

#### H-4SDI-ATSC-IP-LL

#### **Quick Setup Guide**

\*This guide also applies to H-2SDI-ATSC-IP-LL and H-1SDI-ATSC-IP-LL

#### **Step 1: CONNECT AND LOGIN**

**Connect power cable** 



Connect SDI Inputs 1 through 4



- Open web browser and go to http://192.168.0.136
- Login/Password: admin/admin

Connect the NMS port to your PC using an ethernet cable

#### Step 2: SELECT "Encoder 1" FROM MAIN MENU

# Parameters ▶ Encoder 1 ▶ Encoder 2 ▶ Modulator ▶ TS Config ▶ Output Settings

#### Recommended Settings:

Video Format: MPEG2

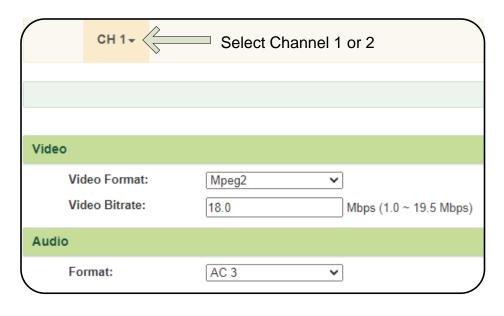
Video Bitrate: 18.0Audio Format: AC3

## IMPORTANT: INPUT LOCK MUST BE GREEN & SHOWING BITRATE INFORMATION

Input Lock:

Bitrate:

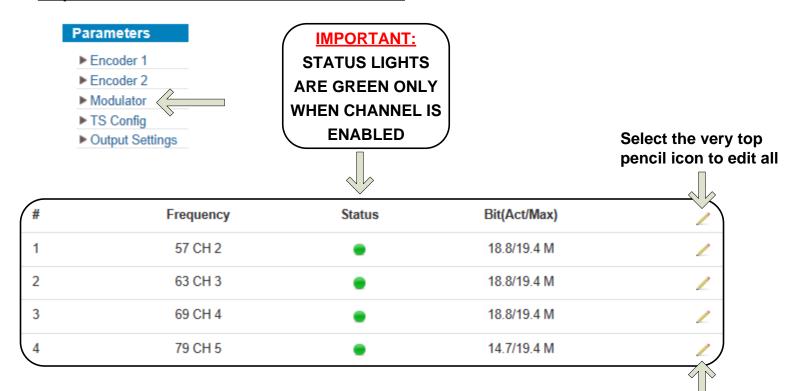




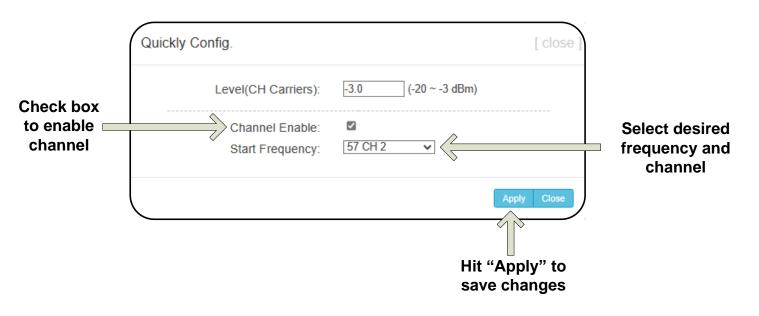
Click "Apply" to save changes Apply

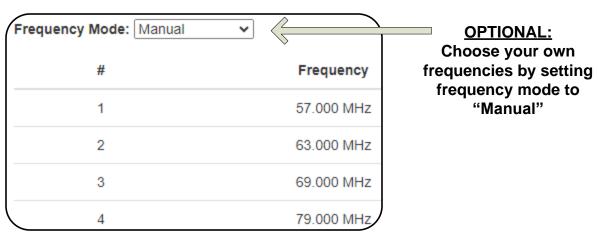
#### **REPEAT THESE STEPS AS NEEDED FOR ENCODER 2**

#### Step 3: SELECT "Modulator" FROM MAIN MENU

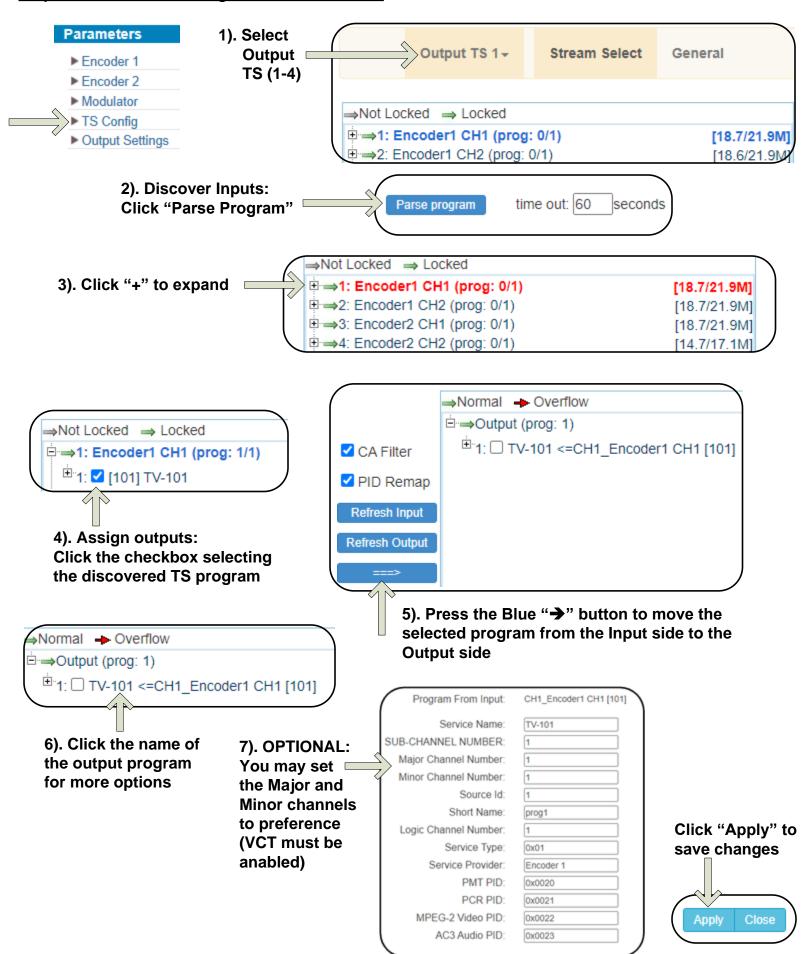


Select the pencil icon on the same line to edit individually

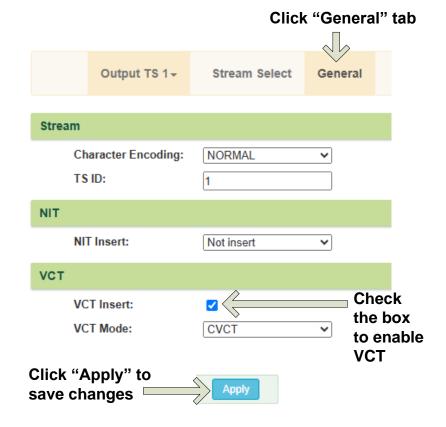




Step 4: SELECT "TS Config" FROM MAIN MENU



#### **Step 5: TS Config (Virtual Channel Table)**



## If VCT is ENABLED:

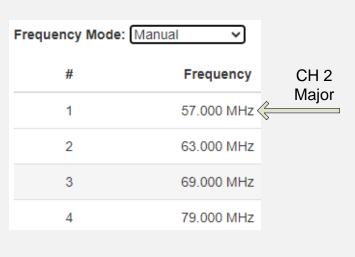
The virtual channel numbers will override the physical channel number. The TV will display the values set in the Program Information settings as the major channel number / minor channel number

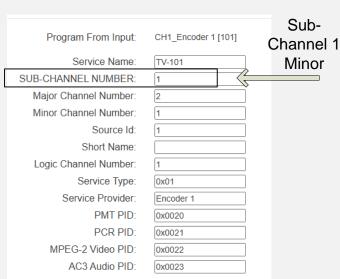
Service Name:	TV-101
SUB-CHANNEL NUMBER:	1
Major Channel Number:	2
Minor Channel Number:	1
Source Id:	1
Short Name:	
Logic Channel Number:	1
Service Type:	0x01
Service Provider:	Encoder 1
PMT PID:	0x0020
PCR PID:	0x0021
MPEG-2 Video PID:	0x0022
AC3 Audio PID:	0x0023
7.507 Iddio 1 15.	0.10020

TV will display VCT channel 2-1

#### If VCT is DISABLED:

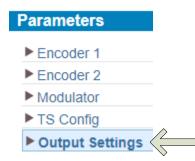
The TV will display the physical channel number according to the modulator frequency. For example, 57 MHz (Channel 2) will show as the major channel number, and the Sub-channel Number will be shown as the minor channel number.





TV will display physical channel 2-1

#### Step 6: IP Preferences



#### **IMPORTANT:**

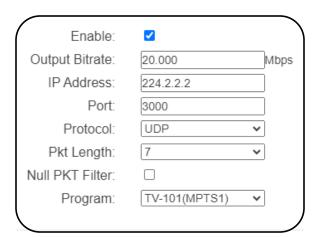
TO ACCESS STREAMS, CONNECT DEVICES TO THE DATA PORT USING AN ETHERNET CABLE

Select "Output Settings" from the main menu



Click the pencil icon to edit

### From the popup window, you can enable and edit your IP preferences





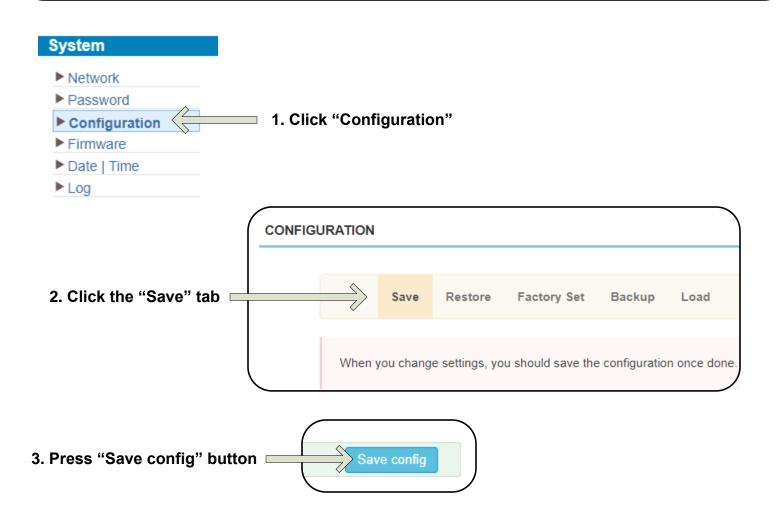
**Connect to the stream using the appropriate IP and Port Number** 

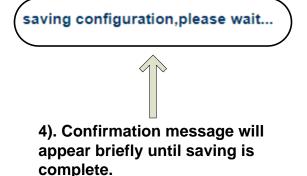
Example: udp://@224.2.2.2:3000

#### **Step 7: SAVE SETTINGS**

#### **IMPORTANT:**

## YOU MUST SAVE CONFIGURATION OR ALL CHANGES WILL BE LOST AFTER RESTART!







ATSC - US Television Channels (MHz)						
Channel	MHz Center Frequency	Channel	MHz Center Frequency	Channel	MHz Center Frequency	
2	57	27	551	52	701	
3	63	28	557	53	707	
4	69	29	563	54	713	
5	79	30	569	55	719	
6	85	31	575	56	725	
7	177	32	581	57	731	
8	183	33	587	58	737	
9	189	34	593	59	743	
10	195	35	599	60	749	
11	201	36	605	61	755	
12	207	37	611	62	761	
13	213	38	617	63	767	
14	473	39	623	64	773	
15	479	40	629	65	779	
16	485	41	635	66	785	
17	491	42	641	67	791	
18	497	43	647	68	797	
19	503	44	653	69	803	
20	509	45	659			
21	515	46	665			
22	521	47	671			
23	527	48	677			
24	533	49	683			
25	539	50	689			
26	545	51	695			

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