

H-IRD-V3-ATSC-2

Quick Setup Guide

Step 1: Connect Power



Step 2: Login to NMS

- 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: Configure Tuners

Parameters

- ▶ Tuner
- ▶ Setting
- ▶ Decoder

1). Select "Tuner" from the main menu

2). Click "Edit" button

#	Tuner	TS Lock	Signal	Parameters	Action
1	ATSC1	18.753 Mbps	Quality: 58% Strength: 85%	Frequency: 63.000 M	Edit
2	ATSC2	18.753 Mbps	Quality: 58% Strength: 86%	Frequency: 63.000 M	Edit

Frequency: MHz

3). Select Frequency (See Chart)

4). Click "Apply"

Repeat these steps as needed for units with additional tuners

Step 4: Setting

The screenshot shows the 'Setting' menu selected in the main menu. Below the menu, there are dropdowns for 'Output Mode' (MUX) and 'CI Card' (None). The interface is divided into two main panels. The left panel shows a list of programs: '1: Tuner 1 (prog: 1/1) [20.0/27.0M]', '[2] THOR FI [0.0/0.0M]', '2: Tuner 2 [0.0/0.0M]', '3: ASI 1 [0.0/0.0M]', and '4: ASI 2 [0.0/0.0M]'. A 'Parse program' button is at the bottom left. The right panel shows the output configuration for 'Normal' and 'Overflow'. Under 'Normal', there are options for 'MPTS Output(Mux)', 'CAM-A (prog: 0) [0.0M]', 'CAM-B (prog: 0) [0.0M]', 'BISS (prog: 0) [0.0M]', and 'Other (prog: 1) [19.2M]'. A sub-option '1: [] THOR FI <=Tuner 1 [2]' is visible under 'Other'. A 'Parse program' button is at the bottom left of the right panel. A 'time out: 60 seconds' field is at the bottom center. Numbered callouts 1 through 4 indicate the steps: 1 points to the 'Parse program' button, 2 points to the checkbox for '[2] THOR FI', 3 points to the right arrow button, and 4 points to the 'THOR FI' sub-option.

- 1). Click "Parse Program"
- 2). Check the box for the discovered program
- 3). Click "→" button to move selected program to output
- 4). Click Program name for more program information

The screenshot shows a form for configuring a program. The form is titled 'Program From Input: Tuner 1 [2]'. It contains the following fields:

Service Name:	THOR FI
Short Name:	prog1
Major Channel Number:	1
Minor Channel Number:	1
Source Id:	1
Program Number:	4001
Logic Channel Number:	1
Service Type:	0x01
Service Provider:	
PMT Descriptor Tag:	<input type="checkbox"/> 0x00
PMT Descriptor Data:	(Hex)
PMT PID:	0x0020
PCR PID:	0x0021
MPEG-2 Video PID:	0x0022
AC3 Audio PID:	0x0023

An 'Apply' button is at the bottom right. A callout arrow points to the Major/Minor Channel Number fields with the text: 'Set desired Major/Minor Channel Numbers (Note: VCT must be enabled for this feature, please see "Step 6: Output")'. Another callout arrow points to the 'Apply' button with the text: 'Click "Apply"'

Step 5: Decoder

Parameters


▶ Tuner

▶ Setting

▶ **Decoder**

▶ Output

Select "Decoder" from the main menu

Video Format:	1080P@50	▼	
Program Select:	THOR FI	▼	Select desired program
Cutoff Output Mode:	Last Frame	▼	
Brightness:	50	(1-100)	
Saturation:	50	(1-100)	
Contrast:	50	(1-100)	
Audio1 Mode:	Stereo	▼	
Audio1 Select:	Track 1 - eng	▼	
Audio1 Volume:	100	(0-200)	
Audio2 Mode:	Stereo	▼	
Audio2 Select:	NULL	▼	
Audio2 Volume:	100	(0-200)	
CC 608:	Disable	▼	
CC 708:	Disable	▼	
AFD:	Disable	▼	
TeletextLine:	Disable	▼	
AC3 Pass:	Disable	▼	
Rom Version:	00.02.02.14		
Decoder Version:	08.29--08.29		
Decoder Status:			Status light must be GREEN

Apply

Click "Apply"

Step 6: Output

▶ Setting

▶ Decoder

▶ **Output**

Select "Output" from the main menu

Check box to enable VCT Insert

VCT

VCT Insert:

VCT Mode: Modulation Mode:

Carrier Frequency: (30-1000MHz)

Apply

Click "Apply"

#	Output Enable	IP Address	Port	Protocol	Null_PKT Filter	Program	Output Bitrate	Status	Bit(Act/Max)
MPTS	<input type="checkbox"/>	<input type="text" value="224.2.2.2"/>	<input type="text" value="12010"/>	<input type="text" value="UDP"/>	<input type="checkbox"/>				0.0/80.0 M
SPTS-1	<input checked="" type="checkbox"/>	<input type="text" value="224.2.2.2"/>	<input type="text" value="3002"/>	<input type="text" value="UDP"/>	<input type="checkbox"/>	<input type="text" value="THOR FI"/>	<input type="text" value="20"/>		10.9/20.0 M
SPTS-2	<input checked="" type="checkbox"/>	<input type="text" value="224.2.2.2"/>	<input type="text" value="3004"/>	<input type="text" value="UDP"/>	<input type="checkbox"/>	<input type="text" value="THOR FI"/>	<input type="text" value="20"/>		9.3/20.0 M
SPTS-3	<input checked="" type="checkbox"/>	<input type="text" value="224.2.2.2"/>	<input type="text" value="3006"/>	<input type="text" value="UDP"/>	<input type="checkbox"/>	<input type="text" value="THOR FI"/>	<input type="text" value="20"/>		9.3/20.0 M

Check boxes to enable SPTS outputs

Select desired program

Status light must be GREEN

Apply

Click "Apply"

IMPORTANT:

Streams must be accessed through the DATA port

ACCESS THE STREAM USING THE APPROPRIATE IP ADDRESS & PORT NUMBER:

**FOR EXAMPLE:
udp://@224.2.2.2:3002**

IMPORTANT:

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

System

▶ Network

▶ Password

▶ Configuration

▶ Firmware

▶ Date | Time

1. Click "Configuration"

CONFIGURATION

2. Click the "Save" tab



Save

Restore

Factory Set

Backup

Load

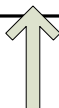
When you change settings, you should save the configuration once done.

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	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		