Initial Settings Upon Power Up

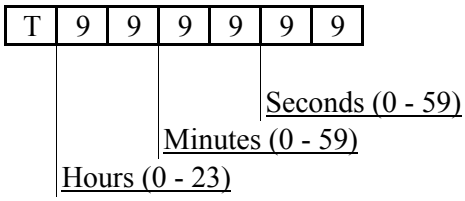
1	RA/DEC:	000000/00000
2	Telescope Side:	West
3	Handbox:	Direction keys operational
4	RA/DEC Correction Speeds:	90%/90%
5	Tracking:	Northern Hemisphere

Note: Tracking is reversed by holding the [S1] key while turning on power.

Command

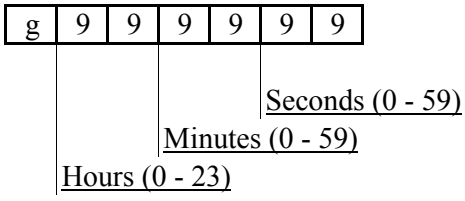
All commands to the mount end with a [CR] [LF].
All replies from the mount end with a [CR] [LF].
The delay time to process a command varies, but if you allow 1/4 second that should allow enough time for all commands.
Nothing is kept in memory. Latitude & LST must be set each time mount is powered up. If these are not set the "Get" commands return garbage.

Set Local Sidereal Time

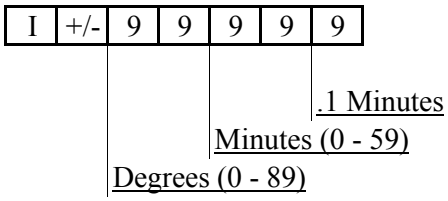


Get Local Sidereal Time

Reply Structure:

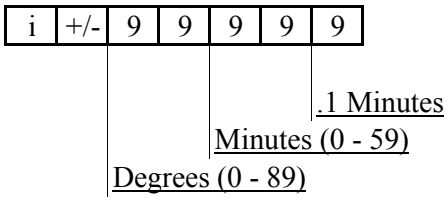


Set Latitude

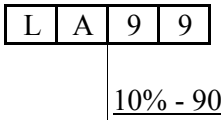


Get Latitude

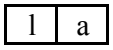
Reply structure:



Set RA Correction Speed

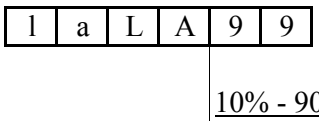


Get RA Correction Speed



Note: This is a lower case "L"

Reply structure:



Set DEC Correction Speed

L	B	9	9

10% - 90%

Get Dec Correction Speed

l	b

Note: This is a lower case "L"

Reply structure:

l	g	L	B	9	9

10% - 90%

Get Both Correction Speeds With Hemisphere

l	g

Note: This is a lower case "L"

Reply Structure:

l	g	9	9	D	9	9	N/S

Northern, Southern Hemisphere
Dec Correction Speed (10% - 90%)
RA Correction Speed (10% - 90%)

Set Comet Tracking

L	M	+/-	9	9	9	9	9	,	+/-	9	9	9	9

Degree-Minutes Per Day
Adjust Sidereal time by seconds per Day

Example:

LM+120,+30 would slow the RA speed by 86164/86284 and the Dec would track at 30 minutes a day.

To stop tracking either send a LM0,0 or a PS.

Get Comet Speed

l	m

Note: This is a lower case "L"

Reply Structure:

l	m	L	M	+/-	9	9	9	9	9	,	+/-	9	9	9	9

RA Speed Adjustment

Dec Speed Adjustment

Note: RA Speed adjustment is how many RA seconds are added/subtracted per 24 hour period, DEC adjustment is how many degrees per 24 hour period.

Get Local Sidereal Time

g

Reply Structure:

g	9	9	9	9	9	9

Hours (0 - 99)

Minutes (0 - 99)

Seconds (0 - 59)

Get Automatic Introduction Motions??? Setting Error???

s

Reply Structure:

s	9

0 or 1. I have no idea what this stands for. It seems to always be 0.

Get Version

v

Reply Structure:

v	e	r		.....

For Temma PC = TPC-0200-050200-T3A-0502
or TPC-0NJP-050200-T3A-0418
or TPC-020J-050075-T3A-0424

Do Slew

M	*

Bit:	Value = 0	Value = 1
1	Low Speed	High Speed
2		RA Right
3		RA Left
4		DEC Up
5		DEC Down
6	Encoder On	Encoder Off
7		Always 1
8	Always 0	

Set Location

1) Do Set Local Sidereal Time
2) Z
3) Do Set Local Sideral Time again
4)

D	9	9	9	9	9	9	+/-	9	9	9	9	9

1/10 Minute
Minutes (0 - 59)
Dec Degrees (0 - 90)
Seconds (0 - 59)
Minutes (0 - 59)

RA Hours (0 - 23)

Reply Structure:

R	*

1 = Ok
2 = RA Error
3 = Dec Error
4 = Too many digits

Get Current Location

E

Reply structure:

E	9	9	9	9	9	9	+/-	9	9	9	9	9	E/W/F	H

H = Handbox (operational?)
E/W = Side of mount telescope is on
F = Automatic introduction complete?
1/10 Minute (some models only even allowed)
Minutes (0 - 59)
Degrees (0 - 89)
DEC, + = East, - = West, [space] when Dec = 00000
Seconds (0 - 59)
Minutes (0 - 59)
RA Hour (0 - 23)

Note: After automatic introduction the E/W/F byte will read "F" for the first four readings. After that it will read E/W.

Switch Side Of Mount (E/W)

P	T

Note: Side of mount that telescope is on.

Goto

1) Do a Set Local Sidereal Time
2)

P	9	9	9	9	9	9	+/-	9	9	9	9	9

1/10 Minute (some models only even allowed)
Minutes (0 - 59)
Degrees (0 - 89)
DEC, + = East, - = West, [space] when Dec = 00000
Seconds (0 - 59)
Minutes (0 - 59)
RA Hour (0 - 23)

Reply Structure:

R	*

1 = Ok
2 = RA Error
3 = Dec Error
4 = Too many digits

Stop GOTO

P	S

To confirm us "S" command, S0 = canceled, S1 = send again.

Set Hemisphere Tracking

Determined by Latitude

Set Solar Rate

L	K

Set Stellar Rate

L	L

Set 12V Power

v	1

Set 24V Power

v	2