

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

come to use Web Management

Summary

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Parameters

- ▶ **Encoder 1**
- ▶ Modulator
- ▶ TS Config
- ▶ Output Settings

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Video

1 → Video Format:

2 → Aspect Ratio: Field/Picture Encoding:

Video Bitrate: Mbps (1.0 ~ 19.5 Mbps) Low Delay:

H.264 Profile: H.264 Level:

Out Resolution: Auto ☒

Audio

3 → Format: Dialog Normalization: (-31 ~ -1 dB)

Bitrate: Audio Gain: (0 ~ 400%)

Status

Encoder Chip Version: 1.2.3.211 Input Lock: ☒ ← Encoding status should be green

Input Information: 1280x720 59.94P Bitrate:

Bitrate: 0.000Mbps

20.000M
18.000M
16.000M
14.000M
12.000M
10.000M
8.000M
6.000M
4.000M
2.000M
0.000M

4 →

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

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Modulator

Center Frequency: 68.000 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

welcome to use Web Mar

THOR BROADCAST

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TS Config

1 → Output TS 1 Stream Select General

2 → Not Locked → Locked

3 → 1: Encoder 1 (prog: 1/1) [14.7/17.1M]

1: ☒ [101] TV-101

4 → CA Filter

PID Remap

Refresh Input

Refresh Output

==>

<==

All Input

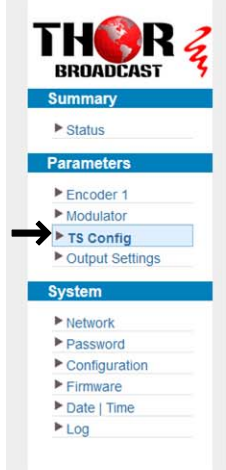
All Output

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

Virtual Channel Tables Set Up



TS Config

Output TS 1 ▾ Stream Select General ← 1

Stream

Character Encoding: SDT Insert: ☒

NIT

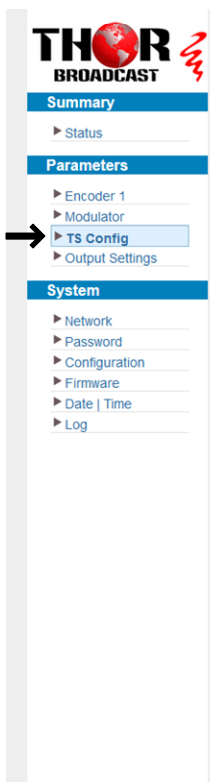
NIT Insert:

VCT

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 → 1 [101] 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]

TV-101 ↔ CH1_Encoder 1 [101]

2 ↑

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




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Output Settings

IP Stream(GE_DATA)

Channel Info.(Alarm/Active/Total): 0/1/5

#	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"/>		●	14.7/38.8 M	
MPTS 2	224.2.2.2	2002	UDP	7	<input type="checkbox"/>		●	0.0/38.8 M	
MPTS 3	224.2.2.2	2003	UDP	7	<input type="checkbox"/>		●	0.0/38.8 M	
MPTS 4	224.2.2.2	2004	UDP	7	<input type="checkbox"/>		●	0.0/38.8 M	
SPTS 1	224.2.2.2	3001	UDP	7	<input type="checkbox"/>	NULL	●	0.0/20.0 M	
SPTS 2	224.2.2.2	3002	UDP	7	<input type="checkbox"/>	NULL	●	0.0/20.0 M	

Channel 1 Config.

[close]

2 →

Enable: ☒

IP Address:

Port:

Protocol:

Pkt Length:

Null PKT Filter: ☐

3 →

Apply Close

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]



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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!**