

ASCOM Platform Upgrade, Device Hub Install, and All Sky Plate Solver Guide

Purpose of Document

- The purpose of this document is to guide individuals who already have ASCOM on their laptop through upgrading to the latest ASCOM driver

Pre-Installation Check

- Verify which version of the ASCOM Platform is currently installed:
 - Press the Windows key and begin typing “programs”
 - When it appears, click on “Add or remove program”
 - In the search bar on the right-hand side type “ascom platform”, then click to expand it to see which version is in use
 - Latest ASCOM Platform is 6.5.1.3234. If this is the version you currently have then there is no need to download the platform again

Download and Installation

- Navigate to <https://ascom-standards.org>.
- On the homepage, click the “Download” button on the right-hand side of the webpage in the box titled “Platform 6.5SP1”. This downloads an extension titled “ASCOMPlatform65SP1.exe”
- In either your downloads folder on your laptop or in the Downloads pop-up, double click on “ASCOMPlatform65SP1.exe”
- When prompted with the pop-up saying “Do you want to allow this app to make changes to your device?” Click “Yes”
- You’re then prompted with the “Welcome to ASCOM Platform 6.5 SP1 Setup” window
- In the “Welcome to ASCOM Platform 6.5 SP1 Setup” window:
 - Under “ASCOM Platform Options”, click the box next to “Install Diagnostics shortcut on Desktop” and “Install Profile Explorer shortcut on desktop”
 - Those boxes should now be checked with red Xs
 - Click “Install”
- After installation is complete, click “Finish”
- Now set up ASCOM Device Hub:
 - Press the Windows key on the keyboard, navigate to the “ASCOM Platform 6” folder and select “ASCOM Device Hub”
 - In the ASCOM Device Hub, select “Tools” then “Setup”
 - You should now be in the “Device Hub Application and Driver Setup” window
 - Go to the “Telescope Setup” then select “Choose” located beneath “Telescope Device”
 - You should now be in ASCOM Telescope Chooser

- Click the arrow to the right of "Properties" to expand the drop down window
- Select "Celestron Telescope Driver" then select "OK"
- In Device Hub Application and Driver Setup select "OK"
- In ASCOM Device Hub, click "Connect Telescope" in the upper left of the window
- Telescope has been connected when the red text underneath Telescope State reads "Connected"

All Sky Plate Solver (ASPS)

- Navigate to http://www.astrogb.com/astrogb/All_Sky_Plate_Solver.html
- Scroll down to click on "Download All Sky Plate Solver" to download
- Set up:
 - In your Downloads folder, navigate to and double click "Install.exe"
 - Select Language
 - Select Destination location
 - Check "All Sky Plate Solver 1.4.5.11" and "Create a Quick Launch shortcut"
 - Ready to Install → Install
 - Finish

Post Upgrade

- Once set up, run SharpCap (make sure you've upgraded to SharpCap 4.0 and that a QHY Camera is connected and turned on)
- In SharpCap, go to File then SharpCap Settings
- Click on the Hardware tab, then under "Mounts" click the drop-down window and select "Device Hub Telescope"
- Click on the Plate Solving tab, then under Plate solve settings under "After solving from Telescope controls/Solve and Sync Menu" click the drop-down window and select "Offset the mount position to center the target" if it was not already done when installing the latest version of SharpCap 4.0
- Now go to the "Plate Solving" tab
- Under Plate solve settings, click on the drop-down window beneath "Select Plate Solving Application" and select "AstroTortilla/Ansvr/ASPS"
- Click Apply, then OK