

[Reference]

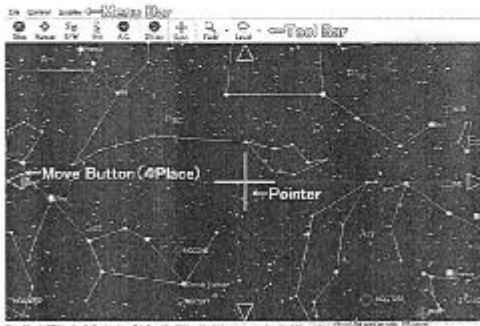
- If the [TT2000] installer did not execute automatically, make the explorer initiate, showing the contents of CD-ROM drive and left click [INSTALL.EXE] quickly twice and initiate the explorer.
- In case you like to stop the installation on the way, left click [CANCEL].
- When you like to delete [TT2000] from the drive, be certain to make it with [ADD OR DELETE APPLICATIONS] on the control panel.

How to Actuate TT2000

1. Download the Terma to a PC with the RS232C cable.
2. Switch the Terma on.
3. Switch the PC on and actuate the WINDOWS.
4. Left click the icon of TT2000 quickly.



Then, the star map will appear on the monitor.



[Caution]

If the Terma does not communicate with TT2000, the status bar at the bottom will show "error".

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COMMUNICATION SETTING

After installation, make communication setting through RS232C cable in order to actuate TT2000 and link the mount.



1. Click the [FILE] (F) of the menu bar and select [COMMUNICATION SETTING] in the pull-down menu by left click. Then, the window of the communication setting will open.



2. At first, set the COM port. Left click ▼ mark of the port window and display the port No. Then, left click the desired port.

[Caution] Usually the port is set at COM1 so that no change is necessary unless the RS232C is used for the other purpose. If the COM1 is used for the router, set it at COM2.



3. Setting has been made beforehand in the Terma.

TENMA New TW200A:19200bps
Old TENMA 8930bps
EM2000:2400bps
Astro Scale:2400bps



4. In case the communication with the Terma becomes error, change the RTS and DSR to [SELECT].

There will be some cases that a note PC could not be linked with Terma because the RS232C cable is allocated to infrared port. In such cases, change the setting of the RS232C, referring to the PG manual.

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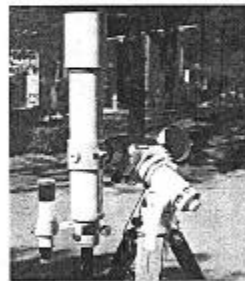
INITIAL SETTING

When the link between the Temma and the TT2000 is set up, make the initial setting with the following procedures.



1. Set the hour and the date.

Right click, moving the mouse pointer on the clock and left click [ADJUSTMENT FOR THE DATE AND THE HOUR]. Left click [OK] after adjustment for the date and the hour.



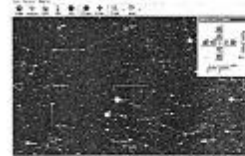
2. Point the telescope to the zenith in the west side toward the solar axis. (Telescope west position)



3. Left click [INITIAL SETTING] icon of the tool bar. Then, the dialog of the initial setting will appear.

POSTION SETTING FOR TEMMA

The telescope direction will be not always same with the pointer position on the star map just by initial setting. In order to be perfectly matched the both position, the following procedures are necessary.



1. Center a well-known star in the view field (more than 60x) by moving the telescope. Take the Geminid in the Gem4, for example. On the star map, the pointer is not positioned on the Geminid.

2. Next, position the mouse pointer on the Geminid and left click. Then, the Geminid is circled and the list of the neighboring objects is displayed.

3. Select the Geminid among the list and left click.



4. Then, the information dialog of the Geminid is displayed.

5. If the star is exactly same one which was selected. Left click the [SETTING POSITION] button below the right side of the dialog. If you like to stop doing the setting position, left click the [CANCEL].

6. Now the pointer on the map has been moved to the Geminid showing the direction of the telescope is just matched to the pointer.

[Note] If you met as an input error after the [SETTING POSITION] button has been pressed, left click the [CONTROL] in the menu bar [RETURN THE SETTING POSITION TO THE ORIGINAL POSITION].



SPECIFICATION

TT2000 can do the introduction automatically, by clicking the celestial body on the star chart with the mouse.
TT2000 inputs optional celestial body (longitude/R.A./DEC) and can do the introduction automatically.

Screen Layout

Epoch

A.D. of 2000 years or when you observe

View

180 degree (the horizon coordinate)

90 degree, 60 degree, 30 degree, 10 degree, 5 degree

The star chart is interlocking it with the telescope. Even the pointer on the star chart moves, when the telescope is moved. When the pointer, misses from the screen the star chart of the next area is displayed.

Data

Star/Date

Magnitude Limit 8.8 (Conformance to the IAU)

any Variable stars, any Double Stars

Deep Sky Object

Messier: 110, NGC: 7645, IC: 5332

The solar system

The Sun, The Moon, The Planet, any Comet, any Asteroid

Others

Equatorial Grid, Constellation Lines

Constellation Name, main Star Name

Trademark

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TT2000 is the product that the Co., Ltd. TAKAHASHI SEISAKUSHO is selling.

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