



## Keitai my Eigo

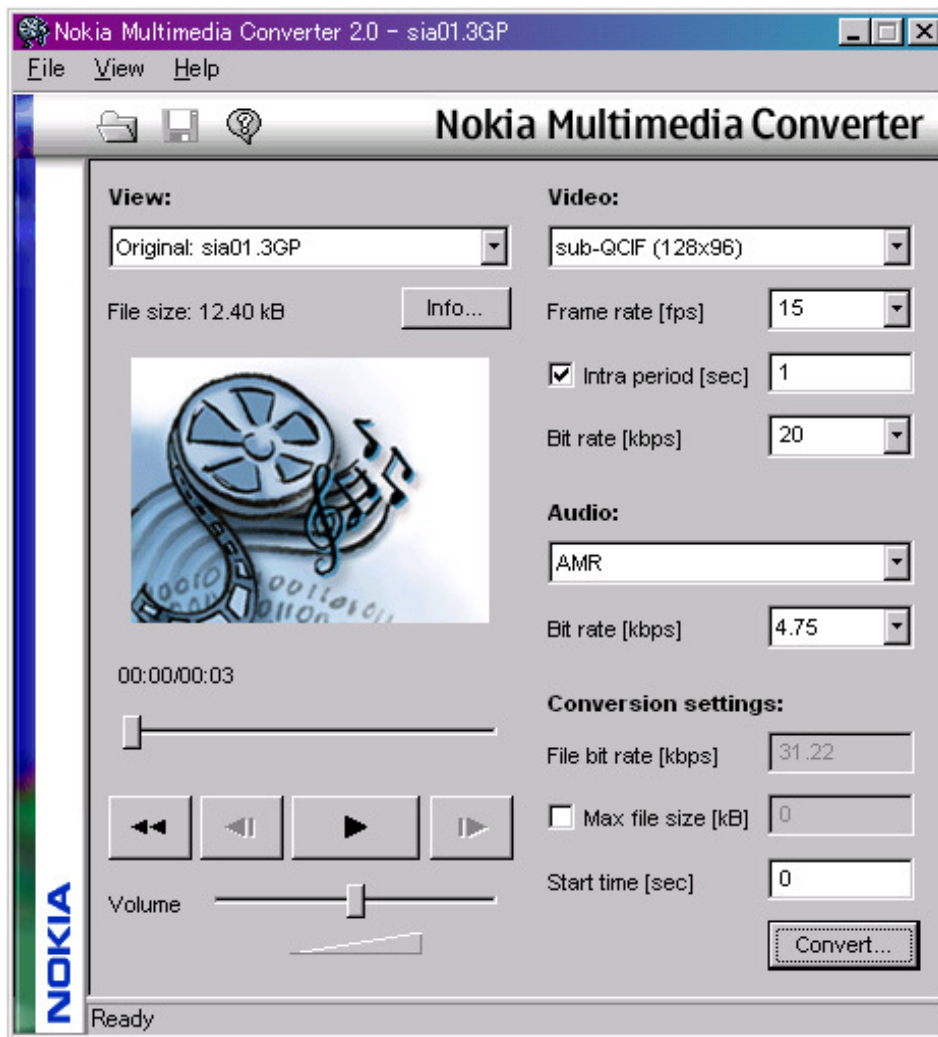
<http://www.ocf.berkeley.edu/~jscott/kme/index.html>

With a little technical know-how, your mobile phone can become the ultimate multimedia secret weapon! It can do many things your computer can do, only smaller and more portable. And it can capture your students' attention in ways your computer never will. But because keitai is an expanding technology, making the most of your keitai can lead to some frustrating technical issues and incompatibilities. Don't worry! Here is a roadmap for navigating those technical issues. So first, enter the link above into your mobile web browser, or use your keitai bar-code scanner on the barcode above, and explore the possibilities of the keitai revolution. Then follow the guide below and learn how to become a part of that revolution...

- **Multimedia file formats!!! Compatibility issues and file conversions**
  - ◇ Media files are not always compatible between handsets. So get to know your file formats.
  
- **File transfer issues: mail? USB? SD Card?**
  - ◇ Getting media files out of your mobile and into the world at large.
  
- **XHTML: a quick tutorial for simple text sites**
  - ◇ Don't let the letters scare you; writing a webpage by hand is much easier than you think.
  
- **Server-side issues: .htaccess and character encoding and mime types**
  - ◇ Control how your files are sent out to avoid common internet browser incompatibilities.
  
- **Useful software and information links**
  - ◇ Extra software and information to assist in developing a mobile website.
  
- **Some ideas to inspire you and your students**
  - ◇ Tired of all this tech talk? Here are some practical examples for putting it into daily use.
  
- **Sample .htaccess and XHTML files**
  - ◇ .htaccess control file
  - ◇ Home page
  - ◇ Top lessons page
  - ◇ Self-intro lesson page
  - ◇ Japanese text translation page

- **Multimedia file formats!!! Compatibility issues and file conversions**

- **.jpg** for images.
- **.3gp** for audio and video.
- Record with your own keitai! Just be careful: not all audio/video recording modes save as .3gp files. Often, only the Medium size/quality video modes will work (check your phone's manual).
  - ✧ For audio only, record video with your finger completely covering the camera lens!
- Convert audio and video to standard (for all handsets) using Nokia Multimedia Converter 2.0
  - ✧ For maximum compression use the conversion settings displayed in the screenshot below:



**Nokia Multimedia Converter 2.0**

[http://www.forum.nokia.com/info/sw.nokia.com/id/d1c17a7f-1231-4385-8c17-04f28f4f2d8e/Nokia\\_Multimedia\\_Converter\\_2.0.html](http://www.forum.nokia.com/info/sw.nokia.com/id/d1c17a7f-1231-4385-8c17-04f28f4f2d8e/Nokia_Multimedia_Converter_2.0.html)

- **File transfer issues: mail? USB? SD Card?**

- Mobile mail is simplest, but can be expensive for large files.
- USB is cheap, but requires a PC cable and software for each different brand.
- Micro-SD card with size adapters is fast with good cross-platform compatibility.
- Posting files on a private website is easiest way to distribute converted files.
- Make files as small as possible because downloading costs can be high (about ¥2 / KB).

## ● XHTML: a quick tutorial for simple text sites

- XHTML is like HTML, only simpler and clearer.
- XHTML tags are all in lower case and must always have an opening and closing tag:
  - ◇ HTML `---` `xhtml`
  - ◇ `<TITLE>This is a Title` `---` `<title>This is a Title</title>`
  - ◇ `<BR>` `---` `<br />`
- XHTML code does not use complicated tricks to do fancy things like HTML does.
- Keep your XHTML code as simple as possible:
  - ◇ Fancy formats don't look good on a small mobile screen.
  - ◇ Lots of pictures and sounds makes the page slow and expensive to download.
  - ◇ Frames, tables, fancy mouse effects, etc., may not work at all on a mobile.
- XHTML mobile sites are best written by hand with **Notepad**, NOT programs like FrontPage, etc.
- To test your code, upload and check on your mobile and the XHTML Validator (see link below).
- Incorrect code may work fine on a PC, but give unpredictable results on mobile browsers.
- Validating your XHTML pages can help you learn correct code quickly.
- **Global Authoring Practices for the Mobile Web**  
<http://www.passani.it/gap/>
- **XHTML 1.0 Elements Library – HTML 4.01 Tag Library**  
[http://webdesign.about.com/od/htmltags/a/bl\\_index.htm](http://webdesign.about.com/od/htmltags/a/bl_index.htm)
- **The W3C Markup Validation Service**  
<http://validator.w3.org/>

## ● Server-side issues: .htaccess and character encoding and mime types

- If your site has any Japanese, you have to be careful about character encoding:
  - ◇ Unicode (UTF-8), ISO-8859-1, and ANSI are most common for English.
  - ◇ **Shift-JIS** is most common for Japanese computers and keitai.
  - ◇ Match your computer's output code with the webserver output code.
  - ◇ If they don't match, you will get garbage characters (mojibake).
  - ◇ The XHTML Validator above can help you troubleshoot encoding problems.
- .htaccess is a file that controls how your webserver sends out your files:
  - ◇ Control the character encoding.
  - ◇ Control the file type.
  - ◇ Control how long the file stays in the browser cache memory.
- .htaccess is a hidden file that lives in the main directory of your website.
  - ◇ Write the file with a plain text editor, save as htaccess.txt and transfer to your website.
  - ◇ Then rename the file to **.htaccess** (NO .txt or other extension at the end).
  - ◇ It might disappear from view because it is now a hidden system file: that's OK and normal.
- **.htaccess Tutorial**  
<http://www.freewebmasterhelp.com/tutorials/htaccess>

- Useful software and information links

- **Openwave Phone Simulator**

- [http://developer.openwave.com/dvl/tools\\_and\\_sdk/phone\\_simulator/](http://developer.openwave.com/dvl/tools_and_sdk/phone_simulator/)

- **Web Development Tools a la Jeffrey**

- <http://www.ocf.berkeley.edu/~jscott/gifuinfo/dwebtools.html>

- **Web Tools for Students a la Jeffrey**

- <http://www.ocf.berkeley.edu/~jscott/gifuinfo/swebtools.html>

- **Email Jeffrey Scott**

- [jscott@ocf.berkeley.edu](mailto:jscott@ocf.berkeley.edu)

- Some ideas to inspire you and your students

- **Multimedia in the classroom:**

- ◇ As a visual aid: take photos of useful diagrams, gestures, etc.

- ◇ As a voice recorder or video recorder:

- ✓ Record ALT's voice modeling.

- ✓ Record class dialogues.

- ✓ Record class projects like plays, songs, raps, poetry, etc.

- ✓ Write, direct, and shoot a keitai movie!

- **Mobile Web:**

- ◇ Your lesson plans on a mobile website:

- ✓ Students can pre-study and post-study outside of class.

- ✓ Students can access information during class.

- ✓ Add multimedia clips that students can access anytime: vocab/phrases in your voice, class projects, etc.

- ◇ Mobile website as class project for advanced classes or English club:

- ✓ Students create a mobile website in English for school, club, town, etc.

- ✓ Students can even help you build and maintain your lesson plan website for the other classes!

- ◇ Collaboration with other teachers:

- ✓ Post syllabus, schedules, special notices, class notes, etc. on a shared keitai site.

- **Keitai Mail:**

- ◇ Games for in-class, club, or weekends:

- ✓ Quiz show with answers submitted via keitai mail.

- ✓ Scavenger hunt with proof submitted via keitai photo mail.

- **A Bit of Advice:**

- ◇ Beware of small-screen-clutter and death-by-packets: keep it simple, cheap, and universally accessible.

- ◇ Copyright issues: avoiding copyright infringement can be trickier than you might think.

- ◇ Privacy issues: WWW really means WORLD WIDE! (a cautionary tale)

- ◇ The applications are unlimited now that we are out of the box, so be inventive and have fun!

## ● Sample .htaccess and XHTML files

- Browse these sample files as models for your own XHTML code.
- Use the **View Source** option under your browser's **View** menu to examine the code of any webpage. Don't blatantly rip-off others' code, but do use it to learn and inspire your own.
- Use sample files to create your own templates for quick, easy page creating and updating.
- Graphical HTML editors (FrontPage for example) add a lot of unnecessary code to your webpages, actually making them bigger, slower, messier, and more difficult to update. A keitai site should be bare-bones simple, and this is easiest to do by hand-coding with a plain text editor (**Notepad** for example).
- Once you get an idea of the structure of XHTML tags, hand-coding a simple mobile site is easier than you might think. And if you use the XHTML Validator, it will point out your mistakes.

### .HTACCESS CONTROL FILE

FILENAME: .htaccess

```
AddCharset shift_jis .html
AddCharset shift_jis .txt
AddType video/3gpp .3gp
AddType image/jpeg .jpg
AddType image/gif .gif
AddType text/plain .txt
AddType application/pdf .pdf
AddType application/msword .doc
AddType application/mspowerpoint .ppt
AddType application/zip .zip
ExpiresActive on
ExpiresDefault A86400
ExpiresByType text/html A43200
ExpiresByType video/3gpp A2592000
ExpiresByType image/jpeg A2592000
ExpiresByType image/gif A2592000
ExpiresByType text/plain A2592000
ExpiresByType application/pdf A2592000
ExpiresByType application/msword A2592000
ExpiresByType application/mspowerpoint A2592000
ExpiresByType application/zip A2592000
ErrorDocument 404 default
```

## HOME PAGE

FILENAME: /keitaimyeigo/index.html

```
<?xml version="1.0" encoding="shift_jis"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="ja" lang="ja">
<head>
<meta http-equiv="content-type" content="text/html; charset=shift_jis" />
<meta name="robots" content="none" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<meta name="author" content="jeffrey scott" />
<meta name="copyright" content="2007 jeffrey scott" />
<title>Keitai my Eigo</title>
</head>
<body>
<p>Hello! Welcome to Keitai my Eigo!<br />
<br /><br />
<br />I am Jeffrey.<br />
<br />Here you can see my English lessons. You can study vocabulary and useful phrases with
Japanese translations. Sometimes there is sound 音 or pictures 画 too!<br />
<br />--Sound Files are currently uploaded for first 3 lessons only--<br />
<br />Please enjoy!</p>
<ul>
<li><a href="lessons/index.html">Lessons</a></li>
<li><a href="holidays/index.html">Holidays</a></li>
<li><a href="info/index.html">Information</a></li>
<li><a href="news/index.html">News</a></li>
</ul>
<p><br /><br /></p><hr />
</body>
</html>
```

## TOP LESSONS PAGE

FILENAME: /keitaimyeigo/lessons/index.html

```
<?xml version="1.0" encoding="shift_jis"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="ja" lang="ja">
<head>
<meta http-equiv="content-type" content="text/html; charset=shift_jis" />
<meta name="robots" content="none" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<meta name="author" content="jeffrey scott" />
<meta name="copyright" content="2007 jeffrey scott" />
<title>English Lessons</title>
</head>
<body>
<p>English Lessons:</p>
<ul>
<li><a href="sia/index.html">Self Intro A</a></li>
<li><a href="sib/index.html">Self Intro B</a></li>
<li><a href="gform/index.html">Formal Greetings</a></li>
<li><a href="gcas/index.html">Casual Greetings</a></li>
<li><a href="enkata/index.html">Katakana English</a></li>
<li><a href="enclass/index.html">Classroom English</a></li>
<li><a href="mylife/index.html">My Life</a></li>
<li><a href="stalk/index.html">Small Talk</a></li>
<li><a href="number/index.html">Numbers</a></li>
<li><a href="opposite/index.html">Opposites</a></li>
<li><a href="compare/index.html">Comparisons</a></li>
<li><a href="body/index.html">Body Parts</a></li>
<li><a href="time/index.html">Date & Time</a></li>
</ul>
<p><br /><br /></p><hr />
<p><a href="../index.html">HOME PAGE<br />ホームページ</a></p>
</body>
</html>
```

## SELF-INTRO LESSON PAGE

FILENAME: /keitaimyeigo/lessons/sia/index.html

```
<?xml version="1.0" encoding="shift_jis"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="ja" lang="ja">
<head>
<meta http-equiv="content-type" content="text/html; charset=shift_jis" />
<meta name="robots" content="none" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<meta name="author" content="jeffrey scott" />
<meta name="copyright" content="2007 jeffrey scott" />
<title>Self Intro A</title>
</head>
<body>
<p><a href="sia01.txt">Hello, my name is Jeffrey.</a> <a href="sia01.3gp">音</a><br />
<br /><a href="sia03.txt">I come from San Francisco, California.</a> <a href="sia03.3gp">
音</a><br />
<br /><a href="sia04.txt">My hobbies are fencing and traveling.</a> <a href="sia04.3gp">
音</a><br />
<br /><a href="sia05.txt">I love Japanese food, especially sushi!</a> <a href="sia05.3gp">
音</a><br />
<br /><a href="sia06.txt">I enjoy listening to many kinds of music.</a> <a
href="sia06.3gp">音</a><br />
<br /><a href="sia07.txt">I am enjoying my life here in Japan.</a> <a href="sia07.3gp">
音</a><br />
<br /><a href="sia08.txt">Please enjoy learning English and some American culture!</a> <a
href="sia08.3gp">音</a></p>
<p><br /><br /></p><hr />
<p><a href=" ../index.html">LESSONS</a></p>
<p><br /><a href=" ../ ../index.html">HOME PAGE<br />ホームページ</a></p>
</body>
</html>
```

## JAPANESE TEXT TRANSLATION PAGE

FILENAME: /keitaimyeigo/lessons/sia/sia01.txt

ハロー、私の名前はジェフリーです。