



Movino User Guide

Mobile Phone Client – Symbian S60

Installation

- Download the correct client for your phone (refer to your phone’s manual for specifications)
 - Movino mobile phone client
 - Nokia S60 v.2 (movino_v2.sis) for Nokia Symbian S60 2nd Edition phones
 - Nokia S60 v.3 (movino_v3.sisx) for Nokia Symbian S60 3rd Edition phones
 - Movino mobile phone client Lite (no MPEG encoding support)
 - Nokia S60 v.2 (movino_lite_v2.sis) for Nokia Symbian S60 2nd Edition phones
 - Nokia S60 v.3 (movino_lite_v3.sisx) for Nokia Symbian S60 3rd Edition phones
- Copy the client file to your phone and run it in order to install Movino on your phone. Nokia Application Installer can also be used.
- The Movino application will appear in the root menu or in a separate folder (3rd Ed., Installed >> Movino). If Movino is already installed on the phone (e.g. when installing a newer version), it will be installed in the same folder.

Usage

Movino is controlled via the *Options* menu. To get started, enable a camera from the *Settings* menu. More detailed information on the available settings is found in the *Settings* section. Zooming is done with Navi Up and Navi Down keys. The zoom indicator is shown to the right of the screen.



Video and audio can be streamed either to the Movino OS X desktop client via Bluetooth or a Movino video server via TCP/IP. This is selected from the *Connect* menu. More detailed information regarding connecting is found in the *Connect* section.





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Settings

Camera

Select which camera to use, or switch camera off.

When a camera is enabled, the video type, size and quality settings become available.



Video type

Select which video compression method to use.

- Uncompressed – Requires most bandwidth for streaming, but least computing on the phone.
- JPEG (default) – Requires less bandwidth than uncompressed, but a little more computing.
- MPEG – Requires least bandwidth, but most computing.



Video size

Select which video resolution to use. A higher resolution requires more bandwidth.

- 176x144 (default)
- 128x96



Video quality

Adjust the video quality. Better quality requires more bandwidth





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Audio type

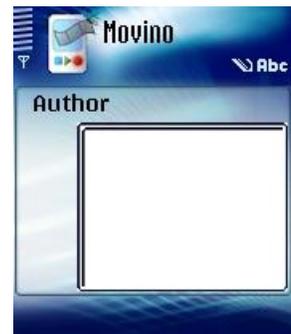
Select which audio encoding to use, or switch audio off.

- Off – Audio off
- PCM – Uncompressed, requires most bandwidth (16 KB/s)
- MuLaw – Slightly reduced dynamic range, requires less bandwidth than PCM (8 KB/s)
- AMR (default) – AMR-NB codec, best suitable for voice, requires least bandwidth (1,6 KB/s). The server needs to have AMR support.



Author

Type the name of the author of the video stream here.



Title

Type the title of the video stream here.



Archive stream

Select whether to archive the stream on the server for later viewing or not.





Connect

Bluetooth

The Movino mobile phone client is connected to the Movino OS X desktop client/server via Bluetooth. The computer running the OS X client needs to be visible for a Bluetooth device search, and the OS X client/server needs to be running when connecting to it.

When Bluetooth is selected in the mobile phone client's Connect menu, available devices will be searched for, and when the desired computer is selected, the mobile phone client will automatically connect to the OS X client/server. If a password is required for the connection, type it in the password dialogue field. The password is set in the OS X client/server.



TCP/IP

The Movino mobile phone client can also stream directly to a Movino video server over TCP/IP via GPRS or 3G.

After selecting TCP/IP in the phone client's Connect menu, type the hostname and the port number of the Movino video server you wish to use. If the server is set to authenticate incoming streams, a username and password dialogue will appear after connecting. Type your Movino Web Site username and password into the fields.





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When connected over Bluetooth or TCP/IP, the bandwidth usage is shown in the lower right corner of the screen.



Disconnect

In order to disconnect a Bluetooth or TCP/IP connection select `Disconnect` from the `Options` menu.



Test bandwidth

The available bandwidth of the current Bluetooth or TCP/IP connection can be tested with the `Test bandwidth` option in the `Options` menu.



Version

The `Version` option in the `Options` menu shows the revision number of the Movino mobile phone client currently installed on your phone.

Uninstalling

The application can be removed with the phone's Application Manager.