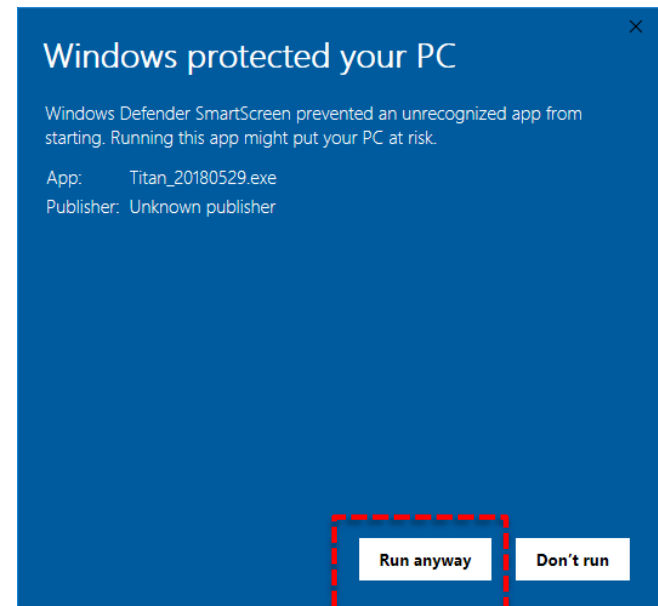
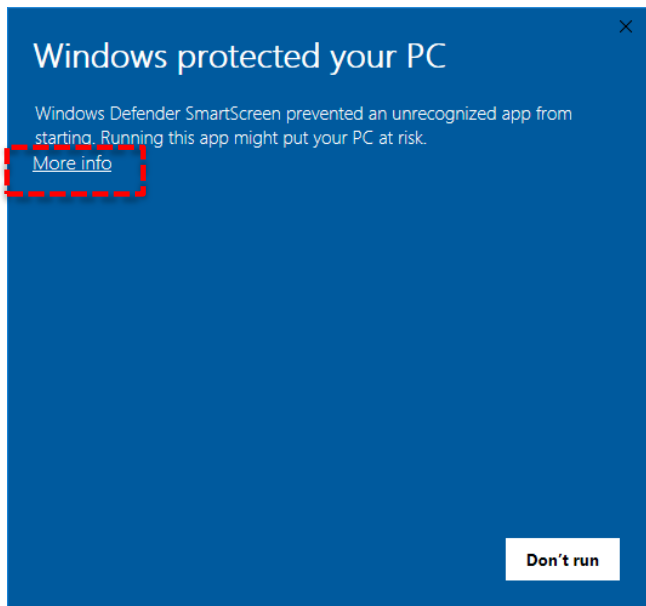


Preparations for ASCOM driver install

1. If a program with version 2.5.0 or lower is installed, be sure to uninstall the old version of the ASCOM driver for TitanTCS from the control panel.
2. Download and unzip the ASCOM driver for TitanTCS.
https://drive.google.com/drive/folders/1_BjB_LxA97z9Crswz_TQp3jLq_8yq58i
Filename : Titan-201?????-ASCOM.exe
3. If you have an older ASCOM driver for TitanTCS, uninstall it.
4. This program requires .net 4.5 or higher.
If you use an **older operating system such as Win7**, you can download it from MicrosoftSoft or download it from the URL below..
<https://drive.google.com/drive/folders/1AoSz68gCOSmqOkpaKIQ2ER2ApKPIAo-/>
filename : NDP452-KB2901907-x86-x64-AllOS-ENU.exe

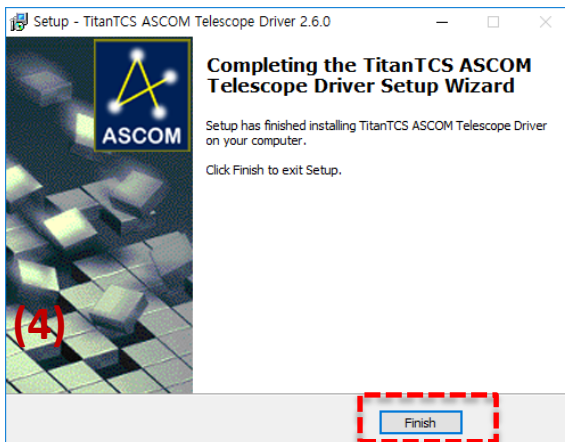
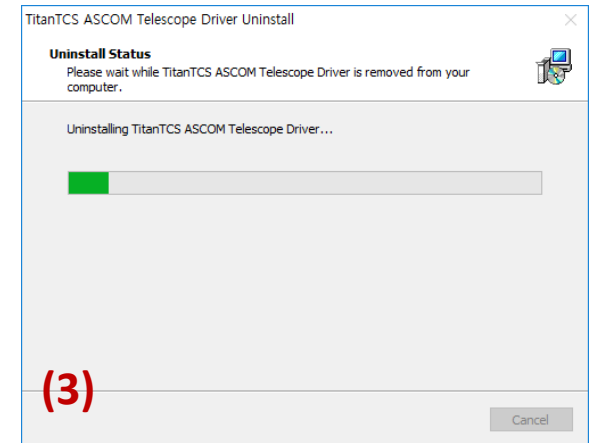
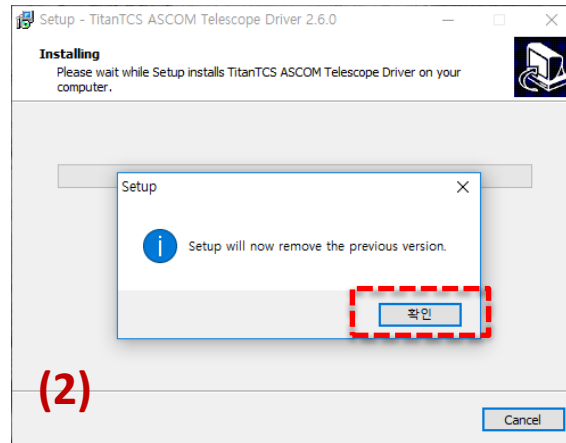
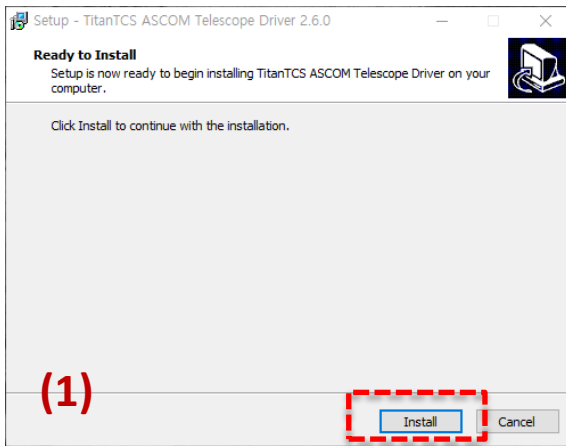
Download from internet & Install 1/2

1. Download and extract the Firmware Update program from the homepage.
https://drive.google.com/drive/folders/1_BjB_LxA97z9Crswz_TQp3jLq_8yq58i
Filename : Titan-201????-ASCOM.exe
2. Run the downloaded file to install the ASCOM driver for TitanTCS.
3. If the installation is successful, you will see "HOBYM TitanTCS" in the ASCOM Telescope Driver list.
4. If you are using Windows 10, the following screen may appear.
Select "More Info", [Run anyway] to continue the installation.

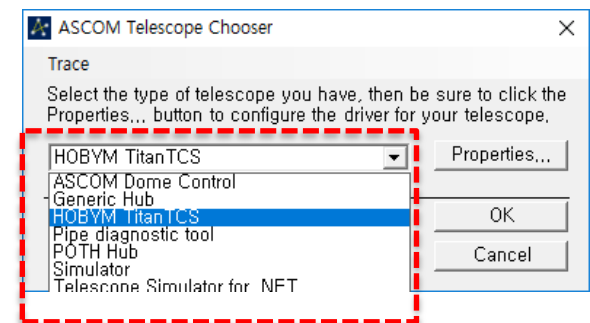


Download from internet & Install 2/2

Follow the steps below to continue the installation.



from ASCOM



ASCOM telescope driver for TitanTCS

Telescope control window

HOBYM TitanTCS - COM5

Telescope
R A: **03:48:37** DEC: **24*09:41**
 Sync N Flip
E Stop W
S
Speed: 50% 1/10

Location
Degree,minute,second
Latitude: 37 33 59 North
Longitude: 126 59 59 East
Time zone: 9 Hours
Read Set Location

PEC
 Enable
 Disable
PEC Training
Start
Stop

Park Telescope
 Parking at current location
 Move to saved point, park
Park Unpark
Save current location as a parking spot
Name: ASCOM
R A: 07:29:30 DEC: -02:59:43

Date & Time
Local: 2018 / 11 / 24 23 : 50 : 42
UTC: 2018 / 11 / 24 14 : 50 : 42
Time zone: 9 Hrs Y M D
Set Time
 Refresh (RA, DEC, Time)

Camera
Focus
Shutter
Release
 F/S Swap

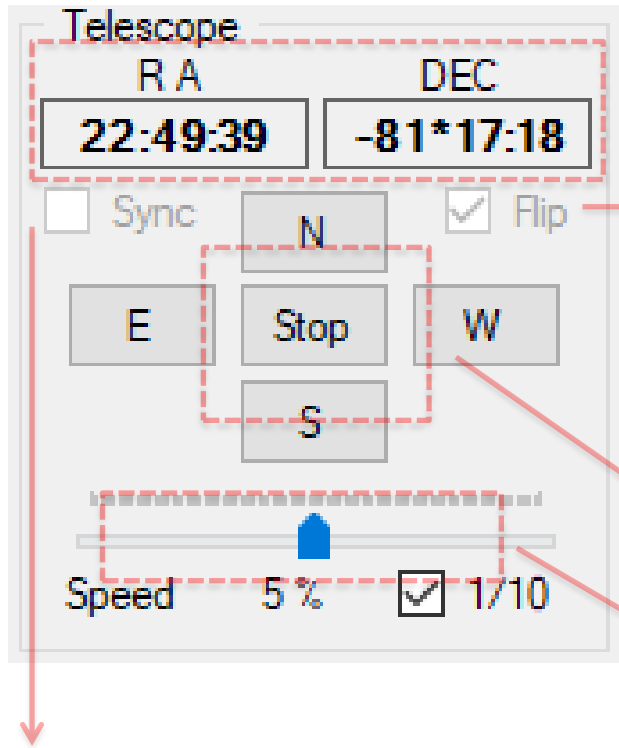
Connected : TCS Serial A
Firmware Version: 2018/11/23 00:00:00 **2.6.0**

Message

Disconnect

ASCOM telescope driver for TitanTCS

Telescope control



RA / DEC current coordinates

Flip Status (Read only)

Unchecked :

The telescope is on the west side of the peer.
The telescope is facing east.

Checked :

The telescope is on the west side of the peer.
The telescope is facing east.

Mount slewing control

Speed of slewing speed

Sync status (read only)

ASCOM telescope driver for TitanTCS

Park control

Park Telescope

Parking at current location
 Move to saved point, park

Park Unpark

Save current location
as a parking spot

Name ASCOM

RA DEC

07:38:30 -02:59:43

→ Location of park position

→ Park / Unpark Command

→ Save park position

→ Information of saved park position

ASCOM telescope driver for

Site information control

Location

Degree, minute, second

Latitude North

Longitude East

Time zone Hours

Location of current site
Set Location & time zone to TCS

Time zone
-12 ~ + 12

Read information from TCS

ASCOM telescope driver for TitanTCS

Date & time

Date & Time

Local	2018 / 11 / 24 23 : 59 : 41		
UTC	2018 / 11 / 24 14 : 59 : 41		
Time zone	9	Hrs	Y M D

Set Time

Refresh (RA, DEC, Time)

Time from Computer
(not TCS)

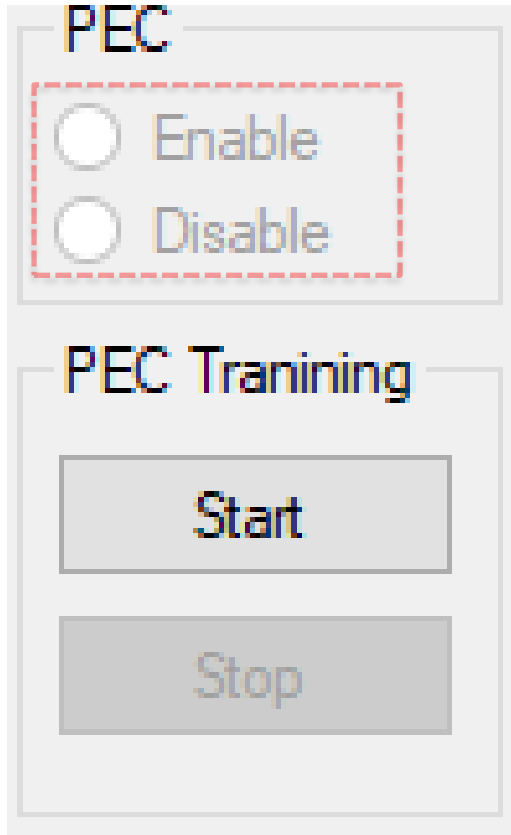
Display format of date

Set computer time & time zone to TCS

Refresh date & time from computer

ASCOM telescope driver for TitanTCS

PEC / PEC training



Enable /Disable PEC.



This button is grayed if PEC data is not valid.

PEC training start

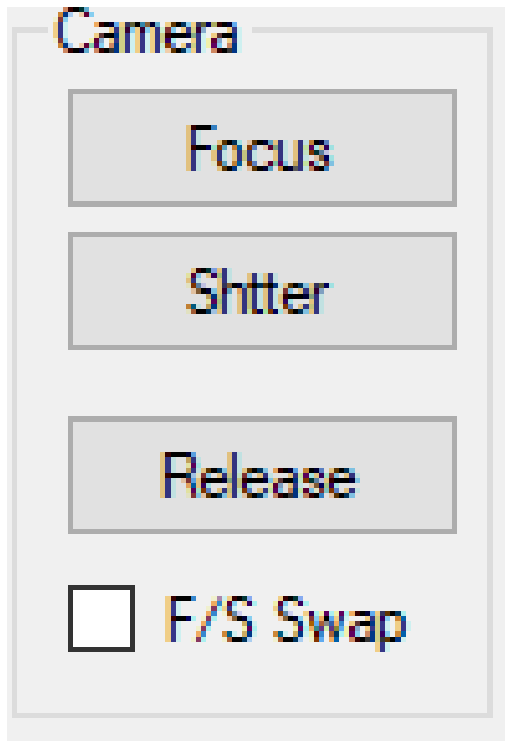
PEC training stop or cancel.

If the PEC learning progresses more than 100%,
the trained result will be saved when you stop.

If it is below 100%, the PEC information will be erased.

ASCOM telescope driver for TitanTCS

Telescope control window



Send focus signal to Camera

Send shutter signal to Camera

Erase shutter & focus signal

F/S Swap (Focus / Shutter Swap)

Depending on the release cable, the Focus / Shutter wiring may have changed.

Focus and Shutter signals are interchanged and output