

## NE Brasil

### Contatos:

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### Derrota

03/07/2017	Ativado em 3/7

### Equipamentos

Modem	109.233.41.208	8080 comtech	comtech
Controladora	109.233.41.208	8880 seatel	1234
Modem RAI	10.200.29.91	comtech	comtech
Modem SP	172.30.0.250		

### Telas de configuração

### Modem

Indium IBSU | Configuration

172.27.30.4/status.htm

CDM 025: Comtech ET Data Modem :: Modem Status

Home Admin Configuration Status ODU Redundancy

Modem Status Modem Logs Modem Info Traffic Statistics

Alarms		RX Parameters	
Unit:	None	BER:	0.0E-9
Tx:	None	Eb/No:	12.4 dB
Rx:	None	Freq Offset:	+008.9 kHz
Open Network:	None	Signal Level:	-52.2 dBm
BUC:	None	Buffer Fill State:	50 %
LNB:	None		
AUPC		CnC	
Remote Eb/No:	EDMAC Disabled	Delay:	CnC Disabled
Tx Power Level Increase:	AUPC Disabled	Offset:	CnC Disabled
		Power Ratio:	CnC Disabled
		PSDR:	CnC Disabled
ACM		General Status	
Tx ModCod:	Not in IP-ACM	Redundancy:	Online
Rx ModCod:	Not in IP-ACM	Temperature:	+23 °C
Remote SNR:	Not in IP-ACM	Events Log, Unread Lines:	215
Fractional CnC Counters			
1-year Operational Counter:	Fractional CnC Uninstalled seconds		
90-day CnC usage Counter:	Fractional CnC Uninstalled seconds		

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Indium IBSU | Configuration

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Interface / Framing

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

Tx Interface Type V35 Rx Interface Type V35

Tx Framing Mode Unframed 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		Receive	
FEC Type	LDPC	FEC Type	LDPC
Modulation Type	8PSK	Demodulation Type	8PSK
FEC Code Rate	2/3	FEC Code Rate	3/4
Data Rate	00512.000 kbps (Synchronous)	Data Rate	01024.000 kbps (Synchronous)
Symbol Rate	00256.000 ksp	Symbol Rate	00456.111 ksp
Frequency	01142.5240 MHz	Frequency	01142.0796 MHz
Spectrum	Normal	Spectrum	Normal
Scrambler	On (Normal)	De-Scrambler	On (Normal)
Power Level	25.0 dBm (minus sign assumed)	Sweep Width	32 kHz (+/-)
Reed-Solomon Encoding	Normal	Reed-Solomon Decoding	Normal
Data Invert	Normal	Data Invert	Normal
Clock Invert	Normal	Clock Invert	Normal
Ternary Code	B8ZS	Ternary Code	B8ZS
Carrier	ON	Eb/No Alarm Pt	00.1 dB
POCO	Disabled (Use with caution)	Receive Equalizer	Disabled
Sub-Mux	Off	Sub-Mux	Off
Sub-Mux Ratio	1/9 (IP/Synchronous Data)	Sub-Mux Ratio	1/9 (IP/Synchronous Data)

Indium IBSU | Configuration

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Receive

FEC Type	LDPC	FEC Type	LDPC
Demodulation Type	8PSK	Demodulation Type	8PSK
FEC Code Rate	3/4	FEC Code Rate	3/4
Data Rate	01024.000 kbps (Synchronous)	Data Rate	01024.000 kbps (Synchronous)
Symbol Rate	00456.111 ksp	Symbol Rate	00456.111 ksp

Frequency <input type="text" value="1142.5240"/> MHz Spectrum <input type="text" value="Normal"/> Scrambler <input type="text" value="On (Normal)"/> Power Level <input type="text" value="25.0"/> dBm (minus sign assumed) Reed-Solomon Encoding <input type="text" value="Normal"/> Data Invert <input type="text" value="Normal"/> Clock Invert <input type="text" value="Normal"/> Ternary Code <input type="text" value="B8ZS"/> Carrier <input type="text" value="ON"/> POCO <input type="text" value="Disabled"/> (Use with caution) Sub-Mux <input type="text" value="Off"/> Sub-Mux Ratio <input type="text" value="1/9"/> (IP/Synchronous Data) Tx Filter Rolloff Factor <input type="text" value="0.25"/>	Frequency <input type="text" value="1142.0796"/> MHz Spectrum <input type="text" value="Normal"/> De-Scrambler <input type="text" value="On (Normal)"/> Sweep Width <input type="text" value="32"/> kHz (+/-) Reed-Solomon Decoding <input type="text" value="Normal"/> Data Invert <input type="text" value="Normal"/> Clock Invert <input type="text" value="Normal"/> Ternary Code <input type="text" value="B8ZS"/> Eb/No Alarm Pt <input type="text" value="00.1"/> dB Receive Equalizer <input type="text" value="Disabled"/> Sub-Mux <input type="text" value="Off"/> Sub-Mux Ratio <input type="text" value="1/9"/> (IP/Synchronous Data)
<input type="button" value="Submit"/>	
<b>Carrier-in-Carrier (CnC)</b> Mode <input type="text" value="Off"/> Search Delay Range <input type="text" value="N/A"/> ms (min/max) Freq Offset Range <input type="text" value="N/A"/> kHz (+/-) PMSI mode <input type="text" value="Idle"/> <input type="button" value="Submit"/>	<b>ACM</b> Minimum ModCod <input type="text" value="ModCod 0 - BPSK 0.498"/> Maximum ModCod <input type="text" value="ModCod 11 - 16-QAM 0.853"/> When distant-end demod loses lock <input type="text" value="Go to min Tx ModCod"/> Target Eb/No Margin <input type="text" value="1.0"/> dB <input type="button" value="Submit"/>

Iridium IBSU | Configuration | DAC Remote Web Status | Block UpLink Converter

172.27.30.4/buc.htm

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**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

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

BUC Power Enable   
BUC 10 MHz Ref Enable   
BUC Output Power Enable   
BUC Low Current Limit  mA (0 to 4000)  
BUC High Current Limit  mA (0 to 4000)  
TX LO Frequency  MHz  
BUC Address  (1 to 15)

**BUC Status (Refreshes every 10 seconds)**

BUC Current  mA  
BUC Output Power Level  dBm  
BUC Temperature  degrees C  
BUC Software Version   
BUC Voltage  volts  
BUC Phase Lock Loop   
BUC Power Class  watts

Iridium IBSU | Configuration | DAC Remote Web Status | LNB Control

172.27.30.4/lnb.htm

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**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

**LNB Control**

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

**LNB Status (Refreshes every 5 seconds)**

LNB Current  mA  
LNB Voltage  volts

Iridium IBSU | Configuration | DAC Remote Web Status | LNB Control

172.27.30.4/lnb.htm

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**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

**LNB Control**

LNB DC Power   
LNB Reference Enable   
LNB Current Threshold Low  mA (0 to 500)

LNB Current Threshold High	500	mA (0 to 500)
RX LO Frequency	10750	MHz [LOW (-)]
<input type="button" value="Submit LNB Controls"/>		

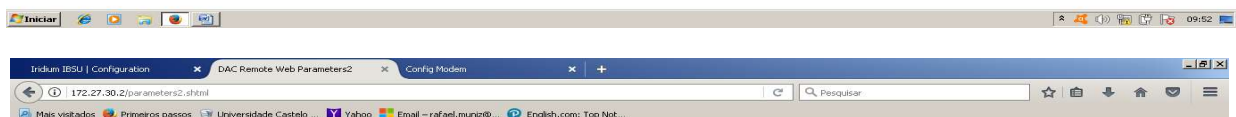
**LNB Status (Refreshes every 5 seconds)**

LNB Current	0	mA
LNB Voltage	13.3	volts



**DAC Parameters Page 1**

<b>Port Settings</b>	Elevation Trim : 0001	Azimuth Trim : 0000
<b>Parameters 1</b>	Elevaton Step Size : 000	Azimuth Step Size : 000
<b>Parameters 2</b>	AUTO threshold : 060	Sweep Increment : 047
<b>PCU Parameters</b>	Search Increment : 020	Step Integral : 000
<b>Favorites</b>	Search Limit : 100	Polang Type : 072
<b>Status</b>	Search Delay : 030	Polang Offset 24V : 040
<b>Home</b>	System Type : 007	Polang Scale 24V : 090
	<input type="checkbox"/> Modem Lock = HI	Gyro Type : 005
	<input type="checkbox"/> LNB voltage on	<input type="checkbox"/> SBS or NMEA gyro
	<input type="checkbox"/> Relative Display	
	<input type="checkbox"/> Block out = HI	
<b>System Features :</b>	<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 EBSCT	
<b>Tracking Display :</b>	130 = Xp/Cp Quad Band	
<input type="button" value="Reload"/>	Attention, "Save" will write all DAC parameters to FLASH.	
<input type="button" value="Save"/>	<input type="button" value="Submit"/>	



**DAC Parameters Page 2**

<b>Port Settings</b>	Satellite : 063.0 W	Az Limit 1 : 0000
<b>Parameters 1</b>	Frequency MHz : 1142	Az Limit 2 : 0000
<b>Parameters 2</b>	KHz : 0796	El Limit 12 : 000
<b>PCU Parameters</b>	Tone : OFF	Az Limit 3 : 0000
<b>Favorites</b>	Volt : HORZ 18V	Az Limit 4 : 0000
<b>Status</b>	FEC : SCPC	El Limit 34 : 000
<b>Home</b>	Sat Skew : 000	Az Limit 5 : 0000
	Target NID : 0000	Az Limit 6 : 0000
	Band : Xp B2	El Limit 56 : 000
	Tx Polarity : 004	
<input type="button" value="Reload"/>	Attention, "Save" will write all DAC parameters to FLASH	
<input type="button" value="Save"/>	<input type="button" value="Submit"/>	



**PCU Parameters**

<b>Port Settings</b>	Pedestal Type : 006	CL Loop Gain : 051
<b>Parameters 1</b>	LV Loop Gain : 051	AZ Loop Gain : 035
<b>Parameters 2</b>	CL Tilt Trim : 000	LV Tilt Trim : 000
<b>PCU Parameters</b>	Home Flag Trim : 000	Dishscan Setup : 022
<b>Favorites</b>	Scan Rate : 015	Error Flags : 000
<b>Status</b>	System ID : 010	
<b>Home</b>	Use the M&C Ports to change these values.	
<input type="button" value="Reload"/>		



