

H-4SDI-ATSC-IP-LL

Quick Setup Guide

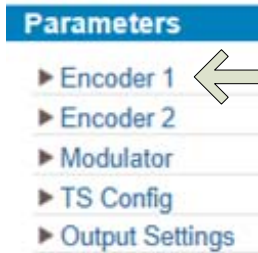
Step 1: CONNECT AND LOGIN

Connect power cable



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

Step 2: SELECT "Encoder 1" FROM MAIN MENU

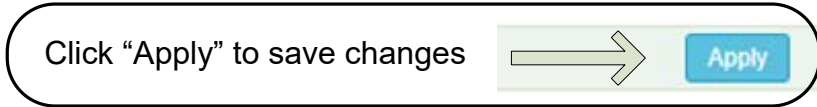
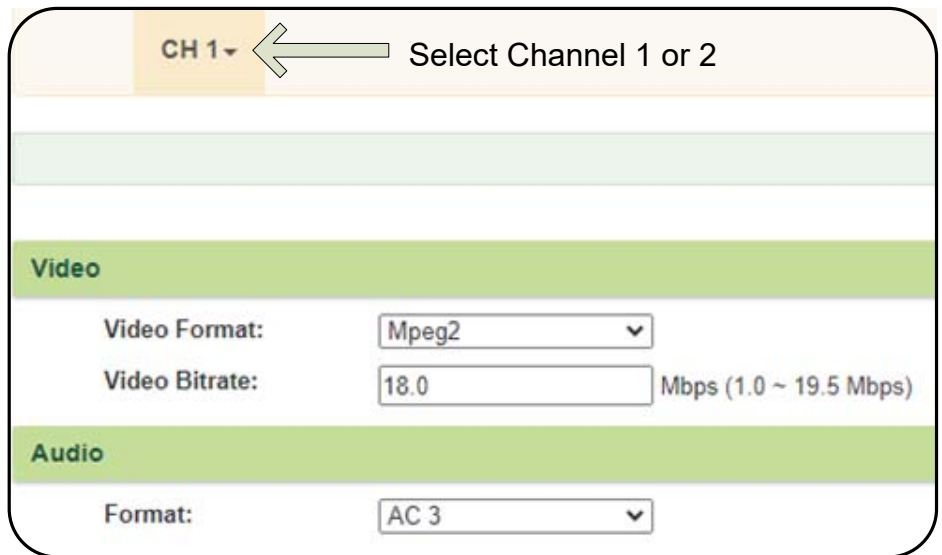


Recommended Settings:

- Video Format: MPEG2
- Video Bitrate: 18.0
- Audio Format: AC3

IMPORTANT:

INPUT LOCK MUST BE GREEN & SHOWING BITRATE INFORMATION



REPEAT THESE STEPS AS NEEDED FOR ENCODER 2

Step 3: SELECT "Modulator" FROM MAIN MENU

Parameters

- ▶ Encoder 1
- ▶ Encoder 2
- ▶ Modulator ←
- ▶ TS Config
- ▶ Output Settings

IMPORTANT:
STATUS LIGHTS
ARE GREEN ONLY
WHEN CHANNEL IS
ENABLED

Select the very top
pencil icon to edit all

#	Frequency	Status	Bit(Act/Max)	
1	57 CH 2	●	18.8/19.4 M	
2	63 CH 3	●	18.8/19.4 M	
3	69 CH 4	●	18.8/19.4 M	
4	79 CH 5	●	14.7/19.4 M	

Select the pencil icon on the
same line to edit individually

Check box
to enable
channel

Quickly Config. [close]

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

Channel Enable:

Start Frequency:

Select desired
frequency and
channel

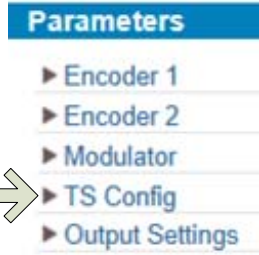
Hit "Apply" to
save changes

Frequency Mode:

#	Frequency
1	57.000 MHz
2	63.000 MHz
3	69.000 MHz
4	79.000 MHz

OPTIONAL:
Choose your own
frequencies by setting
frequency mode to
"Manual"

Step 4: SELECT "TS Config" FROM MAIN MENU



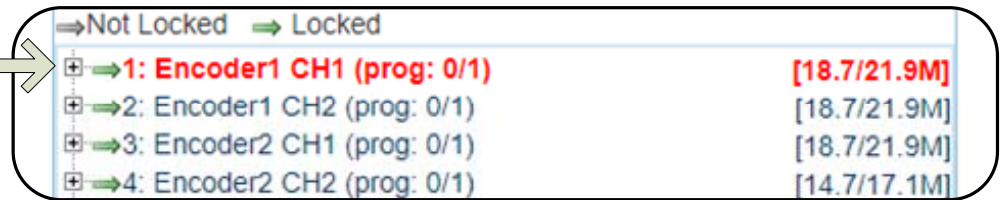
1). Select Output TS (1-4)



2). Discover Inputs:
Click "Parse Program"



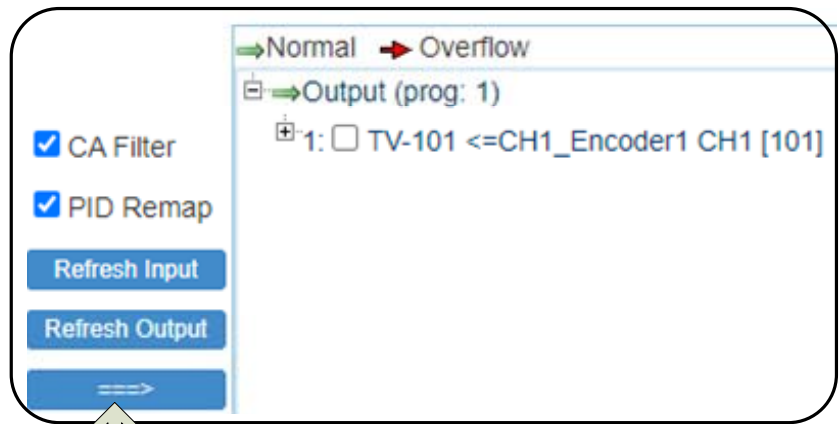
3). Click "+" to expand



4). Assign outputs:
Click the checkbox selecting the discovered TS program

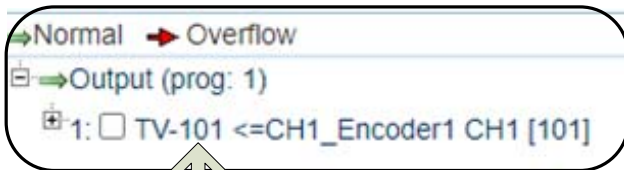


5). Press the Blue "➔" button to move the selected program from the Input side to the Output side



6). Click the name of the output program for more options

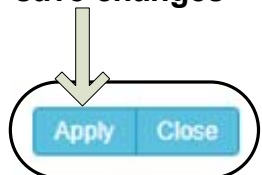
7). OPTIONAL:
You may set the Major and Minor channels to your preference



Program From Input: CH1_Encoder1 CH1 [101]

Service Name:	TV-101
SUB-CHANNEL NUMBER:	1001
Major Channel Number:	1
Minor Channel Number:	1
Source Id:	1
Short Name:	prog1
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

Click "Apply" to save changes



REPEAT THE ABOVE STEPS AS NEEDED TO CONTINUE ADDING MORE PROGRAMS

Enable VCT Insert (optional)

Click "General"

Check Box to enable VCT Insert

Step 5: IP Preferences

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

Select "Output Settings" from the main menu

SPTS 1	224.2.2.2	3000	UDP	7	<input type="checkbox"/>	TV-101(MPTS1)	●	18.8/20.0 M	
SPTS 2	224.2.2.2	3002	UDP	7	<input type="checkbox"/>	TV-102(MPTS2)	●	18.8/20.0 M	
SPTS 3	224.2.2.2	3004	UDP	7	<input type="checkbox"/>	TV-201(MPTS3)	●	18.8/20.0 M	
SPTS 4	224.2.2.2	3006	UDP	7	<input type="checkbox"/>	TV-202(MPTS4)	●	14.7/20.0 M	

Click the pencil icon to edit

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

Enable:

Output Bitrate: Mbps

IP Address:

Port:

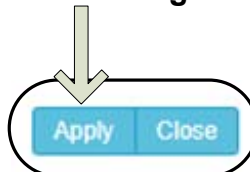
Protocol:

Pkt Length:

Null PKT Filter:

Program:

Click "Apply" to save changes



Connect to the stream using the appropriate IP and Port Number

Example:
`udp://@224.2.2.2:3000`

Step 6: SAVE SETTINGS

IMPORTANT:

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

System

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

1. Click "Configuration"

2. Click the "Save" tab

CONFIGURATION

Save Restore Factory Set Backup Load

When you change settings, you should save the configuration once done.

3. Press "Save config" button

Save config

saving configuration, please wait...

4). Confirmation message will appear briefly until saving is complete.

Scan for more info:



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	863	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		