

Quick configuration Guide

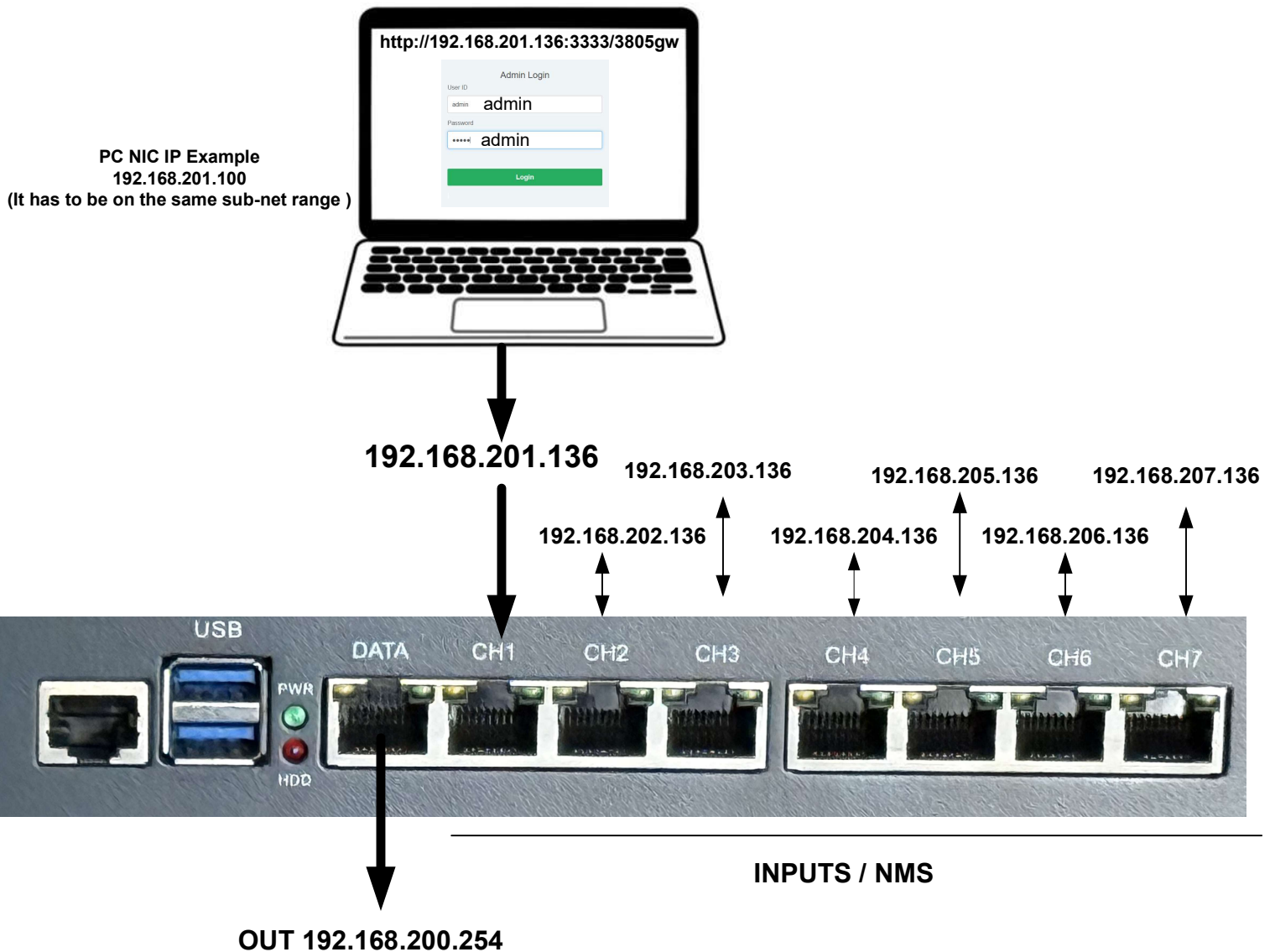
H-IPTV-GATEWAY / H-IPTV-GATEWAY-HD

The IPTV Gateway performs conversion between UDP, RTP, RTSP, and HLS streaming protocols

The IPTV Gateway has 7 inputs (CH1-CH7) and 1 output (DATA), each with its own IP address. Please access the unit via CH1 at <http://192.168.201.136:3333/3508qw> using the username 'admin' and password 'admin'. The PC's NIC card should be set to the same subnet, for example, 192.168.201.100. (These are the default settings, but they may have been changed to meet individual needs.)

NMS IP Address is <http://192.168.201.136:3333/3805gw> (CH1 port)

LOGIN / PASSWORD : admin/admin



Devices have a DATA OUTPUT PORT -IP 192.168.200.254 and 7 Ethernet ports, each with its own unique IP address ranging from 192.168.201.136 to 192.168.207.136. The device's management interface can be accessed through any of these ports.

For example:

ETH Port 1: 192.168.201.136 can be accessed via 192.168.201.136:3333/8305gw with the credentials admin/admin.

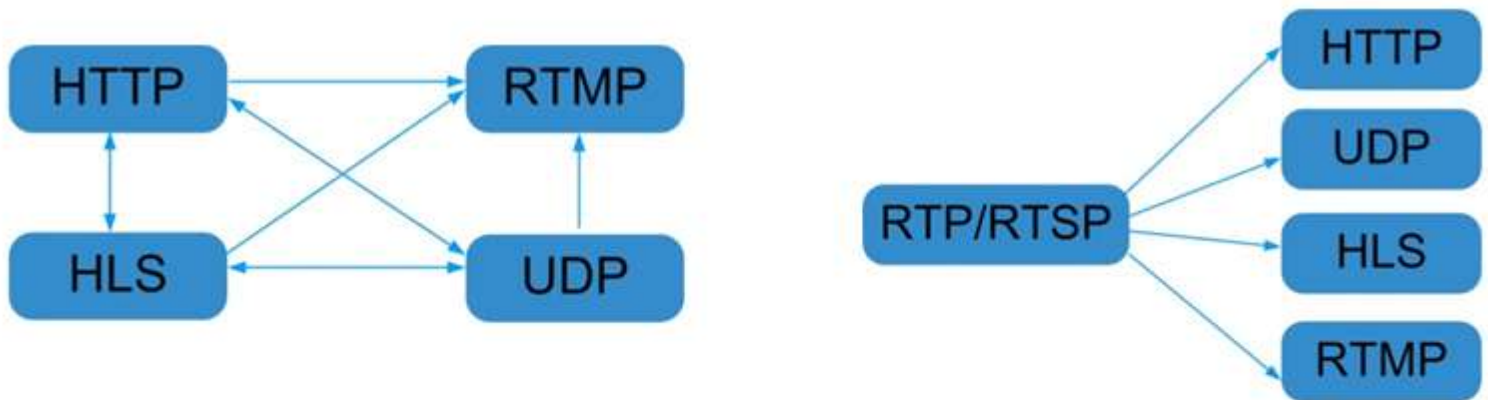
ETH Port 2: 192.168.202.136 can be accessed via 192.168.202.136:3333/8305gw with the same credentials, and so on for the remaining ports.

Each of the 7 ports functions as both an IP stream input and output, allowing incoming streams to be accepted from 7 different subnets. To receive a stream from a unicast source using protocols such as RTSP, RTP, RTMP, or HLS, the IP address subnet must match that of the stream source.

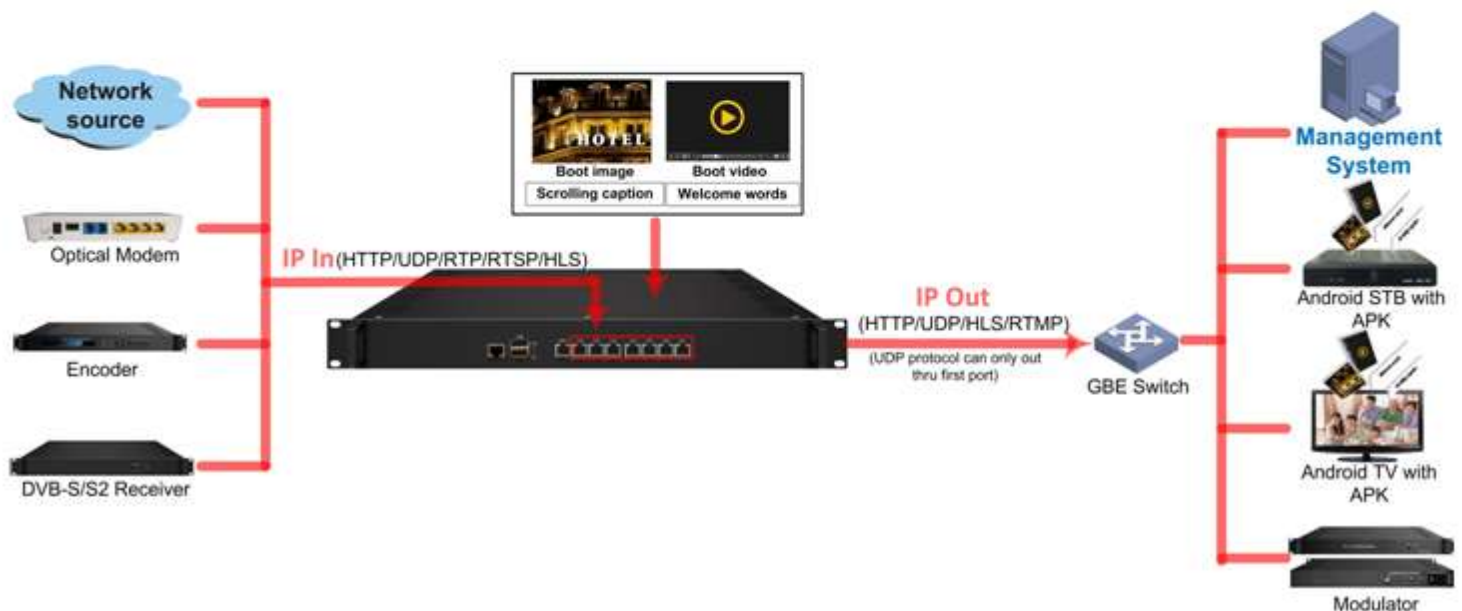
All Data Out and the 7 Input NIC card IPs are fully configurable to adapt to any network.

Application Example

IP Protocol Conversion



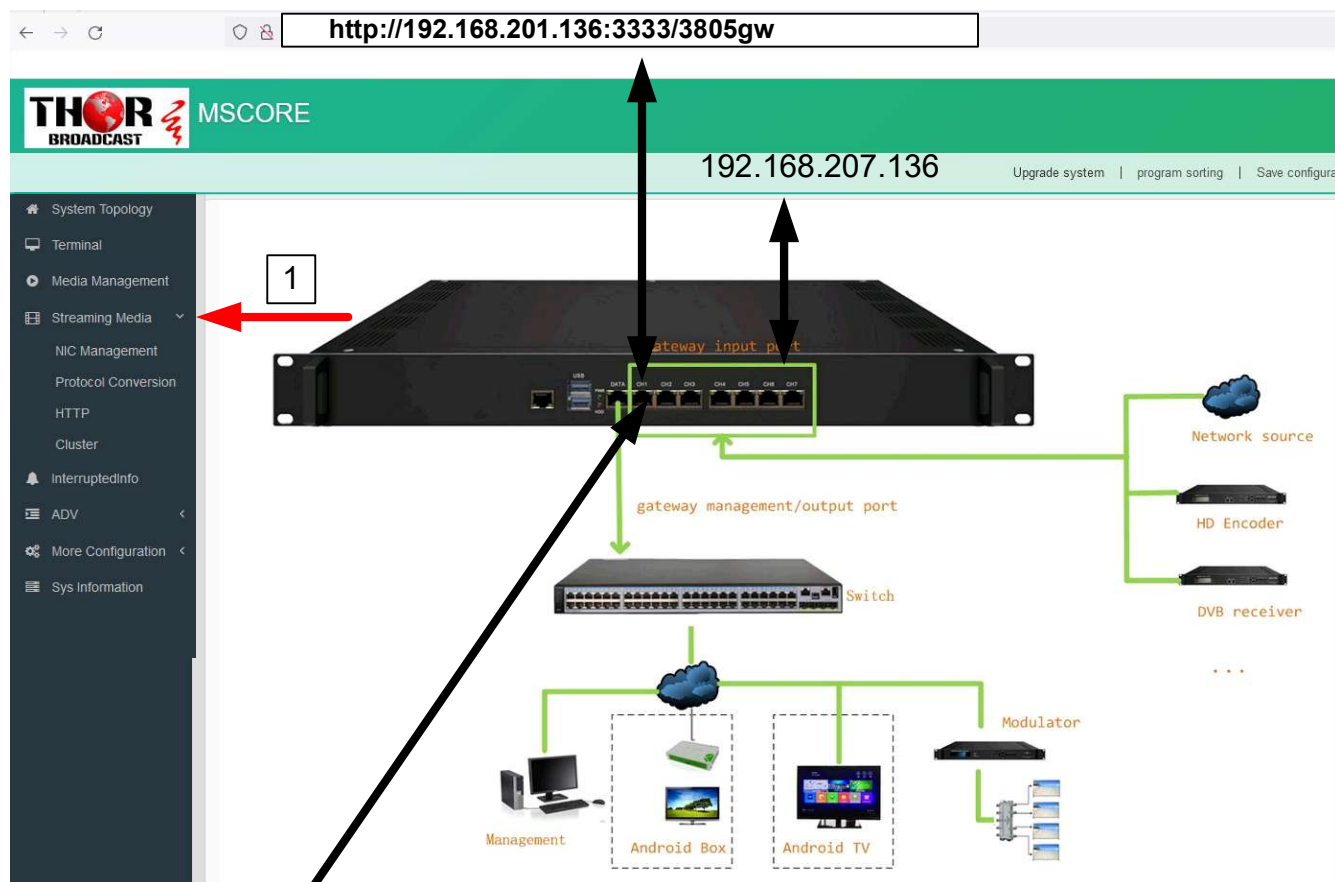
General Principle Chart



The default port is dedicated to the converted TS stream outputs. The IP address can be changed to reflect your individual network requirements. Ports CH1-CH7 are dedicated to stream input and NMS access. By default, they are set to different subnets so that the streams can be accessed from different subnet networks. These settings can be changed to reflect your own network. Not all ports need to be used, and all ports support Gigabit Ethernet data in or out

To log in, access/change IP addresses, please follow steps 1-3

NMS IP Address form CH1 is <http://192.168.201.136:3333/3805gw>



The screenshot shows the THOR BROADCAST MSCORE interface. The top bar displays the URL <http://192.168.201.136:3333/3805gw>. The main content area is titled 'DATA Port -Streams OUTPUT' and shows a table of network adapters. A red arrow labeled '2' points to the 'Eth port 1' row in the table. The table has columns for 'number', 'network adapter name', 'IP/MAC', 'Data', and 'dialing'. The 'Eth port 1' row shows the IP address 192.168.201.136. To the right, a 'NIC Setting-[eth0]' dialog box is open, showing the 'IP address' field set to 192.168.201.136. A red arrow labeled '3' points to this field. The dialog box also shows the 'Subnet mask' as 255.255.255.0 and the 'Gateway' as 192.168.200.1.

number	network adapter name	IP/MAC	Data	dialing
1	Eth port 1	192.168.201.136	↓ receive: 16 Mb/s ↑ send: 624 b/s	connected
2	Eth port 2	192.168.202.136	↓ receive: 0 b/s ↑ send: 0 b/s	disconnected
3	Eth port 3	192.168.203.136	↓ receive: 0 b/s ↑ send: 0 b/s	disconnected
4	Eth port 4	192.168.204.136	↓ receive: 0 b/s ↑ send: 0 b/s	disconnected
5	Eth port 5	192.168.205.136	↓ receive: 0 b/s ↑ send: 0 b/s	disconnected
6	Eth port 6	192.168.206.136	↓ receive: 0 b/s ↑ send: 0 b/s	disconnected
7	Eth port 7	192.168.207.136	↓ receive: 0 b/s ↑ send: 0 b/s	disconnected

Protocol Conversion Controls - Streaming Protocol Input and Output Tab

To insert the streams, please follow steps 1-3:

In the Protocol Conversion Tab, click 'Add Program.' It can be UDP multicast or another protocol.

Write the stream name.

Select the input NIC card (1-7). This is the port where the particular stream is being inserted.

Set the output protocol by selecting from the list, and the output address will be displayed below. That output is accessible from the DATA port.

2 ADD PROGRAM

1

input NIC : eth1

output protocol : eth1

MPTS : eth2

input address : eth3

output address : eth4

Eth Interface # 1 to 7

3

Submit Cancel

OUTPUT PROTOCOL

output protocol : HLS

MPTS : UDP

input address :

output address : http://192.168.200.136:8060/hls/3/3.m3u8

Input IP Example : UDP://224.2.2.2:2234

http://192.168.200.254:8060/hls/3/3.m3u8

Ver.2025

<https://thorbroadcast.com>

800-521-8467

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To test the stream's output using VLC player, please follow steps 1-5:

Connect the PC to the Data port.

Please note that if the output is HLS or any other unicast stream, the PC or any other receiving devices need to be set to the same subnet as the Data IP. In our case, the data IP is 192.168.200.136, so please set your PC's NIC card to an IP like 192.168.200.100

THOR BROADCAST H-IPTV-GATEWAY

System Upgrade | Save Configuration | Clear Configuration | Factory Restoration | Restart Service | Power

System Topology | Client | Media Management | NIC Management | Streaming Media | **Protocol Conversion** | Service Distribution | Spot Announcement | ADV | More Configuration | Sys Information

1

Number	Status	Program Name	Input NIC	Program Type	MPTS	Source Address	Output Address	Real Time Bitrate	Operation
1	✓	PROGRAM 1	eth2 disconnected	normal	NO	udp://224.2.2.2:10002	http://192.168.200.254:8060/hls/2/2.m3u8	0 Kbps	[icon]
2	✓	Program 2	eth3 [1000Mbps] full duplex self-adaption	normal	NO	udp://224.2.2.4:10004	http://192.168.200.254:8060/hls/3/3.m3u8	4626 Kbps	[icon]
3	✓	PR 3	eth4 [1000Mbps] full duplex self-adaption	normal	NO	udp://224.2.2.6:10006	http://192.168.200.254:8060/hls/4/4.m3u8	4513 Kbps	[icon]
4	✓	4	eth4 [1000Mbps] full duplex self-adaption	normal	NO	udp://224.2.2.8:10008	http://192.168.200.254:8060/hls/5/5.m3u8	4368 Kbps	[icon]
5	✓	5	eth5 [1000Mbps] full duplex self-adaption	normal	NO	udp://224.2.2.10:10010	http://192.168.200.254:8060/hls/6/6.m3u8	4602 Kbps	[icon]
6	✓	6	eth5 [1000Mbps] full duplex self-adaption	normal	NO	udp://224.2.2.12:10012	http://192.168.200.254:8060/hls/7/7.m3u8	4440 Kbps	[icon]
7	✓	7	eth5 [1000Mbps] full duplex self-adaption	normal	NO	udp://224.2.2.14:10014	http://192.168.200.254:8060/hls/8/8.m3u8	4502 Kbps	[icon]
8	✓	8	eth5 [1000Mbps] full duplex self-adaption	normal	NO	udp://224.2.2.16:10016	http://192.168.200.254:8060/hls/9/9.m3u8	4415 Kbps	[icon]

Total program: 13, Number Of Distribution: 13

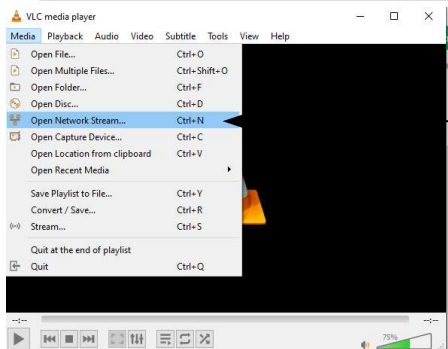
2
SELECT

3
Start Distribution

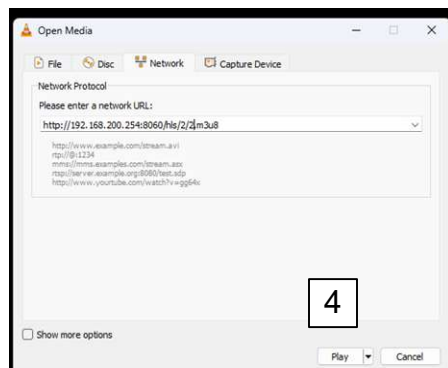
start distribution | stop distribution | stop all | Batch Setting | All

number	status	program name	input NIC	program type	MPTS	input address	output address	realtime rate	operate
1	✓	test	eth1 [1000Mbps] full duplex self-adaption	normal	NO	udp://239.252.3.1:4444	http://192.168.200.136:8060/hls/2/2.m3u8	12400 Kbps	[icon]

total program: 1, number of distribution: 1



Stream Output address
UDP/RTP/RTMP/HLS
Can be tested with VLC



<http://192.168.200.254:8060/hls/2/2.m3u8>

