ne3="" Phone2="" Pho	ne1="3965"/>

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

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

#### For SIP-T58V/T58A/T56A/SIP

#### VP-T49G/SIP-T54S/T52S/T48S/T46S/T42S/T41S/T40P/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 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 1466						Eng	Log Out lish(English) –
	Status	Account Ne	twork DSSK	ey Features	Settings	Directory	Security
Local Directory	Index	Name Office	Number Mobile Number	Other All Cont Number	tacts 🔻 🔲	NOTE	
Remote Phone Book Phone Call Info LDAP Multicast IP Setting	1 2 3 4 5 6 7 8 9 10 ₽ 92001 ▼ Prev	Next Han	a Up Delete All	Delete Move T		store the name numbers of you You can add n contacts, edit, for a contact, contact numbe directory.	one directory can es and phone ur contacts. ew groups and delete or search
	Directory (2) Name Office Number Mobile Number Other Number Ring Tone Group Account Photo Add Group Setting Group Ring	Auto All Contacts Auto default_cont Edit	- U	XML Export XML No file selected.	Show Title	You can cli more guides.	ick here to get

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 IP DECT phones:

- 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 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 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 A	ccount Network DS	SKey Features Setting	English(English) S Contractory 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 remot
Multicast IP				server and download the pl book, and then display the
Setting	Incoming/	Outgoing Call Lookup	Disabled 🔻	remote phone book entries the phone user interface.
	Update Ti	me Interval(Seconds)	21600	You can click here to g

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 SIP-T58V/T58A/T56A/SIP		
VP-T49G/SIP-T54S/T52S/T48S/T46S/		
T42S/T41S/T40P/T40G/T29G/T27G/T		
23P/T23G/T21(P) E2/T19(P)		
E2/CP860/CP920/CP960 IP phones:	It specifies the access URL of the local	
local_contact.data.url	contact file.	URL
For W52P/W53P/W56P/W60P IP		
DECT phones:		
handset.X.contact_list.url		
(X ranges from 1 to 5)		
	It specifies the access URL of the	
remote_phonebook.data.X.url	remote phonebook.	URI
(X ranges from 1 to 5)	<b>Note</b> : It is not applicable to SIP-T20P	UKL
	IP phones.	
	It specifies the display name of the	
remote_phonebook.data.X.name	remote phonebook item.	String
(X ranges from 1 to 5)	<b>Note</b> : It is not applicable to SIP-T20P	String
	IP phones.	

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 for your phone 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.

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

Config.cfg x	.99
1	3
[ OutPutPath ]	
RemotePhoneDir=F:\	
LocalPhoneDir=F:\	

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 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:\".