

MatchWare MindView 9.0 for Mac Technical Specification

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MatchWare Inc.
511 West Bay Street
Suite 480
Tampa, FL 33606
United States

T: +1-813-254-6644
usa@matchware.com

MatchWare Ltd
3-5 Red Lion Street
Richmond, TW9 1RJ, UK
United Kingdom

T: +44 (0)20 8940 9700
london@matchware.com

MatchWare France
38 rue Servan
75544 Paris Cedex 11
France

T: +33 (0)810 000 172
vente@matchware.com

MatchWare GmbH
Anckelmannsplatz 1
20537 Hamburg
Deutschland

T: +49 (0) 40 543764
hamburg@matchware.com

MatchWare A/S
Thomas Koppels Gade 30
DK-8000, Aarhus C
Denmark

T: +45 86 20 88 20
aarhus@matchware.com

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Deutschland
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Denmark
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aarhus@matchware.com

Overview

This document provides a thorough description of the technical details of MatchWare MindView 9 for Mac.

System Requirements

CPU architecture: x86 64-bit and ARM64

macOS X (10.15+) and higher

macOS 11 (ARM architecture)

460 MB disk space

Supported Languages

English, Danish, French

Application Identifier in macOS

The Bundle ID is "CFBundleIdentifier = com.matchware.MindView9"

Supported Document Types

Registered CFBundleDocumentTypes:

mvd	Native MatchWare MindView format for Windows and Mac	Opens directly
mvt	MatchWare MindView Template format	Opens and resaved to MVDX format
mvd	MatchWare MindView format for Mac version 7 and below	Opens and resaved to MVDX format
styles	MatchWare MindView style document	Opens in a style editor mode
omd	MatchWare OpenMind 2 for Mac	Opens and resaved to MVDX format
omp	MatchWare OpenMind 2 for Windows	Opens and resaved to MVDX format
docx	Microsoft Word	Opens through internal importer
pptx	Microsoft PowerPoint	Opens through internal importer
xml	MindView XML	Opens through internal importer
xml	Microsoft Project XML	Opens through internal importer
mm	FreeMind	Opens through internal importer
mmap	Mindjet MindManager	Opens through internal importer
opml	Outline Processor	Opens through internal importer

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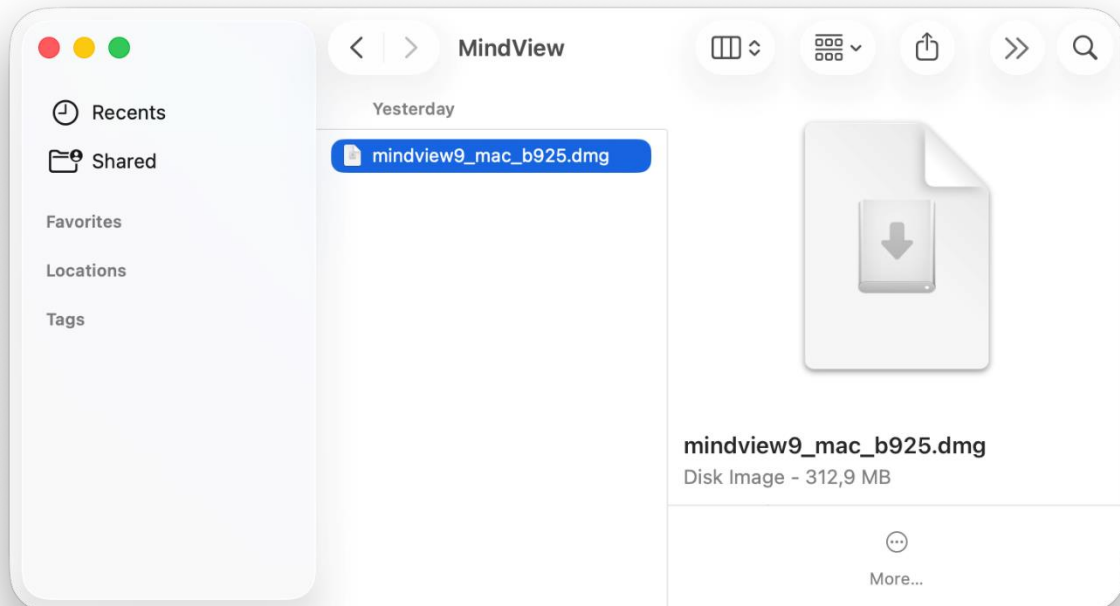
Installation

The MatchWare MindView 9 installation uses the standard Apple® Installer technology. Like all Apple® software, the MindView installation requires Administrator privileges.

Stand-alone installation

MindView comes as an installation image (*.dmg file) that you download to your computer. The DMG format is protected from errors during download and checked by the system when the image is mounted.

Double-click the installation image. Double-click the installation package.



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United Kingdom

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london@matchware.com

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38 rue Servan
75544 Paris Cedex 11
France

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vente@matchware.com

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Anckelmannsplatz 1
20537 Hamburg
Deutschland

T: +49 (0) 40 543764
hamburg@matchware.com

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Follow the instructions on the screen when the MindView Install program starts.

The Apple® Installer performs an administrative installation of an application.

Installation location

The application bundle is named "MindView 9.app" and is located, like all other applications, directly in the Applications folder.

Path: /Applications/MindView 9.app

Manual distribution to other computers

To distribute the application to other computers on the network without installing it on each computer, the administrator can use copying.

After the installation and activation of MindView 9 on the first computer, the application from the path */Applications/MindView 9.app* should be copied to the same path on the target computer.

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United Kingdom

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The file `/Users/Shared/.mwmv8sni` should also be copied to path `/Users/Shared/.mwmv8sni` on the target computer.

For silent activation a `/Users/Shared/.mw8iactf` file should be created, for example using the command `"touch /Users/Shared/.mw8iactf"`.

The target Macs will not ask for a license number but will be activated individually (in silent mode). They must have access to the Internet.

Specific installation settings

Starting with version 9.0.6 (926), subtle hidden settings were introduced.

If you need to limit the functionality of the application for the user, you can use hidden settings using the Terminal.

Key	Low Level Command	Description
ACTIV	<code>touch /Users/Shared/.mw8iactf</code>	Force activation
NOAI	<code>defaults write "com.matchware.MindView9" "ai_disabled" -bool YES</code>	Disable an application's ability to interact with OpenAI
NOUPDATE	<code>defaults write "com.matchware.MindView9" "resource_updates_disabled" -bool YES</code>	Disable the ability to partially update resources online
NOUPCH	<code>defaults write com.matchware.MindView9 OMCheckForUpdateOnStart -bool NO</code>	Disable update check at startup
NOSUGG	<code>defaults write com.matchware.MindView9 suggestions_disabled -bool YES</code>	Disable text suggestions actual for AT version
NOUPAI	<code>defaults write com.matchware.MindView9 no_upload_ai -bool NO</code>	Disable AI usage data upload
AIOWNKEY	<code>defaults write com.matchware.MindView9 ai_own_key -bool NO</code>	Use own AI key*

* Your own AI key should be added to the settings.

`defaults write com.matchware.MindView9 OpenAIKey -string <your api key>`

The second way to manage these parameters is by using the keys as a suffix in an installer image name.

`mindview9_at_mac_b000_ACTIV_NOAI_NOUPDATE_NOUPCH_NOSUGG_NOUPAI_AIOWNKEY.dmg`

Application license kinds switches – these switches define the initial state of the running application; in any case, the features and settings will be applied in the runtime application according to the purchased license.

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GAR version

defaults write "com.matchware.MindView9" "OpenVleID" -string <CUSTOMERID>
 defaults write "com.matchware.MindView9" "StartupGARVersion" -bool YES

Assistive Technology version

defaults write "com.matchware.MindView9" "StartupATVersion" -bool YES

Standard version

defaults write "com.matchware.MindView9" "StartupWithSerialNumber" -bool YES

The user cannot change these settings using the settings panel. To return the state of these settings, you need to call with the opposite value. (NO instead YES)

All these parameters are already preset in different types of installers for each license type.

Standard version

mindview9_mac_b<build>.dmg
mindview9_lic_mac_b<build>.dmg

Assistive Technology version

mindview9_at_mac_b<build>.dmg
mindview9_at_lic_mac_b<build>.dmg

GAR version

mindview9_gar.<VLE key>_mac_b<build>.dmg
 Special "VLE key" to be used for special login screens

Paths Used by the Application

User's documents

"~/Documents/MindView QuickStart" – for unpacking and using Quick Start documents.

"~/Documents/MindView Templates" – default path for the customer's templates

"~/Documents/MindView Styles" – default path for the customer's styles

"~/Documents/MindView AudioNotes" – path for recorded Audio Notes

Application protection

The paths below must be accessible for all users on the current Mac:

"/Users/Shared/.mwmv8sn" – result data after activation

MatchWare Inc.
 511 West Bay Street
 Suite 480
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 usa@matchware.com

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 Richmond, TW9 1RJ, UK
 United Kingdom
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 20537 Hamburg
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"/Users/Shared/.mwmv8sni" – license number storage

"/Users/Shared/.mw8iactf" – the marker for silent activation, the file just needs to be present (empty or with any contents).

A set of alternative paths in case the shared folder is not accessible:

"~/Library/Application Support/.mwmv8sn"

"~/Library/Application Support/.mwmv8sni"

System paths

"~/Library/Caches/com.matchware.MindView9" – system caches for the application e.g., network framework

"~/Library/Saved Application State/com.matchware.MindView9.savedState" – These saved state resources are used by macOS to support "resuming" the application.

"~/Library/Preferences/com.matchware.MindView9.plist" – all the application settings

"~/Library/Application Support/MatchWare/MindView 9" – contains the folders with customized resources, like "Picture Library".

"~/Library/Application Support/com.matchware.MindView9/WebViews" – actual resources for rendering web-based document canvas.

"~/Library/Application Support/com.matchware.MindView9/HTMLTemplates" – contains the folders with cached HTML export resources.

"~/Library/Application Support/com.matchware.MindView9/branch_icons" – contains the folders with customized "Icons Storage".

"~/Library/Autosave Information/ Unsaved MindView 9 Document*.*" – This path contains the documents created by the user from scratch but not saved explicitly by the user. The documents are saved automatically with the generic name "*Unsaved MindView 9 Document*.**". If the application exits unexpectedly or with a forced quit, the unsaved documents can be found on that path.

Spotlight (Search)

Spotlight is a desktop search platform that has instant search capabilities for the most common file types within macOS. MindView provides a standard search extension that allows customers to search for content within MindView documents during desktop search.

"/Applications/MindView 9.app/Contents/Library/Spotlight/mindviewlookup.mdimporter"

Supported formats: MVDX, MVD, OMP, OMD

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Denmark

T: +45 86 20 88 20
aarhus@matchware.com

MIME TYPES:

com.matchware.mindviewx
com.matchware.mindview
com.matchware.openmind

Quick Look (Preview)

Quick Look is a desktop preview platform. MindView provides a standard preview extension that allows customers to view content within MindView documents (.mvdX) without running the application.

"/Applications/MindView 9.app/Contents/Library/QuickLook/qlmvdX.qlgenerator"

Supported formats: MVDX, MVTX, MVD, OMP, OMD

MIME TYPES:

com.matchware.mindviewx
com.matchware.mindview
com.matchware.mindviewtemplate
com.matchware.openmind

MIME-type

application/matchware.mindview.document .mvdX .mvtx .omp .omt .mvd .omd

Asynchronous Pluggable Protocol: MindViewOpen

MatchWare Activation System

Mandatory activation is required when using MindView. When activating the Product certain information about the Product and the device will be sent to MatchWare. This information includes version, build number, language, product ID, and computer ID, which is generated from the hardware configuration. By using the Product, you consent to the transmission of this information. The activation can either be done by logging or by entering a license key.

MindView Drive

MatchWare MindView communicates with the MindView Drive using the Hypertext Transfer Protocol Secure (HTTPS) using the standard port 443.

The MindView 9 MindView Drive is located here: <https://www.sharedworkspace.com>

More information about MindView Drive can be found here:

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Deutschland

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DK-8000, Aarhus C
Denmark

T: +45 86 20 88 20
aarhus@matchware.com

https://link.matchware.com/mvdrive_technical_spec

MindView Online Update

MatchWare MindView communicates with the MindView Online Update using the Hypertext Transfer Protocol Secure (HTTPS) using the standard port 443.

The MindView 9 MindView Online Update is located here: <https://cdn.matchware.com/mindview9>

MindView AI

The incorporated AI functionality in MindView utilizes the Microsoft Azure AI Foundry engine.

The MatchWare MindView AI system is loaded from <https://cdn.matchware.com> and the service communicates with the AI using the standard port 443 to the following URL: <https://ai.mindview.app>. Only authenticated users will be able to use the service and MatchWare reserves the right to limit the service for users making over extensive use of the AI service. Please refer to the MindView AI Technical Specification for further information: https://link.matchware.com/mindview_ai_technical_spec.

MindView Assist

MindView Assist is a Research and Task app available for iOS from the Apple Store (<https://apps.apple.com/app/id1627489152>) and for Android from the Play Store (<https://play.google.com/store/apps/details?id=com.matchware.mindview.resapp>).

The app can be used to gather research information which can then be used directly within MindView. MindView Assist also manages task information which can be synchronized with tasks within MindView.

MatchWare MindView communicates with the MindView Assist API using the Hypertext Transfer Protocol Secure (HTTPS) via the standard port 443 to the following URL: <https://api.mindview.app>.

MindView Task System

MatchWare MindView communicates with the MindView Task System using the Hypertext Transfer Protocol Secure (HTTPS) using the standard port 443.

The MindView 9 MindView Task System is located here: <https://cdn.matchware.com/mindview9>

It also communicates with the server at: <https://api.mindview.app>

MindView Update Checker

MindView, by default, checks for program updates on startup. MindView will notify the user within the application if an update is available.

It is possible to disable the program updates within the menu MindView 9 -> Settings...

The option "Update: Check for updates on start" should be off.

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Also, the user can check for program updates manually from the menu MindView 9 ->Check for Updates...

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