

Quick configuration Guide for **H-HDPerformux- 8/16/24**

Login instructions:

In order to log in to the Modulator NMS port, please set your PC's NIC Ethernet card to the following IP address: 192.168.0.100.

Access Modulator GUI by typing derail IP address **192.168.0.136** in to the browser
Login /password – admin/admin

192.168.0.136

The screenshot shows the main interface of the H-HDPerformux-24 device. On the left is a navigation menu with sections: Summary (Status), Parameters (Encoder (01-08), Encoder (09-16), Encoder (17-24), TS Config, IP Stream, USB Media), and System (Network, Cloud Platform, Password, Configuration, Firmware, Date | Time, Log). The main content area is titled 'Device Information' and contains the text: 'Encoder Channels Video Audio encoding setup for CH 1-8 , 9-16, 17-24'. Below this is a 'System Information' section showing 'Software Version: 02.00.20 Build 160.00 Nov 7 2022'. A box labeled '1' points to the 'Encoder (01-08)' option in the Parameters menu.

This screenshot shows the configuration page for 'Encoder-Enc CH 1'. The left menu is expanded to show 'Encoder (01-08)' selected, with a box labeled '3' pointing to it. The main content area is titled 'Encoder Module' and 'Channel Input HDMI Setting Selection'. It is divided into sections: Video (Rate Mode: CBR, Bitrate: 4.00, H.264 Profile: Baseline Profile, Out Resolution: Auto), Audio (Format: MPEG1 Layer2, Bitrate: 128 Kbps, Audio Gain: 128, Audio Delay Mode: Mode 1), Program (Share PCR PID: unchecked), and Status (Encoder Chip Version: 11.07.15, Input Lock: red indicator, Input Information: unknown, Bitrate: 0.000 Mbps). A box labeled '4' points to the 'Channel Input HDMI Setting Selection' title. A box labeled '5' points to the 'Video Bitrate setup' section. A box labeled '6' points to the 'HDMI Video Input Lock indicator' and the 'Apply' button. A text box at the bottom states: 'Apply button for any parameters changes, to save it permanently – Go to CONFIGURATION Tab and SAVE'. The 'Apply' button is also labeled with a box '6'.

Ver.2023

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This page controls which HDMI Input CH 1-24 or ASI or USB (in MPTS) are selected and moved to the IPTV outputs
By default all 24 channels are selected

H-HDPerformux-24

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Summary

- Status

Parameters

- Encoder (01-08)
- Encoder (09-16)
- Encoder (17-24)
- TS Config** ← 1
- IP Stream
- USB Media

System

- Network
- Cloud Platform
- Password
- Configuration
- Firmware
- Date | Time
- Log

TS Config

2 → **Stream Select**

SPTS (single program transport stream or MPTS (Multiprogram transport stream selection)

HDMI inputs encoded transport streams

3

Parse the program (scanning function)

4 → Parse program time out: 60 seconds

Stream Select

Normal → Overflow

SPTS (prog: 24)

- 1: TV-101 <=Encoder (01-08) SPTS:1 [101]
- 2: TV-102 <=Encoder (01-08) SPTS:2 [102]
- 3: TV-103 <=Encoder (01-08) SPTS:3 [103]
- 4: TV-104 <=Encoder (01-08) SPTS:4 [104]
- 5: TV-105 <=Encoder (01-08) SPTS:5 [105]
- 6: TV-106 <=Encoder (01-08) SPTS:6 [106]
- 7: TV-107 <=Encoder (01-08) SPTS:7 [107]
- 8: TV-108 <=Encoder (01-08) SPTS:8 [108]
- 9: TV-101 <=Encoder (09-16) SPTS:9 [101]
- 10: TV-102 <=Encoder (09-16) SPTS:10 [102]
- 11: TV-103 <=Encoder (09-16) SPTS:11 [103]
- 12: TV-104 <=Encoder (09-16) SPTS:12 [104]
- 13: TV-105 <=Encoder (09-16) SPTS:13 [105]
- 14: TV-106 <=Encoder (09-16) SPTS:14 [106]
- 15: TV-107 <=Encoder (09-16) SPTS:15 [107]
- 16: TV-108 <=Encoder (09-16) SPTS:16 [108]

CA Filter

PID Remap

Refresh Input

Refresh Output

All Input

All Output

Program Information

Program From Input: Encoder (01-08) SPTS:1 [101]

Name

Service Name: TV-101

Program Number: 2001

Service Type: 0x01

Service Provider: TV-Provider

PMT Descriptor Tag: 0x00

PMT Descriptor Data: (Hex)

PMT PID: 0x0020

PCR PID: 0x0021

MPEG-4 Video PID: 0x0022

MPEG-1 Audio PID: 0x0023

Apply Close

Click Digit 1 to 24 to open Program information page

Program PID's Information

IP Stream(GE_DATA1)

Channel Info.(Alarm/Active/Total): 0/0/25

| # | IP Address | Port | Protocol | Pkt Length | Null PKT Filter | Status | Bit(Act/Max) | |
|-------|------------|------|----------|------------|--------------------------|--------|--------------|--|
| MPTS1 | 224.2.2.2 | 2001 | UDP | 7 | <input type="checkbox"/> | ● | 0.0/120.0 M | |
| SPTS1 | 224.2.2.2 | 2002 | UDP | 7 | <input type="checkbox"/> | ● | 0.1/30.0 M | |
| SPTS2 | 224.2.2.2 | 2003 | UDP | 7 | <input type="checkbox"/> | ● | 0.1/30.0 M | |
| SPTS3 | 224.2.2.2 | 2004 | UDP | 7 | <input type="checkbox"/> | ● | 0.1/30.0 M | |
| SPTS4 | 224.2.2.2 | 2005 | UDP | 7 | <input type="checkbox"/> | ● | 0.1/30.0 M | |
| SPTS5 | 224.2.2.2 | 2006 | UDP | 7 | <input type="checkbox"/> | ● | 0.1/30.0 M | |
| SPTS6 | 224.2.2.2 | 2007 | UDP | 7 | <input type="checkbox"/> | ● | 0.1/30.0 M | |
| SPTS7 | 224.2.2.2 | 2008 | UDP | 7 | <input type="checkbox"/> | ● | 0.1/30.0 M | |
| SPTS8 | 224.2.2.2 | 2009 | UDP | 7 | <input type="checkbox"/> | ● | 0.1/30.0 M | |
| SPTS9 | 224.2.2.2 | 2010 | UDP | 7 | <input type="checkbox"/> | ● | 0.1/30.0 M | |

Quickly Config.

ENABLE ON/OFF

Enable:

IP Address: 224.2.2.2

Port: 2001

Step: 1

Bitrate(Mbps): 20.0

Protocol: UDP

Pkt Length: 7

Null PKT Filter:

Apply

Multicast or unicast IP address

Port number

Total Bit rate – need to be > than Video Bit rate

UDP or RTP or RTSP selection

Null Packet ON/OFF Function

Apply

Summary

▶ Status

Parameters

▶ Encoder (01-08)

▶ Encoder (09-16)

▶ Encoder (17-24)

▶ TS Config

▶ **IP Stream** ← 1

▶ USB Media

System

▶ Network

▶ Cloud Platform

▶ Password

▶ Configuration

▶ Firmware

▶ Date | Time

▶ Log

VLC media player

Media Playback Audio Video Subtitle Tools View Help

Open Media

File Disc Network

Network Protocol

Please enter a network URL:

udp://@224.2.2.2:3000

IPTV streaming is sent out from the data port and can be tested using VLC player.

UDP syntax example is `udp://@224.2.2.2:2001`
 RTP syntax example is `rtp://@224.2.2.2:2001`
 RTSP syntax example is `rtsp://(DATA IP ADDRESS):5000/1-4`

1. Click the pencil icon for MPTS's or SPTS's section. Drop box will open to configure channel 1
2. Enable and edit your IP preferences
3. Press apply

Network Password Configuration Firmware Date | Time Log

DATA

IP Address: 192.168.2.136

Subnet Mask: 255.255.255.0

Gateway: 192.168.2.1

MAC Address: 22:d5:12:2a:04:59

Configuration Saving / Backup / Restore

H-4ADHD-QAM-IPLL

welcome to use Web A

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Configuration

SAVE Backup to PC Restore

Save Restore Factory Set Backup Load

When you change the parameters you should save configuration ,otherwise the new c

Save config

1. Click the configuration tab on the left hand side
2. Click the save tab
3. Press save config –

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