

Color screen phone picture upgrade description

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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:

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

Table 1 - Color screen series background picture format

2. The format of DSSkey icon of each model of color screen phone

is shown in the following table:

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

Table 2 - Color screen each model DSSkey icon format

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

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

Table 3 - Phone custom icon naming

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:

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	side_custom_dss_mem_axfer.png	custom_dss_mem_axfer.png
Key/Attend Transfer		
Memory Key/Blind	side_custom_dss_mem_bxfer.png	custom_dss_mem_bxfer.png
Transfer		

Table 4 - DSS & Side DSS Key icon name

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

5. The format of Title logo of each model of Fanvil color screen

phone phone is shown in the following table:

Table 5 - titlebarH format

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

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:



Archive	C:\Users\Adm	iinistrator\Desktop\			
vonvo.	etc.tar				•
Archive fo	mat:	tar	•	Update mode:	Add and replace files
Compressi	on level:	Store	•	Path mode:	Relative pathnames
Compressi	on method:		•	Options	
Dictionary	size:		•	Create SFX arc	chive ed files
Nord size	:		•	Delete files after	er compression

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:

Archive:	C:\Users\Admin	nistrator\Desktop\			
	etc.tar.gz				▼
Archive for	mat:	gzip	•]	Update mode:	Add and replace files
Compressio	on level:	Normal	•	Path mode:	Relative pathnames
Compressio	on method:	Deflate	•	Options	thus.
Dictionary	size:	32 KB	•	Create SFA and	ed files
Word size:		32	•]	🔲 Delete files afte	er compression

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.

	Features	Audio	MCAST	Time/Date	Advanced	Trusted Certificat
> System						
Network	Screen Picture	Load Screen Disture			Foloct	Upgrade
Line	Delete Screen Picture	File			Select	opgrade
Phone settings		Select Screen Picture	File ICO	N_SERVICE.bmp •	Delete	
Call logs	Screen Picture File					
can logs		ICON_SE	ERVICE.bmp	(5904	Bytes)	
Function Key		TITLE_LC	OGO.bmp	(10856	Bytes)	

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:

Fanvil				English 🔻 🗖	Logout (admin 2 Keep Online
	Information	Account Configuration	s Upgrade Auto Provision	n Tools Reboot Phone	
> System		Load Server File:		Select (*.wav) Upload	
> Network	Ring List 🕑				
› Line		Index	File Name	File Size	
> Phone settings	Background Upg	rade 😢			
> Phonebook		Load Server File:	C:\fakepath\X6.bmp	Select (*.bmp) Upload	
→ Call logs	Background List	Index	File Name	File Size	
> Function Key		0	user_define_back_ground.bmp	391736Bytes	
> Application				Delete	

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)

DSS Key Icons Upgrade		
Load Server File:		Select (*.png,*.tar.c Upload
ISS Key Icons List		
Index	File Name	File Size
0	custom_dss_edit.png	1817Bytes
		De

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

 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:

etc.tar	etc.tar V						
Archive <u>f</u> ormat:	tar	~	<u>U</u> pdate mode:	Add and replace files			
Compression level:	Store	~	Path mode:	Relative pathnames			
Compression <u>m</u> ethod:		~	Options Create SFX arc	chive			
Dictionary size:		~	Compress share	s shared files			
<u>M</u> ord size:		~	Delete files after	er compression			
<u>S</u> olid Block size:		~	Encryption				
Number of CPU <u>t</u> hreads:	~	/ 4	Enter password:				
Memory usage for Compress	ing:	1 MB	Reenter password	É			
Memory usage for Decompre	essing:	1 MB					
Split to <u>v</u> olumes, bytes:		~]	Show Passwor	d			
Parameters:			Encryption method	t:			
NTFS							
Store symbolic links							

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:

etc.tar.gz				<u> </u>
chive <u>f</u> ormat:	gzip	~	<u>U</u> pdate mode:	Add and replace files ~
ompression <u>l</u> evel:	Normal	~	Path mode:	Relative pathnames ~
ompression <u>m</u> ethod:	Deflate	~	Options Create SFX arc	shive
ictionary size:	32 KB	~	Compress share	ed files
<u>(ord size:</u>	32	~	Delete files afte	er compression
olid Block size:		~	Encryption	
umber of CPU <u>t</u> hreads:	~ ~	/4	Enter password:	
emory usage for Compressi	ng:	3 MB	Reenter password	4
emory usage for Decompre	essing:	2 MB		
olit to <u>v</u> olumes, bytes:			Show Passwor	rd
		~	Encryption method	d: V
arameters:				

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

Kev	Туре		Name	Value	Subtype		Line		Media		PickUp Number	Icon Color
F 1	Line	v	A DOMESTIC OF		None	v	6502@SIP1	v	DEFAULT	T		Custom •
F 2	Line	•			None	۷	21976@SIP2		DEFAULT	v	Г	Default Green
F 3	Line	•			None	v	SIP3		DEFAULT	T	L	Detault Green •
F 4	Line	•			None	۳	SIP4	۷	DEFAULT	*		Default Green 🔻
F 5	Line	•			None	¥	SIP5	۷	DEFAULT			Default Green 🔻
F 6	Line	•		<u>Î</u>	None	۳	SIP6	۷	DEFAULT	•		Default Green 🔻
F 7	Key Event	•			Voice Mail	۳	AUTO	۳	DEFAULT	۷		Default Green 🔻
F 8	Key Event	•			Headset	Ŧ	AUTO	۷	DEFAULT	Ŧ		Default Green 🔻
F 9	MCAST Pagin	•		239.1.1.1:1388	G.711U	۳	AUTO	۳	DEFAULT	۲		Default Green 🔻
F	Memory Key	•		1155	Intercom	•	21976@SIP2		DEFAULT	•		Default Green V

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/ftp; 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_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/ICON_MANAGER.bmp In the case of background. bmp, the configuration file is

added as follows:

<autoupdate config<="" th=""><th>MODULE></th></autoupdate>	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 Ke	Y:
Device Cert Mode	:1
Auto Server Digest	:0
Enable Auto Upgrad	e:0
Upgrade Server 1	:
Upgrade Server 2	10
Auto Upgrade intva	1:24
Auto Etc Url	:ftp://1:10172.16.6.62/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