

**MEADE  
LX200 SCT  
Classic**

**OPERATOR'S  
CHECKLIST**

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## **A. ALTAZ SETUP**

1. Place telescope with power panel facing – NORTH
2. Level telescope using built-in bubble level.

## **B. ALIGNMENT IN ALTAZ CONFIGURATION**

1. Confirm N / S switch in correct position for location.
2. Telescope power switch - ON
3. Confirm location data – SITE (refer to pg. 4).
4. Confirm Time data (refer to pg. 4).
5. Loosen DEC lock knob.
6. Position OTA until DEC circle reads “0.”
7. Tighten DEC lock knob.
8. Loosen R.A. lock knob.
9. Position OTA until R.A. and H.A. pointers are lined up.
10. Tighten R.A. lock knob.
11. Press STAR, ENTER, ENTER. This puts you in the mode to select a star by name.
12. Use NEXT/PREV to select the first alignment star (See Alignment Star Library below).
13. Press ENTER, GOTO. This will point the telescope in the general neighborhood of the first alignment star.
14. Press MODE. Display reads TELESCOPE and OBJECT LIBRARY.
15. Press ENTER key with arrow next to TELESCOPE.
16. Display reads SITE and ALIGN
17. Use NEXT key to position arrow next to ALIGN.
18. Press ENTER key.
19. Press ENTER key with arrow next to ALTAZ.
20. Select 2 star alignment mode – Press NUMBER key 2.
21. Press ENTER if base is level.
22. Press ENTER to select align star (See pg. 3 for alignment star list).
23. Select the first alignment star again using NEXT/PREV, then press ENTER
24. Center star in eyepiece using the “E,W,N,S” keys and
25. SLEW, FIND, CENTER – Press ENTER
26. Repeat steps 19 – 21 you may use the GOTO function to select the second alignment star.

Note: Refer to owner’s manual for other ALTAZ setups.

### **C. POLAR ALIGNMENT**

1. Set compass to magnetic declination – (your magnetic declination).
2. Level the telescope using bubble level on base/wedge. See Mapug Topical Archive-Leveling for other more accurate methods; however, leveling is not critical-this adjustment will be altered in step 21.
3. Loosen compass/knob – slightly
4. Rotate compass/knob until magnetic arrow lines up over declination setting arrow.
5. Rotate wedge in azimuth until centerline of wedge lines up with “N” on compass.
6. Tighten compass/knob.
7. Set the wedge approximately to your observing latitude-this adjustment will be altered in step 21.
8. Loosen RA lock knob.
9. Rotate OTA due south (at best estimate).
10. Tighten RA lock knob.
11. Loosen DEC lock knob.
12. Rotate OTA until DEC setting circle reads 90.
13. Tighten DEC lock knob.
14. Confirm N / S switch is in correct position.
15. Telescope power switch – ON.
16. Confirm location data – SITE (refer to page 4).
17. Confirm time data (refer to page 4)
18. Select ALIGN in menu.
19. Select POLAR.
20. Press ENTER key and telescope should slew to precise offset position of pole star in DEC and RA.
21. Adjust altitude and azimuth of wedge until pole star is centered in field of view.
22. Press ENTER.
23. Telescope should slew to bright star visible in viewfinder.
24. Center star using DEC and RA controls on keypad.
25. Press ENTER.
26. Telescope should be polar aligned with all GOTO functions available.

**LX 200 ALIGNMENT STAR LIBRARY**

STAR	LIB #	MAG	R/A	DEC	CONSTELL
Achernar	13	0.5	01 37.7	-57 14	Eridanus
AcruX A	121	1.3	12 26.6	-63 06	Crux
Albireo	223	3.1	19 30.8	+27 58	Cygnus
Alkaid	140	1.9	13 47.6	+49 19	Ursa Major
Aldebaran	33	0.9	04 35.9	+16 31	Taurus
Alnilam	50	1.7	05 36.2	-01 12	Orion
Alphard	95	2.0	09 27.6	-08 39	Hydra
Alphekka	165	2.2	15 35.5	+26 43	CoronaBor.
Altair	226	0.8	19 50.8	+08 52	Aquila
Antares	177	0.9	16 29.5	-26 26	Scorpius
Arcturus	147	0.0	14 15.7	+19 11	Bootes
Betelgues e	56	0.4	05 55.2	+07 25	Orion
Bogardus	58	2.6	05 59.8	+37 13	Auriga
Canopus	63	-0.7	06 24.0	-52 42	Carina
Capella	42	0.1	05 16.6	+46 00	Auriga
Castor A	78	1.9	07 34.6	+31 53	Gemini
Deneb	232	1.3	20 41.5	+45 17	Cygnus
Denebola	114	2.1	11 49.1	+14 34	Leo
Diphda	8	2.0	00 43.6	-17 59	Cetus
Enif	238	2.4	21 44.2	+09 53	Pegasus
Fomalhaut	247	1.2	22 55.7	-29 38	Pices Aust.
Hadar	144	0.6	14 03.9	-60 24	Centaurus
Hamal	17	2.0	02 07.2	+23 28	Aries
Markab	249	2.5	23 04.8	+15 12	Pegasus
Mira	20	2.1	02 19.4	-02 58	Cetus
Polaris	19	2.0	02 14.7	+89 17	Ursa Minor
Pollux	81	1.1	07 45.4	+28 02	Gemini
Procyon	80	0.4	07 39.3	+05 14	Canis Minor
Regulus	100	1.4	10 08.5	+11 58	Leo
Rigel	41	0.1	05 14.6	-08 12	Orion
Sirius	67	-1.5	06 45.2	-16 43	Canis Major
Spica	138	1.0	13 25.2	-11 10	Virgo
Vega	214	0.0	18 37.0	+38 47	Lyra

### **LOCATION DATA ACCESS**

1. Select TELESCOPE – press ENTER key
2. Select SITE – press ENTER key
3. Press and hold enter key until key pad beeps and display shows “AAA” with first “A” flashing.
4. Press ENTER – Displays LAT/LONG information.
5. Press NUMBER keys to enter LAT/LONG (use “E/W” keys for corrections).
6. Press ENTER to complete process.
7. Press MODE key twice to exit.

### **TIME/DATE DATA ACCESS**

#### **TIME:**

1. Press MODE key until LOCAL and SIDE times are displayed.
2. Select LOCAL time by pressing ENTER key until keypad beeps.
3. Enter LOCAL time (USNO time) using NUMBER keys.
4. Press - ENTER after time confirmed.
5. GMT time zone shift will be displayed.
6. Enter GMT time zone shift using NUMBER keys.
7. To enter a negative sign position cursor under symbol using “E/W” keys.
8. Press NEXT key to enter symbol.
9. Press ENTER key and date information is displayed.

#### **U.S.A TIME ZONE CONVERSIONS**

	PACIFIC	MOUNT.	CENTRAL	EASTERN
STANDARD	+8 hrs.	+7 hrs.	+6 hrs.	+5 hrs.
DAYLIGHT	+7 hrs.	+6 hrs.	+5 hrs.	+4 hrs.

#### **DATE:**

1. Press and hold ENTER key until keypad beeps.
2. Enter date MM/DD/YY using NUMBER keys.
3. Press - ENTER to lock in date.
4. Display should then show “Updating Planetary Data.”