



# ArtistScope Portable Media Packager

Create protected media archives for offline viewing.

## About ArtistScope Portable Media (APM)

ArtistScope Portable Media (APM) archives are viewed in a web browser via APM software. Non-DRM archives may be password/expiry protected but they can be viewed in the default web browser. However DRM protected archives can only be viewed in the ArtistScope web browser, the only browser suitable for DRM identification and copy protection.

Regardless of DRM status, all ArtistScope Portable Media archives can be viewed while offline (not requiring Internet). If DRM has been applied the author of the media will have provided an *Access Token* (corresponding certificate file).

### Non-DRM Media Archives

Media archives not protected by DRM do not require *Access Tokens* and can be viewed in your default web browser. However they may be password protected or otherwise limited by expiry date.

### DRM and Access Tokens

If DRM is applied to a media archive then an *Access Token* will be required before the Reader can open it. Tokens are provided by the media author and assigned per individual user (cannot be shared). Before an author can provide an *Access Token* your Computer ID must be known, requiring users to log into a APM portal while using the ArtistScope web browser. Then their computer can be identified and a token collected for media assigned to them.

### APM Token Management

APM Token Management can be managed from an online portal provided by ArtistScope. ArtistScope maintain 2 APM services, one for demonstration purposes and the other for APM authors. Both sites use encrypted databases and SSL. As many authors publish both PDF and video for online courses, the APM Token Management service for authors is integrated with the same portal that ArtistScope provide for CopySafe PDF licensee/authors.

### ArtistScope Web Browser

The ArtistScope web browser is the only modern browser that is properly designed for DRM identification and copy protection of web-style media. As of October 2016 the APM Reader is installed with the ArtistScope browser.

### Licensing

The ArtistScope Portable Media (APM) Reader is free to use by everyone and can be distributed on disk with media archives providing that its installer remains intact. To enable the Packager to assign DRM to a media archive, an Author license file is required. Author accounts can be purchased online per monthly assignment to receive an Author license file which needs to be copied to the protector software folder which is usually found at  
C:\Program Files (x86)\ArtistScope Portable Media Packager\

# APM Packager

ArtistScope Portable Media (APM) enables the distribution of most types of media by email, download or CD/USB for offline desktop viewing. Media can be viewing in the user's default web browser and protected by password and/or expiration, or viewed in the ArtistScope web browser with DRM.

The APM Packager will encrypt and wrap your media to produce a secure archive that can be viewed on any Windows computer whether online or offline. All content is protected from extraction and you have further options of deploying DRM to prevent sharing.



APM software is free to use. There is no limitation to distributing media protected by password and/or expiration that can be viewed in the user's default web browser. It is only when applying DRM via *Access Tokens* that a subscription is required to use of the online portal needed to manage your media and token inventory.

Media can be distributed either with or without DRM. To use without DRM simply select the *Password Protected* option, leaving the password blank if none is required. Expiration can be set by calendar date but because this is an offline solution expiration is dependent on the time provided by the user's computer.



*Token Protection* applies DRM to the media protecting it from unauthorized distribution and sharing. Media protected by *Access Tokens* can only be viewed while using the ArtistScope web browser. Tokens can be issued to each subscriber enabling access to the media from their computer only. To collect tokens the user needs to be online to visit the APM token portal while using the ArtistScope browser. Once they have a token for their media they no longer need to be online to explore and view the APM media archive.

# APM Token Management

Authors can subscribe for APM management on a monthly basis, by paying an initial one-time setup fee plus a number of months rental in advance. Cancellation or expiry of an author account does not affect the life of Access Tokens already distributed for offline use.

Once an author account has been set up, the author can then log into their account and download an Author license file, which is an encrypted key that enables the creation of *Token Protected* media archives and provides the Author ID to prefix each media file name.

All *Token Protected* media is prefixed by the Author's ID so that media and tokens cannot be cross matched with another author's media. The true media file name is embedded inside the encrypted media archive so that the media file can be renamed after creation. However it is the original embedded name that is required when registering the media in the author's database. For that purpose a special TEXT file is also created that authors can upload to their APM portal. As media archives containing video can be 100-200 Mb and more the actual download of the media archive to subscribers must be provided from the author's web site or download service.

 100355_test_archive.apmf	9/28/2016 3:50 PM	ASPSmedia	19,194 KB
 100355_test_archive.txt	9/28/2016 3:50 PM	Text Docum...	1 KB

Once media archives are registered in an author's database, then tokens can be assigned to new or existing subscribers. Subscribers can collect a token for the current computer being used by logging in while using the ArtistScope web browser.

When assigning tokens, the author has the option of sending email from the APM server with login and download instructions. When a user logs in they will see a list of all media assigned to them by both Group permission and Token permission. From that list they can generate a token for the media.

## Subscription Limitations

Authors have full control over their subscriber accounts in relation to which Group they are assigned and which media is assigned to those Groups. They can also apply expiry to a subscriber account and the media. But once a token is downloaded by a subscriber, unless expiration has been applied to the token, access to the media archive for that subscriber using that computer will never expire.

How many different computers can be assigned to each subscriber account is controlled by the author, who can also control over whether computers can be changed without their permission/intervention.

Authors and subscribers can create/retrieve newly updated Access Tokens at any time.

## Tutorial Videos

The links for tutorials on video can be found online from the APM Reader page at [https://www.artistscope.com/artistscope\\_portable\\_media.asp](https://www.artistscope.com/artistscope_portable_media.asp)

# APM Reader

The [APM Reader](#) is a free download to the public and can be distributed with your media archives. If a media archive is packaged for *Token Protection* then the ArtistScope web browser will be required. Without *Token Protection* the archive can be viewed in the user's default web browser. An *Access Token* needs to be saved to the same folder that stores the media archive for the Reader to find it.

## ArtistScope Web Browser

The ArtistScope web browser provides inbuilt protection for any content that it displays while indentifying the computer to ensure that the user does indeed have the right to open media before its content is disclosed. The [ArtistScope web browser](#) is a free download to the public.

As of October 2016 the APM Reader is included in the installation of the ArtistScope web browser.

## Copy Protection

Both [CopySafe PDF](#) and [CopySafe Web](#) can be used on ArtistScope Portable Media. To use CopySafe Web an existing license will already include provision for use at "localhost". CopySafe PDF licensees need a domain license for "localhost".

# Preparing Media Content

Any media that can be displayed on a web page can be viewed using a web browser and in the case of *Token Protection* the ArtistScope web browser can provide print and save protection. For "copy protection" of media while it is open and on display you can use either CopySafe Web or CopySafe PDF.

The first and most important part of your media archive is the index page which must be named "index.html" from which you can link other HTML pages or directly link to media files such as documents and video. However you must realize that any media directly linked (not displayed from a web page) will open in the user's default application for viewing those file types and will escape the realm where they can be protected. For example, directly linking to a PDF document will allow that document to be opened in Adobe Reader where it cannot be protected. The same applies to directly linked video because it will be opened in the user's default video player (usually Windows Media Player) where it cannot be protected.

Any media that requires protection while being viewed needs to be displayed on a web page. Then if copy protection is required while openly displayed, you can use either [CopySafe PDF](#) or [CopySafe Web](#).

- **FLASH** video can be displayed via an embedded player like FlowPlayer\*.
- **All media** can be copy protected by using [CopySafe Web](#).
- **PDF** is best displayed via [CopySafe PDF](#) if it is to be copy protected.
- **VIDEO** is best displayed by using MP4 (H.24) video and via FlowPlayer\*.
- **WORD** and **XLS** - Microsoft Office documents cannot be displayed on web pages. But they can be converted to images or PDF.

\* [FlowPlayer](#) commercial licenses include an extra license for "localhost" that can be used with ArtistScope Portable Media. CopySafe Web licenses also include an extra license for "localhost". However CopySafe PDF licensees need to purchase a domain license for "localhost" to remove the watermark.

The programming languages at your disposal are HTML and JavaScript. PHP and ASP are not supported here because they can be used to exploit a user's computer. Your start page needs to be named INDEX.HTML and all other pages can be named as .htm or .html using letters, numbers, hyphens and underscores only. All other characters such as %\$#@!(\*) are illegal and no spaces should be included as they will only cause errors.

Remember that your HTML pages will be viewed offline so any JavaScript and other media resources need to be included for local viewing. For example, links to JQuery resources online will cause errors.

## Media Templates

Templates are provided by ArtistScope for all types of media. These templates are available to authors using the APM Token management service and can be retrieved from their Control Panel after logging in.