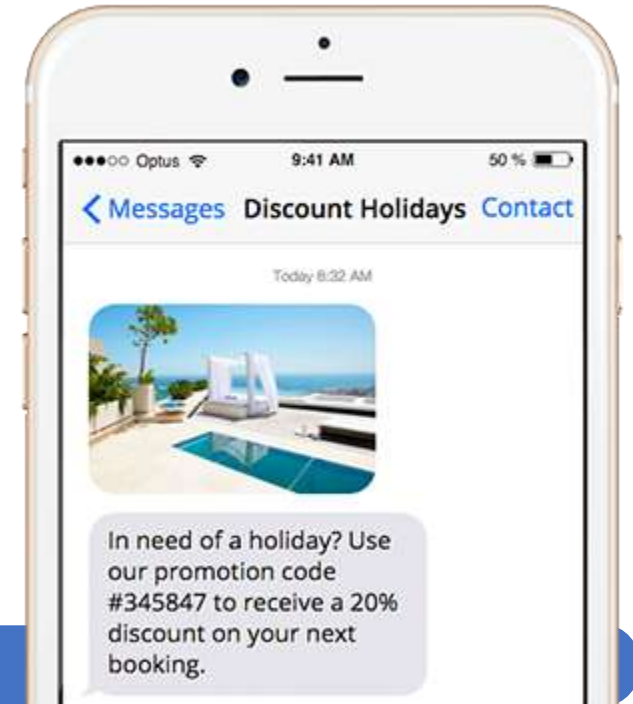


# MMS Compiler

Author: Vladimir Kameňar



**MMS** (*Multimedia Messaging Service*), synonyms:  
PXT, **picture message**, multimedia message,  
...

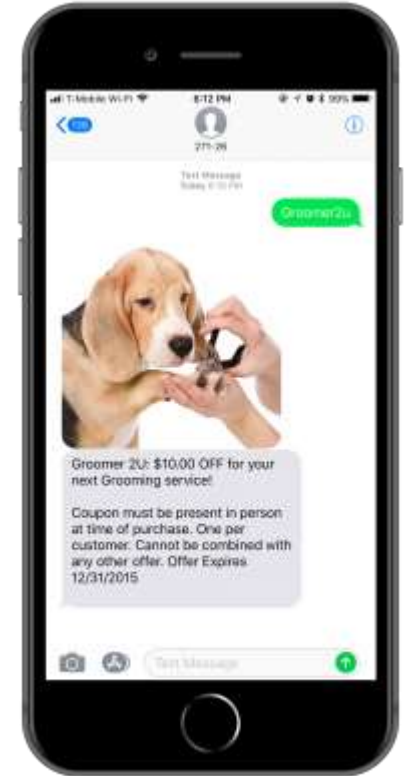
# Overview

Multimedia Messaging Service (MMS) is an evolution of the SMS.

In MMS you can include text and **multimedia** images, slide show, sound and video to provide a more eye-catching experience for the user. The visual content displays and plays within the recipients SMS application.

MMS is fully supported in most mobile phones manufactured since the end of 2001, including feature phones and smartphones: Android, Symbian, Blackberry, Windows Phone, among others.

Apple supports MMS with limitations since iOS 3 (SMIL formatting is ignored).



# MMS Authoring Tools

There used to be several useful tools:

- Ericsson MMS Composer
- InterObject MMPlayer
- Nokia Developer's Suite
- ...



Sadly, they are not available or not supported any longer.

You may still try your luck searching for similar tools... Be careful downloading from untrusted sources!

**Alternative:** A simple and open-source **MMS Compiler**.

NEXT

# MMS Compiler



The **MMS Compiler** is an open-source command-line tool, which can be used to generate MMS files based on an input set of text and multimedia files (images, audio, video)

# Static Images



The recommended aspect ratio is 9:16 for optimal resizing on most screens. For example: 320x570 px.

Some devices support only GIF, JPEG and WBMP formats.

- **JPEG** is recommended for high resolution pictures / photographs
- **GIF** is recommended for bitmaps with solid areas of color (i.e. logos, icons). Some devices don't support transparency. So, the transparent areas, if present, may display as an opaque color instead.
- **WBMP** is optimal for small monochrome images

It is recommended to optimize the image to reduce the file size. Multiple free online tools are available to optimize (compress) images.

# Video



Video was not supported in the first generation of MMS. Some older devices might not support video playback.

The preferred video file format for MMS is **3gp**. Many MMS clients are able to reproduce a 3gp video directly, not depending on an external player.

Usually, the maximum video duration is **40 seconds**.

# Preview MMS

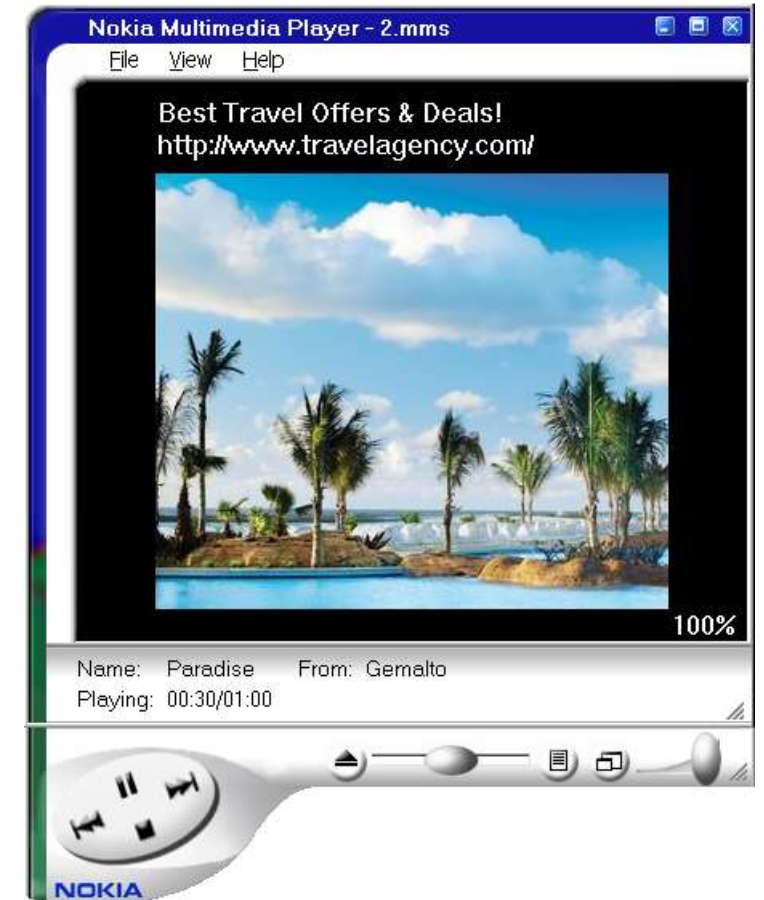
The **Nokia Multimedia Player** is a freeware tool, which can be used to preview MMS files in Windows.

It shall work fine in Windows XP or earlier.

In Windows 7 it is possible to enable compatibility with **Windows XP SP3**.

In newer Windows versions the compatibility trick doesn't seem to work any longer.

**Limitations:** no support for animated GIFs or GIFs with transparency, no support for MPEG video.



# Push MMS

1  
2  
3

1. Upload the MMS file to a webserver (no SSL, no redirects)





# Push MMS

1  
2  
3

1. Upload the MMS file to a webserver (no SSL, no redirects)



2. MMS notification (SMS bearer): The URL to download the MMS file



# Push MMS

1  
2  
3

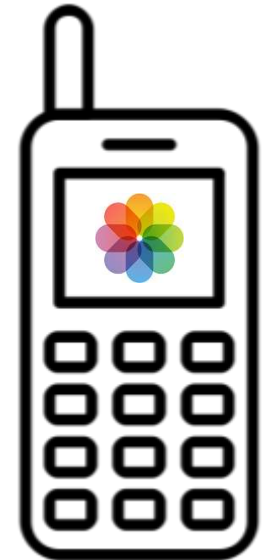


1. Upload the MMS file to a webserver (no SSL, no redirects)



3. Download the MMS file through the given URL (no user interaction)

2. MMS notification (SMS bearer): The URL to download the MMS file



# Learn More:

[https://en.wikipedia.org/wiki/Multimedia\\_Messaging\\_Service](https://en.wikipedia.org/wiki/Multimedia_Messaging_Service)

