



Movino User Guide

Mobile Client – J2ME

The Movino J2ME Mobile Client is a generic Movino client that runs on most modern mobile phones. The application supports image recording and forwarding over bluetooth or TCP/IP.



Requirements

- J2ME MIDP 2.0 enabled mobile device with camera (refer to your device's manual for specifications).
- Either a good GPRS/3G operator subscription or bluetooth capabilities with corresponding J2ME API(JSR 82).
- About 80 KB of installation space.

Installation

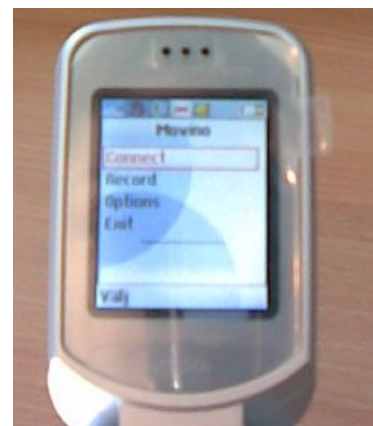
- Download the J2ME midlet. Usually only the .jar file is needed for the installation but some devices may also require the .jad file.
- Send the file(s) to your device over bluetooth or install them with your manufacturer's PC-suite.
- The application will be installed in the same folder as your other programs. This may be the program, games or entertainment folder.
- Review the midlet permissions and set connectivity and multimedia permissions to "Ask once" or "Never ask".

Start

Before Movino is started make sure that you have set the midlet permissions correctly as in the installation step and that bluetooth is enabled. When starting Movino for the first time you will be asked to test your device. This test checks your device for cameras and media formats. After the test has passed will the main menu be displayed.

Usage

Movino is controlled from the main menu in which you navigate as you normally would with your device. The main menu has four alternatives: **Connect**, **Record**, **Options** and **Exit**.





Connect

Bluetooth

First wait for the target device to show up in the device list. Select it and wait for the connection to establish. When the connection is established is the authentication dialog popped up. It is immediately hidden if no authentication is needed. Otherwise you need to input your username and/or password and press `ok`.

TCP/IP

Enter the IP address or DNS name for the server in the address field, change the port number if needed and press connect. If the connection succeeded is the authentication dialog popped up. It is immediately hidden if no authentication is needed. Otherwise you need to input your username and/or password and press `ok`.



Record

When recording you get the viewfinder on the screen and the application captures images with regular intervals. If the client is connected is the image forwarded to the Movino server. You stop recording by pressing the `stop` button. If manual capturing is enabled you capture the image yourself by pressing `capture`.



Options

In the `options` menu can you set these options:

- `Camera`. Select the camera to use.
- `Format`. Select the image format to use.
- `Auto capture`. Select if auto capture should be enabled or not.
- `Capture delay`. Select the delay between captures. `Synchronized` means that the next image is not taken before the current image has arrived to the server.
- `Author` is the name of the author of the stream. This information is published together with the stream.
- `Title` is the name of the stream. This information is published together with the stream.
- `Archive stream` sets if the stream should be archived by the video server or not.





- **Retest device**, does a new device test to find cameras and media formats. This test also outputs debug information that can help you with troubleshooting.

Exit

Closes the application. Options are saved and restored next time you run Movino.

Troubleshooting/FAQ

1) When I start Movino I get "Library loading failed". What's wrong?

Your phone does not support MIDP 2.0 and/or does not have the multimedia api which is needed for the Movino client. Sorry, but there's not much you can do.

2) No cameras found, hu?

Try to run retest device from the options menu and read through the debug information. Check that the midlet multimedia permissions are set to "Ask once" or "Never ask". Try opening the camera latch. Check battery status, if low the camera might not start.

3) When recording there is an annoying camera sound clicking of every image, how can I turn it off?

Try put your phone in silent mode. Set midlet sounds off. Set native camera sound off. On some phones it's not possible to get rid off it at all, maybe due to unacceptable strict security reasons.

4) I get very low framerate, why?

Try changing the Capture delay in the options menu. Many phones are not made to be fast cameras, the system is simply too slow.

5) Bluetooth search fails, why?

On some phones you need to activate bluetooth before starting Movino. Activate bluetooth and restart. Does your phone really support bluetooth?

6) Movino service not found when selecting bluetooth device, why?

Make sure Movino is running on the target device. Try reactivate bluetooth in the phone.

7) Connection closed after authentication, why?

You entered bad username or password.