Telescope control with Stellarium

Stellarium can be connected to the OST. In this way, it is possible to send guiding commands to the telescope.

Please note: Simultaneous connections of *Stellarium*, *MaximDL*, or the 10 micron Virtual Keypad to the telescope are <u>not possible!!!</u> Only one can be connected to the telescope at a time.

Establish the connection

First step

First, connect *Stellarium* to the telescope. For this purpose, hit the F2 key or move the mouse pointer to the left edge and click on the tool symbol. Afterwards, click on Plugins and then on Telescope Control. Then click on configure.

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* 0		*		≇ ℃		
Main Information	Navigation	Tools	Scripts	Plugins		
Compass Marks	Telescope	Contro	1			
Equation of Time	This plug-in allows Stellarium to send "slew" commands to a telescope on a computerized mount (a "GoTo telescope"). Authors: Bogdan Marinov, Johannes Gajdosik Contact: http://stellarium.org Version: 0.2.10					
Exoplanets						
Field of View						
Historical Supernovae	version. v.z.zv					
Meteor Showers						
Navigational Stars						
Observability Analysis						
Oculars						
Pointer Coordinates						
Pulsars						
Quasars						
Satellites						
Solar System Editor						
Telescope Control						
Text User Interface	Options			and the		
Time Zone	Load at sta	artup		configu	ne	

Second step

Initiate the connection procedure between *Stellarium* and the OST with a click on Start.



Third step

After the connection has been established, the Status notification should depict **Connected**. The menus can then be closed and *Stellarium* is ready to move the telescope to different objects.

The menus can then be closed. *Stellarium* can now be used to move the telescope to different objects by hitting key sequence STRG+1.

Point the telescope to individual objects



2025/04/01 10:36

The current pointing of the OST is illustrated with a red crosshair on the celestial sphere. An object must first be selected with the mouse pointer.



Afterwards, the telescope can be directed to this object by hitting the key sequence STRG+1 (STRG simultaneously with 1).

C10 (NGC 663 - C10)
Type: Open cluster
Magnitude: 7.10 (extincted to: 7.23) Surface brightness: 12.96 (extincted to: 13.09)
RA/DE (j2000), involutionary 11:00.0 RA/DE (of date): 1h47/m11s/+61°20'04" Galactic longitude (artitude: +129°26'45'4"/-0°55'47'2"
Hour angle/DE: 1h14m41s/+61°20'04" (apparent) Az/Alt: +318°47'09"+76°31'22" (apparent)
Ecliptic Topocentric (of J2000): +51°58'05.8"/+45°58'22.6" Ecliptic Topocentric (of date): +51°58'00.7"/+45°58'28.9"
Size: +0°16'00*
Dragonfly cluster
M103 - NGC 654

Close the connection

Repeat the first step from above but now click on Stop instead of Start.



The Status notification should then depict Stopped.

Configuration

Repeat the first and second step from above. Afterwards click on Configure.



The current settings are:

Configure Telescope	×
Telescope controlled by:	
 Stellarium, directly through a serial port 	
 External software or a remote computer 	
O Nothing, just simulate one (a moving reticle)	
	-4
Telescope properties	Î
Name:	
OST	X,
Connection delay: 0,50s	
Coordinate system:	
J2000 (default) Equinox of the date (JNow)	
Device settings	
Serial port: COM1	
Device model:	
Meade LX200 (compatible)	
Meade LX200.	
Connection settings	
Host: TCP port:	
User interface settings	
Circle size(s):	
	•
OK Cancel	0.54

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