

H-IRD-V3-QAM

Quick Setup Guide

This guide also applies to model: H-IRD-V3-QAM2

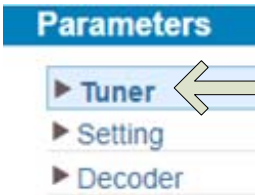
Step 1: Connect Power



Step 2: Login to NMS

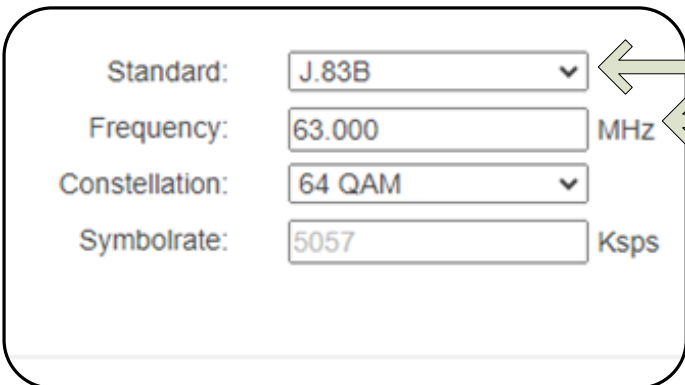
- Connect the NMS port to your PC using an ethernet cable
- Open web browser and go to <http://192.168.0.136>
- Login/Password: admin/admin

Step 3: Configure Tuners



1). Select "Tuner" from the main menu

2). Click "Edit" button



3). Select Modulation Standard

4). Select Frequency (See Chart)

5). Click "Apply"

Repeat these steps as needed for units with additional tuners

Step 4: Setting

▶ Tuner
▶ **Setting** ← Select "Setting" from the main menu
▶ Decoder
▶ Output

Output Mode: MUX CI Card: None

1: Tuner 1 (prog: 1/1) [20.0/27.0M]
2: Tuner 2 [0.0/0.0M]
3: ASI 1 [0.0/0.0M]
4: ASI 2 [0.0/0.0M]

CA Filter
PID Remap
Refresh Input
Refresh Output
CAM-A
CAM-B
BISS
Other
All Input
All Output

Normal → Overflow
MPTS Output(Mux) [19.2/80.0M]
CAM-A (prog: 0) [0.0M]
CAM-B (prog: 0) [0.0M]
BISS (prog: 0) [0.0M]
Other (prog: 1) [19.2M]
1: THOR FI <=Tuner 1 [2]

Parse program time out: 60 seconds

- 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

Program From Input: Tuner 1 [2]

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: 0x00
PMT Descriptor Data: (Hex)
PMT PID: 0x0020
PCR PID: 0x0021
MPEG-2 Video PID: 0x0022
AC3 Audio PID: 0x0023

Apply

Set desired Major/Minor Channel Numbers (Note: VCT must be enabled for this feature, please see "Step 6: Output")

Click "Apply"

Step 5: Decoder

Parameters


▶ Tuner

▶ Setting

▶ **Decoder**

▶ Output

Select "Decoder" from the main menu

Video Format:	1080P@50	▼
Program Select:	THOR FI	▼
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:	00.02.02.11	
Decoder Version:	08.29--08.12	
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:

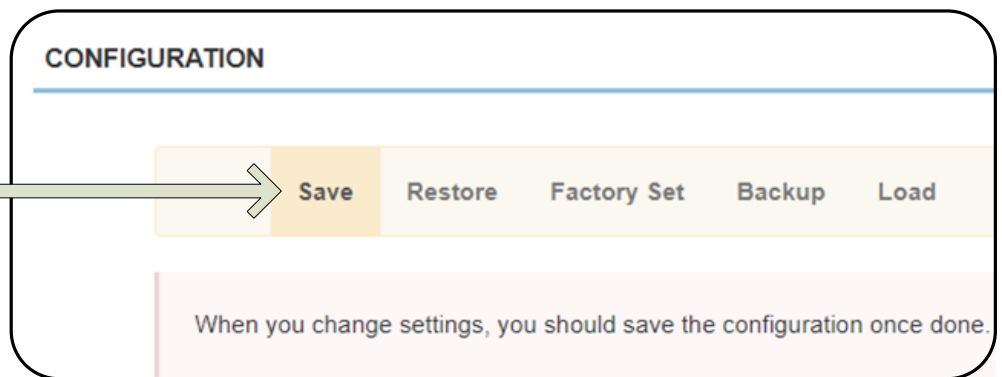
YOU MUST SAVE CONFIGURATION OR ALL CHANGES WILL BE LOST AFTER RESTART!

System

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

1. Click "Configuration"

2. Click the "Save" tab



3. Press "Save config" button



saving configuration, please wait...

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

Scan for more Info:



CATV QAM Channel Center Frequency - 54 MHz to 860 MHz (J.83B)

QAM 256 / Symbol Rate 5.361Mpsps , QAM 64 / Symbol Rate 5.057Mpsps

EIA CH.	MHz Center Frequency	EIA CH.	MHz Center Frequency	EIA CH.	MHz Center Frequency
2	57	42	333	87	603
3	63	43	339	88	609
4	69	44	345	89	615
5	79	45	351	90	621
6	85	46	357	91	627
95	93	47	363	92	633
96	99	48	369	93	639
97	105	49	375	94	645
98	111	50	381	100	651
99	117	51	387	101	657
14	123	52	393	102	663
15	129	53	399	103	669
16	135	54	405	104	675
17	141	55	411	105	681
18	147	56	417	106	687
19	153	57	423	107	693
20	159	58	429	108	699
21	165	59	435	109	705
22	171	60	441	110	711
7	177	61	447	111	717
8	183	62	453	112	723
9	189	63	459	113	729
10	195	64	465	114	735
11	201	65	471	115	741
12	207	66	477	116	747
13	213	67	483	117	753
23	219	68	489	118	759
24	225	69	495	119	765
25	231	70	501	120	771
26	237	71	507	121	777
27	243	72	513	122	783
28	249	73	519	123	789
29	255	74	525	124	795
30	261	75	531	125	801
31	267	76	537	126	807
32	273	77	543	127	813
33	279	78	549	128	819
34	285	79	555	129	825
35	291	80	561	130	831
36	297	81	567	131	837
37	303	82	573	132	843
38	309	83	579	133	849
39	315	84	585	134	855
40	321	85	591	135	861
41	327	86	597		