TANDBERG

TANDBERG Movi Version 3

Software release notes

Software version 3.0.5.5326

D14571 revision 01

November 2009

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Software release notes for TANDBERG Movi 3.0

Introduction

These release notes describe the new features and capabilities added to Movi since version 2.2.

Related documents

Movi administrator guide
Movi user guide
TANDBERG's Knowledge Base of frequently asked questions
TANDBERG Movi Troubleshooter

Changes to system requirements

- Both Movi 2.x and Movi 3.0 are now certified Windows 7 applications.
- Movi may now be provisioned with bandwidth down to 24kbps.
- The Movi 3.0 client can only run on computers with OpenGL version 1.2 or higher. Always make sure to use the latest driver version for any graphics card. See this Knowledge Base article for more information.
- Graphics cards must have hardware support for DirectX 8 or higher. See this Knowledge Base article for more information.

For complete system and infrastructure requirements, refer to the Movi administrator guide.

New features

New look

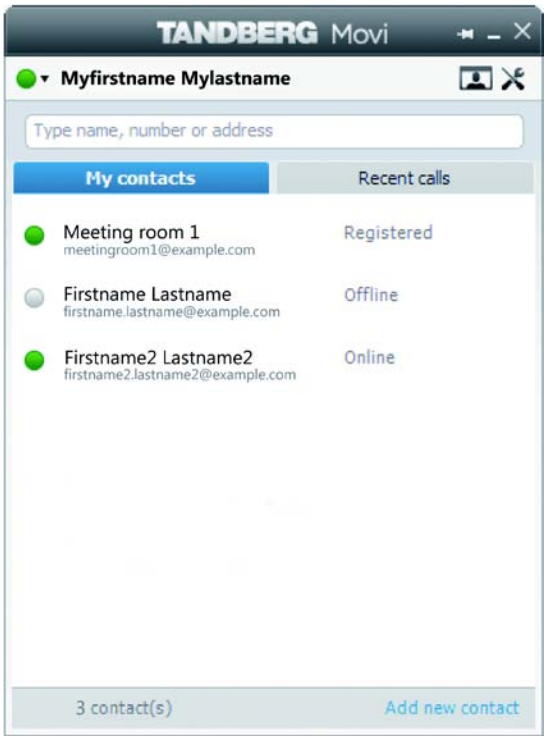
Movi version 3.0 has new colors, new icons, and an overall new user interface. The application has been split into a control window and a video window.

The control window

The control window comes up when you sign in to Movi. It contains everything related to making a call, and access to Movi's settings.

The control window is where you can change your presence status, edit the **My contacts** list, and find information about **Recent calls** you have made or received. Selfview may also be launched from the Movi control window.

The presence status button in the control window has changed since Movi 2.2. You should now click on the drop-down button that displays your current status, to select a new status from the menu. Clicking on your own name will now reveal your SIP URI below your name.



The video window

The video window will launch automatically when a call is made or answered, or when selfview is turned on from the control window.

The video window's pop-up toolbar contains actions needed during a call:

- Selfview on/off – will be displayed as a PiP (picture in picture) during calls
- Camera on/off
- Microphone on/off
- Volume control – slide to adjust, click to mute/unmute
- Fullscreen on/off
- Presentation sharing (see below)
- Keypad for DTMF input
- End call

Notifications

Indicators will be displayed in the video window when the camera or the microphone is switched off, the call quality changes, or a presentation is being shared.

Make Movi stay on top

The push-pin icon on each window bar will "pin to top", that is, make sure the Movi window stays visible on top of other applications you are using.

Presentation sharing with duo video

Movi version 3.0 can send and receive duo video in H.264 and H.263 (see Additions to standards support below).

When Movi receives a presentation, the main video will be shown as a picture in picture. You may drag and drop this PiP inside the video window to where it is most conveniently placed. Double-clicking on the PiP will focus the presentation.

Sharing a presentation

You can select an application to share as a presentation from the video window's toolbar. The option to stop the presentation is found by clicking the same button again.

If Movi is in a call and you launch presentation or fullscreen mode in PowerPoint or another application, Movi will ask if that presentation should be shared. Movi will then stop sharing automatically when you exit presentation mode in the application.

Device selection in Movi

When several audio input or output devices are present, you may now specify in Movi's settings which microphone, headset/loudspeakers or camera Movi should be using. Open the **Settings** dialog and select **Devices** to change audio input, audio output, or video input device.

Video quality and performance improvements

Optimized for HD

Movi 3.0 has a CPU-efficient M-JPEG decoder, allowing USB cameras that send HD quality using M-JPEG format, such as the TANDBERG PrecisionHD USB camera, to send HD video at relatively low CPU cost.

Movi also has special H.264 encoding optimization for the TANDBERG PrecisionHD USB camera, to let the client send HD at relatively low bandwidth in well-lit and low motion video calls.

CPU awareness

Movi version 3.0 will inform you when the CPU usage is high. If the high CPU usage is caused by Movi, the video resolution will be reduced automatically, and the user will be notified. If the high CPU usage is caused by other applications, Movi will inform the user of this and suggest closing other applications.

Bandwidth awareness

As a mobile client that can move around with your computer, Movi may have varying quality of network available to it from one sign-in to the next. Movi version 3.0 will adjust faster to these changes using receiver reports and/or SIP updates.

Referring to the network quality on the last calls made enables Movi to start calls with a bandwidth that is as correct as possible.

Intelligent bandwidth distribution

Movi 3.0 will dynamically use all allocated bandwidth to its full extent, which is especially useful in limited bandwidth scenarios. Movi maintains both audio and video for bandwidths from 25kbps, although 128kbps is a recommended minimum for video.

You may also free up bandwidth at any time as a user by muting either audio or video input. For example, muting the camera while showing a presentation is likely to improve the presentation quality because more bandwidth will be available.

Additions to standards support

Movi 3.0 adds support for several standards, described below.

Support for H.263/H.263+

Movi version 3.0 has added support for H.263/H.263+.

Table 1: Resolutions supported for H.263 and H.263+ in Movi 3.0

Format	Resolution	H.263+	H.263
HD	1280x720	X	
XGA	1024x768	X	
W4CIF	1024x576	X	
SVGA	800x600	X	
4CIF	704x576	X	X
NTSC	720x480	X	
VGA	640x480	X	
WCIF	512x288	X	
CIF	352x288	X	X
QNTSC	352x240	X	
QCIF	176x144	X	X
SQCIF	128x96	X	X

This will give existing TANDBERG customers a total solution for duo video between Movi and their endpoints.

Binary Floor Control Protocol (BFCP)

Movi 3.0 adds support for RFC 4582, also known as the Binary Floor Control Protocol (BFCP) to allow for improved handling of duo video. With interworking support on the TANDBERG VCS, Movi will be able to handle H.239 duo video to endpoints using H.323.

H.264 static macro block signaling

Movi 3.0 supports signaling of optional H.264 parameters in compliance with RFC 3984. This means that higher resolutions can be supported while keeping a 30fps framerate (for typical video conferencing scenes) towards endpoints such as those in the TANDBERG MXP product line.

Codec switching

The client also supports codec switching for one or both of the duo video streams. Movi will automatically switch to sending and/or receiving H.263 if the far end does not support H.264.

DNS SRV

To connect to the VCS, Movi 3.0 uses DNS SRV records, as defined in RFC 2782. The use of SRV records allows for greater redundancy and flexibility when deploying Movi in large networks.

For more information on Movi's use of DNS SRV, refer to the TANDBERG Movi administrator guide.

Other changes since Movi 2.2

Information banner and Conference information

An I**nformation** button (**i**) is available at the top of the video window when moving the mouse inside the window. The in call information banner can be pinned to always be present. Click the **i** to access **Conference information**, which contains traffic information that may be of use to an administrator or support personnel, for example when troubleshooting faulty connections.

Multiway participant

Movi version 3.0 supports Multiway participation, meaning that the Movi user may be put on hold or transferred to another conference.

Version information

Information about the currently installed version of Movi will now be found in the **About** box in the **Settings** dialog.

Improved warnings and notifications to user

Movi 3.0 adds better feedback to end users in several scenarios, such as:

- The user will now be notified when an incoming call has been set to audio only (the far-end camera has been turned off) or the call is downscaled to audio for bandwidth reasons.
- Movi will provide a more detailed error message when the camera is used by another application, when the camera is not connected, or something else is preventing Movi from reading from camera.

Resolved issues

- Unchecking the **Enable tray notifications** option in the settings now disables the “balloon”-style notification messages from the systray.
- Movi is now compatible with the Microsoft LifeCam VX-5000. For an overview of tested, supported and unsupported cameras, see this Knowledge Base article.
- Movi will now cleanly disconnect if Windows is shut down or restarted during a call.
- Movi will always display video after coming back from screensaver mode, resolved issue with specific 3D screensavers.
- The Phone book search is now more responsive.
- The sent bitrate now consistently respects the configured bitrate.
- Multiple stability fixes have been implemented.
- Several lipsync and audio breakup issues were fixed.

Known limitations

Duo video

- Due to BFCP implementations on MPS and MCU, Movi may not be able to send duo video without interworking. To force VCS interworking, disable SIP registrations on the MPS or MCU.
- Due to application-specific support for Windows APIs, not all applications can be shared with Movi at this time. Platforms known to cause presentation sharing issues in Movi include Adobe AIR and GTK+.

TANDBERG PrecisionHD USB Camera

- If using the TANDBERG PrecisionHD USB camera, upgrade to 1.1 or later to avoid compatibility issues.
- In Windows 7, the TANDBERG PrecisionHD USB camera will set a high input gain for the microphone, which can lead to audio issues on either end of a Movi call. See this Knowledge Base article for more information.

Other

- When distributing the Movi upgrade, only HTTP(S) URLs should be used as the software upgrade URL in TMS. Linking to a file share may cause Movi to become temporarily unresponsive.
- Movi 3.0 may frequently change between 16:9 and 4:3 during a call when adjusting resolution to varying network conditions. Movi will encode the best available resolution from the camera that fits the outgoing bandwidth.
- Using the keyboard for DTMF input does not work in Movi 3.0.