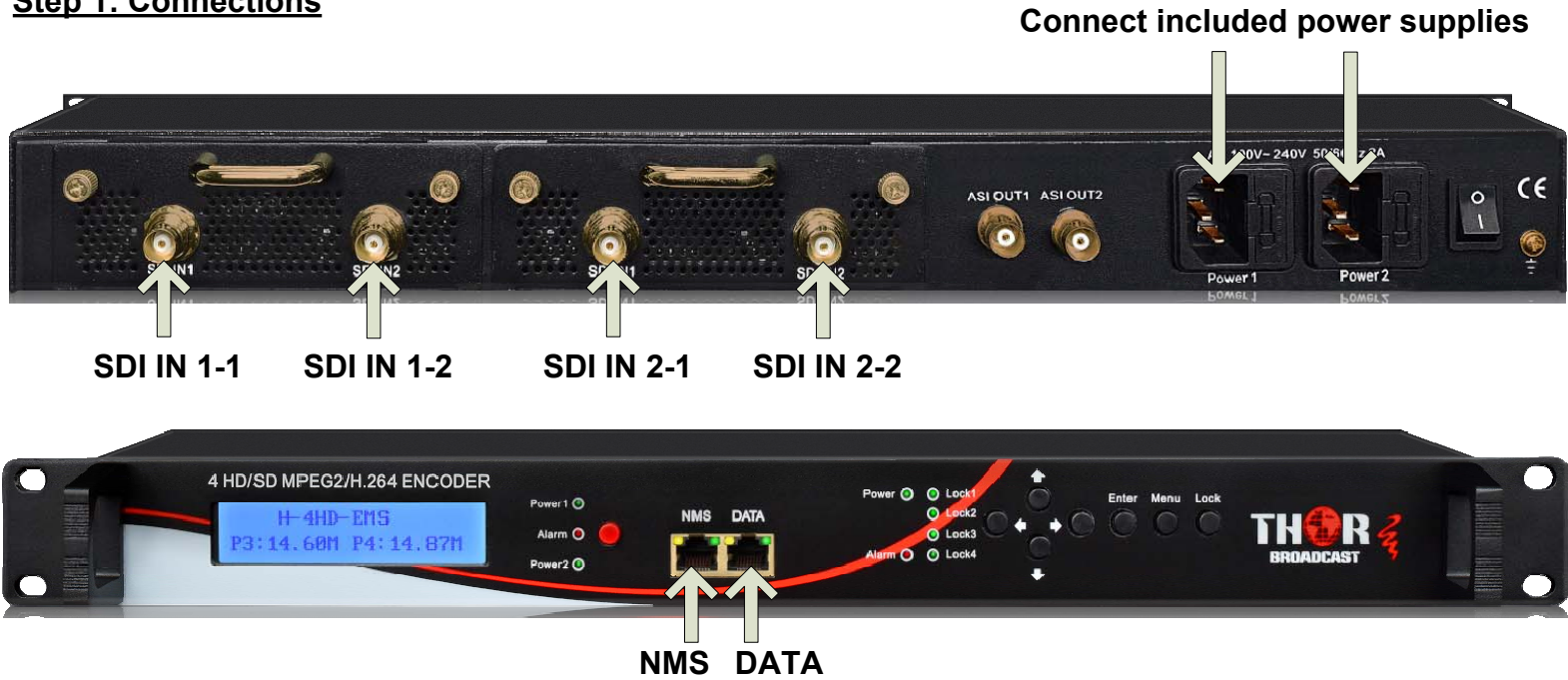


# H-4HD-EMS

## Quick Setup Guide

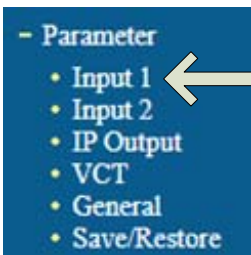
### Step 1: Connections



### Step 2: Login

- Connect the NMS port to your PC using an ethernet cable
- Open web browser and go to <http://192.168.0.136>
- Login/Password: admin/admin

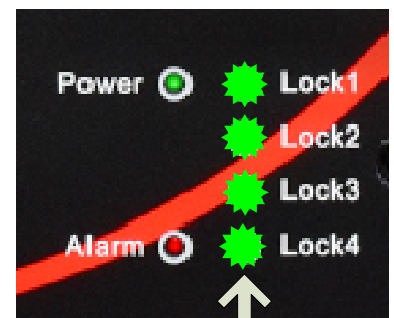
### Step 3: Inputs



Select "Input 1" from the main menu

Video and Encoder indicators must show GREEN

Video:	<span style="color: green;">●</span>	<span style="color: green;">●</span>
Video Format:	1920x1080 59.94p	1920x1080 59.94p
Encoding:	<span style="color: green;">●</span>	<span style="color: green;">●</span>
Bitrate:	14.669 Mbps	14.675 Mbps
Rom Version:	9.1.3.211	9.1.3.211



Lock Lights 1-4 on the front panel of the unit indicate that inputs are properly connected and encoding

### Step 3: Inputs (Continued)

#### 2CH Mpeg2/H.264 HD Encoder Configuration (EN14)

Video Format	Mpeg2	Mpeg2
Aspect Ratio	16:9	16:9
Field/Picture Encoding	Picture	Picture
Low delay	Normal	Normal
Video Cach Bypass	Bypass Disable	Bypass Disable
CC Switch	EIA 708	EIA 708
Video BitRate(Mbps)	14.000	14.000
GOP Bframe(<=3)	2	2
Gop Pframe(<=6)	4	4
H.264 Profile	Main Profile	Main Profile
H.264 Level	Level 3.1	Level 3.1
Auto Config	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Resolution	1920*1080_50i	1920*1080_50i
Audio Format	AC 3	AC 3
Dialog Normalization	-31 (-31 - -1)dB	-31 (-31 - -1)dB
Audio Delay	0 (-1000-1000)ms	0 (-1000-1000)ms
PCR Interval	20 (1-500)ms	20 (1-500)ms
Audio BitRate	192 Kbps	192 Kbps
Audio Gain(0-400%)	100	100
Program Out Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Broadcast	Off	Off
Service Provider	TV-Provider	TV-Provider
Program Name	TV-101	TV-102
Service ID	0x101	0x102
PMT PID	0x100	0x104
Video PID	0x101	0x105
Audio PID	0x102	0x106
PCR PID	0x103	0x107

**Default Settings:**  
Video Format: Mpeg2  
Video Cache Bypass: Disable  
CC Switch: EIA 708  
Video Bitrate: 12-18 Mbps  
Audio Format: AC3

Check box to enable  
Program Out

Click "Apply" to save changes 

**Repeat these steps as needed for Input 2**

### Step 4: IP Output

- Parameter

- Input 1
- Input 2
- IP Output
- VCT
- General
- Save/Restore

Select "IP Output" from the main menu

**IMPORTANT:**

TO ACCESS STREAMS, CONNECT DEVICES TO THE DATA PORT USING AN ETHERNET CABLE

Check boxes to Enable IP Outputs

IP Output Enable(MABCD):

Filter Null Pkt(MABCD):

MPTS : 224.2.2.2 Port: 2234 Protocol: UDP TTL: 128

SPTS A: 224.2.2.2 Port: 2236 Protocol: UDP TTL: 128 Bitrate: 16.000 (Mbps)

SPTS B: 224.2.2.2 Port: 2238 Protocol: UDP TTL: 128 Bitrate: 16.000 (Mbps)

SPTS C: 224.2.2.2 Port: 2240 Protocol: UDP TTL: 128 Bitrate: 16.000 (Mbps)

SPTS D: 224.2.2.2 Port: 2242 Protocol: UDP TTL: 128 Bitrate: 16.000 (Mbps)

Service IP: 192.168.2.137

Subnet Mask: 255.255.255.0

Gateway: 192.168.2.1

Default Apply Click "Apply"

Connect to the stream using the appropriate IP and Port Number

Example:  
udp://@224.2.2.2:2236

**IMPORTANT:**

YOU MUST SAVE CONFIGURATION OR CHANGES WILL BE LOST AFTER RESTARTING THE UNIT

### Step 5: Save Configuration

- General
- Save/Restore
- System

Select "Save/Restore" from the main menu

Scan for more info:



#### Save Configuration

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

Save config

Click "Save config"

**H-4HD-EMS**

Quick Setup Guide



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