

Yealink Configuration Generator Tool User Guide

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Introduction

Yealink Configuration Generator Tool (CGT) provides you with quicker and easier configuration generation, modification, conversion and encryption. This tool includes four interfaces: Phone Configuration, Advanced Configuration, CSV Configurations and Configuration Conversion. This guide provides detailed instructions on each interface.

This guide applies to the following IP phones:

- SIP-T28P, SIP-T26P, SIP-T22P, SIP-T21P, SIP-T20P, SIP-T19P, SIP-T48G, SIP-T46G, SIP-T42G and SIP-T41P IP phones running firmware version 72 or later
- SIP-T38G, SIP-T32G and VP530 IP phones running firmware version 70 or later

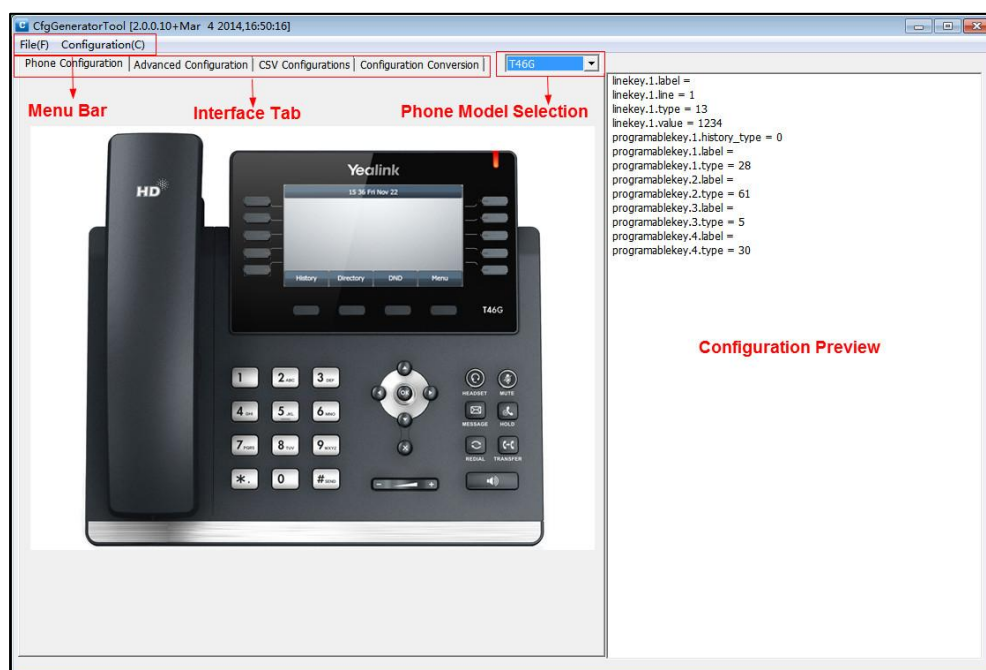
Ask Yealink FAE (Field Application Engineer) for Configuration Generator Tool or download it online:

<http://www.yealink.com/DocumentDownload.aspx?CatId=142&flag=142>.

Double click Yealink-supplied "CfgGenerator.exe" to start the application tool and then click the desired tab to access the desired interface. This guide takes Configuration Generator Tool "CGT_2.0.0.10" as an example.

Overview

The following figure shows a graphical representation of the main interface for the configuration generator tool.

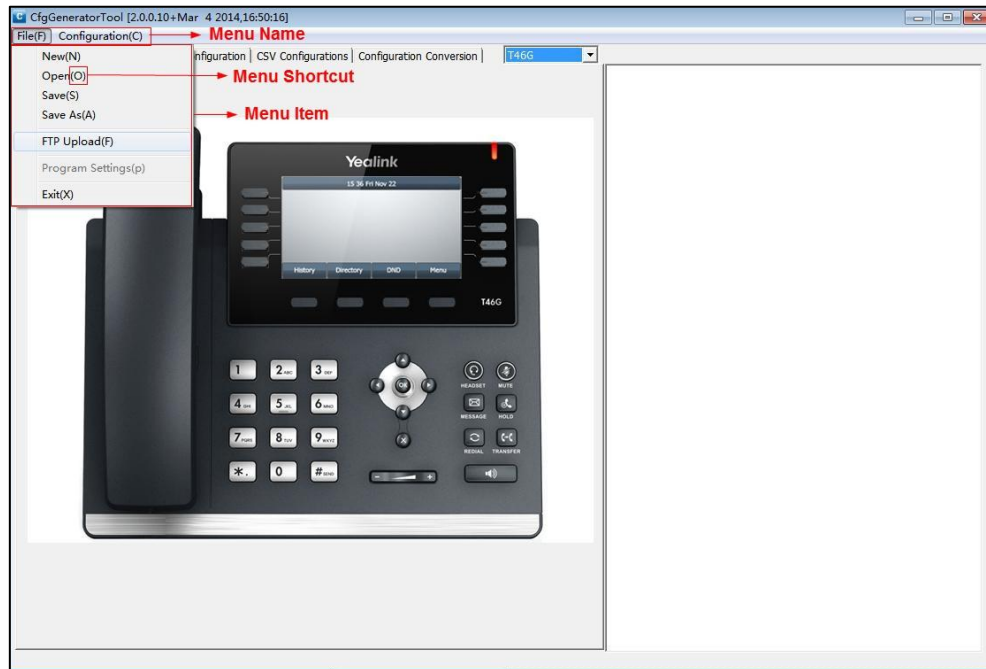


The following table lists description of each area.

Area	Description
Menu Bar	Provide common operation options, e.g., Open a configuration file (*.cfg).
Interface Tab	Access each interface. Four interfaces can be accessed: Phone Configuration, Advanced Configuration, CSV Configurations and Configuration Conversion.
Phone Model Selection	<p>Provide supported phone models.</p> <p>The interface will prompt: "Some of configurations you have created may not work on this new phone model. Are you sure to switch the model?" when you have configured the current phone model and would like to switch to a new one. In this case, we recommend you do not switch to a new phone model.</p> <p>Note: It is unavailable when in the Configuration Conversion interface.</p>
Configuration Preview	<p>Preview configurations that have been added.</p> <p>You can double-click or right-click the configurations in the Configuration Preview area, and then modify (copy, cut, paste and delete) them.</p>

Menu Bar

The menu bar is a thin bar found at the top of the main interface. The following figure shows a graphical representation of a menu bar.



The following table provides description of supported menu options.

Menu Name	Menu Item	Menu Shortcut	Description
File(F)	New(N)	Ctrl+N	Create a new interface for the selected phone model. If the configurations are not saved on the current interface, a pop-up message will prompt "Do you want to save your change?". Save the configurations when prompted, otherwise, the configurations will be cleared.
	Open(O)	Ctrl+O	Open an existing configuration file (*.cfg). The configurations in the configuration file will be previewed in the Configuration Preview area

Menu Name	Menu Item	Menu Shortcut	Description
			on the right.
	Save(S)	Ctrl+S	Save current configurations of the phone model to your local system in a CFG formatted file. If you save the file for the first time, you will be asked to give it a name and location. The configuration file name must be <y0000000000xx>.cfg or <MAC>.cfg, refer to Yealink SIP IP Phone Auto Provisioning Guide for more information.
	Save As(A)	Ctrl+Alt+S	Save current configurations of the phone model to local system as a CFG formatted file. You will be asked to rename the file and change the location where you save the file.
	FTP Upload(F)	Alt+F+F	Save current configurations of the phone model to your local system in a CFG formatted file and then upload the file to a FTP server.
	Exit(X)	Alt+F+X	Exit the configuration generator tool.
Configuration (C)	Phone(P)->Memory Key(M)	Alt+C+P+M	Configure memory keys for the phone model.
	Phone(P)->Line Key(L)	Alt+C+P+L	Configure line keys for the phone model.
	Phone(P)->EXT Key(E)	Alt+C+P+E	Configure expansion module keys for the phone model.
	Account(A)	Alt+C+A	Configure account registration settings for the

Menu Name	Menu Item	Menu Shortcut	Description
			phone model.
	Phone Settings(S)	Alt+C+S	Configure general information (language, time zone, NTP server, DST, time and date format, tone set) for the phone model.

Availability of the menu items may differ on different interfaces.

Phone Configuration

Phone configuration interface provides a graphic interface and allows you to click specific keys (e.g., memory keys, line keys, programmable keys) to configure them for the selected phone model, and then generate, modify or delete configuration of these keys.

The following table lists the configurable keys for SIP-T2xP and SIP-T19P IP phones:

Keys	SIP-T28P/T26P	SIPT22P/T21P	SIPT20P	SIPT19P
Line Keys	√	√	√	
Soft Keys	√	√		√
Memory Keys	√			
Navigation Keys	√	√	√	√
OK/√	√	√	√	√
X	√	√	√	
CONF	√			
HOLD	√			
MUTE	√			√
TRAN	√	√	√	√

The following table lists the configurable keys for SIP-T3xG IP phones:

Keys	SIP-T38G	SIP-T32G
Line Keys	√	√
Soft Keys	√	√
Memory Keys	√	

Keys	SIP-T38G	SIP-T32G
Navigation Keys	√	√
OK	√	√
X	√	√
CONF	√	
HOLD	√	
MUTE	√	
TRAN	√	√

The following table lists the configurable keys for SIP-T4X IP phones:

Keys	SIP-T48G/T46G	SIP-T42G/T41P
Line Keys	√	√
Soft Keys	√	√
Navigation Keys	√	√
OK	√	√
X	√	√
HOLD	√	
MUTE	√	√
TRANSFER	√	
Line Keys	√	√

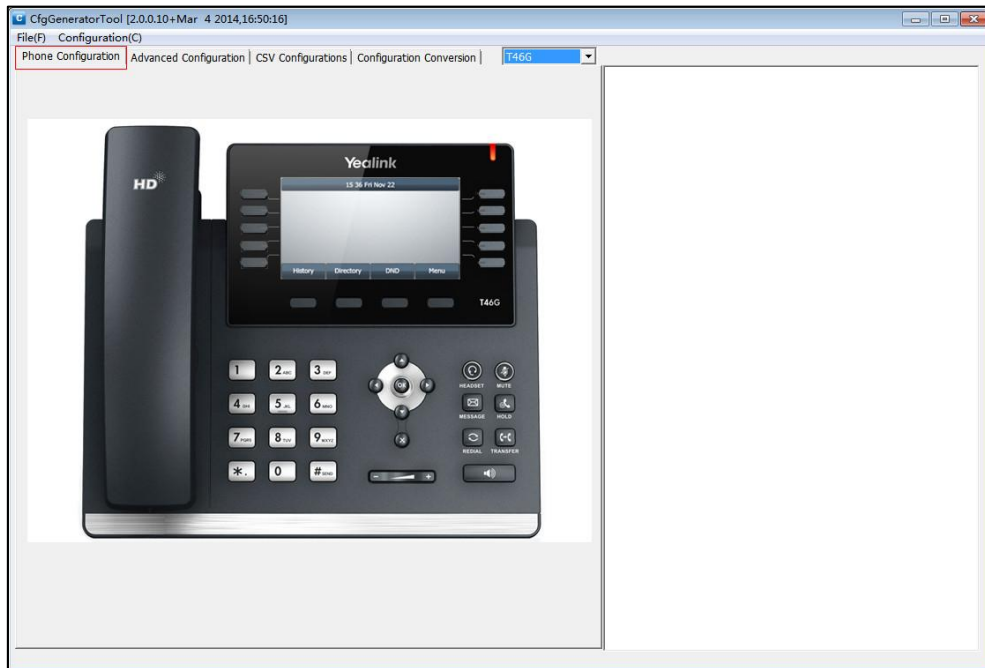
The following table lists the configurable keys for VP530 IP video phone:

Keys	VP530
Line Keys	√
Memory Keys	√

If you hover your mouse pointer over a configurable key, a tooltip "Click to configure - XXX" (XXX stands for the key name) will appear.

Interface Description

Click **Phone Configuration** tab to access its interface. The screenshot of **Phone Configuration** interface is shown as below:



Select the desired phone model from the pull-down list at the top-right corner, and then the corresponding phone image will be displayed on the interface.

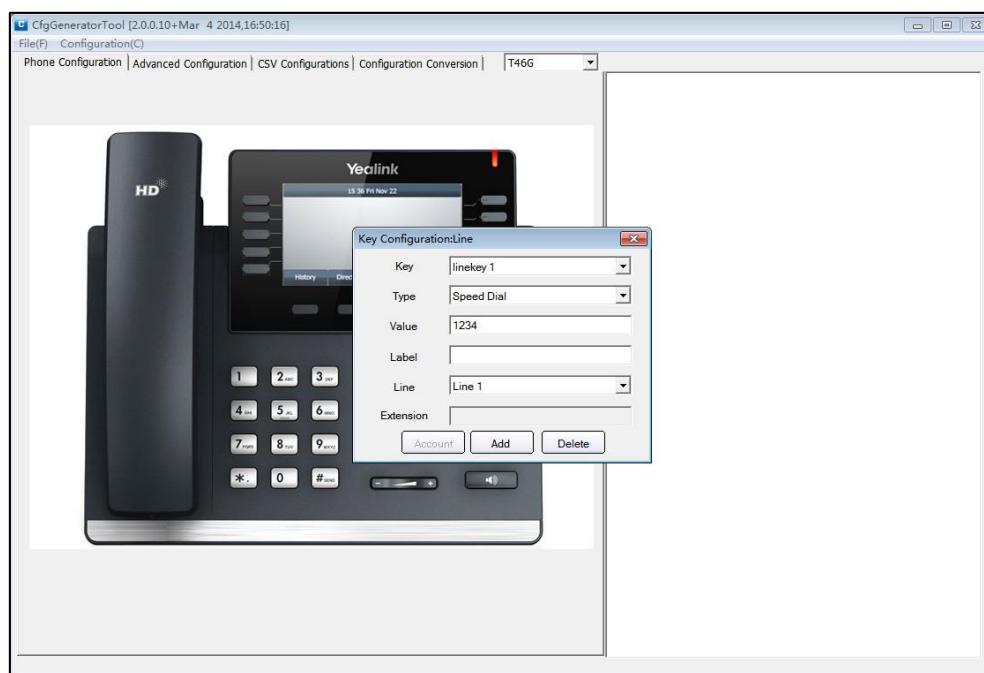


Using the Phone Configuration Interface

This section shows some examples to help you use the phone configuration interface.

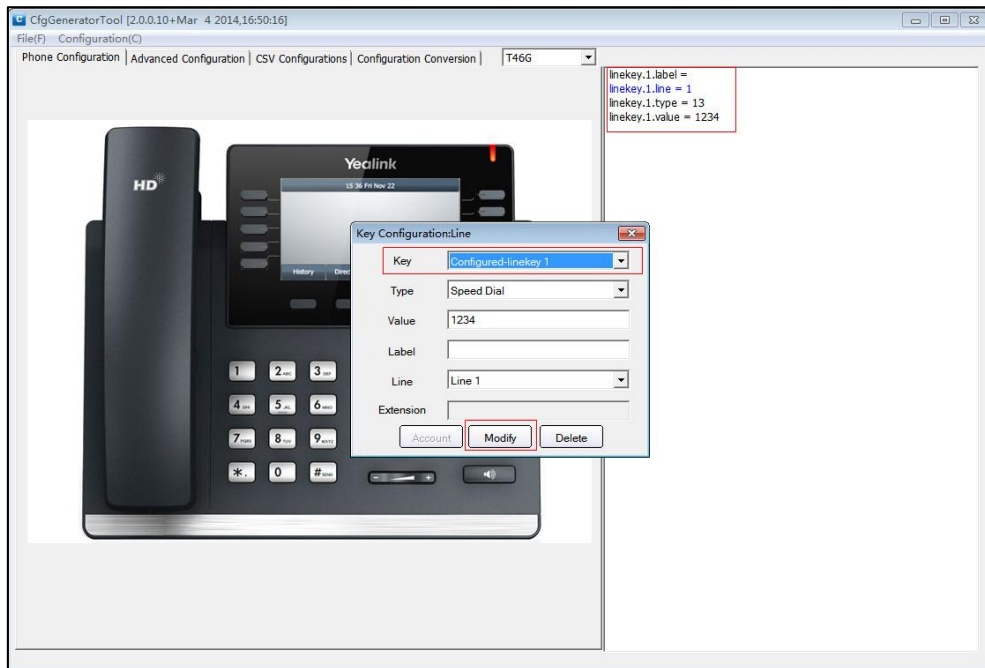
To generate configurations of a speed dial key for SIP-T46G IP phones:

1. Select **T46G** from the pull-down list at the top-right corner.
2. Click a desired key (e.g., line key1).
3. In the pop-up configuration box, configure the key as the speed dial key.
 - 1) Select **Speed Dial** from the pull-down list of **Type**.
 - 2) Enter the phone number you want to dial out in the **Value** field.
 - 3) (Optional.) Enter the string that will appear on the LCD screen in the **Label** field.
 - 4) Select the desired line from the pull-down list of **Line**.



4. Click **Add**.

The configurations of speed dial key are previewed in the **Configuration Preview** area, the key name in the pull-down list of **Key** is changed to Configured-key *name* (e.g., Configured-linekey1), and the **Add** button is changed to **Modify**.



If you want to save the generated configurations in a CFG formatted file, you can click on File(F)->Save or access the Advanced Configuration interface (refer to [Advanced Configuration](#)).

The configurations generated from the Advanced Configuration interface (refer to [Advanced Configuration](#)) can be synchronized to the Configuration Preview area of the Phone Configuration interface, so they can also be saved to the CFG formatted file. We recommend you do not switch to a new phone model before saving configurations.

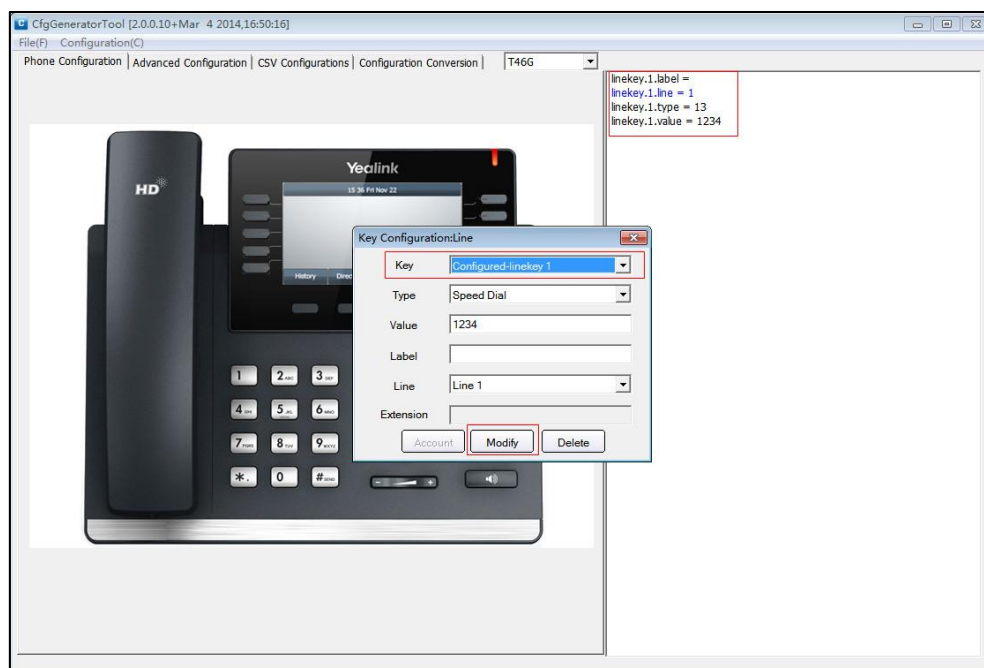
The configuration settings later generated take effect if configurations are generated both from the Phone Configuration interface and Advanced Configuration interface (refer to [Advanced Configuration](#)).

To modify configuration settings of the speed dial key for SIP-T46G IP phones:

1. Select **T46G** from the pull-down list at the top-right corner.

2. Click the pre-configured speed dial key.

The key name in the pull-down list of **Key** is marked with **Configured-**.



3. Modify the desired parameter values.

4. Click **Modify** to modify the settings.

The parameter values previewed in the **Configuration Preview** area will be changed accordingly.

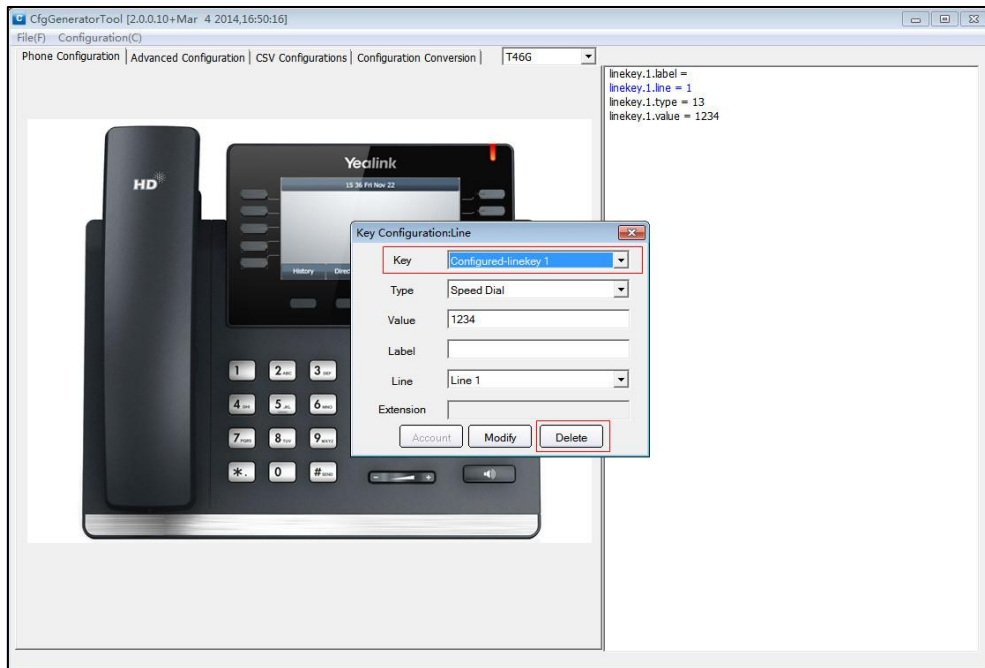
If you want to save the changes to the CFG file, you can click on File(F)->Save or access the Advanced Configuration interface (refer to [Advanced Configuration](#)).

To delete configurations of the speed dial key for SIP-T46G IP phones:

1. Select **T46G** from the pull-down list at the top-right corner.

2. Click the pre-configured speed dial key.

The key name in the pull-down list of **Key** is marked with **Configured-**.



3. Click **Delete** to delete the settings.

The parameters previewed in the **Configuration Preview** area will be deleted accordingly.

If you want to save the changes to the CFG file, you can click on File(F)->Save or access the Advanced Configuration interface (refer to [Advanced Configuration](#)).

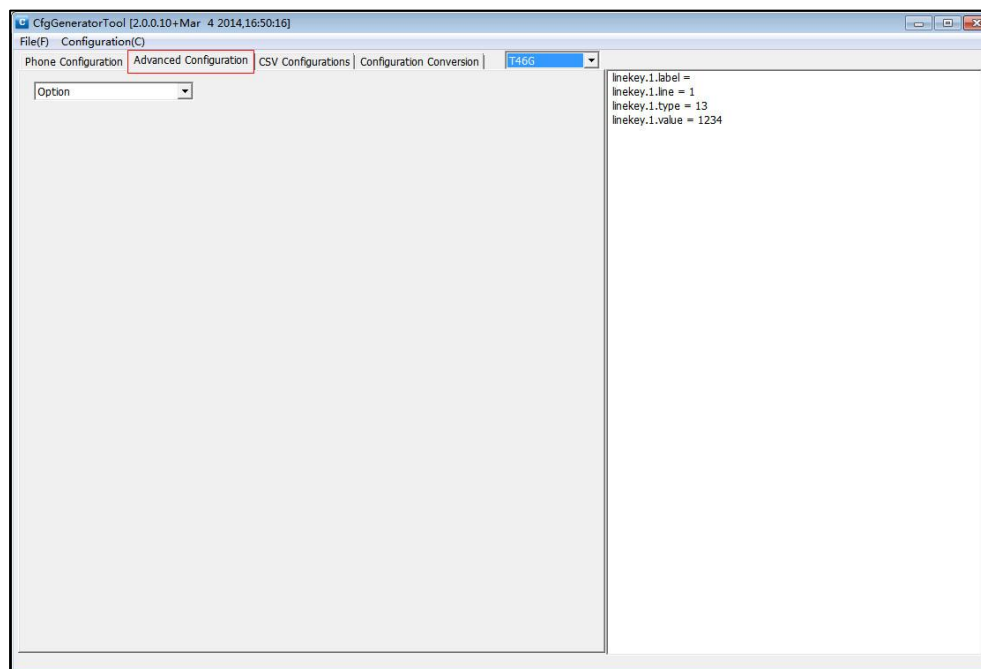
You can also double-click or right-click the configurations in the Configuration Preview area, and then modify (copy, cut, paste and delete) them.

Advanced Configuration

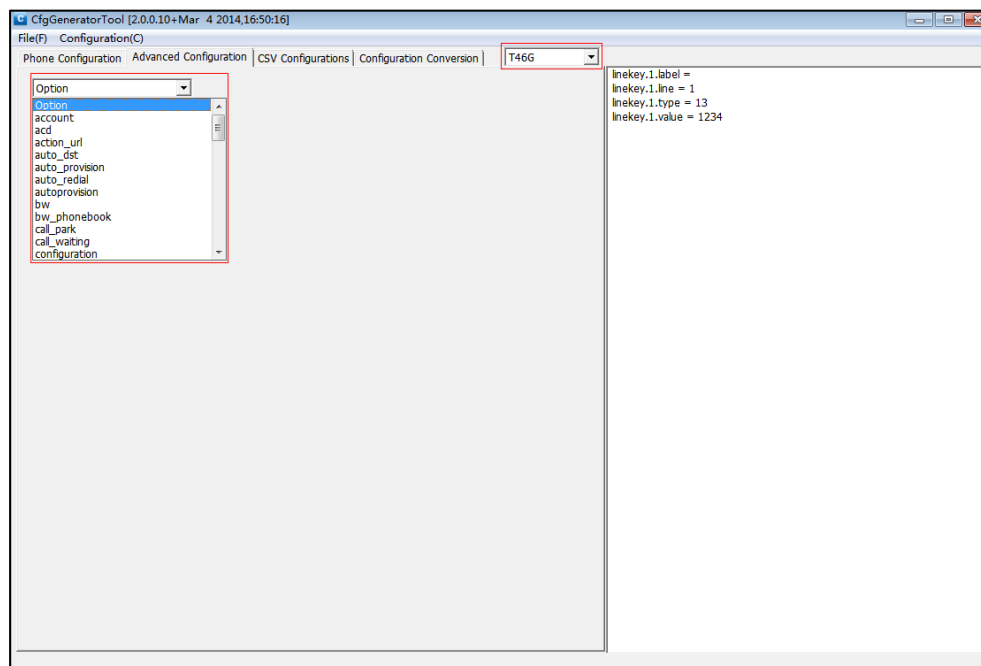
Advanced configuration interface provides available M7 parameter prefixes to search for configurations for each phone model, and allows you to generate configurations of phone features (e.g., ACD, call park, LDAP) for the selected phone model, modify or delete configuration settings of these features.

Interface Description

Click **Advanced Configuration** tab to access its interface. The screenshot of **Advanced Configuration** interface is shown as below:



Click the **Option** field to list the available configuration parameter prefixes for the selected phone model. The parameter prefixes are listed in alphabetical order. You can refer to M7 template files or SIP IP Phones Auto Provisioning Guide to find the configuration parameters.



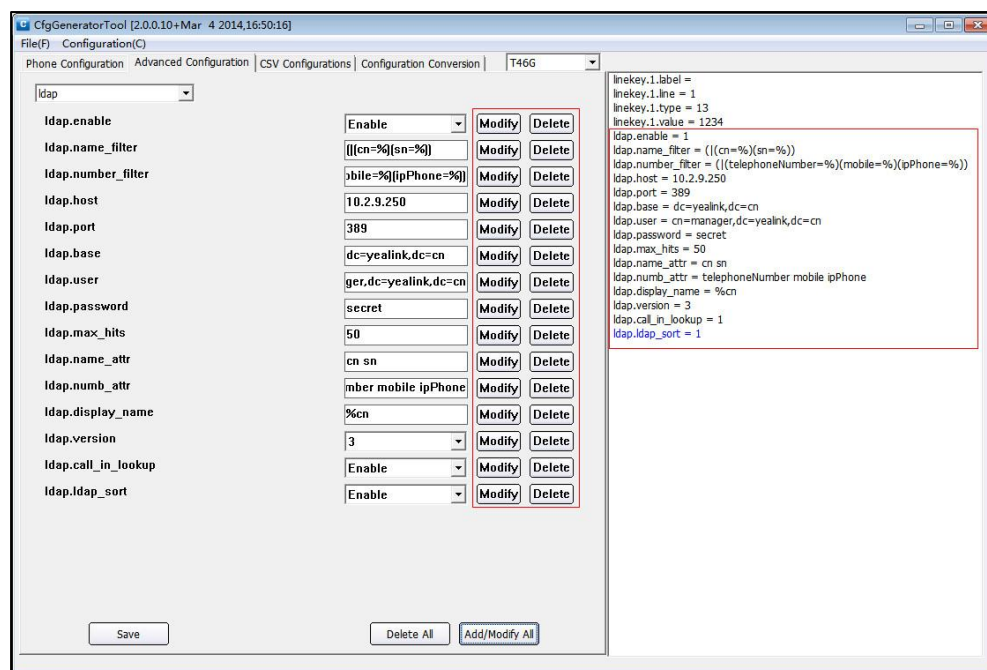
Using the Advanced Configuration Interface

This section shows some examples to help you use the advanced configuration interface.

To generate configurations of LDAP feature for SIP-T46G IP phones:

1. Select **T46G** from the pull-down list at the top-right corner.
2. Select the M7 parameter prefix of LDAP feature “**ldap**” from the pull-down list of **Option**.
3. Do one of the following:
 - Configure a desired parameter and then click **Add** to add the configuration to the **Configuration Preview** area, and repeat this step until all desired configurations are added.
 - Configure all the desired parameters and then click **Add/Modify All** to add all parameters to the **Configuration Preview** area.

The configurations of LDAP are previewed in the **Configuration Preview** area, the **Add** button is changed to **Modify**, and the **Delete** button is added.



4. Click **Save** or **File(F)->Save** to save the configurations in the Configuration Preview area to your local system in a CFG formatted file.

If you save the file for the first time, you will be asked to give it a name and location.

The configurations generated from the Phone Configuration interface can be synchronized to the Configuration Preview area of the Advanced Configuration interface, so they can also be saved to the CFG formatted file. We recommend you do not switch to a new phone model before saving configurations.

The configuration settings later generated take effect if configurations are generated both from the Phone Configuration interface and Advanced Configuration interface.

To modify configuration settings of LDAP feature for SIP-T46G IP phones:

1. Select **T46G** from the pull-down list at the top-right corner.
2. Select the M7 parameter prefix of LDAP feature "**ldap**" from the pull-down list of **Option**.
3. Do one of the following:
 - Modify a desired parameter value and then click **Modify**, and repeat this step until all the desired parameters are modified.
 - Modify all the desired parameters and then click **Add/Modify All**.

The parameter values previewed in the **Configuration Preview** area will be changed accordingly.

4. Click **Save** or **File(F)->Save** to save the changes to the CFG file.

To delete configurations of LDAP for SIP-T46G IP phones:

1. Select **T46G** from the pull-down list at the top-right corner.
2. Select the M7 parameter prefix of LDAP feature "**ldap**" from the pull-down list of **Option**.
3. Do one of the following:
 - Click **Delete** to delete a desired parameter, and repeat this step until all the desired parameters are deleted.
 - Click **Delete All** to delete all parameters.

The parameter previewed in the **Configuration Preview** area will be deleted accordingly.

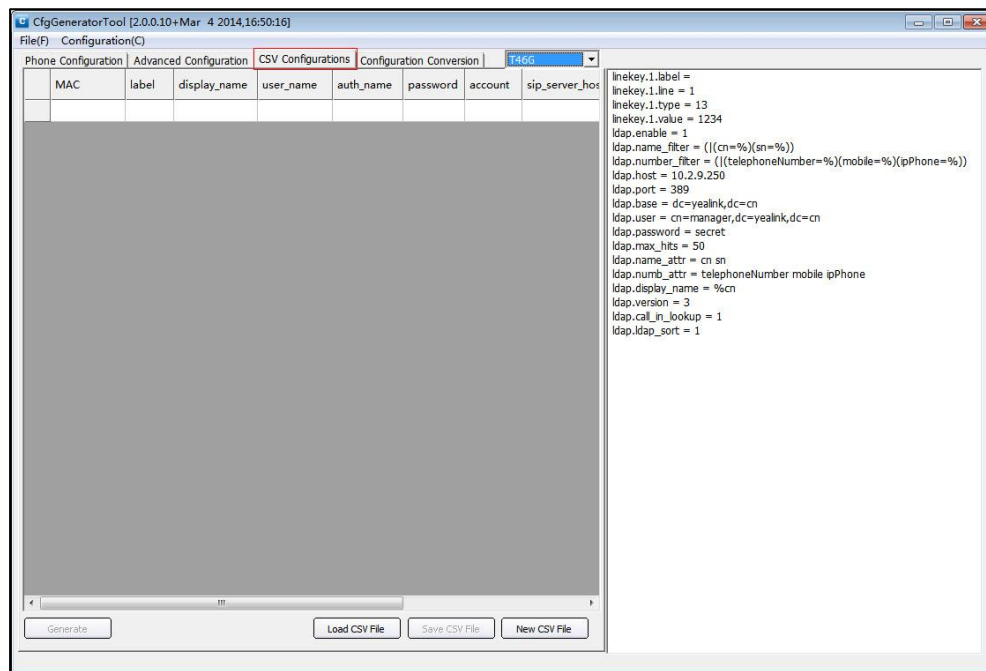
4. Click **Save** or **File(F)->Save** to save the changes to the CFG file.

You can also double-click or right-click the configurations in the Configuration Preview area, and then modify (copy, cut, paste and delete) them.

CSV Configurations

CSV Configurations interface allows you to type account registration information manually or import a CSV file, and then generate <MAC>.cfg files in batch.

Click **CSV Configurations** tab to access its interface. The screenshot of **CSV Configurations** interface is shown as below:



You can enter the desired values in the corresponding fields. The following table lists description and valid values of these fields.

Field Name	Description	Valid Values
MAC	Specify the MAC address of the phone.	12-bit hexadecimal number
label	Specify the label of the account.	String
display_name	Specify the display name of the account.	String
user_name	Specify the user name of the account for registration.	String
auth_name	Specify the user name of the account for authentication.	String
password	Specify the password of the account for authentication.	String

Field Name	Description	Valid Values
account	Specify the desired account.	SIP-T19P: X=1 SIP-T20P/T21P: X ranges from 1 to 2. SIP-T22P/T26P/T41P/T42G: X ranges from 1 to 3. SIP-T28P/T46G/T48G: X ranges from 1 to 6 Note: If you enter an invalid account value for the selected phone model, configurations of this row will not be generated.
sip_server_host1	Specify the IP address or domain name of SIP server1 for the account.	String
sip_server_host2	Specify the IP address or domain name of SIP server2 for the account.	String
enable	Enable or disable the account. 0-Disabled 1-Enabled	0 or 1

In the **Add Account** column, click **+** to add a row to configure a new account registration settings for the corresponding phone.

You can click the buttons on the CSV Configurations interface to do the following:

- Click **Generate** to generate <MAC>.cfg files in batch.

You will be asked to give a location for the <MAC>.cfg files.

The configurations generated from the Phone Configuration interface and Advanced Configuration interface can be synchronized to the Configuration Preview area of the CSV Configurations interface.

The configurations generated from the CSV Configurations interface can be saved to corresponding <MAC>.cfg file.

The configurations in the Configuration Preview area can also be saved to every <MAC>.cfg file.

The configuration settings generated from the CSV Configurations interface take effect if those are also generated from the Phone Configuration interface or Advanced Configuration interface.

- Click **Load CSV File** to import a CSV file.

The screenshot of a CSV file is shown as below:

A	B	C	D	E	F	G	H	I	J
MAC	label	display_name	user_name	auth_name	password	account	enable	sip_server_host1	sip_server_host2
001565000000	wang000	dispaly000	user000	auth000	pass000	1	1	10.2.1.199	10.2.1.199
001565000001	wang001	dispaly001	user001	auth001	dxj001	2	1	10.2.1.199	10.2.1.199
001565000002	wang002	dispaly002	user002	auth002	pass002	2	1	10.2.1.199	10.2.1.199
001565000003	wang003	dispaly003	user003	auth003	pass003	3	1	10.2.1.199	10.2.1.199
001565000004	wang004	dispaly004	user004	auth004	pass004	4	1	10.2.1.199	10.2.1.199
001565000005	wang005	dispaly005	user005	auth005	pass005	5	1	10.2.1.199	10.2.1.199
001565000006	wang006	dispaly006	user006	auth006	pass006	6	1	10.2.1.199	10.2.1.199
001565000007	wang007	dispaly007	user007	auth007	pass007	1	1	10.2.1.199	10.2.1.199
001565000008	wang008	dispaly008	user008	auth008	pass008	1	1	10.2.1.199	10.2.1.199
001565000009	wang009	dispaly009	user009	auth009	pass009	1	1	10.2.1.199	10.2.1.199
001565000010	wang010	dispaly010	user010	auth010	pass010	1	1	10.2.1.199	10.2.1.199
001565000011	wang011	dispaly011	user011	auth011	pass011	1	1	10.2.1.199	10.2.1.199
001565000012	wang012	dispaly012	user012	auth012	pass012	1	1	10.2.1.199	10.2.1.199
001565000013	wang013	dispaly013	user013	auth013	pass013	1	1	10.2.1.199	10.2.1.199
001565000014	wang014	dispaly014	user014	auth014	pass014	1	1	10.2.1.199	10.2.1.199
001565000015	wang015	dispaly015	user015	auth015	pass015	1	1	10.2.1.199	10.2.1.199
001565000016	wang016	dispaly016	user016	auth016	pass016	1	1	10.2.1.199	10.2.1.199
001565000017	wang017	dispaly017	user017	auth017	pass017	1	1	10.2.1.199	10.2.1.199

The tool is compatible with the old CSV file (only one SIP server).

The title names in the CSV file is the same as the field names in the CSV Configurations interface.

- Click **Save CSV File** to save configurations generated from the CSV Configurations interface to your local system in a CSV formatted file.
- Click **New CSV File** to clear configurations generated from the CSV Configurations interface.

Configuration Conversion

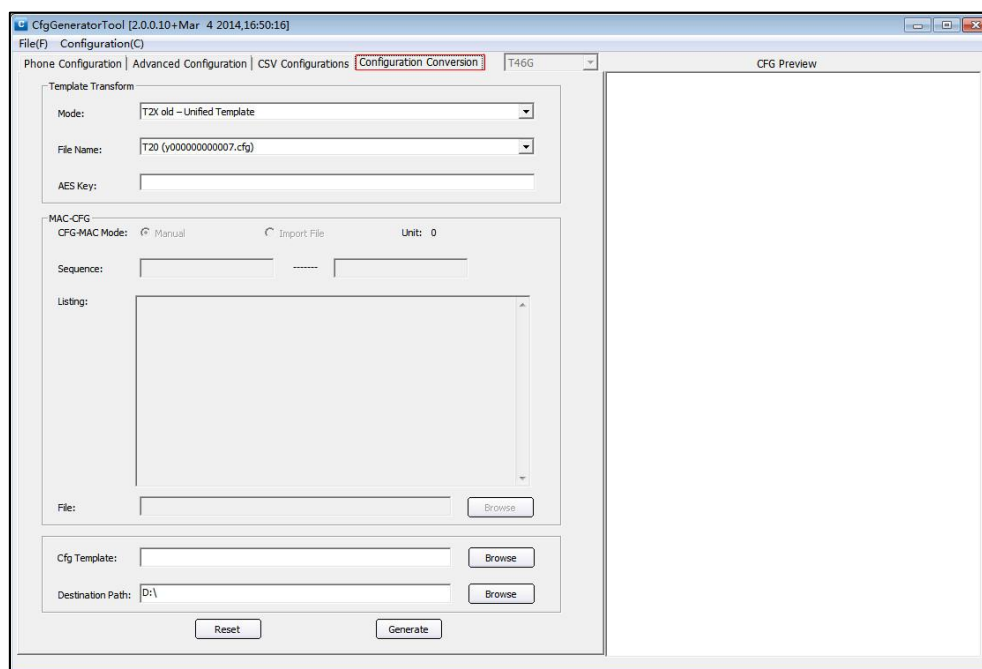
Configuration conversion interface allows you to convert and encrypt configuration files.

The detailed functions include:

- Convert the old (M1) configuration files of SIP-T28P/T26P/T22P/T20P into the new unified (M7) or hybrid (M1+M7) configuration files
- Convert the old (M2) configuration files of SIP-T38G/T32G into the new unified (M7) or hybrid (M2+M7) configuration files
- Generate <MAC>.cfg files in batch based on specific MAC addresses
- Encrypt the configuration files

Interface Description

Click **Configuration Conversion** tab to access its interface. The screenshot of **Configuration Conversion** interface is shown as below:



1. Mode

You can select the conversion mode from the pull-down list of **Mode**. The conversion mode includes:

Conversion Mode	Abbreviation
T2x old – Unified Template	M1-M7
T3x old – Unified Template	M2-M7
T2x old – Hybrid Template	M1-(M1+M7)
T3x old – Hybrid Template	M2-(M2+M7)
Unified Template –MAC(s) Generation	M7-MAC(s)
File –Encryption	

2. File Name

This field is used to specify the file name of the new converted file. It is unavailable when the **Mode** is configured as “**Unified Template –MAC(s) Generation**” or “**File –Encryption**”. The following table lists the file names that can be selected for the configuration files:

File Name
T20 (y0000000000007.cfg)
T22 (y0000000000005.cfg)
T26 (y0000000000004.cfg)
T28 (y0000000000000.cfg)
T32 (y0000000000032.cfg)
T38 (y0000000000038.cfg)

3. AES Key

AES key filled in the **AES Key** field is used to encrypt the configuration files. If the **AES Key** field is left blank, the configuration file will not be encrypted. The AES key must be a string within 16 characters.

The supported characters of the AES key are: 0 ~ 9, A ~ Z, a ~ z.

4. CFG-MAC Mode

This field is used to specify the way for generating the <MAC>.cfg files in batch. It is only configurable when the mode is configured as **Unified Template –MAC(s) Generation**. Available ways:

- **Manual**—Specify the range of the MAC addresses for the <MAC>.cfg files manually and then generate <MAC>.cfg files in batch based on specified MAC addresses and the imported configuration file. For more information on how to specify the MAC addresses, refer to [Sequential](#) on page 19.
- **Import File**—Import the custom CSV/XLS file and then generate <MAC>.cfg files in batch based on the imported CSV/XLS file and configuration file. For more information on how to customize the CSV/XLS file, refer to [File](#) on page 20.

5. Sequential

You can specify the range of the MAC addresses in this field for the generated <MAC>.cfg files when the **CFG-MAC Mode** field is configured as **Manual**. The value values must be 12 characters and the valid characters are: 0~9, a~f and A~F.

6. Listing

You can specify additional MAC addresses in this field for the generated <MAC>.cfg file when the **CFG-MAC Mode** field is configured as **Manual**. The valid values are the same as that of the **Sequential** field. Multiple MAC addresses are separated automatically by carriage returns.

7. Unit

This field is used to display the number of the MAC addresses configured in the **Sequential** and the **Listing** fields.

8. File

This field is configurable when the **CFG-MAC Mode** field is configured as **Import File**. The supported file formats are: .csv or .xls. For example, specify 100 MAC addresses in the imported file, and configure account settings for each MAC address. After converting, 100 <MAC>.cfg files which are named after the 100 MAC addresses will be generated. Only when the account configuration parameters generated from the CSV or XLS file have existed in the imported configuration file, the account settings will be written into the corresponding <MAC>.cfg file. For more information on how to import a configuration file, refer to [Cfg Template](#) on page 21.

The following table lists the available parameters can be specified in the CSV or XLS file:

Field	Description	Valid Values
MAC	Specify the MAC address of the phone.	12-bit hexadecimal number
label	Specify the label of the account.	String
display_name	Specify the display name of the account.	String
user_name	Specify the user name of the account for registration.	String
auth_name	Specify the user name of the account for authentication.	String
password	Specify the password of the account for authentication.	String

Field	Description	Valid Values
account	Specify the desired account.	SIP-T19P: X=1 SIP-T20P/T21P: X ranges from 1 to 2. SIP-T22P/T26P/T41P/T42G: X ranges from 1 to 3. SIP-T28P/T46G/T48G: X ranges from 1 to 6.
sip_server_host1	Specify the SIP server1 of the account.	String
sip_server_host2	Specify the SIP server2 of the account.	String
enable	Enable or disable the account. 0-Disabled 1-Enabled	0 or 1

The following figure shows an example of the CSV or XLS file:

A	B	C	D	E	F	G	H	I	J
MAC	label	display_name	user_name	auth_name	password	account	enable	sip_server_host1	sip_server_host2
001565000000	wang000	disply000	user000	auth000	pass000	1	1	10.2.1.199	10.2.1.199
001565000001	wang001	disply001	user001	auth001	dxj001	2	1	10.2.1.199	10.2.1.199
001565000002	wang002	disply002	user002	auth002	pass002	2	1	10.2.1.199	10.2.1.199
001565000003	wang003	disply003	user003	auth003	pass003	3	1	10.2.1.199	10.2.1.199
001565000004	wang004	disply004	user004	auth004	pass004	4	1	10.2.1.199	10.2.1.199
001565000005	wang005	disply005	user005	auth005	pass005	5	1	10.2.1.199	10.2.1.199
001565000006	wang006	disply006	user006	auth006	pass006	6	1	10.2.1.199	10.2.1.199
001565000007	wang007	disply007	user007	auth007	pass007	1	1	10.2.1.199	10.2.1.199
001565000008	wang008	disply008	user008	auth008	pass008	1	1	10.2.1.199	10.2.1.199
001565000009	wang009	disply009	user009	auth009	pass009	1	1	10.2.1.199	10.2.1.199
001565000010	wang010	disply010	user010	auth010	pass010	1	1	10.2.1.199	10.2.1.199
001565000011	wang011	disply011	user011	auth011	pass011	1	1	10.2.1.199	10.2.1.199
001565000012	wang012	disply012	user012	auth012	pass012	1	1	10.2.1.199	10.2.1.199
001565000013	wang013	disply013	user013	auth013	pass013	1	1	10.2.1.199	10.2.1.199
001565000014	wang014	disply014	user014	auth014	pass014	1	1	10.2.1.199	10.2.1.199
001565000015	wang015	disply015	user015	auth015	pass015	1	1	10.2.1.199	10.2.1.199
001565000016	wang016	disply016	user016	auth016	pass016	1	1	10.2.1.199	10.2.1.199
001565000017	wang017	disply017	user017	auth017	pass017	1	1	10.2.1.199	10.2.1.199

The tool is compatible with the old CSV or XLS file (only one SIP server).

9. Cfg Template

The **Cfg Template** field is used to locate the configuration file to be converted on your local system. Click **Browse** to locate the configuration file.

10. Destination Path

You can set the destination path for the converted configuration file in the **Destination Path**. The default directory is: D:\.

11. Reset

Click **Reset** to reset the settings of the Configuration Conversion interface to the defaults.

12. Generate

Click **Generate** to convert or encrypt the configuration file.

Using the Configuration Conversion Interface

This section shows some examples to help you use the configuration conversion interface.

To convert a M1 configuration file into a M7 configuration file:

1. Select **T2X old – Unified Template** from the pull-down list of **Mode**.
2. Select the file name of the converted file from the pull-down list of **File Name**.
3. Click **Browse** in the **Cfg Template** field to locate the M1 configuration file from your local system.

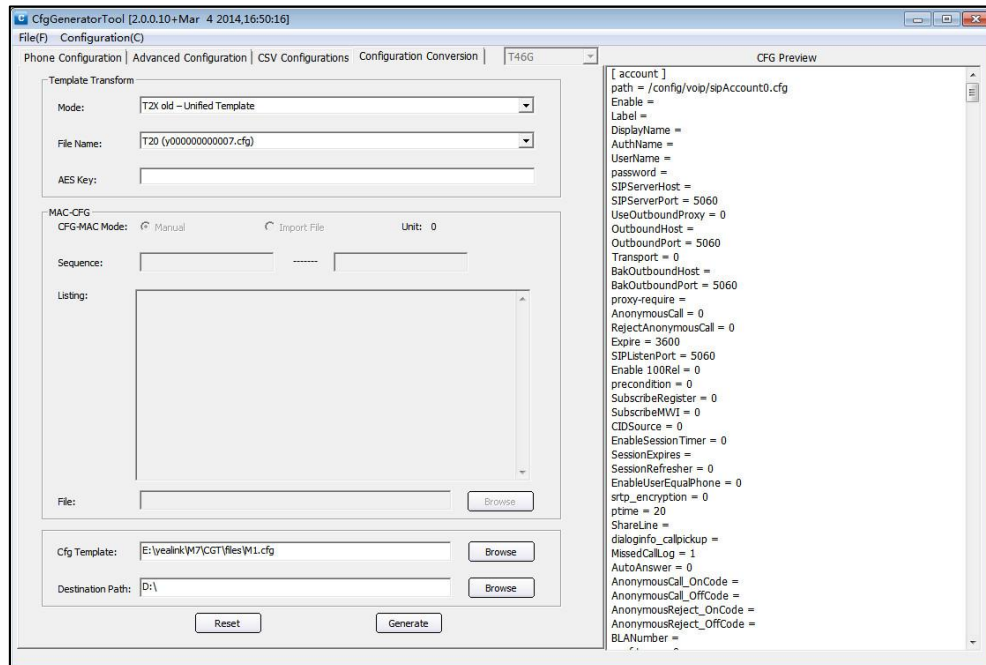
The configurations in the M1 configuration file are previewed in the **Configuration Preview** area.

4. Click **Browse** in the **Destination Path** field to set the directory for saving the converted configuration file. The default directory is "D:\".

5. Click **Generate** to generate a M7 configuration file.

A folder named “Deploy_Generation” is created automatically in the destination directory. You can find the M7 configuration file in this folder.

Operation interface is shown as the following figure:



To convert a M1 configuration file into a M1+ M7 configuration file:

1. Select **T2X old – Hybrid Template** from the pull-down list of **Mode**.
2. Select the file name of the converted file from the pull-down list of **File Name**.
3. Click **Browse** in the **Cfg Template** field to locate the M1 configuration file from your local system.

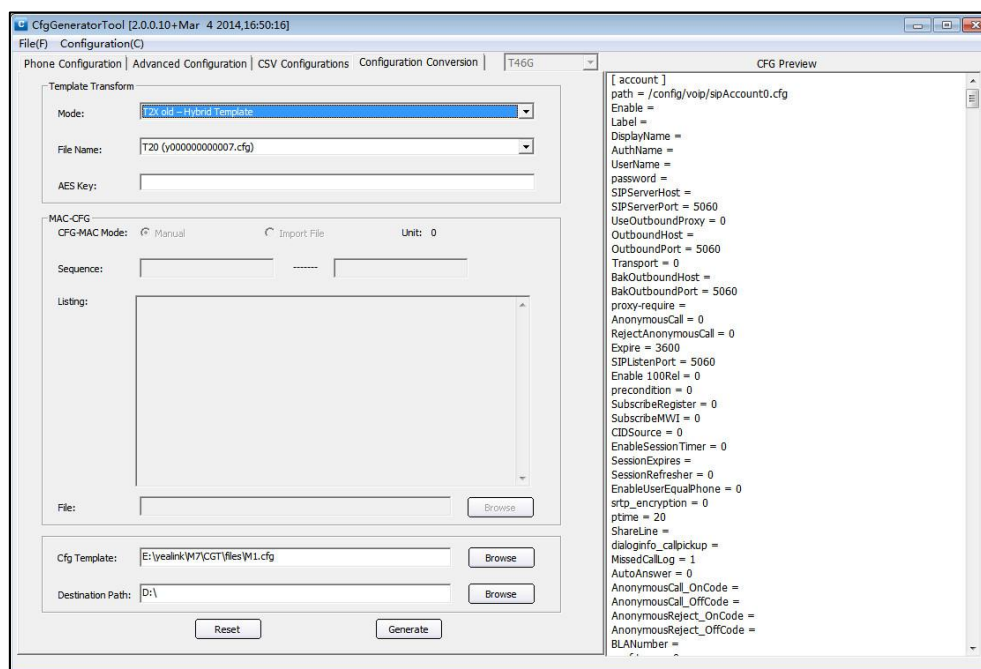
The configurations in the M1 configuration file are previewed in the **Configuration Preview** area.

4. Click **Browse** in the **Destination Path** field to set the directory for saving the converted configuration file. The default directory is “D:\”.

- Click **Generate** to generate a M1 + M7 configuration file.

A folder named “Deploy_Generation” is created automatically in the destination directory. You can find the M1 + M7 configuration file in this folder.

Operation interface is shown as the following figure:



To convert a M7 configuration file into multiple <MAC>.cfg files when the CFG-MAC mode is configured as Manual:

You can convert the M7 configuration file to multiple <MAC>.cfg files, which will be named after the specified MAC addresses.

- Select **Unified Template –MAC(s) Generation** from the pull-down list of **Mode**.
- Mark the **Manual** radio box in the **CFG-MAC Mode** field.
- Enter the range of the MAC addresses in the **Sequential** field. For example, “001565a10030” - “001565a10039”.

You can also enter the additional MAC addresses in the **Listing** field (the tool will automatically break the line after entering 12 characters).

The **Unit** field shows the number of the MAC addresses configured in the **Sequential** and the **Listing** fields.

- Click **Browse** in the **Cfg Template** field to locate the M7 configuration file from your local system.

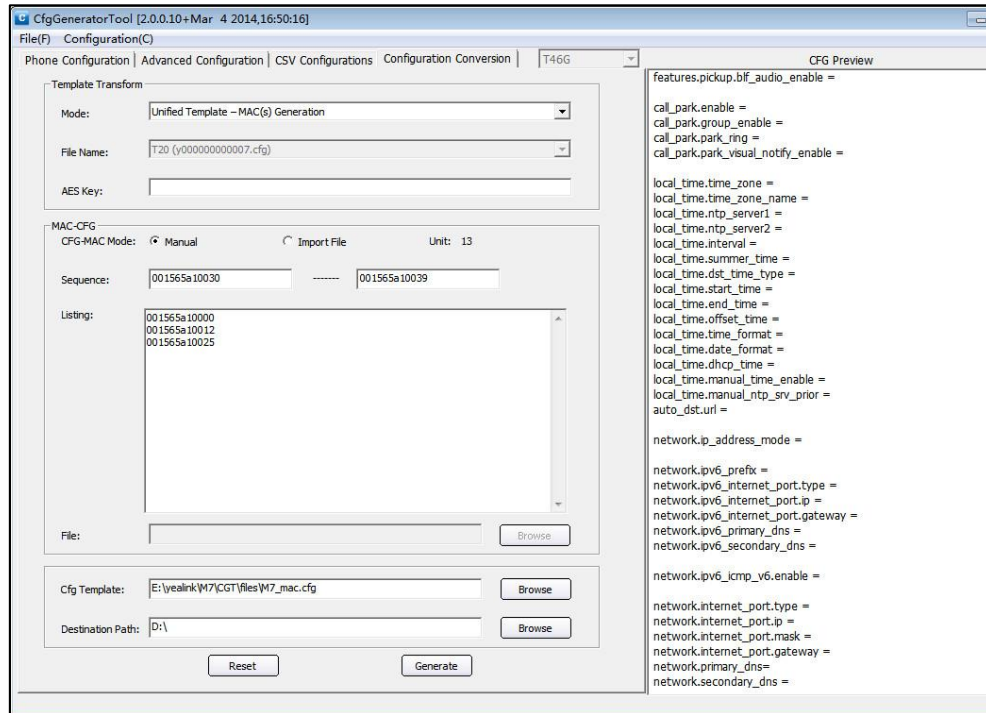
The configurations in the M7 configuration file are previewed in the **Configuration Preview** area.

- Click **Browse** in the **Destination Path** field to set the directory for saving the converted files. The default directory is “D:\”.

- Click **Generate** to generate the <MAC>.cfg files.

A folder named “Deploy_Generation” is created automatically in the destination directory. You can find the <MAC>.cfg files in this folder.

Operation interface is shown as the following figure:



If you want to register accounts on multiple IP phones using <MAC>.cfg files, you need the <MAC>.cfg files with the desired account configurations. Specify the MAC addresses (the MAC addresses of the phones you want to register on) and account configurations in the CSV or XLS file introduced above in advance. The tool will generate multiple <MAC>.cfg files which are named after the specified MAC addresses, and may write the account configurations in the CSV or XLS file into the corresponding generated <MAC>.cfg files.

To convert a M7 configuration file into multiple <MAC>.cfg files when the CFG-MAC mode is configured as Import File:

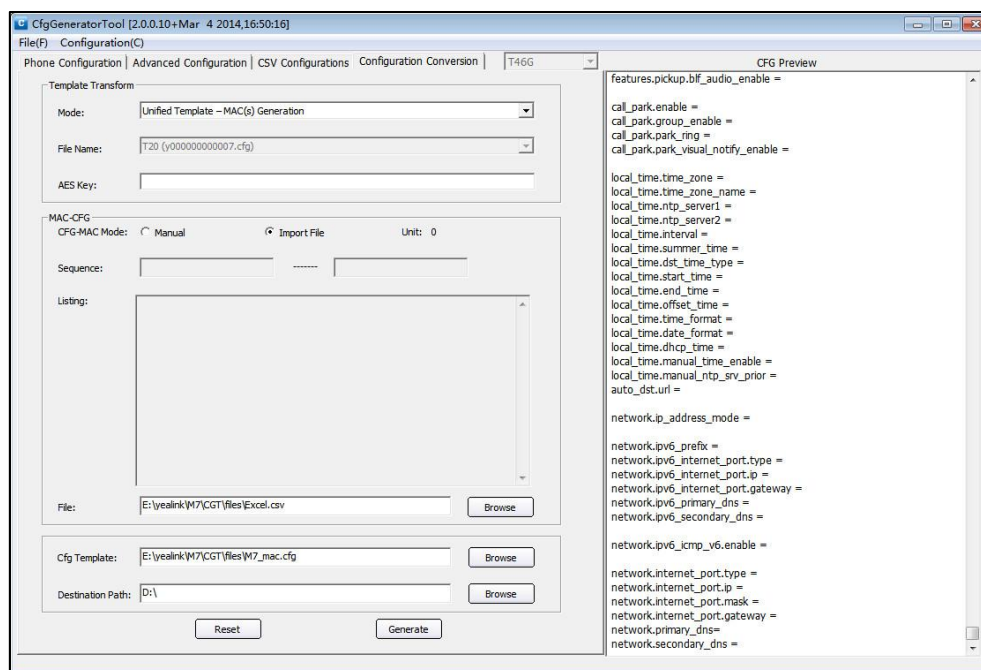
- Select **Unified Template -MAC(s) Generation** from the pull-down list of **Mode**.
- Mark the **File Import** radio box in the **CFG-MAC Mode** field.
- In the **File** field, click **Browse** to locate a CSV or XLS file from your local system. Only when the account configuration parameters generated from the CSV or XLS file have existed in the configuration file, the account settings will be written into the corresponding <MAC>.cfg file.
- Click **Browse** in the **Cfg Template** field to locate the M7 configuration file from your local system.

The configurations in the M7 configuration file are previewed in the **Configuration Preview** area.

5. Click **Browse** in the **Destination Path** to locate the destination directory for saving the converted file. The default directory is "D:\".
6. Click **Generate** to convert the configuration file.

A folder named "Deploy_Generation" is created automatically in the destination directory. You can find the <MAC>.cfg files in this folder.

Operation interface is shown as the following figure:



To encrypt the configuration file:

1. Select **File -Encryption** from the pull-down list of **Mode**.
2. Enter 16 characters in the **AES Key** field.
3. Click **Browse** in the **Cfg Template** field to locate the configuration file to be encrypted.

The configurations in the configuration file are previewed in the **Configuration Preview** area.

4. Click **Browse** in the **Destination Path** to locate the destination directory for saving the encrypted file. The default directory is "D:\".

5. Click **Generate** to encrypt the configuration file.

A folder named “Deploy_Generation” is created automatically in the destination directory. You can find the encrypted configuration file in this folder. The name of the configuration file is not changed.

Operation interface is shown as the following figure:

