

Technical Bulletin 62470

Customizing the Display Background on Your Polycom® VVX® 1500 Business Media Phone



This technical bulletin provides end users, system administrators, and service providers with step-by-step instructions on how to customize the background on Polycom® VVX® 1500 business media phones.

This information applies to VVX 1500 phones running SIP software version 3.1.2 Rev.B or later.

Introduction

The VVX 1500 phones include a feature that enables you to add a custom background using a digital image or a dynamic Web page. Using a digital image enables you to display a company logo or product brand as the background on your phone. Adding content from a Web page enables you to display online-generated content such as a seasonal promotion or advertising campaign.



For information on adding server-based background images to Polycom SoundPoint IP phones, see Technical Bulletin 62473 *Customizing the Display Background on Your Polycom® SoundPoint® IP Phone*, available from http://www.polycom.com/support/voice/soundpoint_ip/VoIP_Technical_Bulletins_pub.html

In this bulletin, you will learn how to add digital images or dynamic Web pages as the background to a single phone, or across multiple phones on a network.

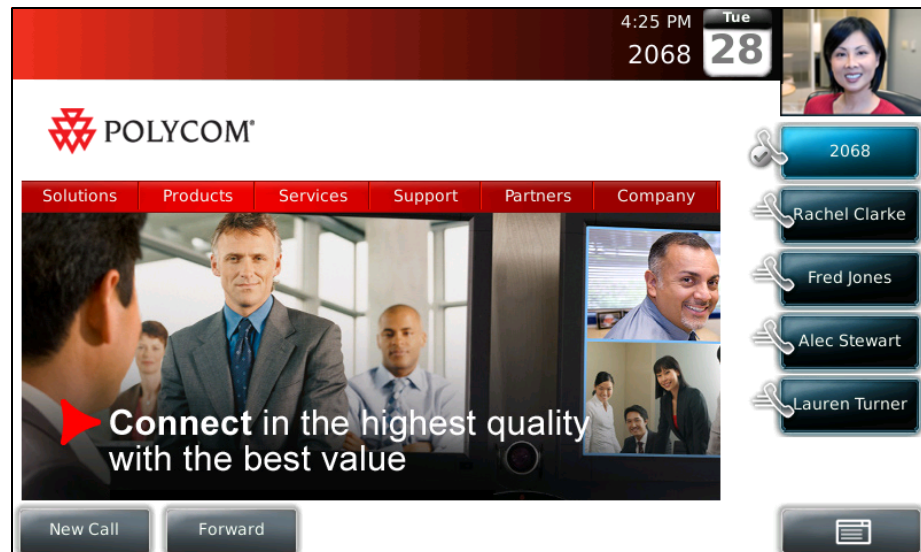
The topics include:

- [How to Use a Digital Image as Your Phone Background](#)
- [How to Use a Web Page as Your Phone Background](#)

The figure shown next is an example of a digital image background:



The figure shown next is an example of a Web page background:



How to Use a Digital Image as Your Phone Background

There are two methods you can use to use a digital PNG, JPEG, or BMP image as your phone's background.



Progressive or multiscan JPEG images are not supported.

Phones running SIP 3.2.x or earlier cannot display JPEG images with *.jpe* or *.jiff* extensions. To use one of these images, change the extension to *.jpeg*.

Choose one of the following methods according to your needs:

- **Digital Picture Frame method** - For end users or system administrators. Choose this method to copy your new background image from a USB flash drive directly onto a single phone. Once the image is copied, use the Digital Picture Frame option to select and display the image.
- **Configuration file method** - For system administrators. Choose this method to copy the image to the provisioning server to display on multiple phones on the network. Once the image is copied, update the configuration file to select and display the image.



If you wish to use an image larger than 600 KB, you must use the Digital Picture Frame method.

Digital Picture Frame Method

This method enables you to copy a background image directly to a single phone using a USB flash drive. You can use any image you wish, such as a logo or product brand, using any compatible JPEG, BMP, or PNG file. You may also add captions or slogans to the image.

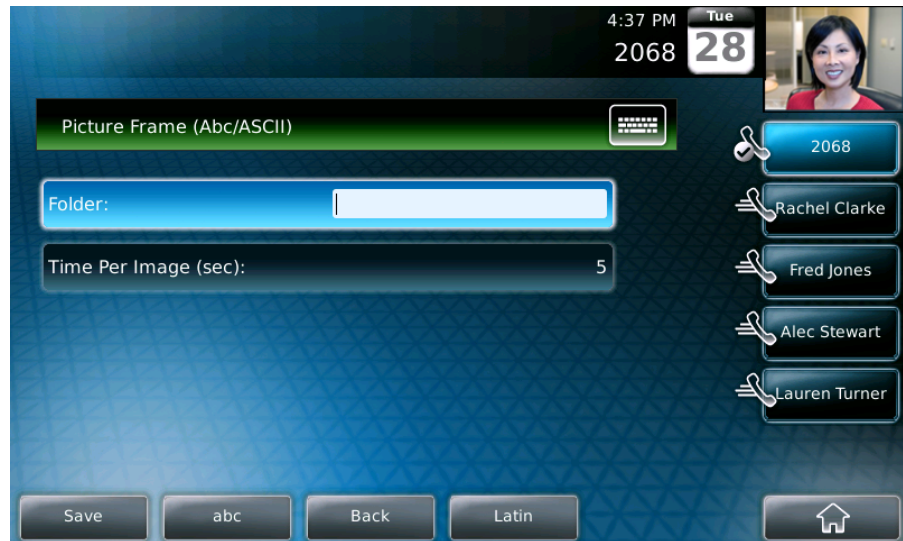


The VVX 1500 screen size is 800 x 480 pixels. Smaller images will be centered and surrounded with black space. Larger images will be scaled proportionally to fit the screen. Horizontal or vertical black bars may be added to preserve the original aspect ratio.

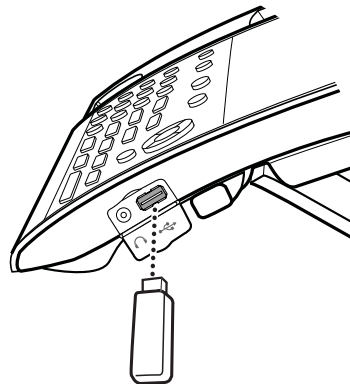
To add a background image to a single phone using the Digital Picture Frame method:


- 1 Copy one or more background images to a USB flash drive.
- 2 On your phone, tap  > **Settings** > **Basic** > **Preferences** > **Picture Frame**.



The Picture Frame options are displayed (as shown next).






- 3 If your background image(s) are stored in a folder on your USB drive, enter the name in the **Folder** field. (If your images are stored in the root directory, leave this field blank.)
- 4 Insert the USB flash drive into your phone (as shown next):




The USB icon, , displays on the status bar.

- 5 Do one of the following:
 - From the idle screen, tap  > **Picture Frame**.
 - or
 - Tap  > **Features** > **Removable Storage Media** > **Picture Frame**.

Your image(s) will be displayed. If you copied multiple images, these will be displayed in sequence.

- 6 To select a picture as your background, tap  or  to navigate the images, and tap  to make a selection.

The image you selected is copied to the phone and set as the background. It is stored as *Local File* under the Background list (tap  > **Settings** > **Basic** > **Preferences** > **Background**).

Configuration File Method

This method enables you to copy an image to your provisioning server and display it as the background across multiple phones on your network. This particular method can only be performed by a system administrator. Any compatible JPEG, BMP, or PNG image can be used. Captions or slogans can also be added to the image.



The VVX 1500 screen size is 800 x 480 pixels. Smaller images will be centered and surrounded with black space. Larger images may produce errors. Images with file sizes larger than 600 KB may not display on your phone.



To add an image to the server and set it as the background:

- 1 Copy the desired JPEG image to the provisioning server in the same directory as the `000000000000.cfg` or `<ethernet-address>.cfg` master configuration file.
- 2 Depending on your phone's software version, open one of the following configuration files and navigate to the associated configuration parameter:
 - For UC Software version 3.3.0 or later: Open **features.cfg** and navigate to `<bg> <bg.VVX_1500> <bg.VVX_1500.color> <bg.VVX_1500.color.bm>`.
 - The file is located in the *Config* folder of your UC Software download package. You may overwrite this file or save a copy with a different file name.
 - For SIP software version 3.2.x or earlier: Open **sip.cfg** and navigate to `<backgrounds> <VVX_1500> <color> <bitmaps>`.
- 3 Enter the file name of your image (excluding the extension) as `bg.VVX_1500.color.bm.1.name`. If you have another image, enter its file name as `bg.VVX_1500.color.bm.2.name`.
- 4 Write the file name of the configuration file you edited (`features.cfg` or `sip.cfg` by default) as the `CONFIG_FILES` value in the `000000000000.cfg` master configuration file to apply your changes to all phones, or in the `<ethernet-address>.cfg` master configuration file to only apply your changes to the single phone associated with that ethernet address.



All phones on a network will use the **000000000000.cfg** master configuration file unless the **<ethernet-address>.cfg** master configuration file associated with their ethernet address exists on the network. If you would like a phone to use the **000000000000.cfg** file, be sure to delete the associated **<ethernet-address>.cfg** file from the provisioning server.

If your edited configuration file is in a folder on your provisioning server, write the path of the folder and file name. For example, *MyFolder/features.cfg*.

- 5 On your phone, tap  > **Settings** > **Basic** and select one of the following two options depending on your software version:
 - For UC Software version 3.3.0 or later, select **Update Configuration** and tap **Yes** to confirm the update.
The configuration will be updated.
 - For SIP Software 3.2.x or earlier, select **Restart Phone** and tap **Yes** to confirm the restart.
The phone will restart.
- 6 Tap  and select **Settings** > **Basic** > **Preferences** > **Background**.
A list of your images is displayed.
- 7 Select any image file to set it as the background of your phone.

How to Use a Web Page as Your Phone Background

You can select an online Web page to display as a background using your phone's built-in Microbrowser. This powerful feature enables you to display virtually any existing or custom Web content you wish, such as your company's seasonal promotions or advertising campaigns. As with digital images, you can configure a Web page background using one of the following two methods according to your needs:

- **Web interface method** - Choose this method to add a Web page as the background on a single phone. This method uses the phone's Web interface to configure the Web page.
- **Configuration file method** - Choose this method to configure multiple phones on your network to display a Web page background by making changes to the configuration files on your provisioning server.



The maximum space available on the Microbrowser is 610 x 360 pixels. Phones using UC Software version 3.3.0 or later can be set to display Web page backgrounds that exceed this size using page-scrolling functions.

Web Interface Method

This method enables you to add a Web page as the background on a single phone. All of the configuration is done through the phone’s web interface as described in the section shown next.

To set a background Web page using the phone’s Web interface:

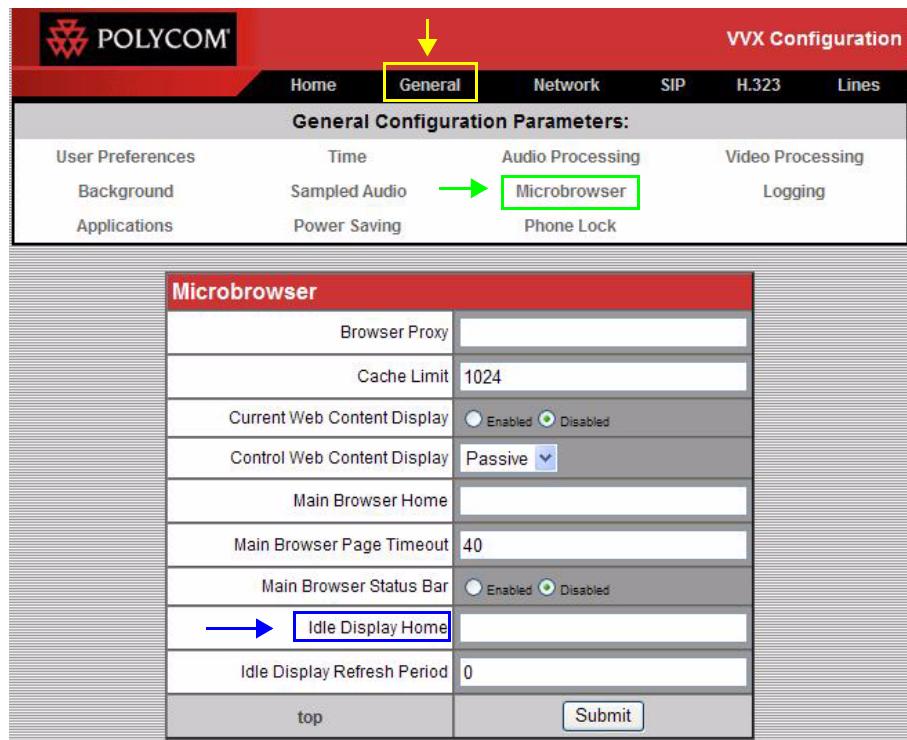
- 1 Open a Web browser on your computer and enter your phone’s IP address in the address bar.

The login screen is displayed.

- 2 Enter your user name and password in the available fields. The default user name is **Polycom** and the default password is **456**. For details on using the Web interface, see the *Administrator’s Guide for the Polycom UC Software* available from <http://www.polycom.com/support/voice>.

You are logged in and the phone’s Web interface is displayed.

- 3 Click the **General** tab and select **Microbrowser** (as shown next).



- 4 Enter the address of the desired Web page in the Idle Display Home field. You can also configure the Idle Display Refresh Period as the refresh rate. The default of 0 means that the idle browser will not refresh.

- 5 Press **Submit** to save your changes.

The phone updates automatically. If your phone is running SIP software version 3.2.x or earlier, it phone will restart.

Configuration File Method

This method enables you to add a Web page as the background across multiple phones. The phone's parameters are changed using configuration files loaded from the provisioning server.


To set a Web page background using configuration files on your provisioning server:

- 1 Depending on your phone's software version, open one of the following configuration files and navigate to the associated configuration parameter:
 - For UC Software version 3.3.0 or later: Open **applications.cfg** and navigate to `<mb> <mb.idleDisplay>`.
The file is located in the *Config* folder of your UC Software download package. You may overwrite this file or save a copy with a different file name.
 - For SIP software version 3.2.x or earlier: Open **sip.cfg** and navigate to `<microbrowser> <idleDisplay>`.
- 2 Enter the address of the desired Web page as the value of `mb.idleDisplay.home`.
You can also configure the `mb.idleDisplay.refresh` parameter to set the desired refresh rate of the Web page, in seconds. A refresh rate of 0 (default) means the Web page will not refresh.
3. Write the file name of the configuration file you edited (`features.cfg` or `sip.cfg` by default) as the `CONFIG_FILES` value in the **000000000000.cfg** master configuration file to apply your changes to all phones, or in the `<ethernet-address>.cfg` master configuration file to only apply your changes to the single phone associated with that ethernet address.



All phones on a network will use the **000000000000.cfg** master configuration file unless the **<ethernet-address>.cfg** master configuration file associated with their ethernet address exists on the network. If you would like a phone to use the **000000000000.cfg** file, be sure that the associated **<ethernet-address>.cfg** file does not exist on the provisioning server.

If your edited configuration file is in a folder on your provisioning server, include both the path of the folder and the file name. For example, *MyFolder/features.cfg*.

- 4 On your phone, tap  > **Settings** > **Basic** and select one of the following two options depending on your software version:
 - For UC Software version 3.3.0 or later, select **Update Configuration** and tap **Yes** to confirm the update.
The configuration will be updated.
 - For SIP Software 3.2.x or earlier, select **Restart Phone** and tap **Yes** to confirm the restart.
The phone will restart.

The idle browser will now display your Web page on the idle screen.

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