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Symbol for Separate Collection in European Countries

This symbol indicates that this product is to be collected separately.

The following apply only to users in European countries:

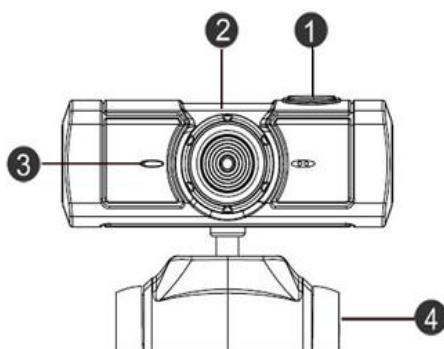
- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.



Eye 110 Features

Add live video to your instant messaging!

Turn your PC into a live broadcast hub with Eye 110. Works with windows Vista, XP, 2000, Me, 98SE. Whether you are creating video emails or hosting one-to-one video chats, this easy to use webcam adds a personal touch to your online communication. Connect with loved ones easily today with live video chats!



1.SnapShot Button

You can press the snapshot button to take images.

2.Manual Lens

Adjust the focus by twisting the lens.

3.LED Indicator

Eye 110 is connected to the computer's USB port and the LED will light up when performing video application.

4.Swivel and Clipping Base

The adjustable clipping base can fit easily to almost anything - notebook displays, CRT, LCD monitors and flat panel displays.

Installing the Eye 110

You need to install device drivers and applications before using your webcam.

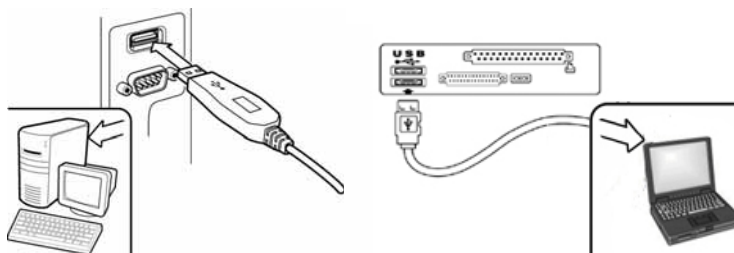
Do not connect your webcam to your computer before installing the drivers.

1. **Installing the Eye 110 driver Windows Vista/XP/2000/Me/98SE Environment**
 - a. Insert the Eye 110 Installation CD into the CD-ROM drive.
 - b. The Autorun screen will bring up the installation screen. Click on **“Windows Driver”** then simply follow the on-screen instructions.
 - c. Install **DirectX** from the CD if your pc didn't have it on your system or the version was older.



NOTE

-
- If the Autorun screen doesn't start, please follow these steps
 - Click on “Start Menu”
 - Type D:\SETUP.EXE, then click the Enter key.
(Assume your CD-ROM is in Drive D)
2. **Follow the instructions on the screen to complete the installation.**
 3. **Insert the Eye 110's USB cable to your desktop or laptop USB port.**



4. **Restart your computer after all the applications have been**

installed.

5. The software and hardware installation is now complete. You can install the software you would like to use for video conferencing or chat with your friends.



NOTE

-
- The web camera can work properly with any video chat software that supports a video feature.

6. **Position Camera**

Place the camera in the middle of your computer monitor for optimal eye contact. The camera can pivot vertically or horizontally, allowing you to find the best position.

Free angle clipper, fits on any screen



For LCD Panel



For Notebook



Desktop



NOTE

-
- To remove the driver installation in Windows 98SE/Me/2000/XP/Vista Environment:
Please go to the taskbar and follow “Start → Program → Eye 110
→ Click “Uninstall”, then follow the on-screen instructions to remove the driver.

About Genius Application-WebCAM Mate

You can use Genius WebCAM Mate software to capture the real-time image, record or execute the simple security function.



NOTE

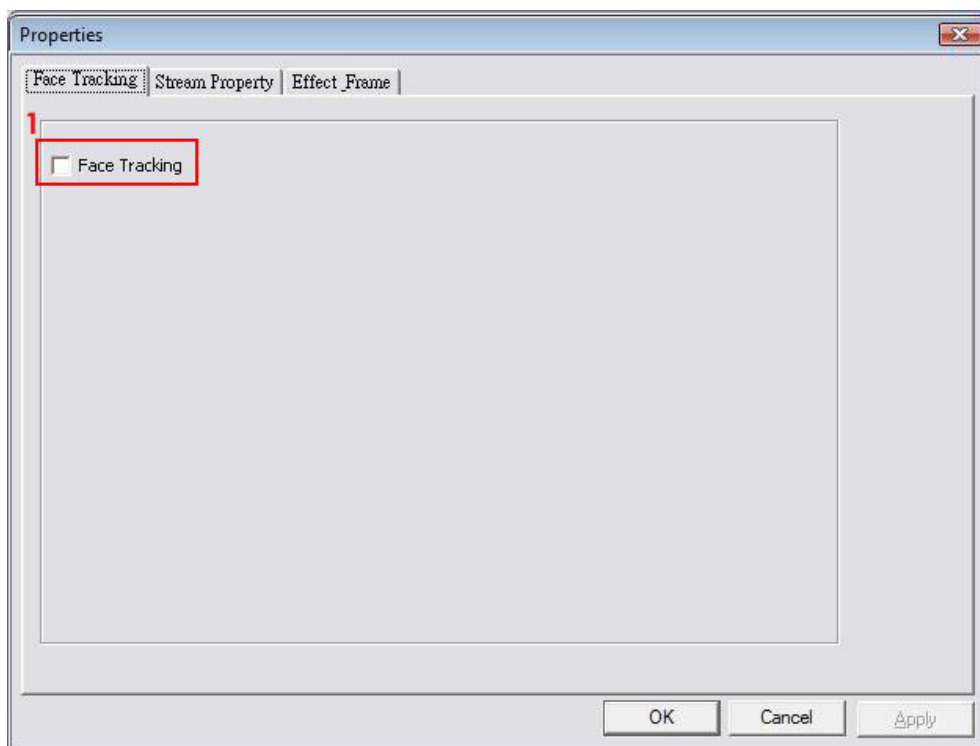
- After installing the Genius Application software, the system will automatically create a file (C:\WINDOWS\Album or C:\WINNT\Album) to save the images you take using the Genius Application.
- Genius application available in windows Vista/XP/2000/Me/98SE

1. Main Menu

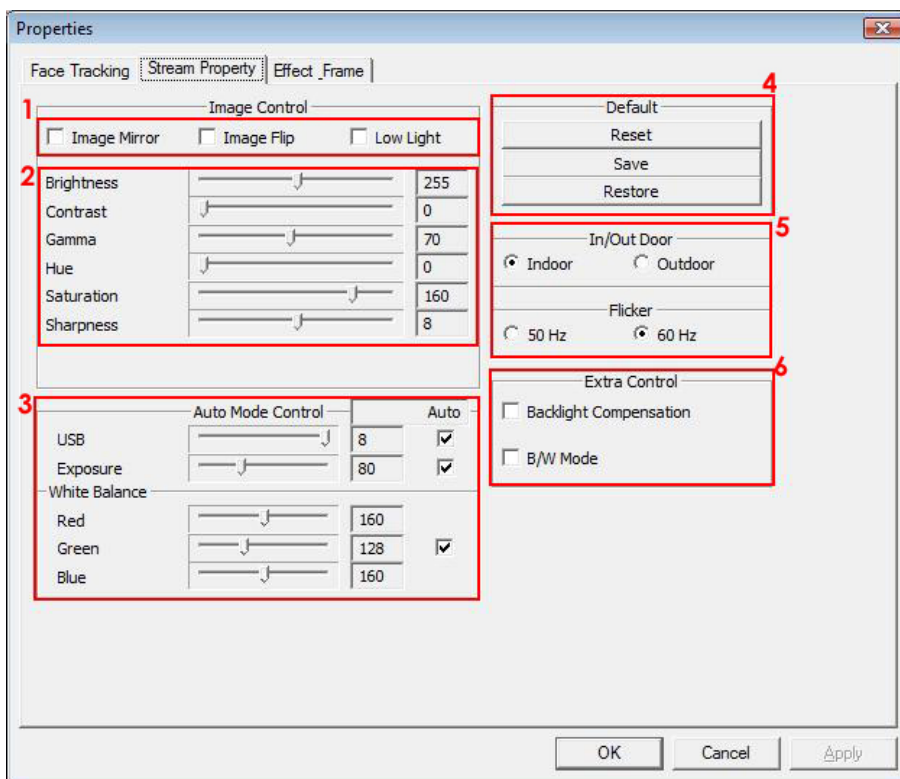


Item	Mode	Description
1	 Picture Mode	Still image capture mode.
2	 Video Mode	Video recording mode.
3	 Security Mode	Security monitoring mode.
4	 Device Selection	Select different webcam device.

Item	Mode	Description
	 Resolution Selection	Resolution selections according to device. RGB24: 640x480, 352x288, 320x240, 176x144, 160x120 I240: 640x480, 352x288, 320x240, 176x144, 160x120
	 Property page	Preference setting to view your setting and properties.
	 Exit	Exit the Genius UI.

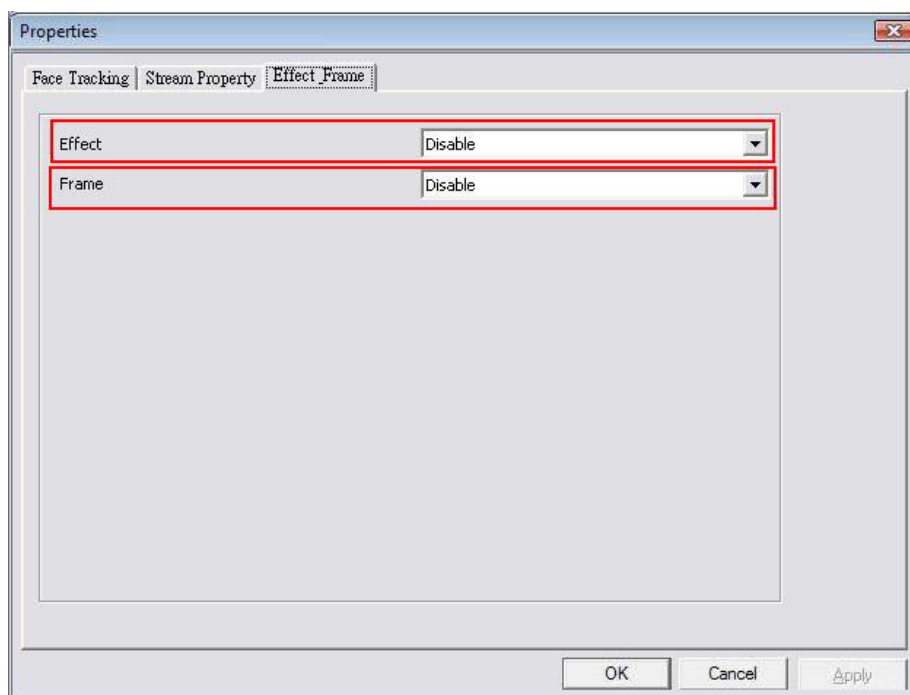
-Property page

Item	Description
1	Enable this function, the face tracking function will auto appear. When you are watching the display, your face should appear in the acquired image. In an auto stereoscopic display, the image will auto digital zoom.



Item	Description
1	- You can flip the image horizontally or vertically by choosing “Image Mirror” or “Image Flip”. - When the light is not sufficient, you may click on “Low Light” to get a clear image.
2	You can adjust different values for different circumstances and environment.
3	You may adjust values toward image appearance. Before

Item	Description
	adjusting values, you have to unclick " Auto " to unlock.
	-Press "Reset" to return to the manufacturer's settings. -Press "Restore" to return to the previous settings. -Press "Save" to save the values you set up.
	Select the correct frequency according to the country where you are using the web camera. (Before doing this, you will need to select " Indoor ".)
	-If your web camera is located in backlight position, you may click "Backlight compensation" to get a sharper image. -You can have a black-and-white photo effect by clicking on "B/W Mode".



Item	Description
1	The effects can also be applied to the video chat software, like MSN Messenger.

2. *Picture Mode*



Take a picture right away and share with your friends.



Item	Mode	Description
1	 Shot	Still image capture mode.
2	 Multi-Snapshot	Capture continuous still images based on multi-snapshot number.

Item	Mode	Description
	 Mail	Send photo by email.
	 Adding Frame	Select photo frame to add inside still image. (*)
	 Tracking Face	Click this button, and the screen will auto appear in the center of the frame. When you are watching the display, your face should appear in the acquired image. In an auto stereoscopic display, the image will auto digital zoom.
	 Rotate	Rotate still image 45 degrees counter-clockwise. (*)
	 Center	Rotate still image to center. (*)
	 Rotate	Rotate still image 45 degrees anti-clockwise. (*)
	 Multi-shot number	Select multi-shot number from 2 to 10.
	 Full Screen Mode	Display your web camera over the entire screen. Press ESC to exit full screen mode or click left mouse to return to normal mode.

Item	Mode	Description
	 Refresh Device	Refresh web camera.
	 Delete File	Delete the selected files.
	 Rotate Image	Rotate the selected image file 90 degrees in title list display.
	 Email file	Attach the selected image file to an email.
	 Print Picture	Print the selected image file.

Remark:

* This function must use the resolution of 640x480 or 320x240. Please make sure the resolution is correct before executing this function.

3. Video Mode



You can record real-time video in this section.



Item	Mode	Description
1	 Recording Start/Stop	To begin recording video from your web camera. Click  to stop recording video.

Item	Mode	Description
2	 Audio Setting	Setting the audio device. 
3	 Recording time display	Displays recording time. “00:00:00” mean hours, minutes, seconds.

4. **Security Mode**



Using motion detection function, it records any movements that appear in front of your monitor automatically. It can also record anytime until the HD is full. If there's no movement, it will shut down automatically after four seconds or otherwise it will be active when detecting new movement.



Item	Mode	Description
1	 Recording Start/Stop	To begin recording monitor video from your web camera. Click  to stop recording video.
2	 Audio Setting	Setting the audio device.

Item	Mode	Description
		
3	 Schedule Recording	Set up time for the security monitoring system. 
4	 Email Alert	When this button is enabled, it will send out an email if an alert happens during recording.

Item	Mode	Description
	 Sensitive adjustable	Set up the degree of variance for every second of recording video. When the differences are over the setup degree, the system will alert you.
	 Warning sound selection	Set up the different alerting sound effects.
	 Recording time display	Displays monitor recording time. "00:00:00" mean hours, minutes, seconds.

Using MSN Messenger, Yahoo Messenger, AOL

■ MSN Messenger

- a. For live video function, you'll need MSN Messenger version 6 or later. If you don't have it, please refer to the website:
<http://messenger.msn.com> to download.
- b. Sign onto MSN Messenger service.
- c. Choose a friend on the contact list and Click "OK" to confirm.
- d. Double-click on your friends, who are available to chat. Click on

the webcam icon.

- e. Your friend will then receive an invitation message. When your friend confirms to talk, the video chat will start.
- f. For the further information, please refer to the website at <http://messenger.msn.com>

■ **Yahoo Messenger**

- a. Download Yahoo Messenger at <http://messenger.yahoo.com> and finish the registration, if you don't have it.
- b. Sign onto Yahoo Messenger.
- c. From the main window, click Tools menu, then select "Start My Webcam".
- d. Right-click on a name in your Messenger List and choose "View Webcam".
- e. Your friend will then receive an invitation message. When your friend clicks YES, the video chat will start.
- f. For the further information, please refer to the website at <http://messenger.yahoo.com>

■ **AOL Instant Messenger**

- a. You can download AOL Instant Messenger free at <http://www.aim.com> and finish the registration, if you don't have it.
- b. Sign onto AOL Instant Messenger.
- c. Click on "Show Messenger Lists" and choose the friend you want to start with video chat.
- d. Your friend will then receive an invitation message. When your friend confirms to talk, the video chat will start.
- e. For the further information, please refer to the website at <http://www.aim.com>

**NOTE**

- Please make sure you already connected the camera to the computer before running video conferencing or video chat programs.
- Please make sure you close other webcam programs before running the video conferencing or video chat program.

CrazyTalk Avatar Creator Introduction

Overview

CrazyTalk Avatar Creator is an innovative and easy-to-use software tool for creating animated talking characters and digital hosts for video files and greeting cards from your own photograph or digital image collection.

Animate any person, animal, or illustration with CrazyTalk Avatar Creator's easy-to-use professional editing tools.

Your photos are brought to life in amazing animation by fitting them with CrazyTalk Avatar Creator's proprietary **Facetrix**, facial morphing technology.

CrazyTalk Avatar Creator's then gives a voice to your photos by allowing them to lipsync with audio recordings and spoken text messages using the exclusive Expressix speech animation technology.

Once your project is complete. CrazyTalk Avatar Creator offers all new support for popular video editing and greeting cards.

You can send your talking messenger or card image in a variety of formats including .cab, .mht file or an .AVI movie.



Getting Started

Operating System

- Windows Vista/XP/2000

CrazyTalk Avatar Creator allows you to import any digital photo, image or likeness of a face, with the innovative real time image

morphing-NaturalVoice technology and/or TTS (Text-To-Speech) technology, to bring your favorite photos to life! A message combined with your talking image provides a CrazyTalk Avatar character to send to your friends and colleagues using various output options.

You can send animated greeting cards or even export movie files of numerous formats with CrazyTalk Avatar Creator.

Getting Started-Creating a CrazyTalk Avatar Creator Model

You can create your own customized CrazyTalk Avatar Creator Model using any digital image.

Click **Edit/Model** to start creating a CrazyTalk Avatar Creator model.



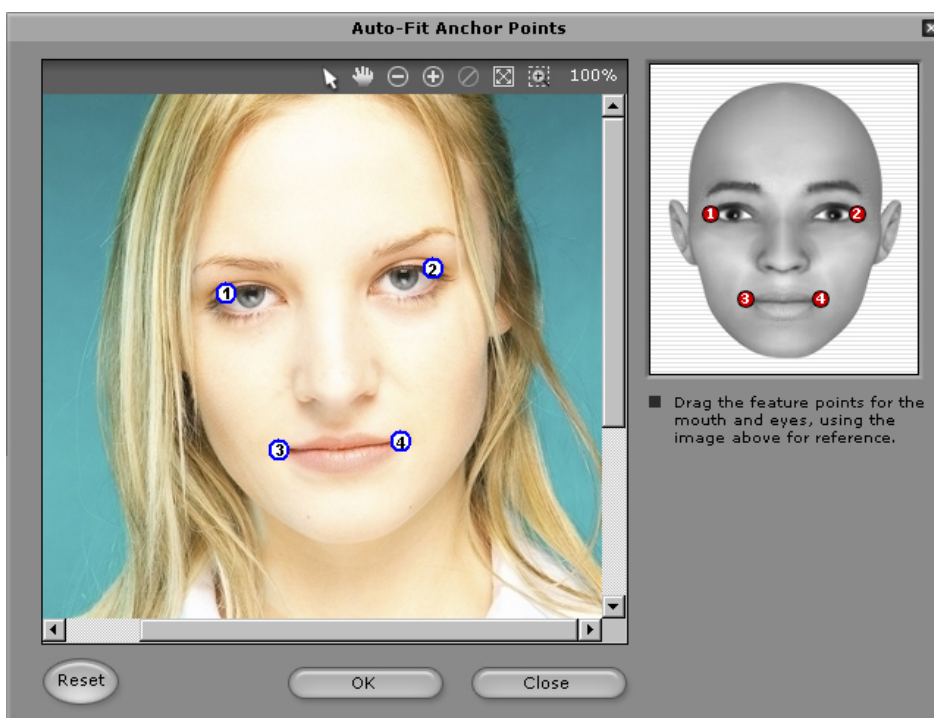
To create a CrazyTalk Avatar Creator Model:

1. Click **Import Image** . The Open dialog box appears. Select the desired image and click **Open** to load it.
2. The **Image Processing** tools will be automatically launched.

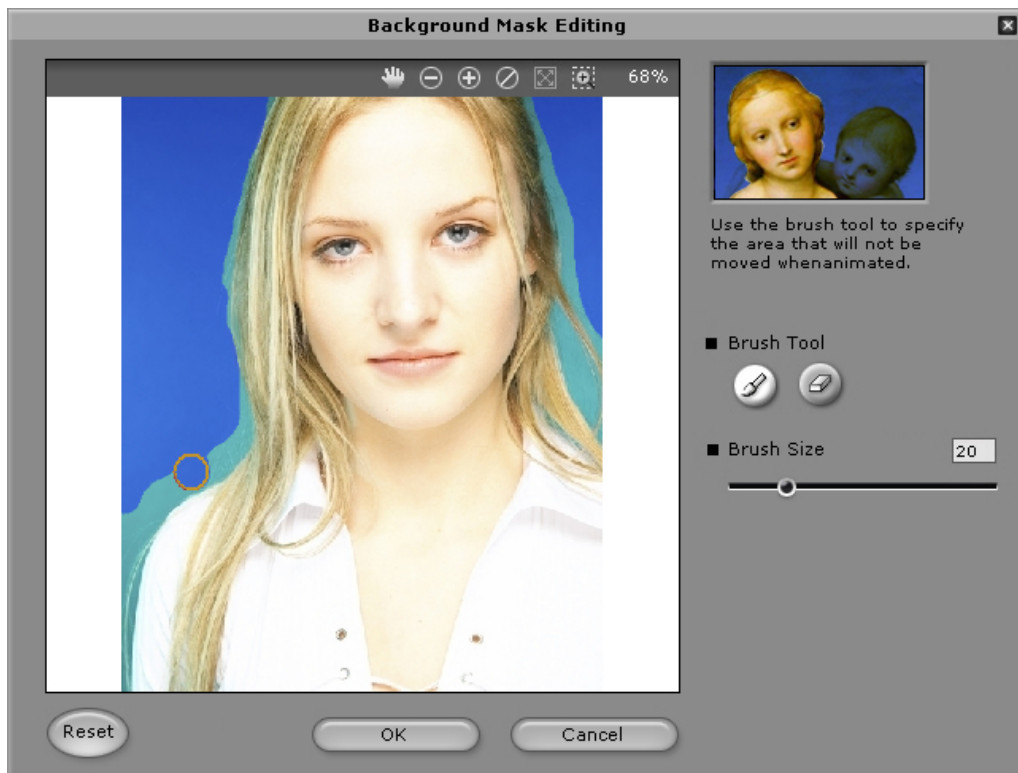


- ◆ **Crop Image**  : Select the required image area.
- ◆ **Rotate CW**  / **Rotate CCW**  : Rotate the image by 90 degrees clockwise or counterclockwise.
- ◆ **Mirror**  : Flip the image horizontally as a mirrored reflection.
- ◆ **Smart Level**  : Adjust the color levels of the image automatically.

- ◆ **Color Level**  : Adjust the brightness, contrast, hue, and saturation levels of the image manually.
 - ◆ **Color Balance**  : Adjust the color balance manually.
3. Click **Next** and the **Auto-Fit Anchor Points** dialog box pops up. Follow the guide sample image at the right side to place the 4 points for the fitting process.



4. **Background Mask Editing**  : Modify the mask of the image (also known as alpha channel) to specify the none-effect part of the image.



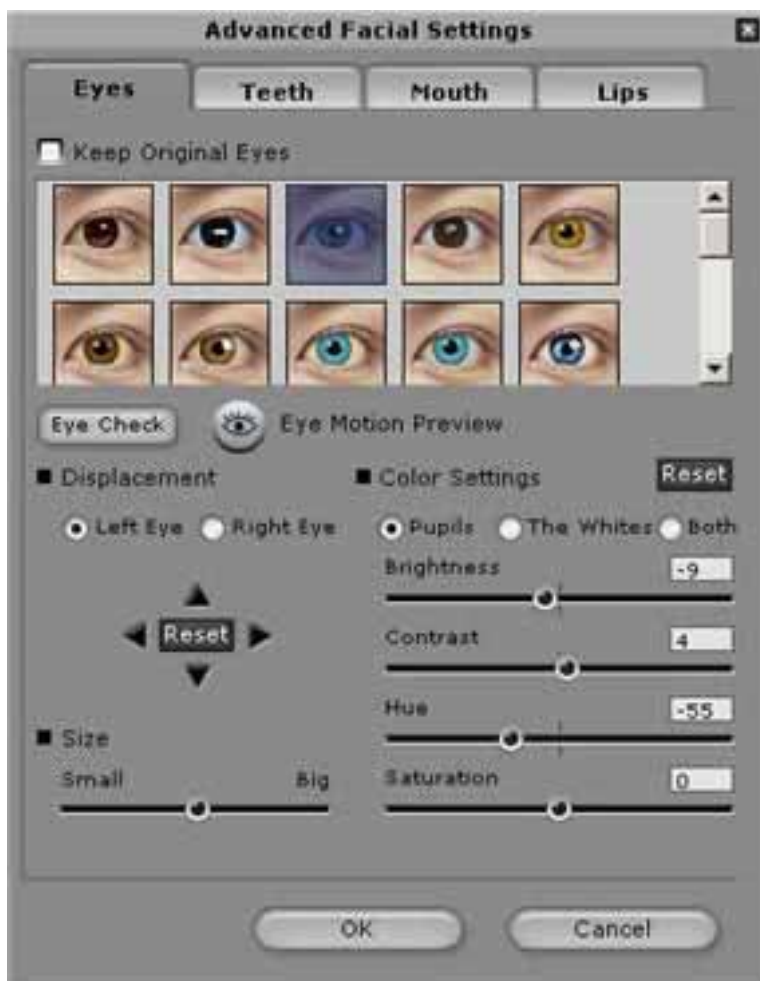
0 Brush Tool:

Increase  : To enlarge the background area in the image.

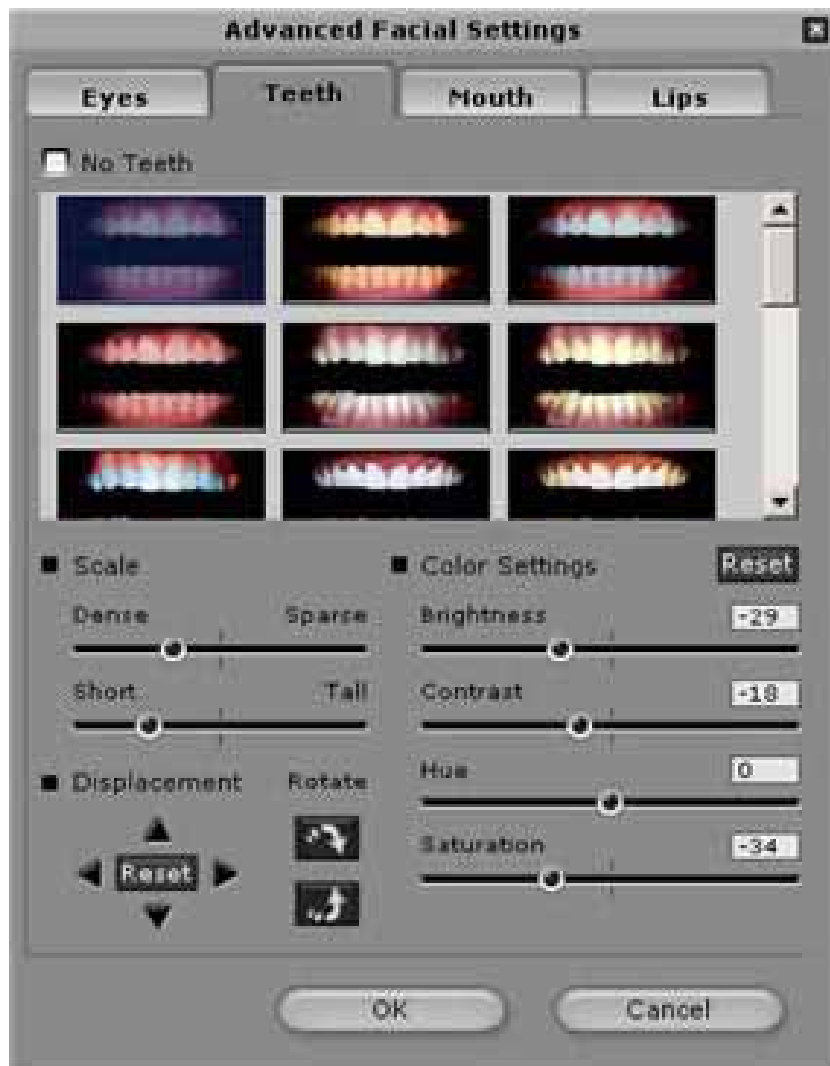
Decrease  : To erase parts of the background mask.

- 0 **Brush Size:** Move the slider to adjust the size of the brush tool.

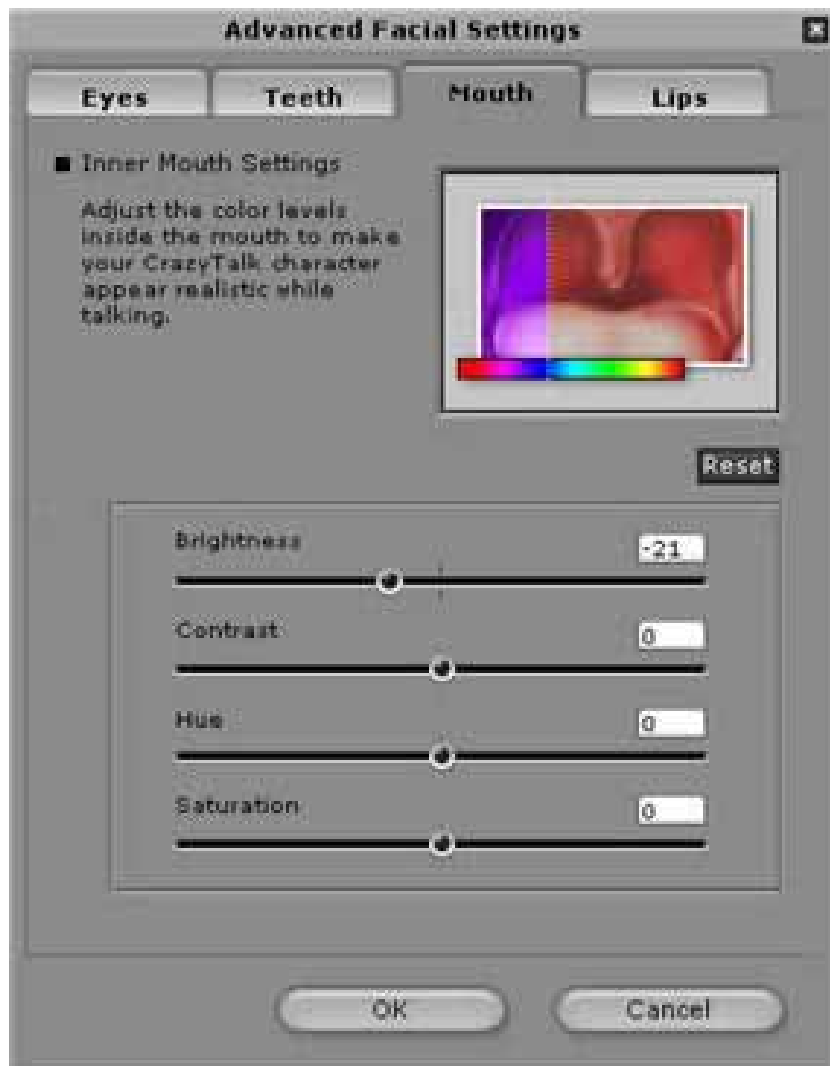
Advanced Facial Settings: Click to open a dialog box with four tabs.



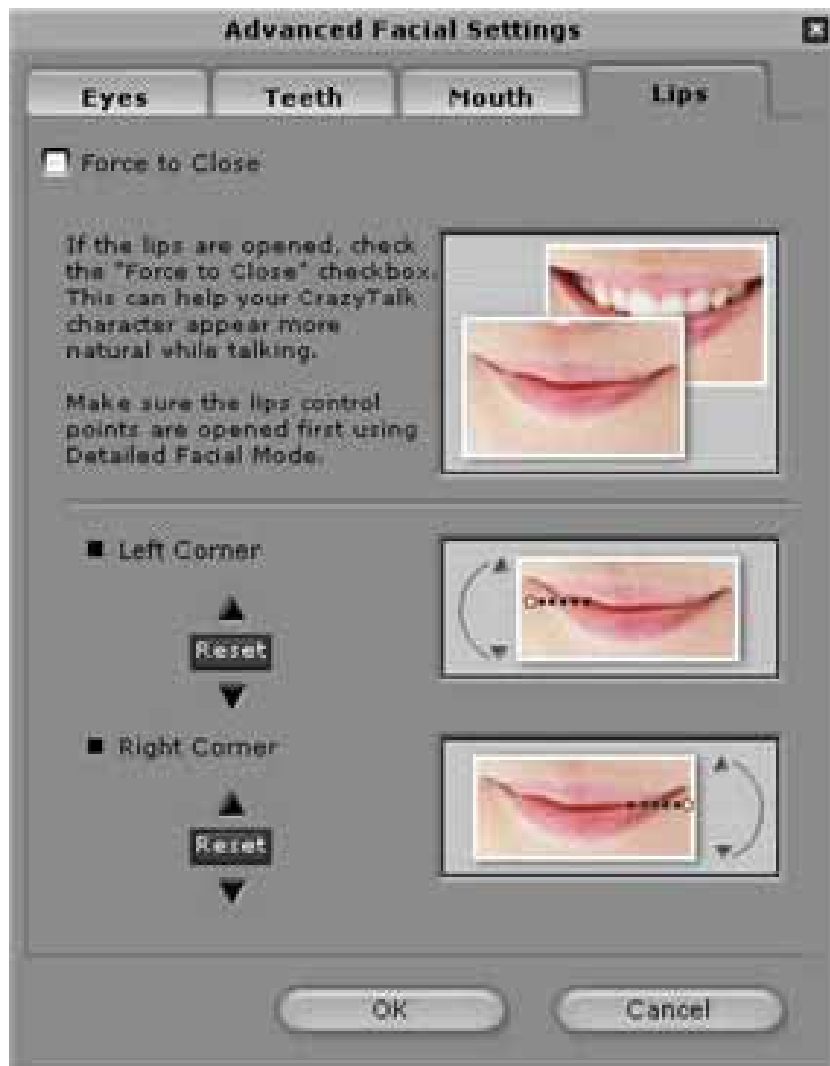
Eyes: Add virtual eyes and adjust the color of each part of the eyes.



Teeth: Add virtual teeth and adjust the teeth.



Mouth: Adjust the color levels of the inner mouth.



Lips: To close an open mouth in the image and set the position of the lips.

Getting Started-Creating a CrazyTalk Avatar Creator Script

The **Script** page is the critical phase in CrazyTalk's process of creating a talking model with expressions, facial movements, and special effects.

Select **Edit/Script**:



To create a Talking Message:

1. To specify the speech for the talking model, do one of the following:

- **Voice Recorder**  : Click to open the sound recorder menu.



Click the **Record** button to start recording from the audio source specified.

- **Import Wave File**  : Import a speech file in PCM WAV format and use it as the script text.
- **Edit by Text-To-Speech**  : Click to open the TTS dialog box.

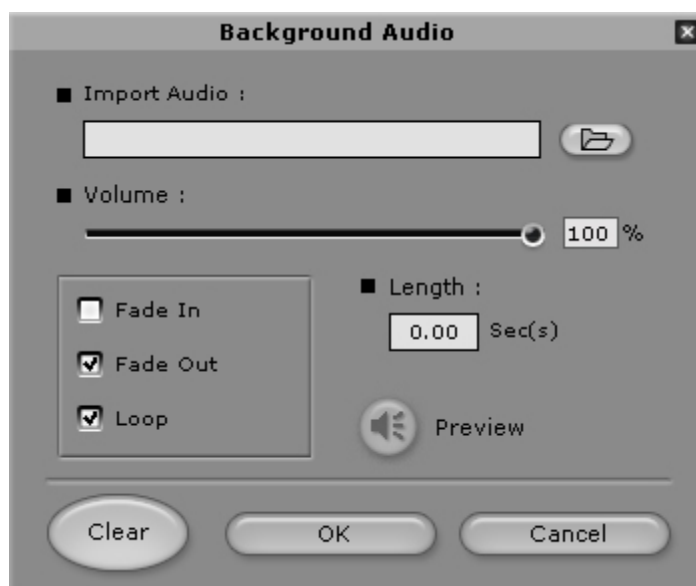


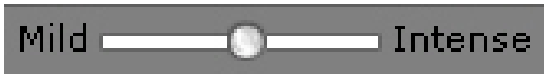
Type in the text. Click the **Voice Mode** drop-down list box to select the voice type for your model. Adjust the voice quality to achieve a real-life effect using the **Volume**, **Pitch**, and **Speed** sliders. Click  button to **Preview** the result.



NOTE

- Download the text-to-speech converter from Microsoft, or browse Reallusion's website for more information.
- 2. Click **Background Audio**  for inserting background music.



- **Browse:** Click to import PCM WAV file as background music.
 - **Volume:** Move the slider to adjust the volume.
 - **Fade In/Fade Out:** Check to specify if the audio fades in or out respectively.
 - **Loop:** Check to repeat the audio continuously.
 - **Preview:** Click to playback the audio.
3. Click the **Emotives** tab, double-click on the desired profile for applying to the model, and the project plays automatically.
 4. Use the  slider to adjust the strength of the model's expression.
 5. Click the **Timeline** tab and you are prompted to upgrade for full features of the Timeline.
 6. Click the **Save** button to save the current script as a customized profile.

Getting Started-Creating a CrazyTalk Avatar Creator Greeting Card

You can create a greeting card with a talking image, personalized message, and special effects. The card can be saved as .MHT (Multipurpose HTML - Embedded in e-mail or Html pages) or .CAB (compressed) file.



To create a card, do the following:

1. Select a CrazyTalk Avatar Creator model with facial features, motions and expressions specified.
2. Create a CrazyTalk Avatar Creator script to specify the animation and speech.
3. Click the **Output/Greeting** tab.

4. Double-click a card template in the card gallery to apply to the model. Use the playback controls to preview the card.
5. **Resize Model**  : Adjust the size of the mode to fit it into the card frame.
6. **Rotate Model**  : Rotate the talking image.
7. **Move Model**  : Pan the image within the card frame.
8. **Reset Model**  : Discard all changes to the model and restart again.
9. Type texts into fields (**Enter Receiver**, **Type Your Message**, **Enter Your Name**) of the card accordingly with customized text styles by using the **Text Editing Tools**.
Reset Text: Discard all changes to the text.
10. **Card Settings:**
 - ◆ **Image Effect:** Select a JavaScript effect to apply onto the card.
 - ◆ **Auto Play:** Automatically playback the card as it is opened.
11. **Image Quality:** Move the slider or enter a number to the edit box to adjust the image quality.
12. **Sound Quality:** Move the slider to adjust the audio quality.
13. **Preview:** Click to preview and play the card. (**Auto Play** checked).
14. **Create:** Click to open the **Save As** dialog box. Specify the name, location, file type (.MHT - for inserting into your e-mail or web

pages, and .CAB - compressed) of the card and click **Save** to create the card.

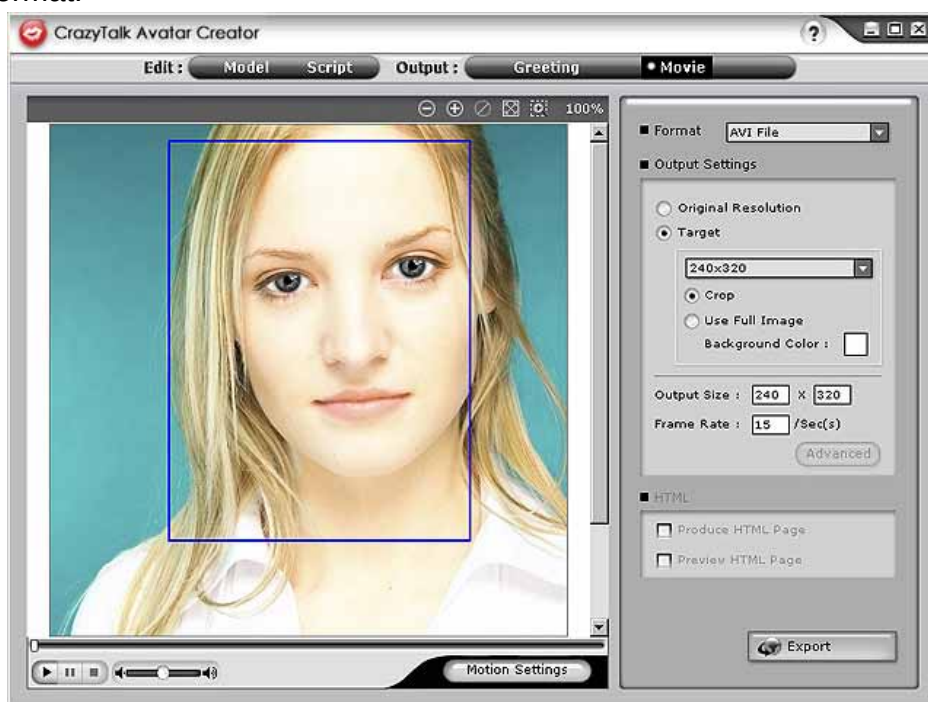
Getting Started-Exporting Movie Files

Movie files supported by CrazyTalk Avatar Creator: AVI, Real Media (RM), WAV, Sequence BMPs/TGA, Animation GIF and Windows Media (WMV) files.



NOTE

- Install WMVEncoder9 from the Microsoft website for exporting WMV files format.



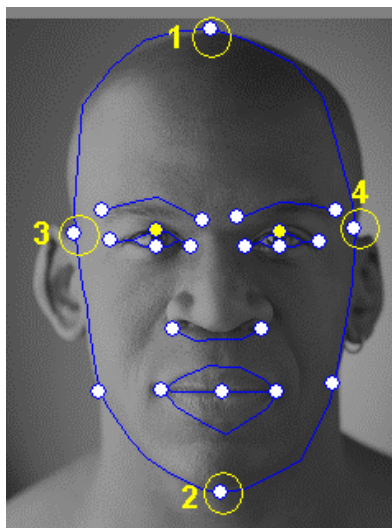
To export movie, do the following:

1. Select a CrazyTalk Avatar Creator model with facial features, motions and expressions specified.
2. Create a CrazyTalk Avatar Creator script to specify the animation and speech.
3. Click **Output/Movie** tab.
4. A crop box shows. Move and resize it (drag the box or edit the **Output Size** options) to the desired portion of the image for exporting.
5. Click the format drop-down list box to select the media format.
6. Check the **Original Resolution** to retain the same resolution as the source file.
7. Check the **Target** to specify the resolution corresponded to the media format.
8. Check the **Use Full Image** to export media with the whole image.
9. Check the **Crop** option if you want to crop talking image on the sides.
10. Click the **Background Color** box to select the background from the color palette.
11. Specify the dimensions of the output frame by entering the height and width in pixels under **Output Size**.
12. Specify the frames per second in the **Frame Rate** box.
13. The HTML options are available if you select a RM or WMV file from the media format.
 - Check the **Produce HTML Page** to create an HTML page (in the same location as the media file) with the media content embedded.

- Check the **Preview HTML Page** to preview the HTML page before exporting.
14. Click the **Export** button to export the selected talking image to multimedia format.

Tips and Suggestions Facial Fitting Tips

- **How can I fine-tune the model image for more realistic facial movement?**
 - a. The control point **1**, **2**, **3** and **4** are the key to control the facial mesh morphing. **1**, **2** control the vertical movement strength and **3**, **4** controls the horizontal movement strength.



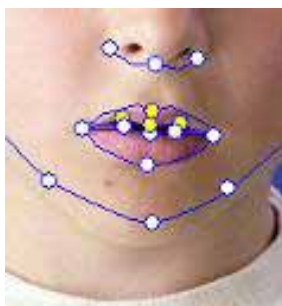
- b. Press **Motion Settings** on model page and check the **Head Motion Preview** to preview the movement. If not perfect, you can close the dialog and try to change the location of control point **1-4**.



- **How can I make the chin movie more naturally while talking?**
 - a. Drag the chin control point out of the face.



Good

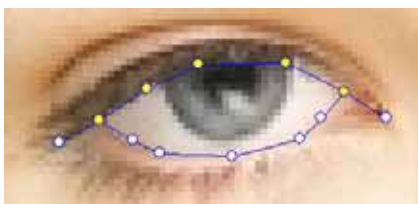


Bad

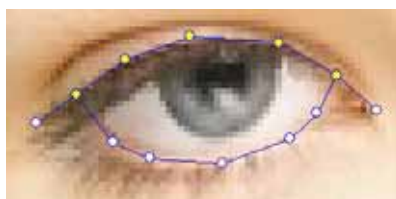
- b. Continue using **Head Motion Preview** to preview the result, and drag down the mouse to preview the mouth open while you lower the head.

- **How can I make the eyes look more real?**

If you are not using virtual eyes, but retaining the eyes in the original picture, move the control points outside the eyelids to create an even more realistic blinking action.

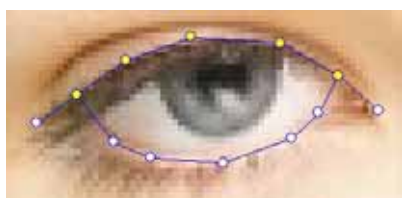


Incorrect

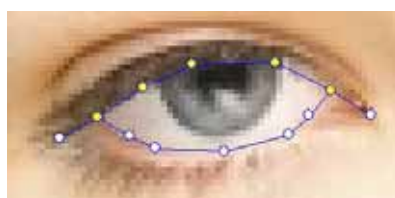


Correct

If you are using eyes from the CrazyTalk eye library, you need to set the eye control points inside the eyelids. This improves the realistic quality of the animated eyes.



Incorrect

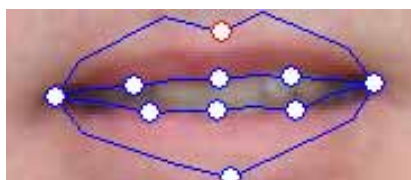


Correct

- **How can I improve the mouth movements for a photo with an open mouth?**

Use the **Detailed Facial Mode** to keep the upper and lower lips separate. Use the **Force to Close** function to close the mouth while speaking.

The following illustration shows how to fit an open mouth with the anchor points.



- **How can I avoid background movement without changing the original background?**

Use the **Background Mask Editing**  button and spread out the background using the brush and clear tools. Don't get the mask too close to the facial area and make sure that it does not overlap the head of the model.



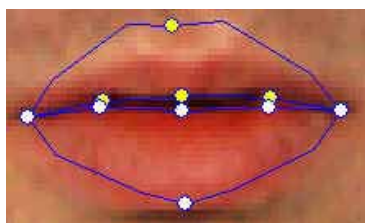
Incorrect



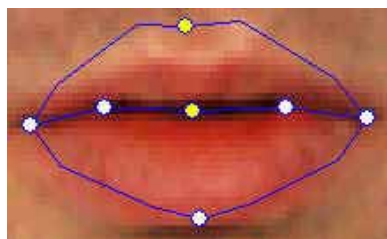
Correct

- **How can I use the Close Mouth Points feature to speed up the facial fitting?**

When you press the **Close Mouth Points**  button, the mouth will snap shut causing the points for the upper and lower lip to move together in a single line. If your character has a closed mouth, enable this feature so no dark line is visible between the lips while the mouth is closed. If your model has an open mouth, disable this feature so you can fit the points to the upper and lower region of the lips



Before closing



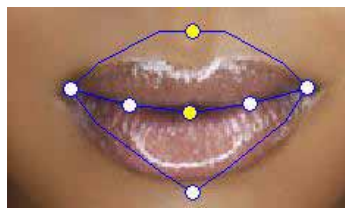
After closing

- **How do I know which control point is the upper or lower control points?**

Control points that are yellow in color indicate that they are the upper control points.



Control points of the eyelid



Control points of the upper lip

CrazyTalk CamSuite Introduction



Overview

Welcome to **CrazyTalk Cam Suite**, an animated messaging tool featuring customizable emotive facial animation that gives you much more fun than the conventional video chatting on instant-messaging applications. With **CrazyTalk Cam Suite**, you can start videoconferencing with or without a web camera installed in your PC.

With the easy interface of **CrazyTalk Cam Suite**, what your messenger friends see is your chosen avatar conveying lip-synching, instant emotive animations and special effects on your behalf. Alternatively, they can see your face with different expressions and special effects featuring by MagicMirror.

You can download a variety of avatar content from the Reallusion website or create your own avatar from a photo using **CrazyTalk Avatar Creator**. So any photo of yourself, your family or friend, your pet, from cartoons or comics, can be magically brought to life as an animated character on your messenger. On the website, you may also purchase more expressions, and comic effects to fulfill your favorite library. And of course, the fun rolls bigger

and bigger when you share this amazing program with all your friends on instant-messaging applications!

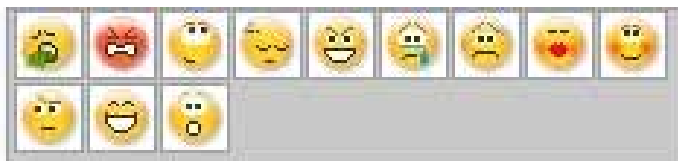
Getting Started

Operating System

- WindowsVista/XP/2000

Refer to the following steps to quickly start using **CrazyTalk Cam Suite** in your instant-messaging video conference. For more details on how to use each feature of **CrazyTalk Cam Suite**, refer to the rest of this Online Help.

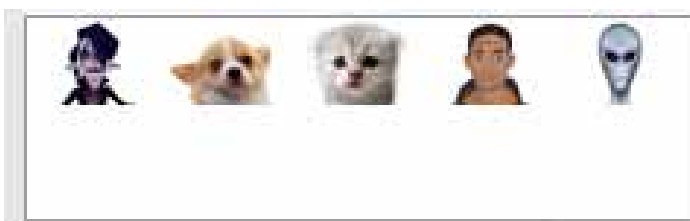
1. If you have an instant-messaging application installed on your OS, please manually change the audio/video devices.
2. You may apply the features in the **Avatar** tab.
 - i. Click one emotion item to preview the avatar video. You can also initiate a video call, and see the avatar video display in your messenger video window.
 - ii. Click to select an emotion from **Emotions**.



Emotions offers a wide range of emotive expressions such as happy, sad, surprised, scared, angry, and crying. Click to apply an emotion to your avatar along with the sound effect. If you are

using video conference, the lipsync and emotive animation are both visible to your conferencing partner.

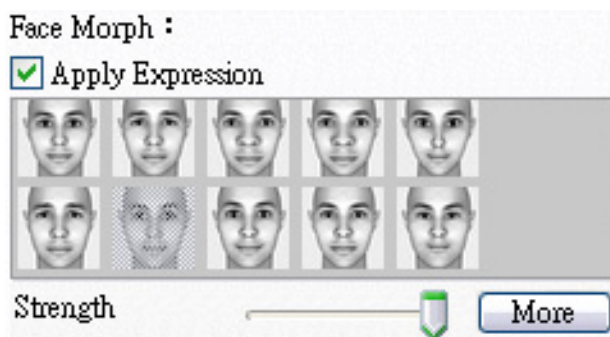
- iii. Click to select an avatar from **Avatars**. You will see your selected avatar appear in the preview window.



Avatars shows the default avatars provided by **CrazyTalk Cam Suite** as well as any imported avatars. Click to select an avatar and it will be displayed in the preview window. If you are on a video session, your partner will be able to see the avatar and the animation, even if your partner does not have **CrazyTalk Cam Suite** installed.

3. Alternatively, you can utilize your own face applied different effects in the **MagicMirror** tab.
 - i. Click on one of the expression to apply to your face. The result will be reflected on both the preview window in MagicMirror and your messenger conference window.

Expression library provides numbers of expressions such as, alien, bull, young, thin, sad, .etc. You may switch your expression anytime according to the subject of your conversation.
 - ii. Drag the **Strength** slider to increase or decrease the strength of your expression. One single expression then generates different aspects.



- iii. You may optionally click on the **Comic** templates to give a sudden impact to your partner during the video session. The comic library contains fire, thunder rain, sweat, etc. effects. Click one of the comic effects and it will display on your face instantly in the preview window.



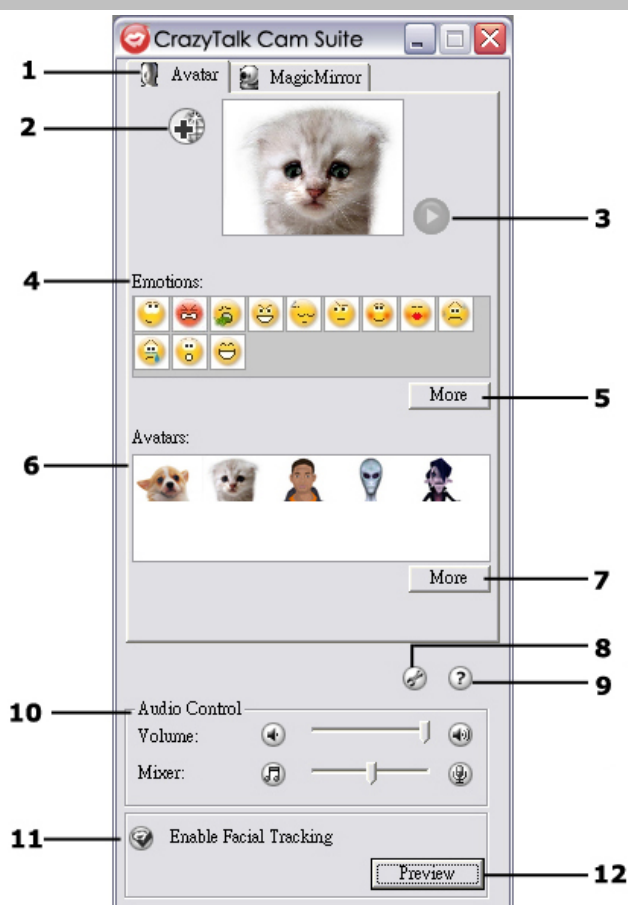
4. Plug in a microphone and your avatar can lip-sync whatever you say instantly.
5. You are now ready to use a wide range of animated expressions along with your video avatar on your instant messaging applications. Refer to the other parts of this Online Help for more information about **CrazyTalk Cam Suite**.

About the Interface

The following illustrations show the components of **CrazyTalk Cam Suite** interface:

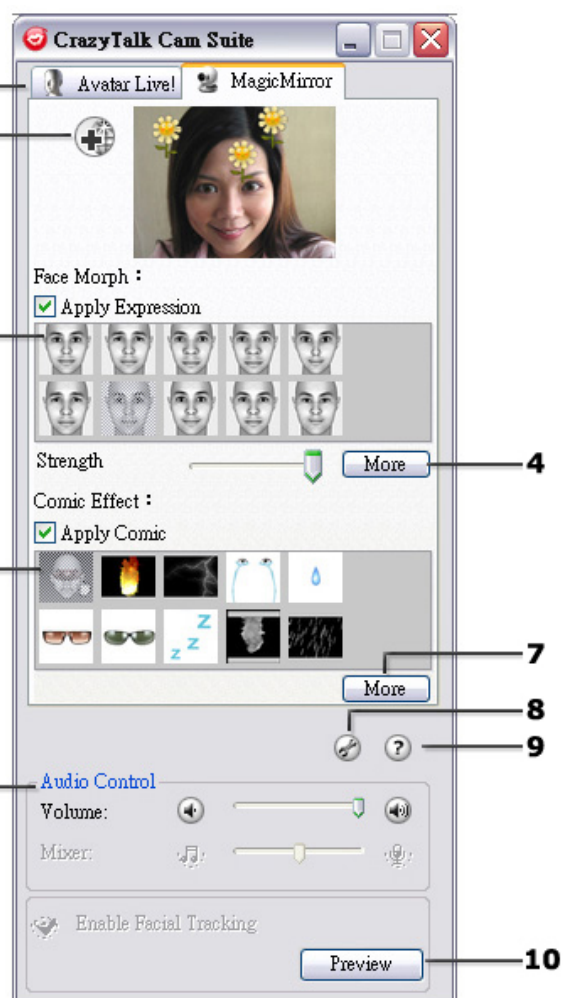
Avatar Interface:

1. Modes
2. Add Content from web site
3. Play Control
4. Emotions
5. More Emotions
6. Avatars
7. More Avatars
8. Settings
9. Help
10. Audio Control
11. Enable Facial Tracking
12. Preview



MagiceMirror Interface:

1. Modes
2. Add Content from web site
3. Face Morph
4. More Expression
5. Comic Effect
6. More Comic Effect
7. Audio Control
8. Settings
9. Help
10. Preview



Avatar

Selecting an Emotion

You can add emotive animations to your avatar so that you can convey any expression you want during a messenger video conference. With the advanced facial morphing technique, you can control your avatar's lips and expressions to show a wide range of emotions such as happy, sad, and angry, as well as facial movement such as winking, blinking, opening and closing of the mouth, and nose or cheek movement. Moreover, all the emotions are accompanied with sound effects to enhance the expressions.

Use one of the following steps to select the emotion applied to your avatar:

- Select an emotion and your avatar will show the emotion instantly.



- You can click  to get more emotions.



- O In the dialog, you can see **Default Emotions**, **My Emotions** and **Online Content**. In **Default Emotions**, you can see the default emotion content provided by **CrazyTalk Cam Suite**. Click **My Emotions** and you can see the content which you have purchased from the Reallusion website or create by **CrazyTalk Avatar Creator**. In **Online Content**, you can play back and

preview the latest avatars with emotions or link to the content store site for purchasing more contents.

- O Double-click any emotion in the **More Emotions** dialog, your avatar will show the emotion instantly.
- O Click **Online Content** and it will lead you to the content store on the website. You can view and purchase the new, hot and featured content.
- O If you have installed **CrazyTalk Avatar Creator**, click **Add Emotions** to show the **CrazyTalk Avatar Creator** content data. Please refer to **Import an Emotion** for details.
- O To delete an emotion, select the emotion and click **Delete**.
- O Select an emotion and click **To Favorite**, the emotion will be added to **Favorite Content**; the Favorite Content will be displayed on the **CrazyTalk Cam Suite** main interface, which is convenient for you to select afterwards.
- O Select an emotion in Favorite Content and click **Clear**, and you will remove the emotion from the Favorite Content. Please note: you will not delete the content; instead you remove the content from the Favorite Content section.

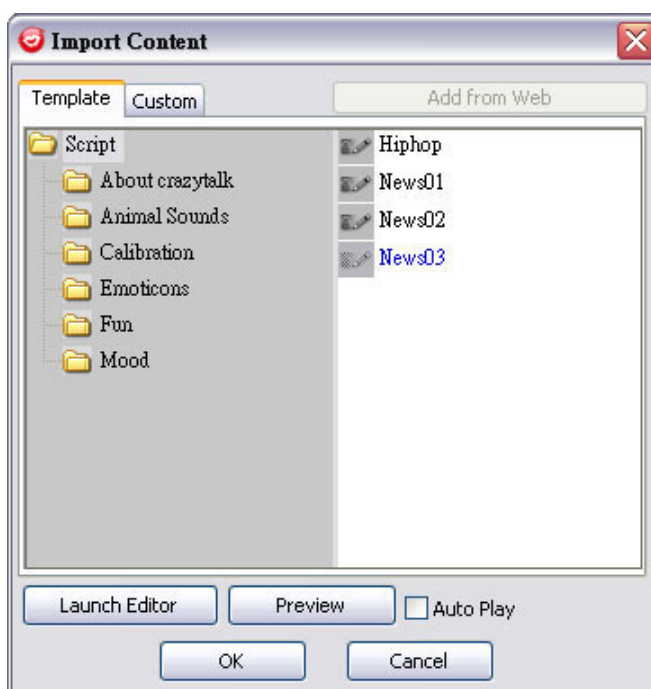
Importing an Emotion

CrazyTalk Cam Suite allows you to import customized scripts (.cts) from **CrazyTalk Avatar Creator** and use them as your emotions. This function expands your emotion library tremendously, as you can choose audio files or record your own voice to create your emotions.

In addition to creating your own emotions, you can download new emotion from the Reallusion website.

To import new emotions:

1. Click  to display the import options.



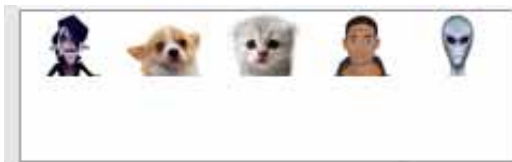
2. Click **Template** and browse through the folders to select a script (.cts) from the **CrazyTalk Cam Suite** default template scripts. Alternatively, click **Custom** to browse through the custom-created scripts. Refer to **CrazyTalk Cam Suite** Online Help to learn how to create custom scripts.
3. Select a template or customized script and click **Preview** to see the script file. If the **Auto Play** checkbox is checked, it will auto play the script file.
4. Click **OK** to use it as your **CrazyTalk Cam Suite** emotion. The emotion is now displayed in **My Emotions** in More Emotions dialog.

5. To create new emotions using **CrazyTalk Avatar Creator**, click **Launch Editor** to start **CrazyTalk Avatar Creator**. The new emotions are saved under the **Custom** tab.
6. To download emotions from the Reallusion website, click **Add from Web**. The new emotions are saved under **My Emotions**.

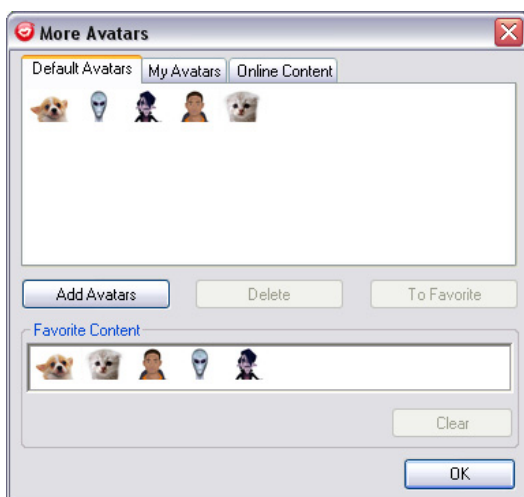
Selecting an Avatar

CrazyTalk Cam Suite enables you to select a customized image created by **CrazyTalk Avatar Creator** and use it as your avatar during instant-messaging video calls.

- Select an avatar from the **Avatars** area. You will see your selected avatar appearing in the preview window. If you are preceding a video conference, you will see the selected avatar displayed on your messenger application.



- You can click  to get more avatars:



- In the More Avatars dialog, you can see the **Default Avatars**, **My Avatars** and **Online Content** tab. **Default Avatars** shows the default avatars provided by **CrazyTalk Cam Suite**. Click **My Avatars** and you can see the content which you have bought from the Reallusion Content Store or as well as any other imported avatars created using **CrazyTalk Avatar Creator**. In **Online Content**, you can play back and preview the latest avatars with emotions or link to the content store site for purchasing more contents.
- Double-click to select an avatar from the **More Avatars** dialog, and the avatar will be displayed in the preview window. If you are preparing a video conference, your partner will see this avatar and the animation, even if your partner does not have **CrazyTalk Cam Suite** installed.
- **Online Content** will lead you to Reallusion Content Store on the web. You can view and purchase the new, hot and featured avatar content.

- If you have installed **CrazyTalk Avatar Creator**, click **Add Avatars** to show the **CrazyTalk Avatar Creator** content data. Please refer to Import an Avatar for details.
- To delete an avatar, select the avatar and click the **Delete** button.
- When you select an avatar and click **To Favorites**, the avatar will be added to **Favorite Content**; the avatars in Favorite Content will be directly displayed on the **CrazyTalk Cam Suite** main interface, which is convenient for you to select afterwards.
- When you select an avatar in Favorite Content and click **Clear**, you will remove the avatar from Favorite Content. Please note: you will not delete the content in **CrazyTalk Cam Suite**; instead you remove it from the Favorite Content section.

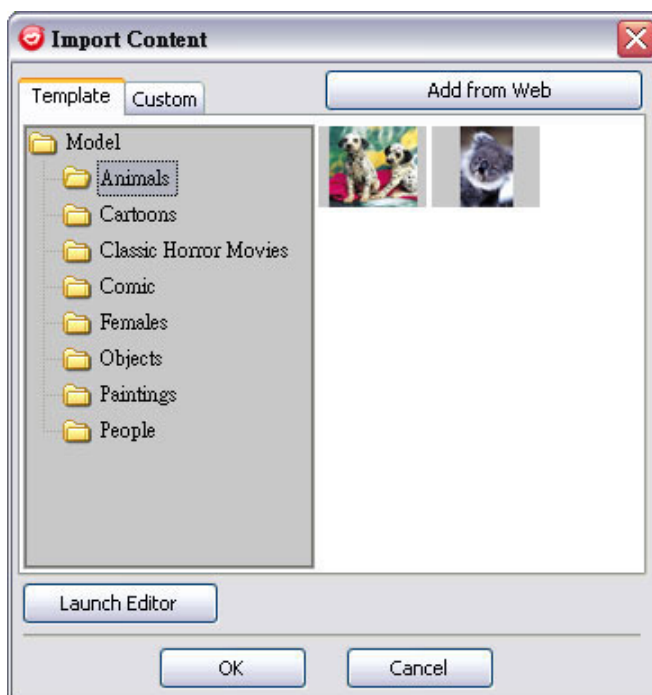
Importing an Avatar

CrazyTalk Cam Suite allows you to import customized images or photos from **CrazyTalk Avatar Creator** and use them as your avatars. This function expands your avatar library tremendously, as you can choose any photo of yourself or even your favorite movie star as your avatar.

In addition to creating your own avatars, you can download new avatars from the Reallusion website.

To import new avatars, do the following steps:

1. Click  to display the import options.



2. Click **Template** and browse through the folders to select a model from the **CrazyTalk Cam Suite** default template images. Alternatively, click **Custom** to browse through the custom-created models. Refer to **CrazyTalk Cam Suite** Online Help to learn how to create custom models.
3. Select a template or customized model and click **OK** to use it as your messenger avatar. The avatar is now displayed in **My Avatars**.
4. To create new avatars using **CrazyTalk Avatar Creator**, click **Launch Editor** to start **CrazyTalk Avatar Creator**. The new avatars are saved under the **Custom** tab.
5. To download avatars from the Reallusion website, click **Add from Web**. The new avatars are saved under the **My Avatars** tab.

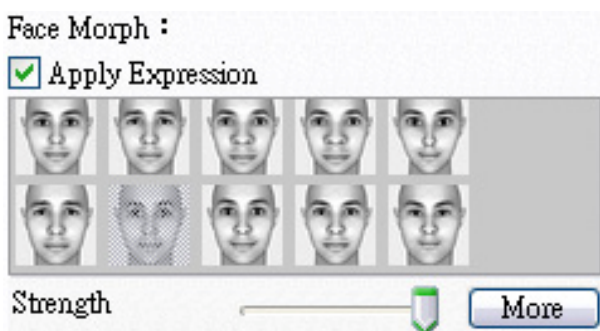
MagicMirror

Using Face Morph

You can add different expressions to enhance your face by means of **Face Morph** technology. This can enhance your face so that your face looks thinner, younger, or funnier with alien, bull or foxy expressions.

To use the Face Morph features:

- Check up the **Apply Expression** check box to apply the expression onto your face. Check off the box to discard the expression.
- Click on one of the expression you desire.
- Drag the **Strength** slider right to strengthen the expression while drag it left to decrease.



- Click on the **Preview** button to invoke the preview window.

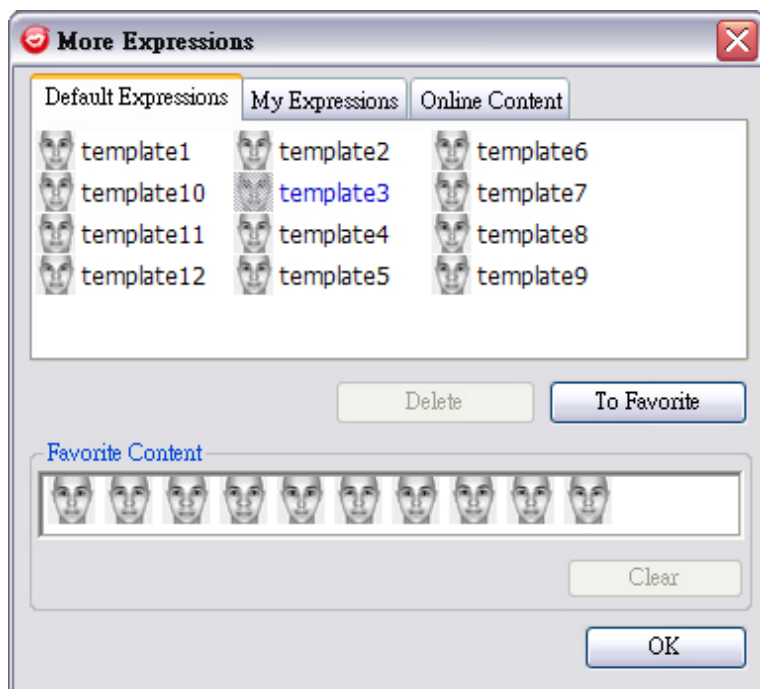


- The left pane, **Web Camera**, shows the original look of your face.
- The right pane shows the face with the expression applied.
- The **MagicMirror** pane is able to show **Expression** and **Comic** effect simultaneously.
- Check the **Horizontal Mirror** to flip the images in the two panes horizontally. You can then interact with **Cam Suite** much more like a mirror.

Getting More Expressions

MagicMirror enables you to adjust the amount of the Expression templates. Besides, you can also add, remove or purchase expressions to modify the contents in the Expression **Favorite** library.

- Please Click  to get more expressions.



- O In the dialog, you can see **Default Expressions**, **My Expressions** and **Online Content**. In **Default Expressions**, you can see the default expression contents provided by **CrazyTalk Cam Suite**. Click **My Expression** and you can see the contents which you have purchased from the Reallusion website. In **Online Content**, you can play back and preview the latest expressions or link to the content store site for purchasing more expressions.
- O Double-click any expression in the **More Expression** dialog, your face will show the expression instantly.
- O Click **Online Content** and it will lead you to the content store on the website. You can view and purchase the new, hot and featured contents.

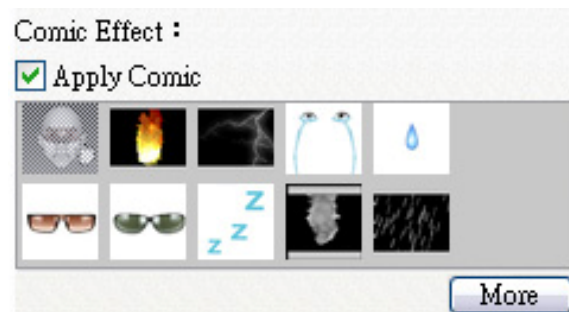
- O To delete an expression, select the expression and click **Delete**.
- O Select an expression and click **To Favorite**, the expression will be added to **Favorite Content**; the Favorite Content will be displayed on the **CrazyTalk Cam Suite** main interface, which is convenient for you to select afterwards.
- O Select an expression in Favorite Content and click **Clear**, and you will remove the expression from the Favorite Content. Please note: you will not delete the content; instead you remove the content from the Favorite Content section.

Selecting a Comic Effect

You can select interesting comic effects to entertain you and your messenger partners. You can use the effect to show your mood, emotions, feelings, or even add some accessories onto your face.

To use the Comic Effect features:

- Check up the **Apply Comic** check box to apply the comic effect onto your face. Check off the box to discard the effect.
- Click on one of the comic templates you desire.



- Click on the **Preview** button to invoke the preview window.

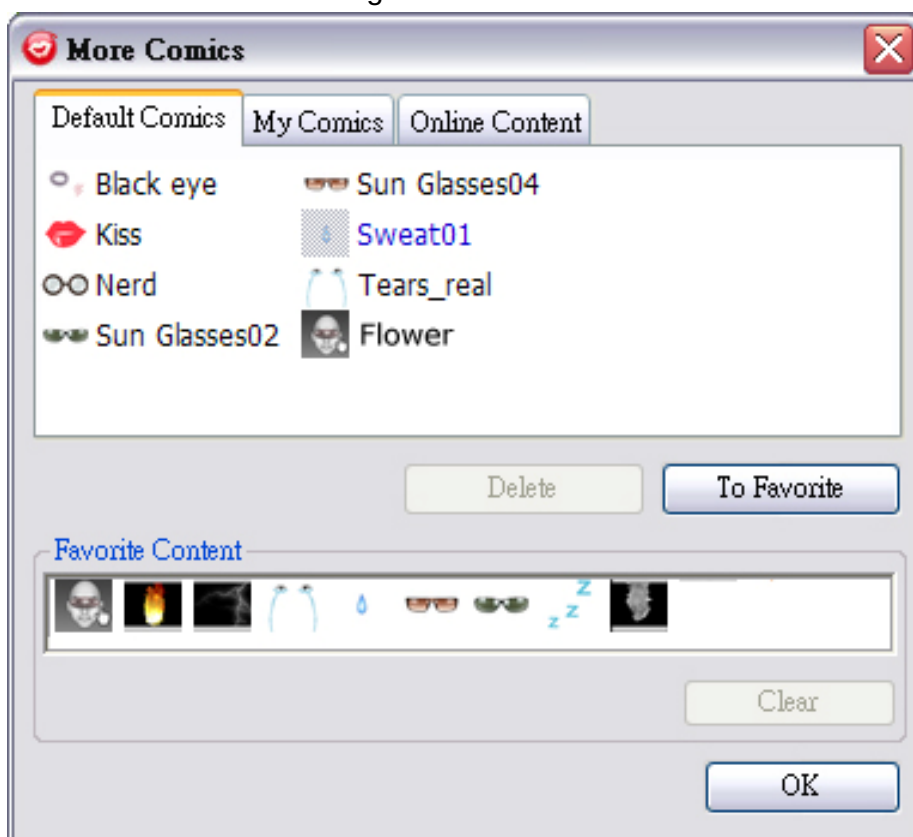


- The left pane, **Web Camera**, shows the original look of your face.
- The right pane, **MagicMirror**, shows the face with the comic effect applied.
- The **MagicMirror** pane is able to show **Expression** and **Comic** effect simultaneously.
- Check the **Horizontal Mirror** to flip the images in the two panes horizontally. You can then interact with **Cam Suite** much more like a mirror.

Getting More Comic Effects

MagicMirror enables you to adjust the amount of the Comic templates. Besides, you can also add, remove or purchase comic effects to modify the contents in the Comic **Favorite** library.

- Please Click  to get more comic effects.



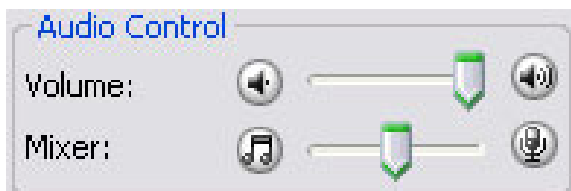
- 0 In the dialog, you can see **Default Comics**, **My Comics** and **Online Content**. In **Default Comics**, you can see the default comic contents provided by **CrazyTalk Cam Suite**. Click **My Comic** and you can see the contents which you have purchased

from the Reallusion website. In **Online Content**, you can play back and preview the latest comics or link to the content store site for purchasing more comic effects.

- O Double-click any comic in the **More Comic** dialog, your face will show the comic instantly.
- O Click **Online Content** and it will lead you to the content store on the website. You can view and purchase the new, hot and featured contents.
- O To delete a comic effect, select the comic effect and click **Delete**.
- O Select a comic and click **To Favorite**, the comic effect will be added to **Favorite Content**; the Favorite Content will be displayed on the **CrazyTalk Cam Suite** main interface, which is convenient for you to select afterwards.
- O Select a comic effect in Favorite Content and click **Clear**, and you will remove the comic effect from the Favorite Content. Please note: you will not delete the content; instead you remove the content from the Favorite Content section.

Audio Control

Audio Control allows you to real-time control over the audio while calling.



- The **Volume** slider bar allows you to control the volume while you talk.
- Click  to turn all the audio volume down; and click  to turn the audio volume up.
- The **Mixer** controls the audio level between music/sound effect and microphone.
- Click  to increase the music/sound effect and decrease the microphone volume.
- Click  to decrease the music/sound effect and increase the microphone volume.

Facial Tracking

This section describes items related to facial tracking.

Enable Facial Tracking:

1. Switch **Enable Facial Tracking**  button to turn on/off the facial tracking feature.
2. Move your head/mouse to trigger the avatar to track.
Tip: As for the target for tracking, please refer to Setting.
Click **Preview** button to invoke preview dialog box. You will see the Web Camera and Avatars window panes simultaneously.

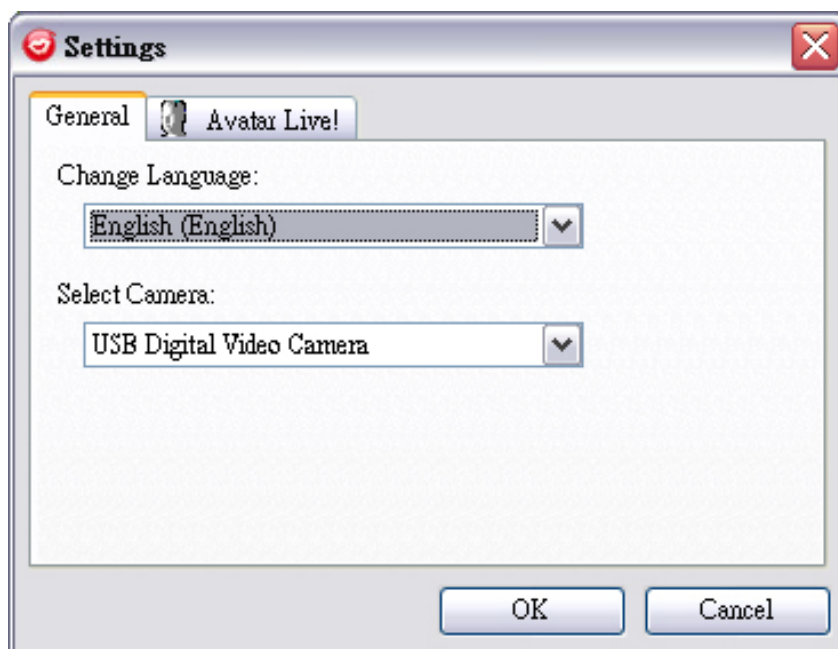


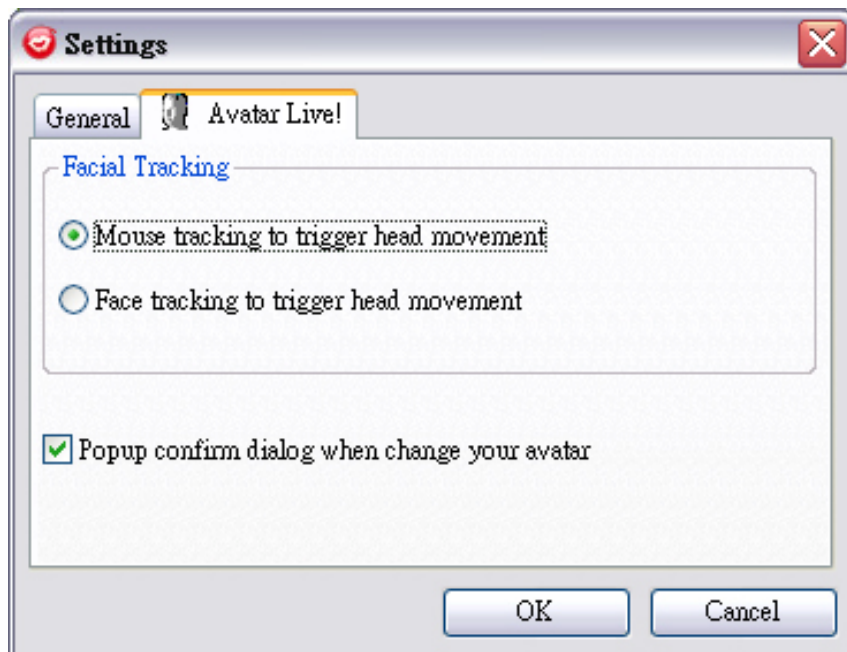
Check the **Horizontal Mirror** box on so the window pane flips horizontally. Thus you see yourself move toward the same direction as you move.

Settings

CrazyTalk Cam Suite allows you set the default status:

- Click  **Settings** to show the Setting window. You can change the general settings in this dialog box.





General Settings

- **Change Language** allows you to change user interface to the selected language.
- If you have instant-messaging application installed on your OS, please manually change the **audio/video** devices.
Take Skype 3.0 for instance, please invoke dialog box under **Tools/Options**. Set both the **Audio In** and the **Video/Select webcam** to **Reallusion Virtual Audio** and **Reallusion Virtual Camera**.

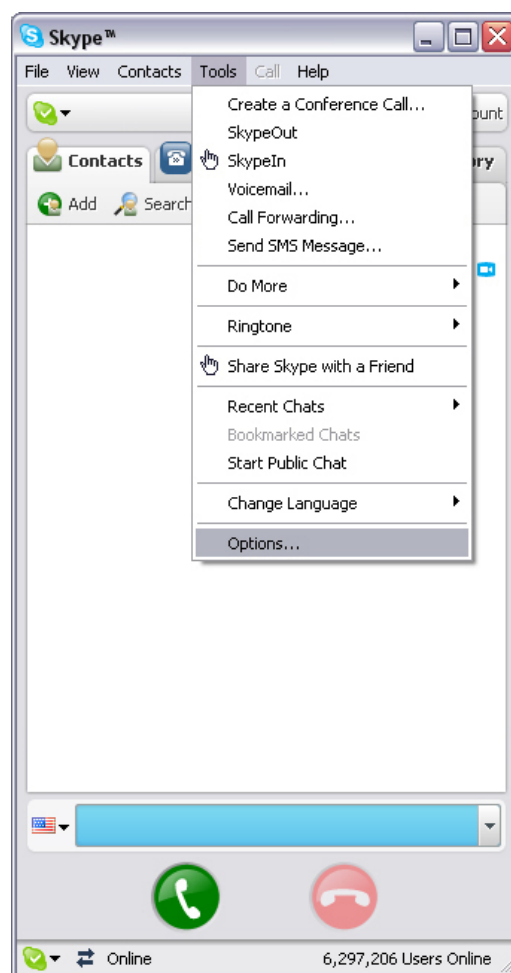
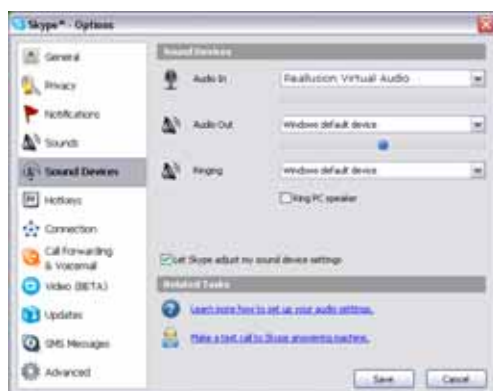
Facial Tracking

- Check **Face/Mouse tracking to trigger head movement** radio button so your avatar's head and eyes will track your head or mouse and move.
- **Select Camera** allows you to select your default camera. If you have multiple cameras installed on your PC, you need to select one of them.
- Check **Popup confirm dialog when change your avatar** checkbox and the confirm dialog will pop up while you change your avatar.

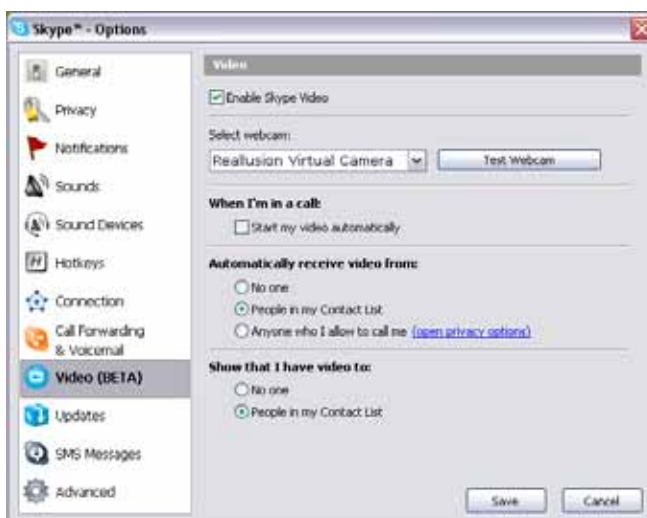
Set Devices

For connecting your messenger and **CrazyTalk Cam Suite**, the audio/video devices must be set manually. Take Skype for instance:

1. Launch **CrazyTalk Cam Suite** before using IM applications.
2. Make sure that you have already logged onto your instant-messaging application.
3. Click **Tools/Options...** to open the option dialog box.
4. Select the **Sound Devices** and set the **Audio In** to **Reallusion Virtual Audio**.



5. Select the **Video** and set the **Select webcam** to **Reallusion Virtual Camera**.



6. Click **Save button**. Your messenger then receives its audio and video sources from **CrazyTalk Cam Suite**.

Trouble shooting for web camera

Q1: My computer cannot detect the web camera when connect an extended USB cable.

To resolve this problem:

- Connect the web camera directly to a USB port on your computer. Make sure the web camera is connected to the USB port at the back of your computer. Some USB ports at the front of computers may not supply sufficient power for your web camera.

Q2: Insufficient system resources reserved for the USB port, causing the system to be unable to function.

There are too many devices in the system, causing IRQ problems with the system's USB controller.

Do the following:

- Remove some USB devices from the system.
- Restart the system.
- The computer reallocates resources.

Q3: The web camera does not light up or the computer restarts for no apparent reason.

You may have USB devices drawing too much power from your computer. This can happen especially when connecting USB devices to a passive or self-powered USB hub. A **USB Hub Power Exceeded** dialog box appears.

Try the following:

- Connect the web camera directly to your computer's USB port.
- Use a USB hub with an external power supply.