

COASTAL COMMAND SUMMARY

Coastal 18, 24, 30 Version 2.14

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>

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.
IDDDNDDdE	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).
unnn↵	Set Auto Threshold to nnn counts (range: 000 to 255, nominal: 100).
a(k)aaaaa↵	Set Satellite (k) Name to aaaaaa.
b(k)nnnn↵	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.
+/-	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

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.