

Before Getting Started...

V12 Tutorial: Fixed Formatting

Forced "U.S.-centric" settings

Ini (text) files are used; mixing formats can cause problems.

- Time separator `:` colon (also used as RA/Dec separator)
RA: 12:45:22.6 Dec: +05:32:57.9 UT: 04:52:30 (leading zeros/24-hour)
- Date separator `-` dash Date order yyyy-mm-dd
May 12, 2023: 2023-05-12 (leading zeros)
- Decimal point `.` period
Value = -0.45587 (leading zero for $|x| < 1.0$, no thousands grouping)
- Millimeters for focal lengths; meters for apertures (30 cm = 0.30 m)

MPO v12 Tutorial

Installing Version 12

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V12 Tutorial: Installing Version 12

Where to Get the Installer

- Download to browser's default downloads directory.
- Extract files to that same or other directory.
 - **Must not be the same directory as the "Temporary D/L Dir" path.**
- Run the MPOV12Installer from that directory.

<https://bdwpublishing.com/Installer/MPOV12Installer.zip>



V12 Tutorial: Installing Version 12

Before You Start

- **Version 12 is for 64-bit Windows only**
- **Do not run installer from or install V12 into**
 - c:\Programs Files
 - c:\Program Files (x86)**to avoid "Run as Administrator" flag**
- **Must have read/write privileges in the directory where V12 is installed**
- **V12 is "donationware." Release codes or payment is not required. Donations will be gladly accepted on the Bdw web site.**



V12 Tutorial: Installing Version 12

Before You Start

- **Internet connection required.**
- **All or just some elements can be chosen**
- **Downloads are ZIP files to temp directory. Most extracted directly to final destination.**
- **ATLAS and UCAC4 catalogs are multiple ZIP files, not a DVD image.**
- **Close any MPO v10/12 programs and any other heavy CPU-time programs.**
- **Anti-virus programs may object to or slow down installation**



V12 Tutorial: Installing Version 12

Before You Start

- Use the button next to each field to select an existing or create a new directory.
- If v10 is not installed, leave that entry field blank.
- The *Temporary* download directory is a “layover” on a direct, but not non-stop, trip to the final destination.
- The checkboxes affect only the MPO Canopus Launcher.

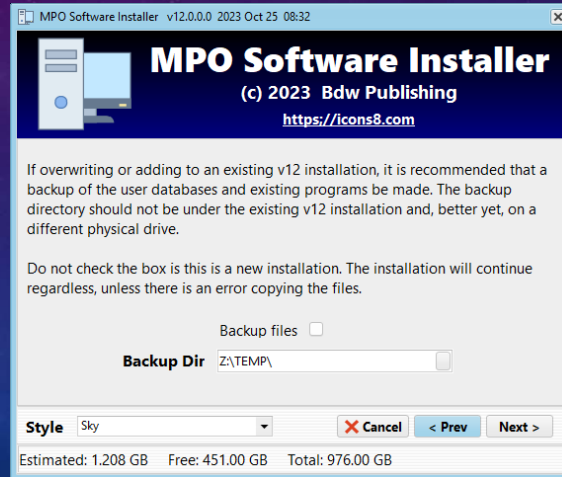


Backup Existing V12

V12 Tutorial: Installing Version 12

Backup Existing v12 Installation

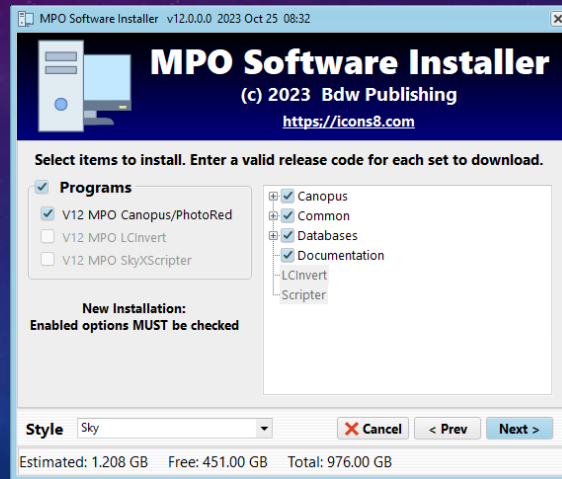
- Use button to display directory selector
- Use different hard drive, if possible
- What's Included
 - *"Mighty Five" user data (*.sdb) photometry, aavso, doublestars*
 - *RootDirs.ini*
 - *\MPOv12\Common*
 - *\MPOv12\Programs*
(*Canopus, LCInvert, SkyXScripter*)



Selecting Programs & Data

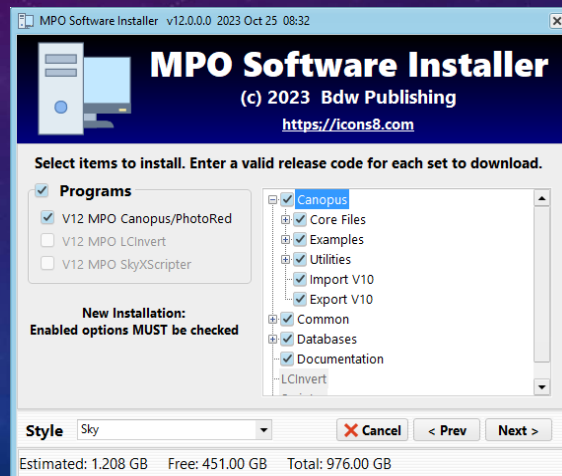
V12 Tutorial: Installing Version 12 Installation Components

- Check the box on Programs group box border to install one or more items in the group
- Uncheck the box if installing only star catalogs.
- Check the V12 MPO Canopus/PhotoRed box to install one or more program and/or database items.



V12 Tutorial: Installing Version 12 Installation Components

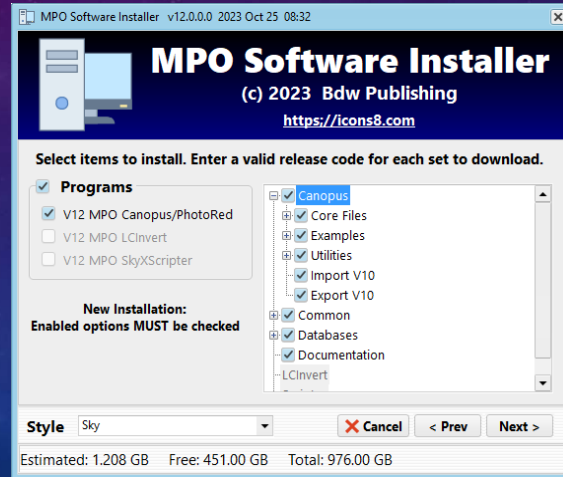
- MP4 demonstrating tree functions.



V12 Tutorial: Installing Version 12

Installation Components

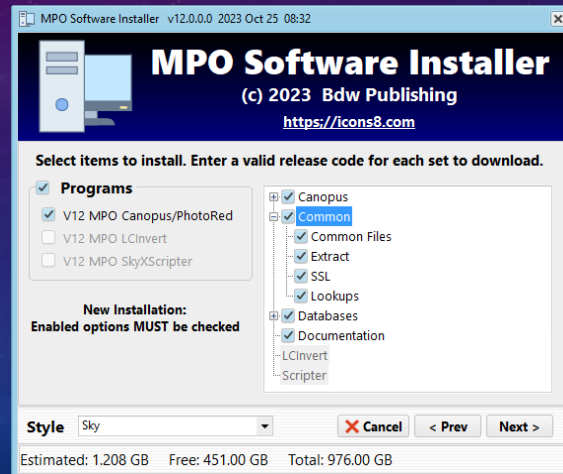
- **Canopus**
 - **Core Files**
Main programs
 - **Examples**
Tutorial images and data
 - **Utilities**
Additional tools
 - **Import V10**
Import v10 exported files
 - **Export V10**
Export v10 data for v12



V12 Tutorial: Installing Version 12

Installation Components

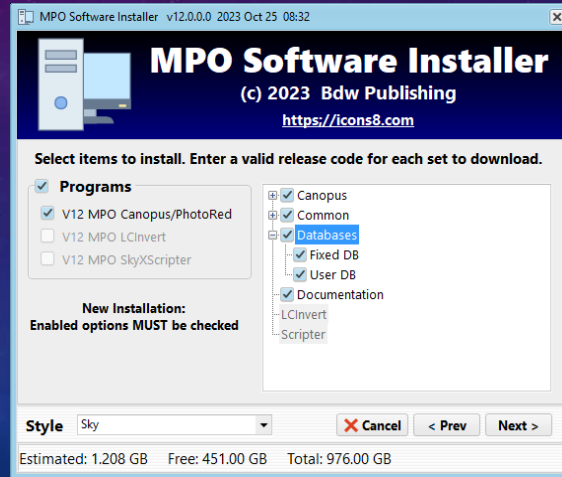
- **Common**
 - **Common Files**
Required common data
 - **Extract**
Image star extraction
 - **SSL**
Secure FTP connection DLLs
 - **Lookups**
Tables to standardize data,
e.g., filters and color indexes



V12 Tutorial: Installing Version 12

Installation Components

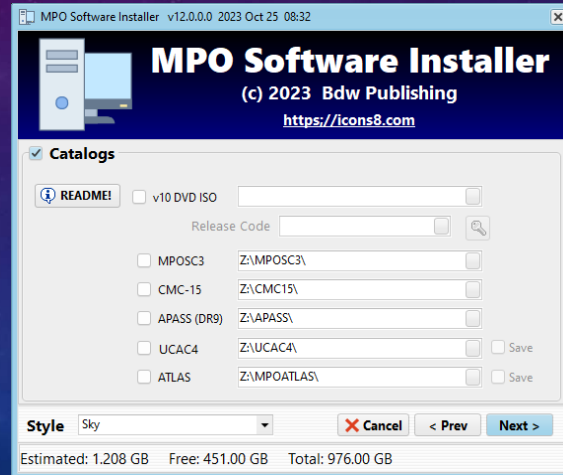
- **Databases**
 - **Fixed DB**
Deepsky, Variables, Doubles
 - **User DB**
v12 "Mighty Five", profiles, PhotoRed transforms
- **Documentation**
V10 PDF, ALCDEF Standard, etc.



Selecting Star Catalogs

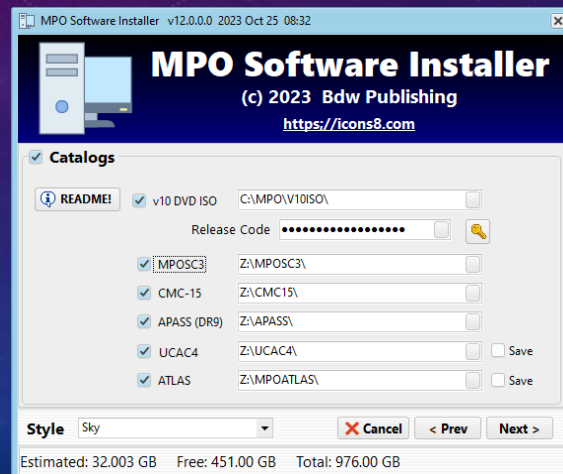
V12 Tutorial: Installing Version 12 Star Catalogs

- Click the **README** button for important information.
- The catalogs did not change from v10. If you have or download the v10 DVD ISO image or the catalogs you want are already on the computer, you can skip this tab.



V12 Tutorial: Installing Version 12 Star Catalogs

- Check box for each catalog to install.
- Use the button next to a path field to select and/or create a directory for the final destination of the catalog.
- A v10 release code is required to download the v10 DVD ISO. Lost? Send email to brian@bdwpublishing.com
- Use the "key" button to verify the release code.



V12 Tutorial: Installing Version 12 Star Catalogs

- **ATLAS and UCAC4 catalogs have a large number of ZIP files.**
- **The ZIPs are processed one at a time.**
- **Check the Save box to save the ZIP files to a subdirectory of the catalog directory.**
- **If Save is not checked, a ZIP file is deleted immediately after being processed.**

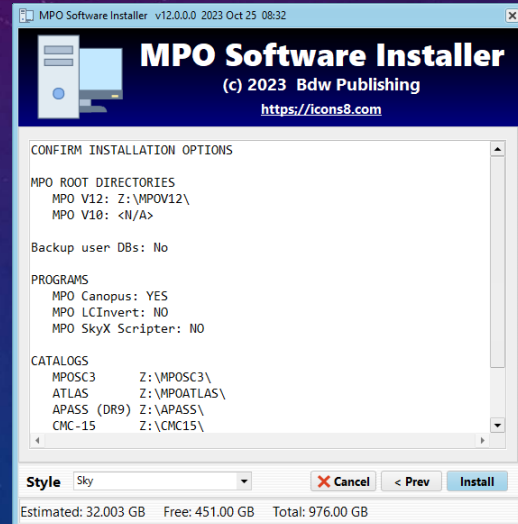


Confirming Selections

V12 Tutorial: Installing Version 12

Confirmation

- Review choices before starting installation
- Now is the time to make changes
- Use <Prev> button to go back
- Click <Install> to start and then <Yes> on second confirmation form
- Leave program alone until it's finished!



V12 Tutorial: Installing Version 12

Done!

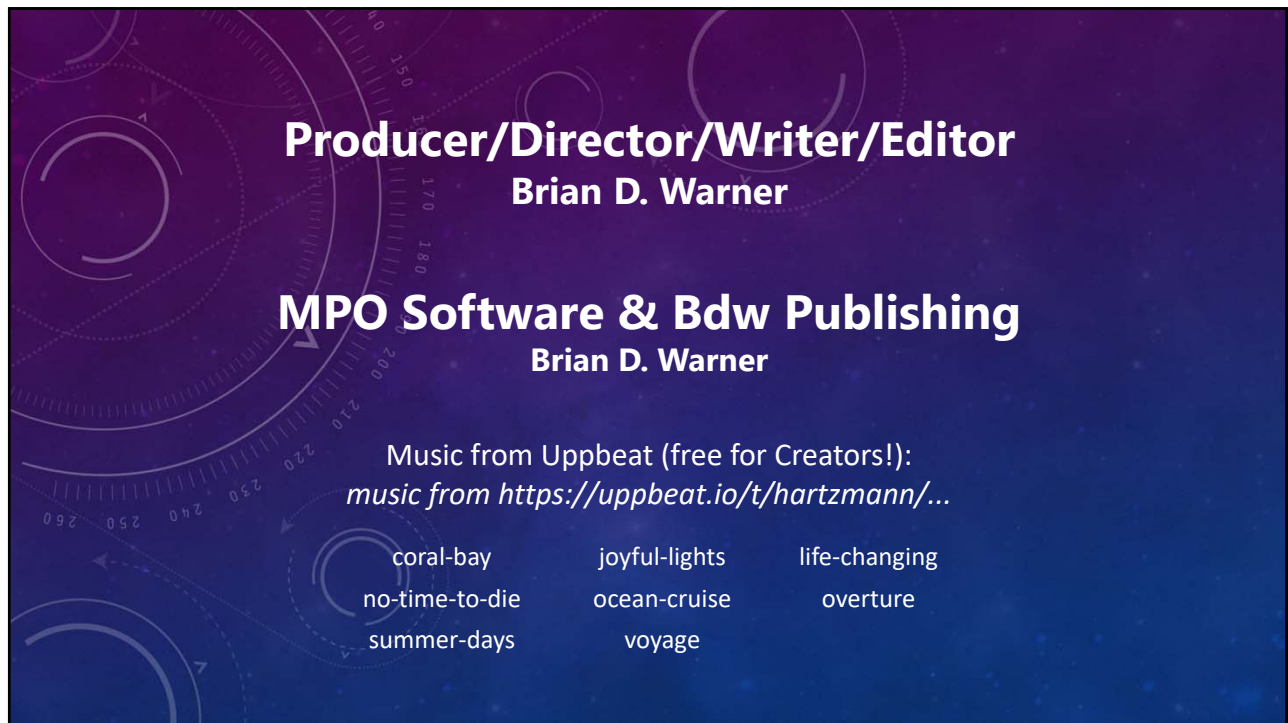
- Click the <Finish> button to close the installer.
- The MPCORB file is empty.
- Check the box to run the MPCORB utility after the installation program closes.
- Click on an underlined label to open the browser to the label's URL.





YouTube Channel
<https://youtube.com/@8734Warner>

Technical Support
<https://groups.io/g/MPOSoftware>

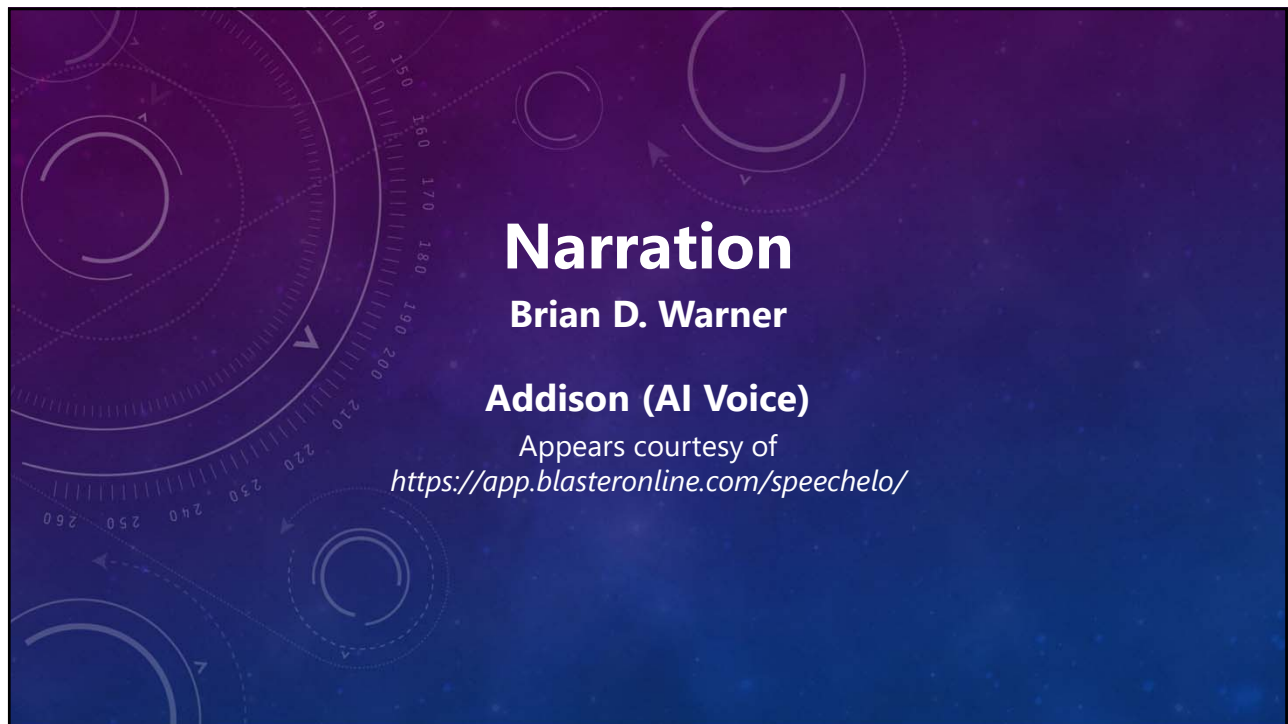


Producer/Director/Writer/Editor
Brian D. Warner

MPO Software & Bdw Publishing
Brian D. Warner

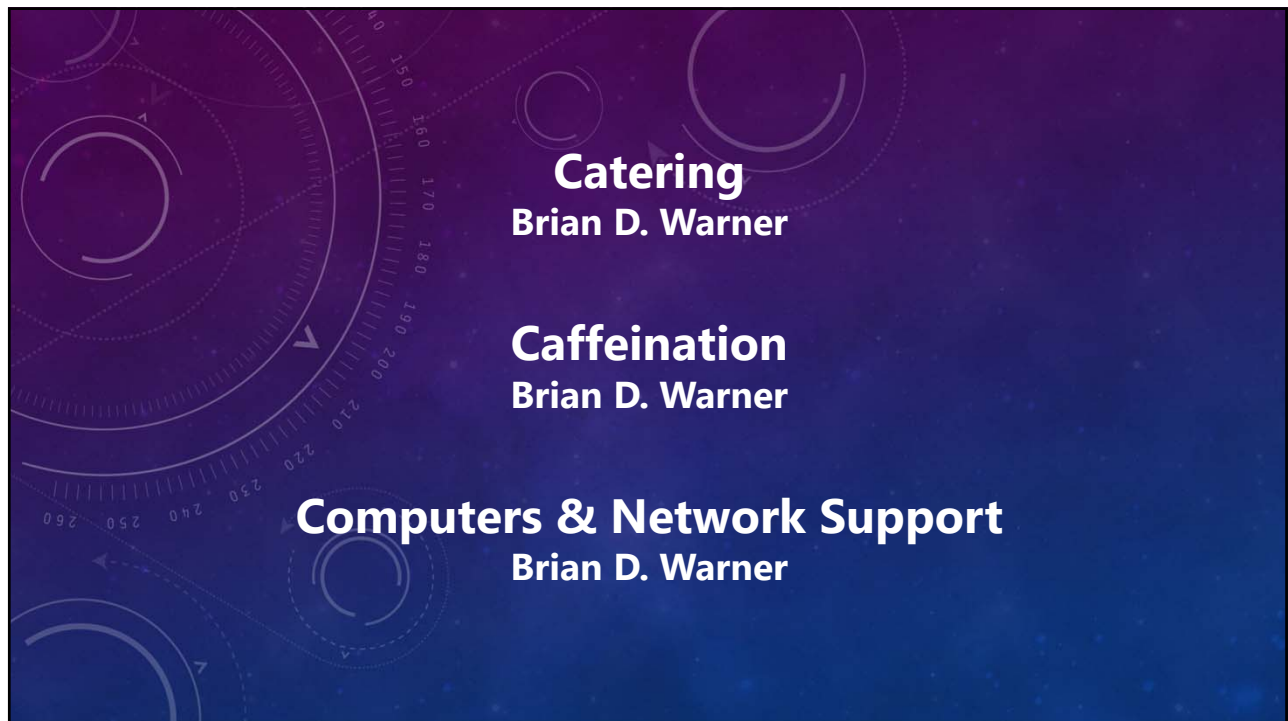
Music from Uppbeat (free for Creators!):
music from [https://uppbeat.io/t/hartzmann/...](https://uppbeat.io/t/hartzmann/)

coral-bay	joyful-lights	life-changing
no-time-to-die	ocean-cruise	overture
summer-days	voyage	



Narration
Brian D. Warner


Addison (AI Voice)
Appears courtesy of
<https://app.blasteronline.com/speechelo/>



Catering
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Caffeination
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Computers & Network Support
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No humans were harmed during the making of this production

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