

Quick configuration Guide H-HDCOAX

NMS IP Address is 192.168.0.136

(The pc needs to be on the same subnet with the IP address
192.168.0.XX)

LOGIN / PASSWORD : admin/admin

Welcome Status Page

H-HDCOAX-8

to Web NMS Page

THOR BROADCAST

THOR BROADCAST

Status

HDMI Link Detect and channels Status page →

Version Information

CPU Version:	20.00.30
Web Version:	02.01.10
Running Time:	0 days-00:57:40

Product Information

Location:
Telephone:
Modulator Number:
Serial Number:

Encode & Modulate Information

●	1080i/80	CH 1 NAME: VAT-1	FREQUENCY: 219MHz CH:23	VCT: 23-1
●	1080i/80	CH 2 NAME: VAT-2	FREQUENCY: 225MHz CH:24	VCT: 24-1
●	1080i/80	CH 3 NAME: VAT-3	FREQUENCY: 231MHz CH:25	VCT: 25-1
●	1080i/80	CH 4 NAME: VAT-4	FREQUENCY: 237MHz CH:26	VCT: 26-1
●	1080i/80	CH 5 NAME: VAT-5	FREQUENCY: 243MHz CH:27	VCT: 27-1
●	1080i/80	CH 6 NAME: VAT-6	FREQUENCY: 249MHz CH:28	VCT: 28-1
●	1080i/80	CH 7 NAME: VAT-7	FREQUENCY: 255MHz CH:29	VCT: 29-1
●	1080i/80	CH 8 NAME: VAT-8	FREQUENCY: 261MHz CH:30	VCT: 30-1

Manual location: <https://thorbroadcast.com/manual>

VCT Virtual channel configuration

H-HDCOAX-8

Welcome to Web NMS Page

THOR BROADCAST

TS Config

Channel 1-8 Virtual channels configuration page

Channel 1 Channel 2 Channel 3 Channel 4 Channel 5 Channel 6 Channel 7 Channel 8

VCT

Major Channel:	<input type="text" value="23"/>	←	VCT Major / Minor channel number
Minor Channel:	<input type="text" value="1"/>	←	
Source ID:	<input type="text" value="101"/>		
Channel TSID:	<input type="text" value="101"/>		
Short Name:	<input type="text" value="VIDEO"/>		
VCT Type:	<input type="text" value="CVCT"/>	←	VCT Type, CVCT, TVCT
Modulation Mode:	<input type="text" value="SCTE_mode2"/>		

Summary

- Status

Parameters

- TS Config ←
- Encode
- Modulate

System

- Network
- Password
- Firmware
- Configuration

H-HDCOAX-8

Welcome

THOR BROADCAST

Encode

Channels 1-8

Channel 1 Channel 2 Channel 3 Channel 4 Channel 5 Channel 6 Channel 7 Channel 8

Video

Video Bit Rate:	<input type="text" value="10.000"/>	(2 - 20)Mbps	←	Encoding video bit rate
GOP :	<input type="text" value="16"/>	(1 - 60)	←	Latency in ms
Latency:	<input type="text" value="500"/>	(50 - 1000)	←	
CC Switch:	<input type="text" value="OFF"/>			

Audio

Audio format :	<input type="text" value="MPEG-1 Layer2"/>	←	Audi encoding format
----------------	--	---	----------------------

Program

Program Number:	<input type="text" value="48"/>		
Program Provider:	<input type="text" value="VIDEO"/>		
Program Name:	<input type="text" value="VAT-1"/>		
PMT PID:	<input type="text" value="0x0040"/>		
Video PID:	<input type="text" value="0x0041"/>		
PCR PID:	<input type="text" value="0x0042"/>		
Audio PID:	<input type="text" value="0x0043"/>		

Status

Input Video Format:	1080i60		
Encoding Status:	<input checked="" type="checkbox"/>	←	HDMI Signal detect / incoming video resolution
Board Soft Version:	02.02.54		
Build Version:	2.3.5.20		

Get Apply

Apply changes, Please save permanently in CONFIGURATION TAB

←

Modulation setting , ATSC / QAM / DVB-T, ISDBT The US, Canada, Mexico standard is ATSC for Air and DVB-C QAM 64/256 Annex B for CABLE modulation

Channels (frequencies) selection

Modulation standard selection ATSC, QAM, DVB-T, ISDB-T

Apply

RF power Attenuation

Channel	Freq	Level	RF Power
Channel 1	569MHz CH:30 (100 - 1000)MHz	-30 (-48 - -10)dBm	<input checked="" type="checkbox"/>
Channel 2	575MHz CH:31 (100 - 1000)MHz	-30 (-48 - -10)dBm	<input checked="" type="checkbox"/>
Channel 3	581MHz CH:32 (100 - 1000)MHz	-30 (-48 - -10)dBm	<input checked="" type="checkbox"/>
Channel 4	587MHz CH:33 (100 - 1000)MHz	-30 (-48 - -10)dBm	<input checked="" type="checkbox"/>
Channel 5	593MHz CH:34 (100 - 1000)MHz	-30 (-48 - -10)dBm	<input checked="" type="checkbox"/>
Channel 6	599MHz CH:35 (100 - 1000)MHz	-30 (-48 - -10)dBm	<input checked="" type="checkbox"/>
Channel 7	605MHz CH:36 (100 - 1000)MHz	-30 (-48 - -10)dBm	<input checked="" type="checkbox"/>
Channel 8	611MHz CH:37 (100 - 1000)MHz	-30 (-48 - -10)dBm	<input checked="" type="checkbox"/>

NMS Network configuration Tab

Network

NMS

IP Address: 192.168.0.136

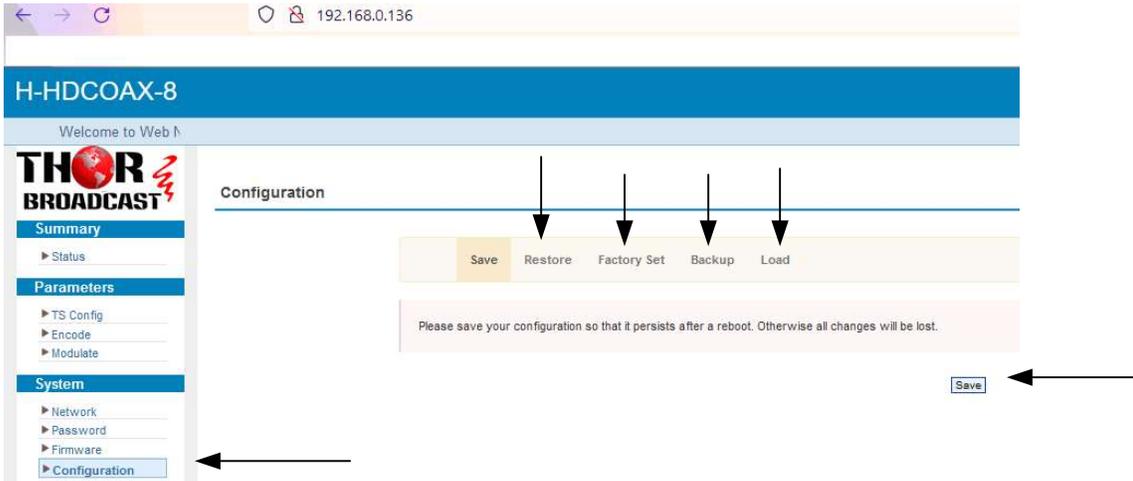
Subnet Mask: 255.255.255.0

Gateway: 192.168.0.1

MAC Address: 2A-30-82-1A-00-89

NMS IP address default IP is 192.168.0.136
In order to access it the PC Nic Card need to have IP address from the same subnet, so PC needs to be 192.168.0.XX
XX is 1 to 254 but not 136
Type 192.168.0.136 in the browser, login: User / password : admin / admin

Configuration page



Save – Needed for permanent Save configuration, (any change need be save

Backup – Backup configuration file on the PC

Load – Load configuration form file

Factory Set – Load Default setting

DVB-C QAM ANNEX B Frequency -channels chart

EIA CH.	MHz Center Frequency	EIA CH.	MHz Center Frequency	EIA CH.	MHz Center Frequency
2	57	42	333	87	603
3	63	43	339	88	609
4	69	44	345	89	615
5	79	45	351	90	621
6	85	46	357	91	627
95	93	47	363	92	633
96	99	48	369	93	639
97	105	49	375	94	645
98	111	50	381	100	651
99	117	51	387	101	657
14	123	52	393	102	663
15	129	53	399	103	669
16	135	54	405	104	675
17	141	55	411	105	681
18	147	56	417	106	687
19	153	57	423	107	693
20	159	58	429	108	699
21	165	59	435	109	705
22	171	60	441	110	711
7	177	61	447	111	717
8	183	62	453	112	723
9	189	63	459	113	729
10	195	64	465	114	735
11	201	65	471	115	741
12	207	66	477	116	747
13	213	67	483	117	753
23	219	68	489	118	759
24	225	69	495	119	765
25	231	70	501	120	771
26	237	71	507	121	777
27	243	72	513	122	783
28	249	73	519	123	789
29	255	74	525	124	795
30	261	75	531	125	801
31	267	76	537	126	807
32	273	77	543	127	813
33	279	78	549	128	819
34	285	79	555	129	825
35	291	80	561	130	831
36	297	81	567	131	837
37	303	82	573	132	843
38	309	83	579	133	849
39	315	84	585	134	855
40	321	85	591	135	861
41	327	86	597		

Manual location : <https://thorbroadcast.com/manual>

<https://thorbroadcast.com> / sales@thorfiber.com / 800-521-8467 Ext 2