



Color screen phone picture upgrade description

Version: <1.1>

Date: <2019-09-27>

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1 Function Description

Fanvil color screen phone support standby background and titlelogo custom upgrade function, which H5 model phone also support shortcut icon custom upgrade.

It can be upgraded via web or Auto Provision.
Image support. BMP,. Tar. gz two upgrade format.

2 Image Format

1. The format of background diagram of each model of color screen telephone set is as follows:

Table 1 - Color screen series background picture format

Mode	Pixel size (W*H)	Depth of color	Format	File size	File Name
X3S/X4	320*240	16bit RGB565	bmp	About 150K	Not Limit
X3SG	320*240	16bit RGB565	bmp	About 150K	Not Limit
X3U	320*240	16bit RGB565	bmp	About 150K	Not Limit
X4U	320*240	16bit RGB565	bmp	About 150K	Not Limit
X5S	480*320	16bit /24bit RGB565	bmp	About 300K	Not Limit
X5U	480*320	16bit RGB565	bmp	About 300K	Not Limit
X6-Main Screen	480*272	24bit RGB888	bmp	About 380K	Not Limit
X6-Vice Screen	240*320	16bit RGB565	bmp	About 150K	Not Limit
X6U	480 * 272	24bit RGB888	bmp	About 380K	Not Limit
X7	800*480	24bit RGB888	bmp	About 1.00MB	Not Limit
X7C	800*480	24bit RGB888	bmp	About 1.00MB	Not Limit
X210/X210i- Main Screen	480*272	24bit RGB888	bmp	About 380K	Not Limit
X210/X210i- Vice Screen	320*480	16bit RGB565	bmp	About 300K	Not Limit

2. The format of DSSkey icon of each model of color screen phone is shown in the following table:

Table 2 - Color screen each model DSSkey icon format

Mode	Pixel size (W*H)	Depth of color	Format	File size	File Name
X3S/X4	-	-	-	-	-
H5	54*54	16bit RGB565	bmp	About 5K	Please refer to Table 3
X4U-Side Key	25*25	32bit	Png	About 3K	Please refer to Table 4 Normal DSSkey name
X4U-Vice Screen DSS	42*42	32bit	Png	About 3K	Please refer to Table 4 Normal DSSkey name
X5U-Side Key	25*25	32bit	Png	About 3K	Please refer to Table 4 Normal DSSkey name
X5U-Vice Screen DSS	42*42	32bit	Png	About 3K	Please refer to Table 4 Normal DSSkey name
X6U-Side Key	25*25	32bit	Png	About 3K	Please refer to Table 4 Normal DSSkey name
X6U-Vice Screen DSS	42*42	32bit	Png	About 3K	Please refer to Table 4 Normal DSSkey name
X5S	-	-	-	-	-
X6-Vice Screen DSS	42*42	32bit	Png	About 3K	Please refer to Table 4 Normal DSSkey name
X7	-	-	-	-	-
X7C-Side Key	31*31	32bit	Png	About 4K	Please refer to Table 4 Side DSSkey name
X210/X210i- Side Key	25*25	32bit	Png	About 2K	Please refer to Table 4 Side DSSkey name
X210/X210i- Vice Screen DSS	42*42	32bit	Png	About 3K	Please refer to Table 4 Normal DSSkey name

3. The name of each icon of the button about H5 ip phone is as follows:

Table 3 - Phone custom icon naming

Name	File name	Format	File size	Pixel size (W*H)
Reception	ICON_RECEPTION	bmp	About 5K	54*54
Service	ICON_SERVICE	bmp	About 5K	54*54
Cleaning	ICON_CLEANING	bmp	About 5K	54*54
Wakeup	ICON_WAKEUP	bmp	About 5K	54*54
Emergency	ICON_EMG	bmp	About 5K	54*54
Manager	ICON_MANAGER	bmp	About 5K	54*54

Note: the background color of the shortcut picture is black, so that the background color can be removed when upgrading, and the LCD display icon will be displayed as a circle.

4. The name of each icon of DSS key under standby of color screen phone is as follows:

Table 4 - DSS &Side DSS Key icon name

DSSkey Type	Side DSSkey name	Normal DSSkey name
BLF List	side_custom_dss_blflist.png	custom_dss_blflist.png
DTMF	side_custom_dss_dtmf.png	custom_dss_dtmf.png
None	side_custom_dss_edit.png	custom_dss_edit.png
Key event	side_custom_dss_keyevent.png	custom_dss_keyevent.png
Line	side_custom_dss_line.png	custom_dss_line.png
URL&Action URL	side_custom_dss_url.png	custom_dss_url.png
Mcast	side_custom_dss_mcast.png	custom_dss_mcast.png
Memory Key/Attend Transfer	side_custom_dss_mem_axfer.png	custom_dss_mem_axfer.png
Memory Key/Blind Transfer	side_custom_dss_mem_bxfer.png	custom_dss_mem_bxfer.png

Memory Key/Call park	side_custom_dss_mem_callpark.png	custom_dss_mem_callpark.png
Memory Key/Call Forward	side_custom_dss_mem_cfw.png	custom_dss_mem_cfw.png
Memory Key/Conference	side_custom_dss_mem_conf.png	custom_dss_mem_conf.png
Memory Key/DTMF	side_custom_dss_mem_dtmf.png	custom_dss_mem_dtmf.png
Memory Key/Intercom	side_custom_dss_mem_intercome.png	custom_dss_mem_intercome.png
Memory Key/MWI	side_custom_dss_mem_mwi.png	custom_dss_mem_mwi.png
Memory Key/New Call	side_custom_dss_mem_newcall.png	custom_dss_mem_newcall.png
Memory Key/None	side_custom_dss_mem_none.png	custom_dss_mem_none.png
Memory Key/Present	side_custom_dss_mem_present.png	custom_dss_mem_present.png
Memory Key/Speed Dial	side_custom_dss_mem_spdial.png	custom_dss_mem_spdial.png

5. The format of Title logo of each model of Fanvil color screen phone is shown in the following table:

Table 5 - titlebarH format

Mode	Pixel Size WxH	Depth of color	Format	File size	File name
X3S/X4/H5/D5	W<=Screen width; H< titlebarH	16bit RGB565	bmp	About 10K	TITLE_LOGO

TitlebarH is shown below:

A: H5-H=40

B: X3S/X4/D5-H=35

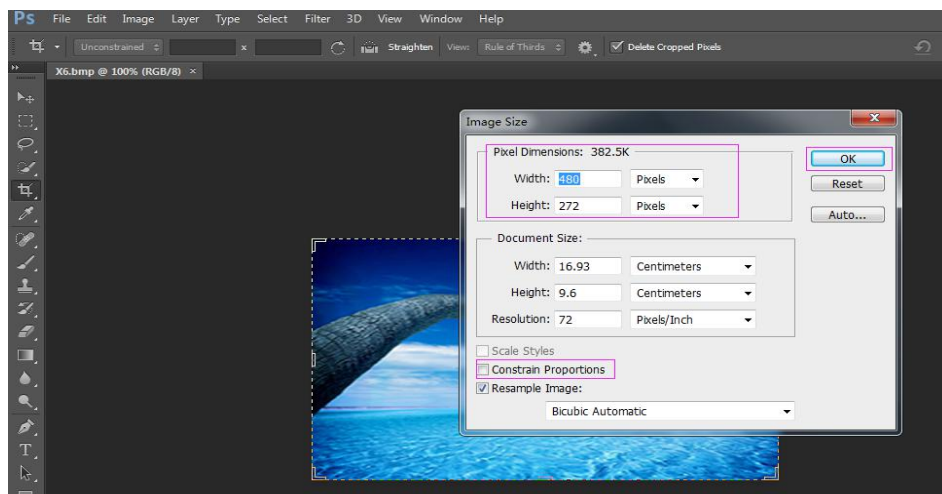
*Note: the X5S&X6 series does not support logo custom upgrade
for the time being.*

3 Image Production

1. Tool: PhotoShop

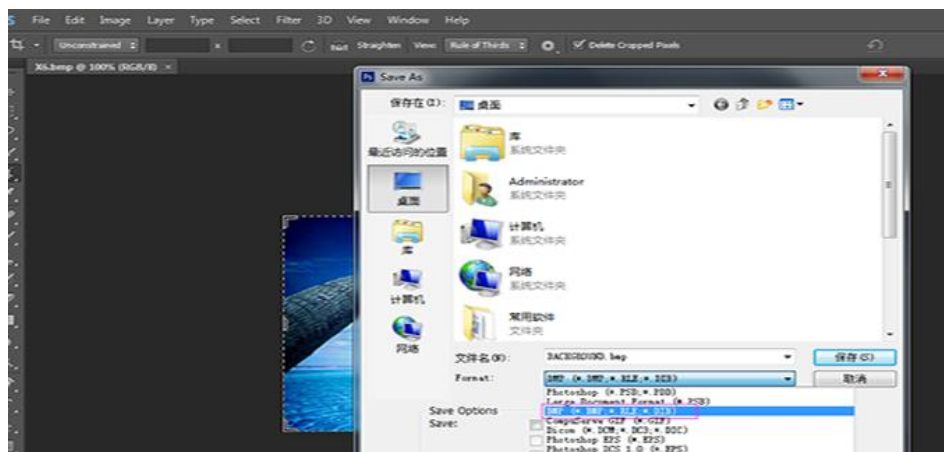
2. Procedure

2.1 Launch the PhotoShop, open an image, and choose Image > Image Size. The following interface is displayed:

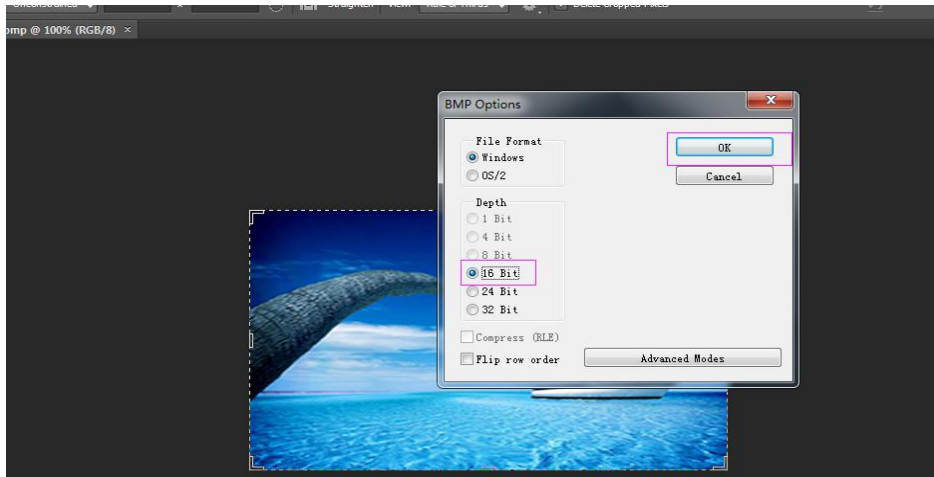


Set the width and height. Do not select **Constraint Proportions**. Click **OK**.

2.2 Choose File > Save As. Select the BMP format, as shown below:



2.3 Click **Save**. The following interface is displayed to select color depth.



Select a color depth according to the phone model. Click **OK** to complete image production.

3. The production method of title logo and speed dial shortcut icon also follows the preceding procedure.

4. Compression method of etc.tar.gz file

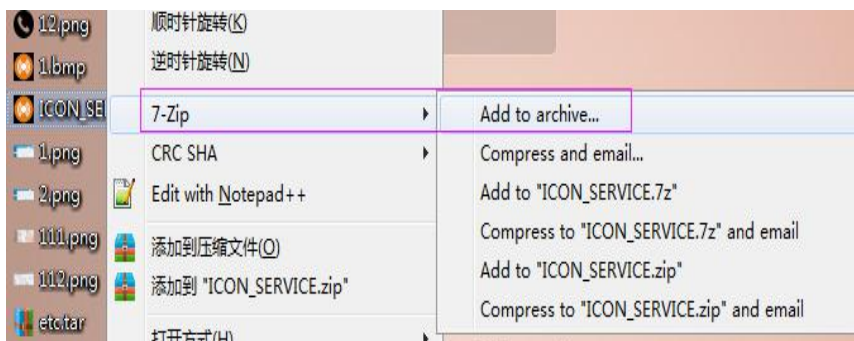
Compress the preceding .bmp image into the etc.tar.gz format.

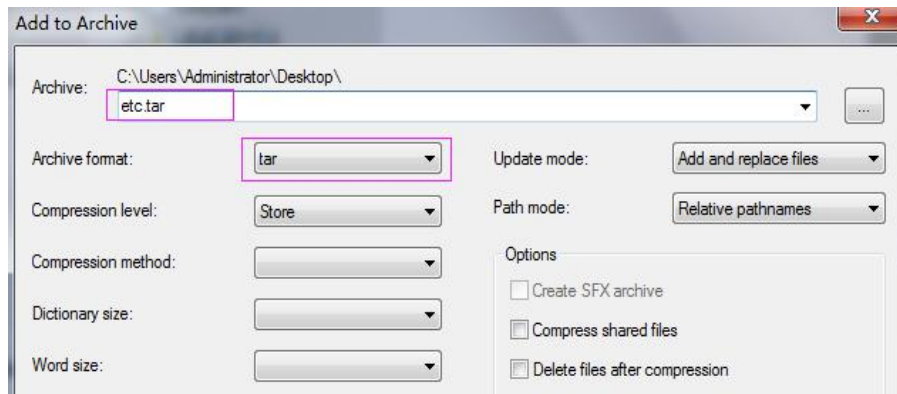
The method is as follows:

Use the 7-Zip file.

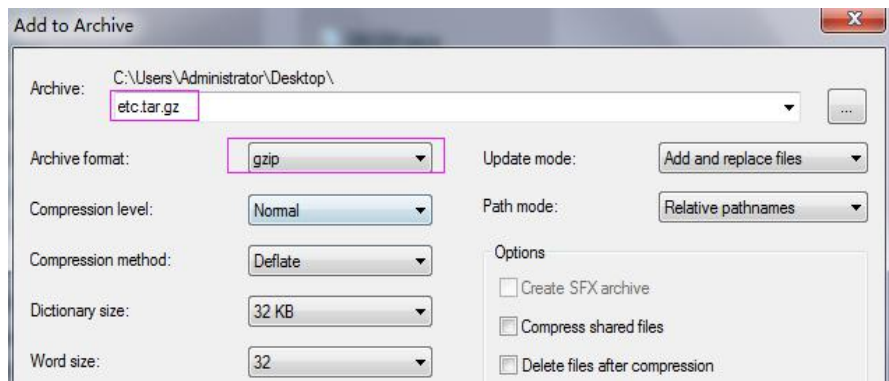
For example, compress the ICON_SERVICE.bmp file.

1) Select a file and right-click it. Choose 7-Zip > Add to archive... from the shortcut menu. Select the format tar and click OK to generate an etc.tar file, as shown below:





2) Right-click the etc.tar file. Choose 7-Zip > Add to archive... from the shortcut menu. Select the format gzip and click OK to generate the etc.tar.gz file, as shown below:



4 Phone Upgrade

4.1 Background image of web page upgrade

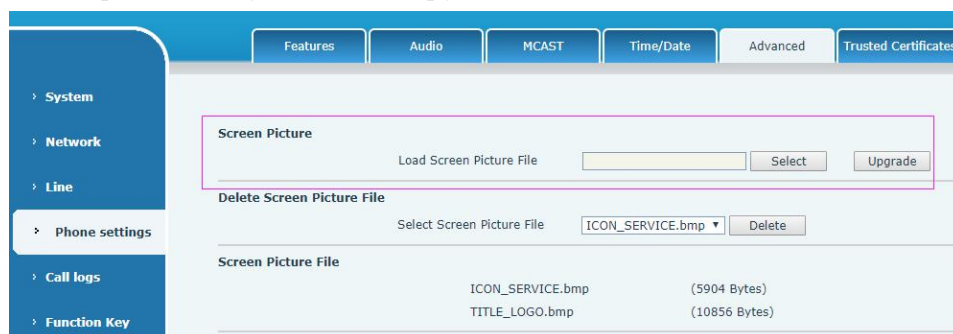
Upgrading the background of X3S/X4/H5

H5 phones support the upgrade of title logo and speed dial shortcut icons in standby mode.

Log in to the webpage of the phone. Choose Phone settings > Advanced > Screen Picture.

Upgrade the background image, title logo, and dial speed icons, as shown below:

The .bmp and etc.tar.gz files can be upgraded.

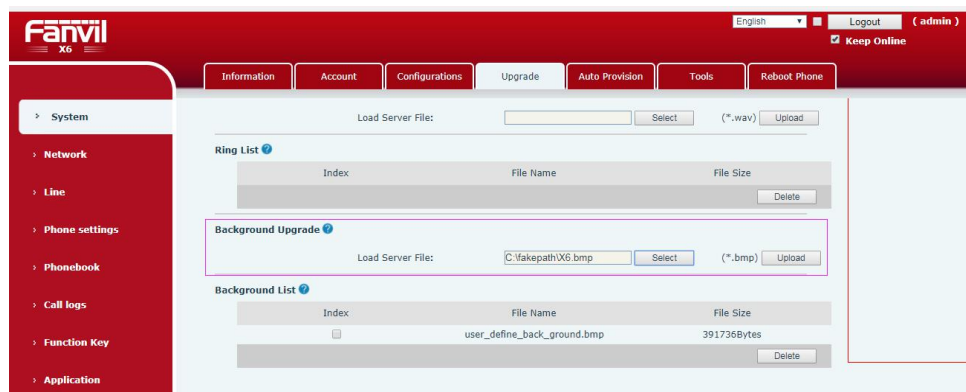


After the upgrade, you can view a picture list on the lower part of the page, where you can also remove pictures.

Upgrading X4U/X5U/X6U/X5S/X6/X7/X7C/X210/X210i

Log in to the web page of the phone. Choose System > Upgrade > Background Upgrade.

Upgrade the background image, as shown below:



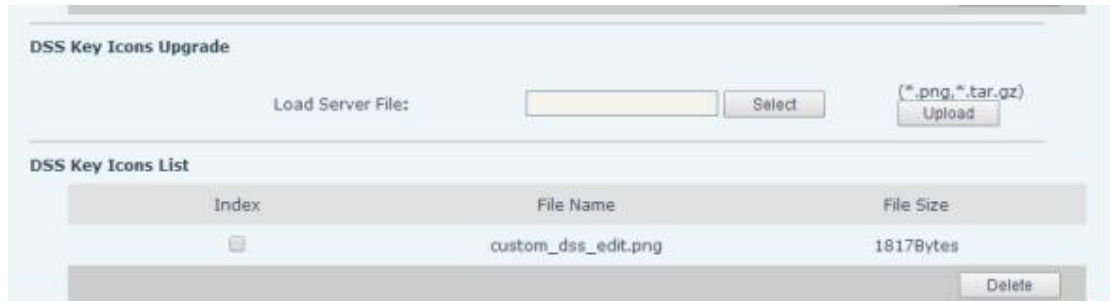
After the upgrade, you can view a background list on the lower part of the page, where you can also remove the background images.

Upgrade DSSkey Icons X4U/X5U/X6U/X5S/X6/X7/X7C/X210/X210i

There are two ways to upgrade:

1) Direct upgrade (.Png)

Website System->Upgrade->DSSkey Icons Upgrade can be upgraded to customize the DSSkey Icon. The upgrade icon will be displayed on the DSS Key Icons List. (The page upgrade icon requires the name of table 4)



2) Package upgrade (.tar.gz)

When users want to upgrade multiple icons, they can be packaged and upgraded.

Packaging format: xxx.tar.gz, Support custom naming.

1) Linux Package xxx.tar.gz

Put the packaged files in a directory and pack them with the packaging tool that supports the tar command.

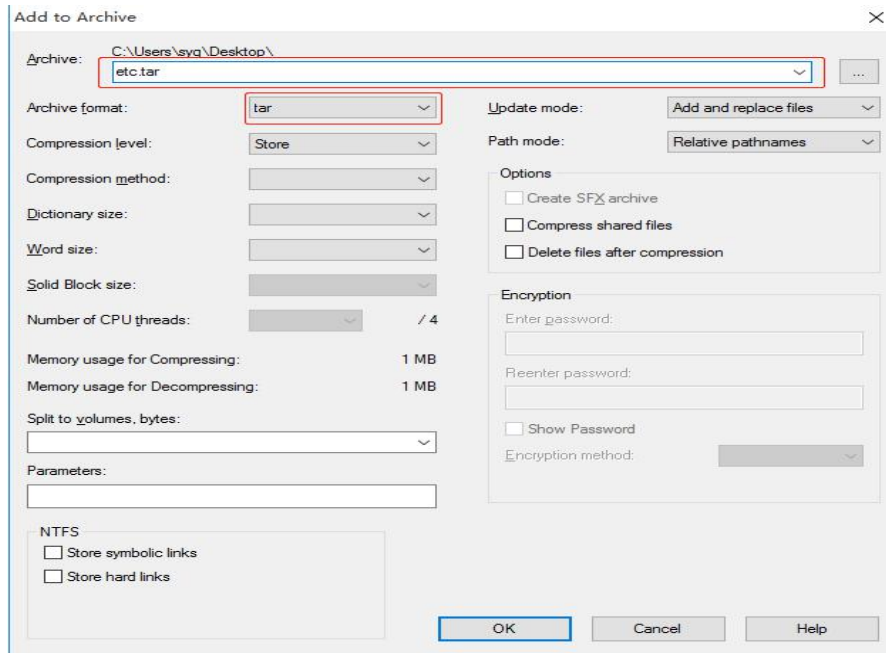
For example Ubuntu: etc.tar.gz

Command: tar -zcvf etc.tar.gz xxx.png xxx1.png

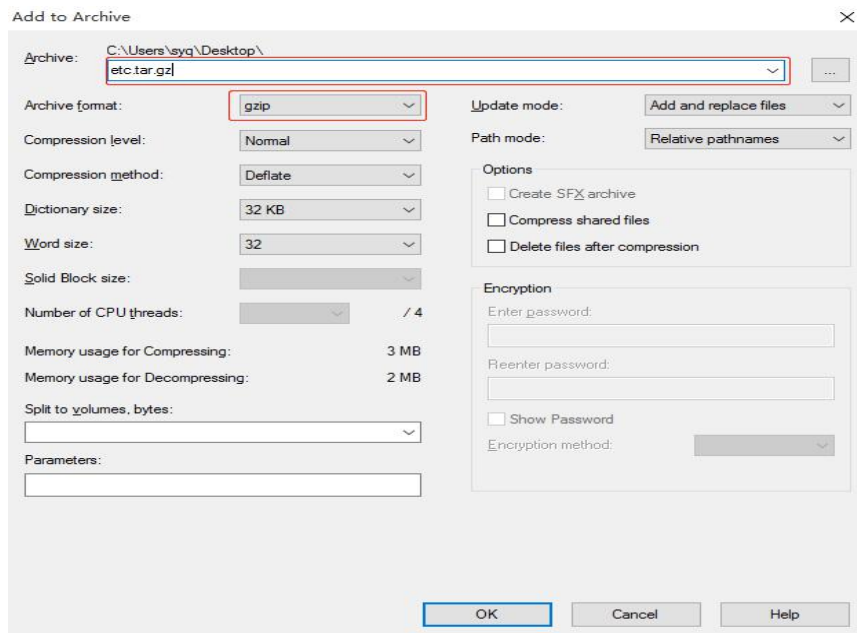
2) Windows Package xxx.tar.gz

Using 7-Zip compression tool

- 1) Select the file to be packaged, right-click the mouse button, click "7-Zip", "Add to the compressed package" compression format, select "tar" click OK button to generate etc. tar file. Figure:



- 2) Then right-click on the etc. tar file and click on the "7-Zip", "Add to the Compression Pack" compression format in turn. Select the "gzip" click OK button to generate the etc. tar. GZ file, as shown in:



After the upgrade is completed, you can select the icon of custom DSSkey in the web page.

Side Dsskey Settings

Key	Type	Name	Value	Subtype	Line	Media	PickUp Number	Icon Color
F 1	Line			None	6502@SIP1	DEFAULT		Custom
F 2	Line			None	21976@SIP2	DEFAULT		Default Green
F 3	Line			None	SIP3	DEFAULT		Custom
F 4	Line			None	SIP4	DEFAULT		Default Green
F 5	Line			None	SIP5	DEFAULT		Default Green
F 6	Line			None	SIP6	DEFAULT		Default Green
F 7	Key Event			Voice Mail	AUTO	DEFAULT		Default Green
F 8	Key Event			Headset	AUTO	DEFAULT		Default Green
F 9	MCAST Pigin		239.1.1.1:1388	G.711U	AUTO	DEFAULT		Default Green
F 10	Memory Key		1155	Intercom	21976@SIP2	DEFAULT		Default Green

Apply

4.2 Auto Provision

X34 series phone Auto Provision background picture and Title logo. H5 phone also supports standby under the speed play shortcut key icon upgrade.

The <AUTOUPDATE CONFIG MODULE> MODULE in the configuration file adds the url.
 “Auto Etc Url”, Support server type : http//https/ftp/tftp;

Example:

```

Auto Etc Url :ftp://1:1@172.16.6.62/BACKGROUND.bmp (Pictures name can custom)
Auto Etc Url :ftp://1:1@172.16.6.62/TITLE_LOGO.bmp
Auto Etc Url :ftp://1:1@172.16.6.62/ICON_RECEPTION.bmp
Auto Etc Url :ftp://1:1@172.16.6.62/ICON_SERVICE.bmp
Auto Etc Url :ftp://1:1@172.16.6.62/ICON_CLEANING.bmp
Auto Etc Url :ftp://1:1@172.16.6.62/ICON_WAKEUP.bmp
Auto Etc Url :ftp://1:1@172.16.6.62/ICON_EMG.bmp
Auto Etc Url :ftp://1:1@172.16.6.62/ICON_MANAGER.bmp
Auto Etc Url :ftp://1:1@172.16.6.62/etc.tar.gz
  
```

In the case of background.bmp, the configuration file is added as follows:

```
<AUTOUPDATE CONFIG MODULE>
Download Username :1
Download Password :1
AP Pswd Encryption :0
FDPS Enable :1
Config File Name :auto.txt
Config File Key :
Common Cfg File Key:
Device Cert Mode :1
Auto Server Digest :0
Enable Auto Upgrade:0
Upgrade Server 1 :
Upgrade Server 2 :
Auto Upgrade intval:24
Auto Etc Url :ftp://1:1@172.16.6.62/BACKGROUND.bmp
```

X4U/X5U/X6U/X5S/X6/X7/X7C/X210/X210i can upgrade the background image and DSS Key icon in the same way. (Title logo is not supported), but the last filename is not limited.

Example, X6 URL: Auto Etc Url :ftp://1:1@172.16.6.62/X6.bmp
Auto Etc Url :ftp://1:1@172.16.6.62/etc.tar.gz