

# 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**

- ▶ Status

**Parameters**

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

**System**

- ▶ Network
- ▶ Password
- ▶ Configuration
- ▶ Firmware
- ▶ Date | Time
- ▶ Log

**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  | ✎ ← 1 |
| 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 ← 2  
Level(CH Carriers): 0.0 (-20 ~ +3 dBm)  
Channel Enable: ☒  
Frequency: 57 CH 2 ← 3  
Constellation: 256 QAM  
Symbol Rate: 5361 (3000 ~ 9000 Ksps)  
4 → 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 1-4    Stream Select    General

2 →

3

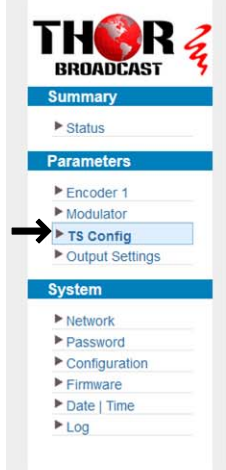
4 →

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**

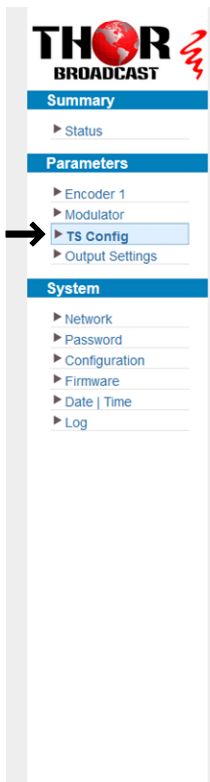
NIT Insert:

**VCT**

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 → 1 [101] TV-101

CA Filter ☒ PID Remap ☒

Refresh Input Refresh Output

↑ 2

Normal → Overflow

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

1 → 1 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): 0/1/5

| #      | 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"/> |         | <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 →

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

← 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!**