AXMEDIS
Automated Production of Cross Media Content for Multichannel Distribution

AXMEDIS PDA Player User Manual
AXMEDIS COPYRIGHT NOTICE

The following terms (including future possible amendments) set out the rights and obligations licensee will be requested to accept on entering into possession of any official AXMEDIS document either by downloading it from the web site or by any other means. Any relevant AXMEDIS document includes this license. PLEASE READ THE FOLLOWING TERMS CAREFULLY AS THEY HAVE TO BE ACCEPTED PRIOR TO READING/USE OF THE DOCUMENT.

1. DEFINITIONS
   i. "Acceptance Date" is the date on which these terms and conditions for entering into possession of the document have been accepted.
   ii. "Copyright" stands for any content, document or portion of it that is covered by the copyright disclaimer in a Document.
   iii. "Licensor" is AXMEDIS Consortium as a de-facto consortium of the EC project and any of its derivations in terms of companies and/or associations, see www.AXMEDIS.org
   iv. "Document" means the information contained in any electronic file, which has been published by the Licensor’s as AXMEDIS official document and listed in the web site mentioned above or available by any other means.
   v. "Works" means any works created by the licensee, which reproduce a Document or any of its part.

2. LICENCE
   1. The Licensor grants a non-exclusive royalty free licence to reproduce and use the Documents subject to present terms and conditions (the Licence) for the parts that are own and proprietary property the of AXMEDIS consortium or its members.
   2. In consideration of the Licensor granting the Licence, licensee agrees to adhere to the following terms and conditions.

3. TERM AND TERMINATION
   1. Granted Licence shall commence on Acceptance Date.
   2. Granted Licence will terminate automatically if licensee fails to comply with any of the terms and conditions of this Licence.
   3. Termination of this Licence does not affect either party’s accrued rights and obligations as at the date of termination.
   4. Upon termination of this Licence for whatever reason, licensee shall cease to make any use of the accessed Copyright.
   5. All provisions of this Licence, which are necessary for the interpretation or enforcement of a party’s rights or obligations, shall survive termination of this Licence and shall continue in full force and effect.
   6. Notwithstanding License termination, confidentiality clauses related to any content, document or part of it as stated in the document itself will remain in force for a period of 5 years after license issue date or the period stated in the document whichever is the longer.

4. USE
   1. Licensee shall not breach or denigrate the integrity of the Copyright Notice and in particular shall not:
      i. remove this Copyright Notice on a Document or any of its reproduction in any form in which those may be achieved;
      ii. change or remove the title of a Document;
      iii. use all or any part of a Document as part of a specification or standard not emanating from the Licensor without the prior written consent of the Licensor; or
      iv. do or permit others to do any act or omission in relation to a Document which is contrary to the rights and obligations as stated in the present license and agreed with the Licensor

5. COPYRIGHT NOTICES
AXMEDIS PDA player User Manual

1. All Works shall bear a clear notice asserting the Licensor’s Copyright. The notice shall use the wording employed by the Licensor in its own copyright notice unless the Licensor otherwise instructs licensees.

6. WARRANTY

1. The Licensor warrants the licensee that the present licence is issued on the basis of full Copyright ownership or re-licensing agreements granting the Licensor full licensing and enforcement power.

2. For the avoidance of doubt the licensee should be aware that although the Copyright in the documents is given under warranty this warranty does not extend to the content of any document which may contain references or specifications or technologies that are covered by patents (also of third parties) or that refer to other standards. AXMEDIS is not responsible and does not guarantee that the information contained in the document is fully proprietary of AXMEDIS consortium and/or partners.

3. Licensee hereby undertakes to the Licensor that he will, without prejudice to any other right of action which the Licensor may have, at all times keep the Licensor fully and effectively indemnified against all and any liability (which liability shall include, without limitation, all losses, costs, claims, expenses, demands, actions, damages, legal and other professional fees and expenses on a full indemnity basis) which the Licensor may suffer or incur as a result of, or by reason of, any breach or non-fulfillment of any of his obligations in respect of this License.

7. INFRINGEMENT

1. Licensee undertakes to notify promptly the Licensor of any threatened or actual infringement of the Copyright which comes to licensee notice and shall, at the Licensor’s request and expense, do all such things as are reasonably necessary to defend and enforce the Licensor’s rights in the Copyright.

8. GOVERNING LAW AND JURISDICTION

1. This Licence shall be subject to, and construed and interpreted in accordance with Italian law.

2. The parties irrevocably submit to the exclusive jurisdiction of the Italian Courts.

Please note that:

- You can become affiliated with AXMEDIS. This will give you the access to a huge amount of knowledge, information and source code related to the AXMEDIS Framework. If you are interested please contact P. Nesi at nesi@dsi.unifi.it. Once affiliated with AXMEDIS you will have the possibility of using the AXMEDIS specification and technology for your business.

- You can contribute to the improvement of AXMEDIS documents and specification by sending the contribution to P. Nesi at nesi@dsi.unifi.it. You can attend AXMEDIS meetings that are open to public, for additional information see WWW.AXMEDIS.org or contact P. Nesi at nesi@dsi.unifi.it

COPYRIGHT

Copyright © 2008 by AXMEDIS

For information on this book, contact:

Prof. Paolo Nesi
Via S. Marta 3
50136 Firenze (Italy)
Tel: +39 055 4796523
Fax: +39 055 4796469
http://www.axmedis.com

To report errors, please send a note to mitolo@dsi.unifi.it
### Table of Content

**AXMEDIS COPYRIGHT NOTICE** ............................................................................................................................... 2

COPYRIGHT ........................................................................................................................................................................ 3

**INTRODUCTION** ......................................................................................................................................................... 5

**OVERVIEW** ................................................................................................................................................................. 5

**PDA PLAYER** ............................................................................................................................................................... 6

MAIN FUNCTIONALITIES ..................................................................................................................................................... 6

RELATIONSHIP WITH OTHER TOOLS .......................................................................................................................... 6

DETAILED DESCRIPTION OF THE FUNCTIONALITIES AND SCREENSHOTS ......................................................................... 6

**REFERENCES AND LINKS** ............................................................................................................................................... 11

AXMEDIS TUTORIALS .......................................................................................................................................................... 11

AXMEDIS TOOLS FOR FREE DOWNLOAD ...................................................................................................................... 11

AXMEDIS TECHNICAL NOTES ......................................................................................................................................... 12

AXMEDIS SOLUTIONS ........................................................................................................................................................ 12

AXMEDIS SHOWCASES ...................................................................................................................................................... 12

AXMEDIS FRAMEWORK SPECIFICATION ..................................................................................................................... 12

AXMEDIS FRAMEWORK DEMONSTRATORS, CASES, TRIALS, FOR DISTRIBUTION ETC. ................................................. 14

BROCHURES AND PRESS CUTTING (A PART) .................................................................................................................. 15

OTHER REFERENCES .......................................................................................................................................................... 15
INTRODUCTION

Dear AXMEDIS user,
Welcome to AXMEDIS PDA Player User Manual, the official training workbook for the program that has as main aim to play rich and interactive content on PDA Devices.

With this guide, the AXMEDIS team is hoping to help users to play easily AMEDIS objects to show how simple and powerful this tool is.

AXMEDIS is a very complex and complete world and it is very difficult to cover all the aspects in only one manual. Remember to not hesitate to contact the AXMEDIS team if you need additional information or to point out mistakes in this manual. Also don’t hesitate to visit the AXMEDIS portal where you can find many other information regarding the AXMEDIS technology, with many real examples and objects.

OVERVIEW

This deliverable aim is to describe the User Manuals of AXMEDIS PDA Player.
PDA PLAYER

MAIN FUNCTIONALITIES

The PDA Player is the tool with the aim to execute AXMEDIS resources in a Windows Mobile device. The player has capabilities to play different kind of resources such as SMIL, MPEG-4, HTML, etc.

The AXMEDIS PDA Player main functionalities allow to:

- view resources present inside the object
- view HTML, pages
- SMIL presentation
- view MPEG-4 presentation
- view SVG resources

RELATIONSHIP WITH OTHER TOOLS

None

DETAILED DESCRIPTION OF THE FUNCTIONALITIES AND SCREENSHOTS

The following picture shows the GUI interface of the AXMEDIS PDA player.

Two menus are available in the lower part of the screen: **File** and **Menu**.

By clicking the menu **File**, the following options are available:

- **Open**, to open an AXMEDIS objects or a resource
- **About**, to see information about the version of the player, etc.
- **Exit**, to close the player.

To open an existing object or a resource it is sufficient to select the menu **File/Open**, as showed in the following picture.
Then will be possible to select the resource to be opened by scrolling in the available menu, as showed in the following pictures.

The following are examples of resources played with the AXMEDIS PDA player different screen orientation and resources.
By clicking the menu **View** the following features are available:

- **CPU Usage**, to know the percentage of CPU use
- **Status Bar**, to show a status bar on the top of the screen showing additional information regarding the resource in execution
- **Reload**
- **Stop**
- **Play**
- **Aspect Ratio**
  - **Keep Original**
  - **Fill Screen**
  - **Ratio 4/3**
  - **Ratio 16/9**
- **Fullscreen**
AXMEDIS PDA player User Manual

The following screenshots show examples of different resources loaded in the AXMEDIS PDA player.

HTML pages navigation and zooming capabilities

MPEG-4 video player
Examples of interactive MPEG-4 resources
REFERENCES AND LINKS

AXMEDIS TUTORIALS

- General Tutorial and Overview (November 2007, Barcelona, Spain)
  - Video on [part 1](http://www.axmedis.org/documenti/view_documenti.php?doc_id=3716)
  - Video on [part 2](http://www.axmedis.org/documenti/view_documenti.php?doc_id=3717)
  - Video on [part 3](http://www.axmedis.org/documenti/view_documenti.php?doc_id=3767)
  - Video on [part 4](http://www.axmedis.org/documenti/view_documenti.php?doc_id=3715)
  - Video on [part 5](http://www.axmedis.org/documenti/view_documenti.php?doc_id=3722)
  - Video on [part 6](http://www.axmedis.org/documenti/view_documenti.php?doc_id=3840)

- Content Production Tutorial (AXMEDIS 2007 Conference)

- Content Distribution Tutorial (AXMEDIS 2006 Conference)

- Content Processing Tutorial (AXMEDIS 2006 Conference)

- Workflow Tutorial (AXMEDIS 2006 Conference)

- AXMEDIS general overview and content production tutorial, March 2008

AXMEDIS TOOLS FOR FREE DOWNLOAD


- AXMEDIS content production tools include:

Free Download of AXMEDIS Content Production Tools (editor and GRID AXCP tools, PnP, DRM editor, etc.), all what you need to create AXMEDIS objects and process any kind of content automatically: SMIL, HTML, MPEG-21, content adaption., fingerprint, crawling, indexing, cms, search, retrieval, control of P2P, etc. and much more. See documentation included

- AXMEDIS players for PC:

AXMEDIS PC player version 1.2 January 2008. Free download, AXMEDIS player, MPEG-21 player, cross media player, SMIL, HTML, MPEG-4, etc

- AXMEDIS multiskin player for PC:

AXMEDIS MultiSkin PC player version 1.2 January 2008. Free download, AXMEDIS player, MPEG-21 player, cross media player, SMIL, HTML, MPEG-4, with different skins available.

- AXMEDIS Active X Player for PC for Web Pages, AXMEDIS .Net Player, MPEG-21 player, SMIL, HTML, MPEG-4, cross media, more than 200 file formats:

- AXMEDIS player plus EUTELSAT OPENSKY client integrated

- AXEPTools: P2P client tool for establishing connection with the AXMEDIS P2P B2B network as Business User:

- AXMEDIA: P2P client tool for establishing connection with the AXMEDIS P2P B2B network as final users:

- AXMEDIS PDA player for Windows Mobiles 5 and 6:

It is capable to play AXMEDIS objects based on SMIL, HTML, video, audio, MPEG-4 files, etc. AXMEDIS PDA player for AXMEDIS MPEG-21 content including resources with presentations layer based on MPEG-4, HTML and SMIL Unzip the file, copy the CAB file and execute it on the PDA

- Collection of Objects for AXMEDIS player for PDA (Jan 2008):
AXMEDIS TECHNICAL NOTES

- AXMEDIS Content Model and Tools, Authoring Tools, Players for MPEG-21, PC, PDA, Mobile, STB, PVR, HDR, etc. (in English)
- AXMEDIS Content Model and Tools, Authoring Tools, Players for MPEG-21, PC, PDA, Mobile, STB, PVR, HDR, etc. (in Italian)
- AXMEDIS Content Processing GRID all features listed (in English)
- AXMEDIS Content Processing GRID Tutte le caratteristiche descritte (in Italian)
- AXMEDIS P2P Controlled network all features listed with cases (in English)
- AXMEDIS P2P Controlled network tutte le caratteristiche, con alcune casistiche (in Italian)
- AXMEDIS DRM, MPEG-21 DRM, Interoperable DRM (in English)
- AXMEDIS DRM, MPEG-21 DRM, DRM interoperabile (in Italian)
- Technical note on how to integrate the AXMEDIS DRM into an e-commerce portal and content distribution solution for content on demand and subscription
- Come integrare AXMEDIS DRM in un portale per la distribuzione di contenuti digitali (in Italian)
- AXMEDIS Show Case, AXMEDIS Mpeg-21 Content distribution via satellite dta broadcast, EUTELSAT OPENSKY
- Technical note on the ELION AXMEDIS content on demand trial and solution, how to exploit AXMEDIS framework to create an cross media content distribution with DRM and automated production, and connection with P2P
- Technical note on the TEO IPTV AXMEDIS trial and solution, how to exploit AXMEDIS framework to create an IPTV with DRM and automated production, and connection with P2P.

AXMEDIS SOLUTIONS


AXMEDIS SHOWCASES

- Content Distribution to Licensed Domains via DVB-T and P2P (BBC)
- Protected Video on Demand Distribution via P2P toward PC (Tiscali)
- Protected Video on Demand (VOD) Distribution to PC (ELION)
- Content Distribution via Satellite Data Broadcast (DVB-S) to PC and STB (EUTELSAT)
- Content Distribution to Kiosks (ILABS)
- Video on Demand (VOD) Distribution to Set Top Box (TEO)
- Content Posting Tool, for Final User content production/publication/DRM (SIAE)
- Variazioni: Enrichment of Cultural Content
- AXMEDIS Content and Tools: Automatic Production
- AXMEDIS Controlled P2P Network

AXMEDIS FRAMEWORK SPECIFICATION

AXMEDIS PDA player User Manual


**AXMEDIS reports on basic enabling technologies**

AXMEDIS PDA player User Manual


**Basic knowledge reports**


**Content Modeling and Test Cases**


**AXMEDIS FRAMEWORK DEMONSTRATORS, CASES, TRIALS, FOR DISTRIBUTION ETC.**

- requirements and use cases of the 4HOME take up, demonstrators of BBC, TI, SDAE, including domains, AXMEDIS for broadcasting, and OMA integration and distribution [http://www.AXMEDIS.org/documenti/view_documenti.php?doc_id=2976](http://www.AXMEDIS.org/documenti/view_documenti.php?doc_id=2976)
- Content Posting Portal, Content Posting for Final User publication, SIAE Trial presentation:
AXMEDIS PDA player User Manual


**BROCHURES AND PRESS CUTTING (A PART)**


**OTHER REFERENCES**

- Open Mobile Alliance (OMA), [http://www.openmobilealliance.com/](http://www.openmobilealliance.com/)