

COASTAL COMMAND SUMMARY
ST14 Version 3.13

Monitor	Function	Response
@	GPS receiver position	DDmm,N,DDDmm,W,A cr>
@	GPS memory position (second query)	DDd,N,DDDd,W,m cr>
V	Software version	Coastal nn Version 2.nn cr>
P	Elevation, Azimuth, Polang, Relative	EDDDdADDDdpnnnnRDDDd cr>
R	Signal level, Threshold, Network ID, Status	LnnntnnnnNxxxx @@@ k@@ cr>
S	Serial Number	SN98nnnnnn cr>
G	Roll and Pitch rate sensor position	RxxxxPxxxx cr>
H	Cross-level tilt, Level tilt, Auto Threshold, Pol Pot	CxxxxLxxxxuddddOnnnn* cr>
q(k)	(Sat k) Name, Longitude, Pol Offset	aABCDEF gDDDdW o+nn* cr>
r(k)	(Sat k) Tuning Freq, Alt Freq, Baud, FEC, NID	fnnnnhnnnnbnnnnvXnxxxx cr>
c	Low and High Latitude Limits	L0DDDH00DD cr>
d	Low, Mid, & High Latitude Threshold Offsets	L0nnnM0nnnH0nnn cr>
Control	Function	
^0080.↓	Start bootloader.	
^0085.↓	Toggle AGC Test Mode.	
^0086.↓	Disable DACP updates and enter diagnostic test mode.	
^0090.↓	Reboot PCU.	
eDDd.↓	Set elevation target to DD.d degrees.	
jDDDd.↓	Set pseudo azimuth target to DDD.d degrees.	
IDDdNDDDdE	Set Location to DD.d N/S, DDD.d E/W.	
mnn.↓	Set Model type to nn (range is 18, 24, 30, 20 or 14).	
pnnn.↓	Set POLANG target to nnn degrees (0-359, nominal: 90, range: nom.+/- 120).	
s98nnnnnn.↓	Set Serial Number.	
tnnnn.↓	Set THRESHOLD to nnnn counts (0-4095).	
a(k)aaaaa.↓	Set Satellite (k) Name to aaaaaa.	
b(k)nnnnn.↓	Set Satellite (k) Baud (symbol) rate to nnnnn.	
f(k)nnnn.↓	Set Satellite (k) primary tuning frequency (950-2047)-(LHCP / Vertical).	
g(k)DDDdE.↓	Set Satellite (k) longitude to DDD.d E/W degrees.	
h(k)nnnn.↓	Set Satellite (k) alternate tuning frequency (950-2047)-(RHCP / Horizontal).	
n(k)xxxx.↓	Set Satellite (k) Network ID (NID) to xxxx (0000-FFFF).	
o(k)[-]nn.↓	Set Satellite (k) Polang Offset +/- nn degrees.	
v(k)n.↓	Set Satellite (k) FEC to n.	
x1DD.↓	Set LOW LAT LIMIT in degrees (0-90)	
x2DD.↓	Set HIGH LAT LIMIT in degrees (0-90)	
y1nnn.↓	Set Low Lat. THRESHOLD OFFSET in AGC counts (0-255)	
y2nnn.↓	Set Mid Lat. THRESHOLD OFFSET in AGC counts (0-255)	
y3nnn.↓	Set High Lat. THRESHOLD OFFSET in AGC counts (0-255)	
+/-	inc / dec pol trim.	
C	Tracking / DishScan ON.	
D	Tracking / DishScan OFF, Search OFF.	
F	Update current sat as last viewed in flash.	
N	Select next visible satellite.	
W	Write parameters to NVRAM.	
U	Force Unwrap.	
Y	Restore DACP operation.	
Z	Send selected satellite tuning parameters to DVB receiver.	
8 / 2	Elevation UP / DOWN approx. 1 degree.	
6 / 4	Azimuth LEFT / RIGHT approx. 1 degree.	
3 / 1	AZ rate bias UP / DOWN (factory diagnostic only).	
7	Toggle Search ON/OFF (factory diagnostic only).	
9	Reverse Search Azimuth Direction.	
^0005.↓	Tilt Bias reset.	
^0009.↓	Set tilt Bias to current tilt readings (normalize tilt display).	
^000[4/6].↓	Adjust Tilt Bias 1 degree Left / Right from current value.	
^000[8/2].↓	Adjust Tilt Bias 1 degree Up / Down from current value.	
[Pt ↓	DiSEqC target Sat command (EchoStar Auto mode), t = (Sat# - 1) x 2	

(continued)

Abbreviations and range of values (unless otherwise specified).

aaaa or aaaaa	Alpha-Numeric characters (1-9, A-Z, a-z).
DDd or DDDd	Decimal degrees and tenths of degrees. Equal to DDD.d degrees.
DDmm or DDDmm	Degrees (DDD) and minutes (mm).
nnnn or nnnnn	Decimal digits in counts. Range is 0-99, 0-255, 0-4095 or 0–32767.
xxxx	Hexadecimal digits. Range is 0000-FFFF.
k	Satellite index (1-6) or (a-c) Low band and (A-C) High Band.
↵ or cr	Enter or Carriage Return.