

# Quick configuration Guide H-1SDI-QAM-IPLL

**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

The screenshot shows the 'Welcome Status Page' of the NMS Web Management interface. The page is divided into several sections: Summary, Parameters, System, Video, Audio, and Status. The left sidebar contains a navigation menu with 'Encoder 1' selected under the 'Parameters' section. The main content area displays configuration settings for 'Encoder 1'. The 'Video' section includes settings for Video Format (Mpeg2), Aspect Ratio (Auto), Video Bitrate (18.0 Mbps), H.264 Profile (Main Profile), Out Resolution (1920x1080\_60i), Field/Picture Encoding (Picture), Low Delay (Normal), and H.264 Level (Level 4). The 'Audio' section includes settings for Format (AC 3), Bitrate (192 Kbps), Dialog Normalization (-31 dB), and Audio Gain (100%). The 'Status' section shows Encoder Chip Version (1.2.3.211), Input Lock (green dot), Input Information (1280x720 59.94P), and Bitrate (18.768 Mbps). A green dot next to the Bitrate indicates that the encoding status is green. A bar chart shows the Bitrate (0.000Mbps) over time. The 'Apply' button is located at the bottom right of the page.

1 → Video Format: Mpeg2  
2 → Video Bitrate: 18.0 Mbps (1.0 ~ 19.5 Mbps)  
3 → Format: AC 3  
4 → Apply

Encoding status should be green

1. Video Format can be changed between MPEG2 or H.264
2. Video Bitrate should be changed to 18.0
3. Audio Format should be changed to AC3
4. Once configured click apply

# Modulator Setup

Web Management

THOR BROADCAST

Summary

Parameters

Encoder 1

Modulator

TS Config

Output Settings

System

Network

Password

Configuration

Firmware

Date | Time

Log

Modulator

Center Frequency: 65.000 MHz

Standard: J.83B

Level(All Carriers): 6.0 dBm

Channel Info.(Alarm/Active/Total): 0/4/4

Frequency Mode: List

#	Frequency	Constellation	Symbol Rate	Status	Bit(Act/Max)
1	57 CH 2	256 QAM	5361 Ksps	●	14.7/38.8 M
2	63 CH 3	256 QAM	5361 Ksps	●	0.0/38.8 M
3	69 CH 4	256 QAM	5361 Ksps	●	0.0/38.8 M
4	79 CH 5	256 QAM	5361 Ksps	●	0.0/38.8 M

Channel 1 Config. [ close ]

Standard: J.83B

Level(CH Carriers): 0.0 (-20 ~ +3 dBm)

Channel Enable:

Frequency: 57 CH 2

Constellation: 256 QAM

Symbol Rate: 5361 (3000 ~ 9000 Ksps)

Apply Close

1. Press the pencil icon to bring up the pop up page to set channel modulation standard & RF level
2. Set modulation standard to J.83B (US Standard) or J.83A (Europe Standard)
3. Set required channel 2-135 from the list
4. Press apply

TS Config – is a place where you can set video stream form inputs to the desired RF outputs

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THOR BROADCAST

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TS Config

Output TS 1-4

Stream Select

General

Not Locked Locked

Encoder 1 (prog: 1/1) [14.7/17.1M]

[101] TV-101

CA Filter

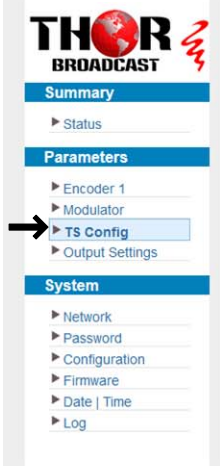
PID Remap

Refresh Input

Refresh Output

Parse program time out: 60 seconds

1. Click Output TS 1-4 it corresponds with CATV output RF 1-4
2. Click the plus sign to expand the encoder channel options
3. Check the box next to the desired source
4. Press the ==> button to move TS from Input to the output



TS Config

Output TS 1- Stream Select **General** ← 1

**Stream**

Character Encoding:  SDT Insert:

**NIT**

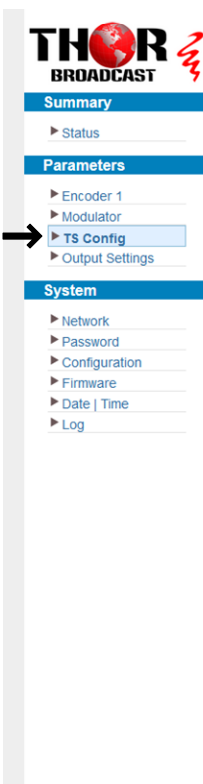
NIT Insert:

**VCT**

2 → VCT Insert:  Modulation Mode:   
 VCT Mode:  Carrier Frequency:  (30-1000MHz)

3 →

1. Click the general tab
2. Check the VCT insert check box
3. Press apply



TS Config

Output TS 1 → Stream Select General

Not Locked Locked

Encoder 1 (prog: 1/1) [14.7/17.1M]

1 → TV-101

CA Filter  PID Remap

Refresh Input Refresh Output

All Input All Output

Parse program time out: 60 seconds

Normal Overflow

Output (prog: 1) [14.7/38.8M]

2 → TV-101 <-CH1\_Encoder 1 [101]

**Program Information** [close]

Program From Input: CH1\_Encoder 1 [101]

Service Name:

SUB-CHANNEL NUMBER:

3 → Major Channel Number:

4 → Minor Channel Number:

Source Id:

Short Name:

Logic Channel Number:

Service Type:

Service Provider:

PMT PID:

PCR PID:

MPEG-2 Video PID:

MPEG-2 Audio PID:

5 →

1. Click Steam Select tab to go back to the previous screen
2. Click the number "1" - Drop box will open – program information
3. Change major channel number to your preference
4. Change minor channel number to your preference
5. Click apply

## IP Output Settings

Output Settings

IP Stream(GE\_DATA)

Channel Info.(Alarm/Active/Total): 0/1/6

#	IP Address	Port	Protocol	Pkt Length	Null PKT Filter	Program	Status	Bit(Act/Max)	
MPTS 1	224.2.2.2	2001	UDP	7	<input type="checkbox"/>		<span style="color: green;">●</span>	14.7/38.8 M	
MPTS 2	224.2.2.2	2002	UDP	7	<input type="checkbox"/>		<span style="color: grey;">●</span>	0.0/38.8 M	
MPTS 3	224.2.2.2	2003	UDP	7	<input type="checkbox"/>		<span style="color: grey;">●</span>	0.0/38.8 M	
MPTS 4	224.2.2.2	2004	UDP	7	<input type="checkbox"/>		<span style="color: grey;">●</span>	0.0/38.8 M	
SPTS 1	224.2.2.2	3001	UDP	7	<input type="checkbox"/>	NULL	<span style="color: grey;">●</span>	0.0/20.0 M	
SPTS 2	224.2.2.2	3002	UDP	7	<input type="checkbox"/>	NULL	<span style="color: grey;">●</span>	0.0/20.0 M	

Channel 1 Config. [ close ]

2 → Enable:

IP Address:

Port:

Protocol:

Pkt Length:

Null PKT Filter:

3 →

1. Click the pencil icon for MPTS 1 section. Drop box will open to configure channel 1
2. Enable and edit your IP preferences
3. Press apply

## Configuration

use Web Management 2022-12-01 14:42:37 [Exit]

Configuration

2 → Save Restore Factory Set Backup Load

When you change the parameter you should save configuration, otherwise the new configuration will lost after reboot.

Save config ← 3

1. Click the configuration tab on the left hand side
2. Click the save tab
3. Press save config – **YOU MUST SAVE OR ALL CHANGES WILL BE LOST AFTER RESTART!**