



### System Information

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# Sea Tel

## COBHAM

ACU Model :	DAC 2202 VER 6.15	Serial Number :	
PCU Model :	4006A VER 2.56	Serial Number :	
Tracking Receiver :	SCPC VER 5.53	Serial Number :	
Comm Interface :	Comm IF Ver 1.20	Serial Number :	



### Communication Port Settings

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IP Address :	172.27.30.10	Enabled	Port/Band	Secured
Net Mask :	255.255.255.0	TCP 0 :	<input checked="" type="checkbox"/> 2000	<input type="checkbox"/>
Gateway :	172.27.30.9	TCP 1 :	<input checked="" type="checkbox"/> 2001	<input type="checkbox"/>
NMEA Heading ID :	HDT	TCP-2 (OpenAMIP) :	<input checked="" type="checkbox"/> 2002	<input type="checkbox"/>
LO Bands		UDP :	<input checked="" type="checkbox"/> 3000	<input type="checkbox"/>
Ref A Band 1 (13V/ 0k)	10.00 GHz	Web (HTTP) :	<input checked="" type="checkbox"/> 80	<input checked="" type="checkbox"/>
Ref A Band 2 (13V/22k)	10.75 GHz	M&C :	<input checked="" type="checkbox"/> 9600	<input type="checkbox"/>
Ref A Band 3 (18V/ 0k)	11.30 GHz	NMEA A :	<input checked="" type="checkbox"/> 4800	<input type="checkbox"/>
Ref A Band 4 (18V/22k)	9.75 GHz	NMEA B :	<input checked="" type="checkbox"/> 4800	<input type="checkbox"/>
Ref B Band 1 (13V/ 0k)	N/A	UDP (ROAM) :	<input type="checkbox"/> 49184	<input type="checkbox"/>
Ref B Band 2 (13V/22k)	N/A			
Ref B Band 3 (18V/ 0k)	N/A			
Ref B Band 4 (18V/22k)	N/A			

[Load Default LO](#)

Attention, "Save" will write all CommIF parameters to FLASH

[Save](#) [Submit](#)

Command :  Send Response :



109.233.41.207:8880/pcu\_params.shtml

### PCU Parameters

Port Settings

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Status

Home

Pedestal Type : 024

LV Loop Gain : 020

CL Tilt Trim : 000

Home Flag Trim : 000

Scan Rate : 016

System ID : 128

CL Loop Gain : 060

AZ Loop Gain : 026

LV Tilt Trim : 000

Dishscan Setup : 026

Error Flags : 000

Use the M&C Ports to change these values.

Reload

109.233.41.207:8880/parameters2.shtml

### DAC Parameters Page 2

Port Settings

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Home

Satellite : 015.0 W

Frequency MHz : 1570

KHz : 0380

Tone : ON

Volt : VERT 13V

FEC : SCPC

Sat Skew : 000

Target NID : 0000

Band : Band 1

Tx Polarity : 002

Az Limit 1 : 0000

Az Limit 2 : 0000

El Limit 12 : 000

Az Limit 3 : 0000

Az Limit 4 : 0000

El Limit 34 : 200

Az Limit 5 : 0000

Az Limit 6 : 0000

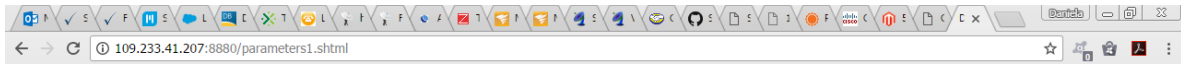
El Limit 56 : 000

Attention, "Save" will write all DAC parameters to FLASH

Submit

Reload

Save



### DAC Parameters Page 1

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Elevation Trim :	<input type="text" value="-0029"/>	Azimuth Trim :	<input type="text" value="0008"/>
Elevation Step Size :	<input type="text" value="000"/>	Azimuth Step Size :	<input type="text" value="000"/>
AUTO threshold :	<input type="text" value="061"/>	Sweep Increment:	<input type="text" value="000"/>
Search Increment :	<input type="text" value="015"/>	Step Integral :	<input type="text" value="000"/>
Search Limit :	<input type="text" value="100"/>	Polang Type :	<input type="text" value="072"/>
Search Delay :	<input type="text" value="030"/>	Polang Offset 24V :	<input type="text" value="045"/>
System Type :	<input type="text" value="007"/>	Polang Scale 24V :	<input type="text" value="090"/>
<input type="checkbox"/> Modem Lock = HI		Gyro Type :	<input type="text" value="001"/>
<input type="checkbox"/> LNB voltage on		<input type="text" value="1:1 Synchro-S/D"/>	
<input type="checkbox"/> Relative Display			
<input type="checkbox"/> Block out = HI			
<input type="checkbox"/> Reverse Tx Pol 2/4			
<input checked="" type="checkbox"/> SAT load after SEARCH			
<input checked="" type="checkbox"/> External Modem Lock			
<input checked="" type="checkbox"/> SAT load on RESET			
Tracking Display :		<input type="text" value="170 - Xp Quad Band"/>	

Reload

Save

Attention, "Save" will write all DAC parameters to FLASH.

Submit



### Favorite Satellites

Port Settings

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Parameters

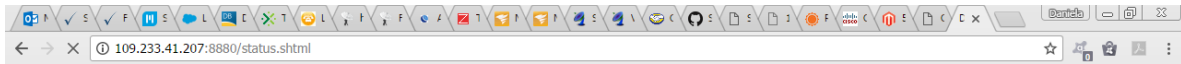
Favorites

Status

Home

Name :	<input type="text" value="T14"/>	<input type="text" value="T12"/>	<input type="text" value="T11"/>	<input type="text" value="ASTRA28E"/>	<input type="text" value="HOTBRD13"/>
Sat Lon :	<input type="text" value="63"/> <input type="text" value="W"/>	<input type="text" value="15"/> <input type="text" value="W"/>	<input type="text" value="037.5"/> <input type="text" value="W"/>	<input type="text" value="028.0"/> <input type="text" value="E"/>	<input type="text" value="013.0"/> <input type="text" value="E"/>
Frequency :	<input type="text" value="1142"/>	<input type="text" value="1570"/>	<input type="text" value="1531"/>	<input type="text" value="1139"/>	<input type="text" value="1977"/>
Baud Rate :	<input type="text" value="272"/>	<input type="text" value="0380"/>	<input type="text" value="0890"/>	<input type="text" value="27500"/>	<input type="text" value="27500"/>
FEC :	<input type="text" value="SCPC"/>	<input type="text" value="SCPC"/>	<input type="text" value="SCPC"/>	<input type="text" value="AUTO"/>	<input type="text" value="AUTO"/>
Tone :	<input type="text" value="ON"/>	<input type="text" value="ON"/>	<input type="text" value="OFF"/>	<input type="text" value="OFF"/>	<input type="text" value="ON"/>
Volt :	<input type="text" value="VERT 13V"/>	<input type="text" value="VERT 13V"/>	<input type="text" value="VERT 13V"/>	<input type="text" value="VERT 13V"/>	<input type="text" value="HORZ 18V"/>
Target Nid :	<input type="text" value="0000"/>	<input type="text" value="0000"/>	<input type="text" value="0000"/>	<input type="text" value="0020"/>	<input type="text" value="013E"/>
Band :	<input type="text" value="Band 2"/>	<input type="text" value="Band 1"/>	<input type="text" value="Band 1"/>	<input type="text" value="Band 1"/>	<input type="text" value="Band 1"/>
Tx Pol :	<input type="text" value="004"/>	<input type="text" value="002"/>	<input type="text" value="004"/>	<input type="text" value="002"/>	<input type="text" value="004"/>
Sat Skew :	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="button" value="Select"/>		<input type="button" value="Select"/>	<input type="button" value="Select"/>	<input type="button" value="Select"/>	<input type="button" value="Select"/>
<input type="button" value="Save"/>		<input type="button" value="Save"/>	<input type="button" value="Save"/>	<input type="button" value="Save"/>	<input type="button" value="Save"/>





Port Settings

Parameters 1

Parameters 2

PCU

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Status

Home

Refresh

Manual

Auto

Tracking

Searching

Target

Blocked

Initializing

Error

Sat Ref

DishScan

Control

Tracking

Clear Error

Latitude : 048.3 N

Longitude : 004.5 W

Satellite : 015.0 W

Local Hdg : 210.6

Threshold : 1398

Mdm Lck/Ext AGC : 0116

Target NID : 0000

ACU Errors :

Satellite Range

Conscan/Dishscan

PCU Error

Comm Error

Converter Type

Gyro Read

Azimuth : 194.3

Elevation : 033.9

Relative Az : 342.8

Remote Hdg : 210.6

AGC : 1515

Remote POL : 0144

Current NID : 1234

Reserved

Pointing Error

AZ Reference

AZ Servo

Limit

LV Servo Limit

CL Servo

Limit

Esperando a 109.233.41.207...



### Interface / Framing

(Submit Tx and Rx Interface Type and Framing Mode BEFORE setting other configuration parameters.)

Tx Interface Type: V.35  
Tx Framing Mode: Unframed

Rx Interface Type: V.35  
Rx Framing Mode: Unframed

Submit

If CnC-APC is active, key transmission/reception parameters (Modulation, FEC type, Code Rate, Framing, Data Rate, Interface) cannot be modified until CnC-APC is suspended. (Go to Overhead tab to suspend or activate.)

### Transmit

FEC Type: TPC  
Modulation Type: QPSK  
FEC Code Rate: 1/2  
Data Rate: 00512.000 kbps (Synchronous)  
Symbol Rate: 00536.380 kbps  
Frequency: 1141.6650 MHz  
Spectrum: Inverted  
Scrambler: On (Normal)  
Power Level: 20.0 dBm (minus sign assumed)  
Reed-Solomon Encoding: Normal  
Data Invert: Normal  
Clock Invert: Normal  
Ternary Code: B8ZS  
Carrier: ON  
POCO: Disabled (Use with caution)  
Sub-Mux: Off  
Sub-Mux Ratio: 1/9 (IP/Synchronous Data)  
Tx Filter Roll-off Factor: 0.35

Submit

### Receive

FEC Type: TPC  
Demodulation Type: QPSK  
FEC Code Rate: 7/8  
Data Rate: 01024.000 kbps (Synchronous)  
Symbol Rate: 00585.142 kbps  
Frequency: 1570.3800 MHz  
Spectrum: Normal  
De-Scrambler: On (Normal)  
Sweep Width: 32 kHz (+/-)  
Reed-Solomon Decoding: Normal  
Data Invert: Normal  
Clock Invert: Normal  
Ternary Code: B8ZS  
Eb/No Alarm Pt: 00.1 dB  
Receive Equalizer: Disabled  
Sub-Mux: Off  
Sub-Mux Ratio: 1/9 (IP/Synchronous Data)



## CDM-625: Comtech EF Data Modem :: Block Up Converter

Home Admin Configuration Status ODU Redundancy Modem LAN Routing Managed Switch WAN Overhead Utilities D&I BUC LNB ANT MEO

### BUC Configuration (enable FSK via menu: ODU enable)

BUC Power Enable	OFF	BUC Low Current Limit	0 mA (0 to 4000)
BUC 10 MHz Ref Enable	ON	BUC High Current Limit	2000 mA (0 to 4000)
BUC Output Power Enable	OFF	TX LO Frequency	15450 MHz HIGH (-)
		BUC Address	1 (1 to 15)

Submit BUC Controls

### BUC Status (Refreshes every 10 seconds)

BUC Current	0 mA	BUC Voltage	00.0 volts
BUC Output Power Level	N/A dBm	BUC Phase Lock Loop	N/A
BUC Temperature	N/A degrees C	BUC Power Class	N/A watts
BUC Software Version	N/A		



## CDM-625: Comtech EF Data Modem :: Low Noise Block Down Converter

Home Admin Configuration Status ODU Redundancy Modem LAN Routing Managed Switch WAN Overhead Utilities D&I BUC LNB ANT MEO

### LNB Control

LNB DC Power	OFF
LNB Reference Enable	OFF
LNB Current Threshold Low	0 mA (0 to 500)
LNB Current Threshold High	500 mA (0 to 500)
RX LO Frequency	10000 MHz LOW (+)

Submit LNB Controls

### LNB Status (Refreshes every 5 seconds)

LNB Current	0 mA
LNB Voltage	00.0 volts

