

AUTOSTAR QUICK REFERENCE GUIDE

OBJECT MENU

This menu contains most of the Autostar databases - *i.e.*, the options contained in this menu display lists containing celestial objects. Use the **Scroll keys** to scroll through the lists and the **GO TO key** to move (slew) the telescope to any objects contained on these lists.

Menu Option	Function	Procedure
Solar System	Database of objects in solar system.	Select an object from the list, press GO TO .
Constellation	Database of all 88 constellations.	Scroll through list. Select a constellation from the list, press GO TO .
Deep Sky	Database of objects outside of the solar system.	Select an object from the list, press GO TO .
Star	Database of stars.	Select a star from the list, press GO TO .
*Satellite	Database of earth-orbiting man-made satellites.	Select a satellite from list. See instruction manual for details.
User Objects	Database of user-entered astronomical objects.	<i>Add data</i> for user-selected object. <i>Select</i> object from the list, press GO TO .
Landmark	Database of user-entered terrestrial landmarks.	<i>Add data</i> for user-selected landmark, center in eyepiece, press ENTER . <i>Select</i> object from list, press GO TO .
Identify	Identifies object in field of view.	Center chosen object in the telescope eyepiece, press Scroll keys to display information.

EVENT MENU

This menu displays information of various astronomical events, based on the date entered during initialization or in the Date menu.

Menu Option	Function	Procedure
Sunrise	Calculates Sunrise.	Select this menu option, press ENTER .
Sunset	Calculates Sunset.	Select this menu option, press ENTER .
Moonrise	Calculates Moonrise.	Select this menu option, press ENTER .
Moonset	Calculates Moonset.	Select this menu option, press ENTER .
Moonphases	Displays the dates of the Moon phases.	Select this menu option, press ENTER .
Meteor Showers	Displays information about meteor showers.	Select this menu option, press ENTER .
Solar Eclipse	Displays info on upcoming solar eclipses.	Select this menu option, press ENTER . Use the Scroll keys to display data.
Lunar Eclipse	Displays info on upcoming lunar eclipses.	Select this menu option, press ENTER . Use the Scroll keys to display data.
Min. of Algol	Calculates the minimum brightness of Algol at mid-eclipse.	Select this menu option, press ENTER .
Autumn Equinox	Calculates time and date of this event.	Select this menu option, press ENTER .
Vernal Equinox	Calculates time and date of this event.	Select this menu option, press ENTER .
Winter Solstice	Calculates time and date of this event.	Select this menu option, press ENTER .
Summer Solstice	Calculates time and date of this event.	Select this menu option, press ENTER .

GUIDED TOUR MENU

This menu takes you on a Guided Tour of the night sky and displays information about the objects on the tour.

Menu Option	Function	Procedure
Tonight's Best; How Far is Far; What is a Star; <i>etc.</i>	Takes you on a Guided Tour of the night sky.	Select this option. Press ENTER to display information about object. Press GO TO to go to the next object on list. Press MODE to return to Tour List. Hold down MODE for two seconds to exit.

GLOSSARY MENU

This menu allows you to access the Glossary.

Menu Option	Function	Procedure
A - Z	Provides an alphabetical listing of definitions of astronomical terms and Autostar functions.	Scroll to the desired letter of the alphabet. Press ENTER . Scroll through the list. Press ENTER to display data. Press MODE to exit.



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UTILITIES MENU

This menu provides access to several useful features, such as Eyepiece Calculation and Brightness Adjustment.

Menu Option	Function	Procedure
Timer	Selects the countdown timer. Set: Enter time to be counted down. Start/Stop: Activates or de-activates the timer after it has been set.	Select this menu option, enter <i>Set</i> data, select "Start/Stop," press ENTER .
Alarm	Sets an alarm signal (as a reminder). Set: Enter the time of day to go off. Start/Stop: Activates or de-activates the alarm after it has been set.	Select this menu option, enter <i>Set</i> data, select "Start/Stop," press ENTER .
Eyepiece Calc	<i>Field of view</i> : Calculates the field of view of an eyepiece.	Scroll through list of eyepieces, press ENTER to display value.
	<i>Magnification</i> : Calculates the magnification of an eyepiece.	Scroll through list of eyepieces, press ENTER to display value.
	<i>Suggest</i> : Suggests the best eyepiece to view an object.	GO TO a database object, select this option, press ENTER .
Display Options	Turns off the Sun Warning and the Getting Started message.	Select menu option, press ENTER .
Brightness Adj	Adjusts the brightness of the Autostar display.	Adjust brightness with the Scroll keys , press ENTER .
Contrast Adj	Adjusts the contrast of the Autostar display.	Adjust contrast with the Scroll keys , press ENTER .
Landmark Survey	Automatically 'tours' the Landmarks database. See "Object Menu: Landmarks."	Select this menu option, press ENTER to start the survey. Press any key to skip a landmark and to go to the next landmark on list. Press MODE to pause survey. Press ENTER to restart the survey at the first object on list.
Sleep Scope	Shuts down Autostar & telescope to save power, but remembers alignment.	Select this menu option, press ENTER . Press any key except ENTER to re-activate Autostar.
Park Scope	If the telescope is not to be moved between observing sessions, this function remembers Autostar's settings. Alignment is not required (just enter Time & Date) when powered up again.	Select this menu option, press ENTER . Turn off power. DO NOT MOVE TELESCOPE .

SETUP MENU

Although this menu's primary function is to align a telescope, many other useful functions are available as well.

Menu Option	Function	Procedure
Date	Changes the Date.	Use Scroll & Arrow keys to enter Date, press ENTER .
Time	Changes the Time. Set to "AM," "PM," or Military ("blank").	Use Scroll & Arrow keys to enter Time, press ENTER .
Daylight Saving	Enables or disables Daylight Saving Time.	Select "Yes" during Daylight Saving Time period of the year.
Telescope	<i>Focal length</i> : Displays the focal length of the selected telescope.	Displays focal length value.
	<i>AZ Ratio/Alt Ratio</i> : Displays gear data of the telescopes motors.	Do not alter these numbers!
	<i>*Mount</i> : Select type of mount - Alt/Az or Polar	Choose Alt/Az or Polar and press ENTER
	<i>Train Drive</i> : Train drive about every six months or after a reset.	Follow procedure described in the instruction manual.
	<i>Tracking rate</i> : Changes the tracking speed: a) <i>Sidereal</i> : Default setting (for most astronomical objects). b) <i>Lunar</i> : Use to track the Moon. c) <i>Custom</i> : Define your own rate.	Select tracking speed, press ENTER .
	<i>Reverse L/R</i> : Reverses functions of Left & Right Arrow keys.	Select this menu option, press ENTER .
	<i>Reverse Up/Down</i> : Reverses functions of Up & Down Arrow keys.	Select this menu option, press ENTER .
	<i>Calibrate Motors</i> : Used to retest the motors. Use if you are having a problem or using an Autostar unit with different units.	Select this menu option, press ENTER .
	<i>High Precision</i> : High precision alignment for moving to faint celestial objects.	Select this menu option (or hold ENTER two seconds), press ENTER . Scope slews to nearby bright star, displays: "Enter to Sync." Center star in eyepiece, press ENTER . Scope slews to chosen object.
	<i>*Alt Percent/Az Percent</i> : Adjusts the telescope's backlash.	Enter percent value from 0 to 99.
Targets	Choose between astronomical or terrestrial objects (turns off tracking for terrestrial objects).	Choose astronomical or terrestrial and press ENTER .
Site	<i>Add</i> : Allows user to add up to six observing sites to Site list.	Scroll through the list of countries/states and then list of cities. When the desired data displays, press ENTER .
	<i>Select</i> : Choose an observing site from the list.	Scroll through the list of sites. With desired site (City) selected, press ENTER .
	<i>Delete</i> : Deletes a site from the list.	Select the site you wish to delete, press ENTER .
	<i>Edit</i> : Edit Site data, create a custom site listing.	Enter or revise data, press ENTER . See manual for details. Use the Arrow keys to enter data, then press ENTER .
Owner Info	Enter your name & address into Autostar memory.	Use the Arrow & Number keys to enter data, then press ENTER .
Download	Download information from a PC, website, or another Autostar.	Requires the optional #506 AstroFinder software and cable kit. See instructions that are included with the kit.
*Clone	Download and share data with another Autostar handbook.	Requires the optional #506 AstroFinder software and cable kit. See instructions that are included with the kit.
Statistics	Characters Free: Displays how much memory is available. Version: Displays the current version of the Autostar software.	Select this menu option, press ENTER .
Reset	Resets Autostar.	Select this option, press ENTER . Reset is not recommended . Try other functions first, such as Train the Drive & Recalibrate.

* Option not available on all versions of Autostar.