## Heliocom settings

Time/date, latitude and longitude are set automatically by GPS	<ul> <li>Weliocom USB</li> <li>Tracker settings</li> <li>Solar Time:</li> </ul>	v0.98 00:01:45 Set	Position Noon:	512	× Edit <b>4</b>		Specifies expected sensor value when reaching noon, morning (-90°) and evening (+90°) position when moving clockwise
Temperature alarm setting. Only used with	Date: Latitude: Longitude:	01.01.00 60.00° Edit 20.00° Edit	Position Morning: Position Evening: Motor Power:	195 E 722 E 110 E	Edit Edit Edit		Motor torque setting. Higher=stronger (non- linear)
Tracker rotates this many	Moving Interval:	1,8°         Edit           60         Edit	Motor Speed: Gear Ratio: Sensor Margin:	279 E	idit 4		Rotational speed. Higher=faster (linear)
degrees each step Tracker pauses this many minutes if it is unable to rotate. Each successive pause is multiplied (up to 6 times, reset each day) Tracker pauses after trying to move unsuccessfully	Service Count:       10       Edit       Sensor Gap:       0°       Edit         Mode:       Stopped (Day)       GPS:       Idle       Temp:       N/A       v4650-58         Control commands       Resume       Restart       Sync       Boot       Test       >       Goto         Motor:       Idle       Position:       0,0°       Sensor:       0,0°       (510)       Azimuth:       -179,3°         Events       Heliocom is used to diagnose, configure and update       Heliomotion solar trackers.       To establish a connection attach a USB cable (Type-A Male to Type-A Male)       between your laptop and the USB teminal located inside the connection box of your Heliomotion tracker.         [09:33]       Connected to Heliomotion       I09:33] Device has stopped       Image: Connected to Heliomotion					Gear ratio. Number of motor turns to rotate tracker a single turn	
						If calculated position deviates more than this number of degrees from measured sensor position the calculated position is adjusted (and service	
clockwise this many times. Reset every morning or after 5 successful moves.	USB attached Loca To edit a pa 1) Click the "Edit" butto 2) Tupo the	I time: 10:04:41 S prameter: Edit button to on label then cl	make the field c hanges to "Set".	Azi: -52,54 hangable.	:		Number of degrees subtracted from measured sensor value when moving counterclockwise (due to
	<ul><li>2) Type the desired value in the corresponding field.</li><li>3) Click the Set button to submit the change.</li></ul>						sensor lag)

## Heliocom status fields

time to local solar time       Tracker settings         Shows if day or night.       Tracker stays in noon         Date:       0.00°         Date:       0.00°         Edit       Postion Moming:         Date:       0.00°         Edit       Postion Roming:         Z22       Edit         Motor Power:       110         Edit       Motor Speed:         Tracking (automatic control) or Stopped (manual control)       Service Timeout:         Shows if motor is running or idle       Oestion         Motor:       10         Edit       Sensor:         Shows if motor is running or idle       Motor:         Motor:       10         Motor:       10         Edit       Sensor:         Shows if motor is running or idle       Motor:         Motor:	Manually updates date/	ially updates date/	Heliocom USB v0.98	- 🗆 ×		
Shows if day or night. Tracker stays in noon position during night       Solar Time:       00:01:45       Set       Postion Noon:       512       Edit         Date:       01.01:00       Postion Moming:       195       Edit       Shows if GPS is idle or synching         Dete:       01.01:00       Postion Evening:       722       Edit       Shows if GPS is idle or synching         Operation mode can be Tracking (automatic control) or Stopped (manual control)       Temp Alam:       30°C       Edit       Motor Seed:       3       Edit       Temperature sensor reading (N/A=not used)         Shows if motor is running or idle       Service Timeout:       60       Edit       Sensor:       0°       Edit       Software version number	time to local solar time	to local solar time	acker settings			
Shows if day or night. Tracker stays in noon position during night       Date:       01.01.00       Postion Moming:       195       Edit       Shows if GPS is idle or synching         Operation mode can be Tracking (automatic control) or Stopped (manual control)       Lattude:       0.00°       Edit       Motor Speed:       3       Edit       Temperature sensor reading (N/A=not used)         Shows if motor is running or idle       Service Court:       0       Edit       Sensor Gap:       0°       Edit       Software version number		Solar	lar Time: 00:01:45 Set	Position Noon: 512 Edit		
Tracker stays in noon position during night       Lattude:       0.00°       Edit       Postion Evening:       722       Edit       Synching         Operation mode can be Tracking (automatic control) or Stopped (manual control)       Control or Stopped (manual control)       Notor:       0       Edit       Motor Speed:       3       Edit       Temperature sensor reading (N/A=not used)         Shows if motor is running or idle       Shows if motor:       Supped (Day)       GPS:       Idle       Test       >       Software version number	Shows if day or night.	ws if day or night. Date	te: 01.01.00	Position Morning: 195 Edit	Shows if GPS is idle or	
position during night       Longitude:       20.00°       Edit       Motor Power:       110       Edit         Operation mode can be Tracking (automatic control) or Stopped (manual control)       Temp Alam:       300°C       Edit       Motor Speed:       3       Edit       Temperature sensor reading (N/A=not used)         Shows if motor is running or idle       Service Timeout:       60       Edit       Sensor Gap:       0°       Edit       Software version number	Tracker stays in noon	ker stays in noon	titude: \$0.00° Edit	Position Evening: 722 Edit	synching	
Operation mode can be Tracking (automatic control) or Stopped (manual control)       Temp Alam::       300°C       Edit       Motor Speed::       3       Edit       Temperature sensor reading (N/A=not used)         Shows if motor is running or idle       Motor: Idle       Sensor:       0.0°       Edit       Sensor:       0.0°       Edit       Software version number	position during night	tion during night	ngitude: 20.00° Edit	Motor Power: 110 Edit		
Operation mode can be Tracking (automatic control) or Stopped (manual control)       Moving Interval:       8°       Edit       Gear Ratio.       279       Edit       reading (N/A=not used)         Service Timeout:       0       Edit       Sensor Margin:       4°       Edit       Edit       reading (N/A=not used)         Moving Interval:       0       Edit       Sensor Margin:       4°       Edit       Edit       Sensor Gap:       0°       Edit       Sensor Gap:       0°       Edit       Software version number         Shows if motor is running or idle       Motor:       Idle       Position:       0,0°       Sensor:       0,0° (510)       Azimuth: -179,3°       Desition:       De		Tem	mp Alarm: 300°C Edit	Motor Speed: 3 Edit		
Tracking (automatic control) or Stopped (manual control)       Service Timeout:       60       Edit       Sensor Margin:       4°       Edit         Mode:       Stopped (Day)       GPS:       Idle       Test       Software version number         Shows if motor is running or idle       Motor:       Idle       Position:       0,0°       Sensor:       0,0°       Software version number	Operation mode can be	ation mode can be Movi	oving Interval: 1,8° Edit	Gear Ratio: 279 Edit	Temperature sensor	
control) or Stopped (manual control)       Service Count:       0       Edit       Sensor Gap:       0°       Edit         Mode:       Stopped (Day)       GPS:       Idle       Temp:       N/A       v4650-58       Software version number         Shows if motor is running or idle       Motor:       Idle       Position:       0,0°       Sensor:       0,0°       Goto	Tracking (automatic	cking (automatic Serv	rvice Timeout: 60 Edit	Sensor Margin: 4° Edit	reading (N/A=not used)	
(manual control)       Mode: Stopped (Day) GPS: Idle Temp: N/A v4650-58        Software version number         Shows if motor is running or idle       Control commands       Software version number         Motor: Idle Position: 0,0° Sensor: 0,0° (510) Azimuth: -179,3°       Desition concer reading in	control) or Stopped	itrol) or Stopped Serv	rvice Count: 10 Edit	Sensor Gap: 0° Edit		
Shows if motor is running or idle     Control commands       Motor:     Idle       Position:     0,0°       Sensor:     0,0°	(manual control)	nanual control)	ode: Stopped (Day) GPS: Idle Tem	n: N/A v4650-58 ◀	Software version number	
Shows if motor is running or idle Motor: Idle Position: 0,0° Sensor: 0,0° (510) Azimuth: -179,3°		Cont	Introl commands			
or idle	Shows if motor is running	if motor is running Res	esume Restart Sync Boot	Test < Goto		
POSITION SENSOR FEADINE IN	or idle	or idle Mot	otor: Idle Position: 0,0° Sensor: 0	,0° (510) Azimuth: -179,3°	Position sensor reading in	
Events degrees. The value in		Ever	rents		degrees. The value in	
The tracker's current Heliocom is used to diagnose, configure and update Heliomotion solar trackers. The attablish a superstein attack a USB askin (Trac A Mala to Trac A Mala)	The tracker's current	tracker's current	iocom is used to diagnose, configure and	update Heliomotion solar trackers.	parentheses is the raw	
degrees If sensor reading sensor value between your laptop and the USB terminal located inside the connection box sensor value between 0-	degrees. If sensor readin	es If sensor reading	ween your laptop and the USB terminal lo	cated inside the connection box	sensor value between 0-	
deviates more than Sensor 1024 which is translated to	deviates more than Senso	es more than Sensor	our Heliomotion tracker.		1024 which is translated to	
Margin then Position is 109:33] Connected to Heliomotion degrees based on the Desition Desiti	Margin then Position is	in then Position is	: <del>33] Connected to Heliomo</del> tion :33] Device has stopped	degrees based on the		
corrected to Sensor value	corrected to Sensor value	ted to Sensor value			Evening parameters	
(and service counter	(and service counter	d service counter		Artime: 00:50:47 Azi: -52,54		
increased by 1).	increased by 1).	creased by 1).				
					Calculated as lar	
Local solar time Calculated solar	ch	Shows if USB cable is	Local time according to	Local solar time	Calculated Solar	
attached or detached computer computer time and on local solar time and	att	attached or detached		computer time and	local solar time and	
longitude parameter			compater	longitude parameter	latitude parameter	

## Heliocom control commands

	🥺 Heliocom US	SB v0.98	-	- 🗆 ×		
	- Tracker settings					
	Solar Time:	00:01:45 Set	Position Noon:	512 Edit		
	Date:	01.01.00	Position Morning:	195 Edit		
	Latitude:	60.00° Edit	Position Evening:	722 Edit		Potato countar clockwico
	Longitude:	20.00° Edit	Motor Power:	110 Edit		Rolate counter-clockwise
	Temp Alarm:	300°C Edit	Motor Speed:	3 Edit		Number of degrees to
Used to toggle between	Moving Interval:	1,8° Edit	Gear Ratio:	279 Edit		rotate (0.2° – 90°)
	Service Timeout:	60 Edit	Sensor Margin:	4° Edit		
(Resume) and manual	Service Count:	10 Edit	Sensor Gap:	0° Edit		Rotate clockwise
control (Stop). Note that	Mode: Stopped	d (Day) GPS: Idle Te	mp: N/A v4650-58			
sending a movement	Control command	ls				Move to position specified
command automatically	Resume Res	start Sync Boot	Test <	> Goto		in field (-90° – 90°)
switches to manual	Motor: Idle Po	sition: 0,0° Sensor:	0,0 <sup>®</sup> (510) Azimuth	: -179,3°		
command can also abort a	Events					
GPS synchronization (after	Heliocom is used To establish a cor	lo diagnose, configure an inection atlach a USB ca	d update Heliomotion s ble (Type-A Male to Ty	olar trackers. pe-A Male)		
~5 seconds).	between your lapt	op and the USB terminal	located inside the conr	nection box		
	(09-22) Canadata					
	[09:33] Device ha	s stopped				
	USB attached Lo	cal time: 10:04:41 So	lar time: 08:36:47	Azi: -52,54		
			Disconne	cts from	Automatic	factory test
Restarts tracker. SamePerfoas toggling power supplyGPS s		orms a manual	Heliocom an	d connects	to get trac	ker specific
		sychronization to boot		app. Used	values fo	r position
			for softwar	e updates	sensor pa	rameters.