Updated Dec 24, 2009

The following has been tested on Win XP, Vista and W7 Note on W7: Microsoft, in their infinite wisdom, has chosen to not offer you choices of what to do with a USB device it does not know about (as W7 comes packaged out of the box). W7 searches the web by default and then says cannot find a driver and offers no other choices. You need to navigate to Device Manager, find the "Other Devices"->USB to ST4 Astrogene_1000 Double click it, select Driver tab then "Update Driver" ->"Browse my computer for driver software" Point to where you extracted the INF files to and when asked click "install this driver software anyway"

The driver for the USB ST4 does not add any code to your system, it only invokes the supplied by Microsoft USBSER driver.

End update Dec 24, 2009

Install instructions for Astrogene1000_stuff USB to ST4 autoguide output Windows drivers and ASCOM drivers

Windows INF file

Do -not- insert the unit yet!

Download the INF file:

Extract to some directory on your PC

Insert the unit

New Hardware found pops up, select 'No, not this time', Click Next

Found New Hardware Wi	zard					
	Welcome to the Found New Hardware Wizard Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission). Read our privacy policy					
	Can Windows connect to Windows Update to search for software?					
	 Yes, this time only Yes, now and every time I connect a device No, not this time 					
	Click Next to continue.					
	< Back Next > Cancel					

Select "Install from specific location, click Next



Browse to the directory where you extracted the INF file to, click next

Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
✓ Include this location in the search:
Where You Extracted To Browse
O Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back Next > Cancel

Driver install (if not signed comes up, click Continue/Install Anyway)

Found New Hardware Wizard				
Please wait while the wizard installs t	he software			
USB to ST4 output guider via (Communications Port			
\overleftrightarrow	Ø			
	< Back Next > Cancel			

Driver installed, click Finish



Open up Start->Settings->Control Panel->DeviceManager and Open 'Ports (Com & Lpt)'

This shows you the port the device installed to:

🖴 Device Manager	
File Action View Help	
PCMCIA adapters PCMCIA and Flash memory devices Ports (COM & LPT) Bluetooth Serial Port (COM11) Bluetooth Serial Port (COM12)	~
Section Serial Port (COM13) Section Serial Port (COM14) Section Serial Port (COM15) Section Serial Port (COM16) Section Serial Port (COM17) Section Serial Port (COM17)	
Sector Serial Port (COM18) Sector Serial Port (COM19) Sector Serial Port (COM20) Sector Serial Port (COM9) USB to ST4 output quider via Communications Port (COM24)	
Processors ScSI and RAID controllers Socure Digital host controllers Sound, video and game controllers System devices System devices	
명 · 약 Universal serial dus controllers	M

You can change the default port, double click the entry and the following shows:

JSB to ST4 output guider via Comm	nunications Port (C ? 🔈
General Port Settings Driver Details	
Bits per second:	9600
Data bits:	8
Parity:	None
Stop bits:	1
Flow control:	None
Adv	vanced Restore Defaults

Click 'Advanced', the following shows:

vanced Settings	for COM	124						?
Use FIFO bu Select lower Select higher	ffers (requ settings to r settings f	ires 16550 correct co or faster pe	compatible UAR nnection problem formance.	T)				OK Cancel
Receive Buffer: 1	.ow (1)		1		— 	High (14)	<mark>(</mark> 14)	Defaults
Transmit Buffer: L	_ow (1)	r1	W.		— 7	High (16)	(16)	

You can change the port number to an unused port from COM1 through COM32 $\,$

All done!

ASCOM driver

Update Dec 24, 2009

With the release of W7, the original manual install method needs tweaks to get around W7 security because it wants to copy files to directories batch files are not allow to get to so I generated an INNO Installer based version which works on XP/Vista and W7

Assumes you already have ASCOM platform installed!! Download the EXE version of the installer for the GC USB-ST4 Double click it to execute

End Dec 23, 2009 update

Old, manual install method that -does not work- on W7!!

Download the ASCOM driver, extract to a folder Navigate to the extraction folder Execute reregister.bat This copies the driver to the ASCOM directories and registers it as a server in windows Close the CMD window that pops up Execute ScopeForUSBST4Guide.exe This will autoregister the driver in the ASCOM registry branch

And close this window by clicking in X in the upper right corner

You should now have Scope for USB-ST4 Guide available I the ASCOM Chooser

ASCOM Telescope Choo	oser	×
Select the type of telescope yo Properties button to configure	u have, then be sure to clic the driver for your telescop	:k the be.
Scope for USB-ST4 Guide	V Propertie	:s
Scope for 909 Guide	<u>^</u>	
ServoCAT Sky Commander SkySensor2000-PC Telescope Simulator Temma by Takahashi TheSku-controlled telescope	OK Cance	*