

User Manual





Petit HDMI RF MODULATOR

H-HDMI-RF-PETIT



A Note from Thor Broadcast about this Manual

Intended Audience

This user manual has been written to help people who have to use, integrate and to install the product. Some chapters require some prerequisite knowledge in electronics and especially in broadcast technologies and standards.

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http://www.thorbroadcast.com

Tel: (800) 521-8467 Email: sales@thorfiber.com





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INTRODUCTION

The H-HDMI-RF-PETIT is the most cost-effective and smallest form factor solution in the market. With a second HDMI output port and a RF loop port, user can easily install the system with different requirement. Extremely compact and wall mountable, the H-HDMI-RF-PETIT fits into any space with quick installment in less than a minute or two. Utilize the exterior buttons to control the unit, or an NMS RJ45 jack to control via IP. This inexpensive and HD quality unit can stand the test of time and will allow you to expand your RF system quickly and easily.

BUTTON LAYOUT

Quickly setup the unit using the LCD display, 3 button layout, and LED's









Using those 3 buttons you can setup the following:

- 1) Change the channel number
- 2) Press HOME 1 time: changes the CABLE QAM (J83b) to AIR ATSC modulation (vice versa)
- 3) Press HOME 2 times: changes DHCP ON or OFF
- 4) Press HOME 3 times: Reset to default configuration (factory reset)

The unit is also equipped with a network connection (RJ45/Ethernet) where other changes can be made such as Audio Codec format or other modulation standards not used in USA like DVB-T & ISDB-T. Easy to use layout to control and setup your device as well.

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QUICK INSTALLATION QUIDE

- 1) Please connect the 12 Volt DC power adaptor.
 - "POWER" LED will turn GREEN
 - "Encoding" LED will turn GREEN, indicating that the unit is ready for HDMI Input
 - The unit will go through the boot-up sequence and the front digital display will show default **C002** indicating modulation on channel #2 on RF output to your TV
- 2) Connect HDMI cable from your HDMI source, when our unit recognizes the correct video resolution, the second LED "LINK LOCK" will turn GREEN.

This is a very important indicator, it MUST turn GREEN, if it doesn't turn GREEN please check our troubleshooting steps.

PLEASE NOTE: The Petit unit supports 480i, 720p, 1080i and 1080p 59.94 and 60Hz incoming video resolution, it is important to make sure your video source is set to STATIC VIDEO RESOLUTION for any of those formats. Do not leave your video source resolution "Auto"

- 3) Optionally you can connect HDMI OUT to your local TV, this is just a pass through port
- 4) When ALL 3 LED's are green and LCD display shows C002, the unit is working correctly and outputs Default CABLE QAM CHANNEL #2 (57Mhz)
 - Scan your TV on CABLE and the TV should find channel # 2.1
- 5) If you want to change the channel number or modulated channel, you can use UP / DOWN buttons to set the desired channel number, it will save automatically. (or you can do this through the web interface) Each time you change the modulated channel, scanning your TV might be necessary based on the make and model of your television set (some models like Samsung, don't require a scan)
- 6) If you want to change modulation type from Cable Qam to Off Air ATSC press the middle button (MENU BUTTON), located in between the Up/Down buttons one time.
- Next The unit should show J83b which means CABLE, press the UP button once, LED will change to a blinking ATSC, press the DOWN button once to save.

If you change the modulation standard from CABLE to ATSC, you need to scan the TV for Off-AIR channels.

- 7) If you want to the device to go back to the default configuration, please press the middle button 3x's to see ASR, press UP button once, the ASR will appear on the LCD and start blinking, to save press DOWN once
- 7) The Thor Broadcast PETIT's static IP address is 192.168.1.10

It can be set up for HDCP. Press middle button 2x to see dHOF which means HDCP OFF, press UP button, the led will change to dHON, to save it press the DOWN button, the IP address will change, to find out the IP address, log into your router, the unit will be listed with the new IP address as a PETIT under your connected devices.



TROUBLESHOOTING

NO LINK LIGHT

If you connect an HDMI source and the LINK LOCK is not ON, it means that our device is not recognizing Video resolution from the incoming source.

The TV will still show our Thor Broadcast LOGO, but not the incoming Video.

In this case please connect your HDMI source directly to the TV and try to select the input source from the options as an HDMI video source, confirm it works. Some TV models offer different supported video resolutions.

The Petite is a broadcast device that can only see broadcast resolutions (PC resolutions may vary)
The best results are from 720p/59.94 or 60 Hz, 1080i/59.94 or 60 Hz and 1080p/59.94 or 60 Hz

Do not leave your video source from any HDMI device: DVD player, Cable STB or Roku device on AUTO resolution, please select a resolution that will remain CONSTANT, again 720p or 1080I/P are best.

Please note that our unit only supports 480i, 720p, 1080i and 1080p in 59.94Hz and 60Hz incoming video resolution, it is important to make sure your video source is set to a STATIC VIDEO RESOLUTION for any of those formats. **Do not leave your source set to Auto the unit will not operate correctly.**

***Go into the settings menu of your HDMI source device and select a resolution for consistent output, every device from DVD, BluRay, and CATV Set Top Box, from any company, has this included in the SETTINGS

THE TV CANNOT FIND MY CHANNEL!



Please connect Pettit modulator directly into the TV RF input via Coaxial Cable

Check if the 3 LEDs are GREEN, if all the lights are green including the LINK LOCK, go to A, if not go to B

- A) Press middle HOME button 1x, if J836 shows on the LCD display please scan CABLE on your TV, if ATSC is showing on the LCD display then scan your TV for AIR channels; now check your TV for the channel.
- B) If all three Green LED's are not on, verify which light is not lit, and proceed:
 - 1) Power LED not lit; check your power supply and connections
 - 2) Link Lock not lit; the resolution of your HDMI is source is not in the scope of what the unit can see, please go back to first troubleshooting step above NO LINK LIGHT
 - 3) Encoding LED not lit; press the MENU button 3x to restore factory default, and try setting up the unit again If you continue to not see the Encoding light, contact Thor Broadcast Support 1-800-521-8467 ext 2

FEATURES

- > Extremely compact with less than 1.18" height
- > Supports MPEG 2 video HD encoding
- ➤ MER greater than 35dB
- > Integrated HDMI output for HD content quick display
- ➤ Output level 30dBmV
- ➤ Built-in Web GUI allow for easy set-up and control via the web browser

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SPECIFICATIONS

				ENCODI	ING		
VIDEO Input Resolution 1920**1080_50P;	Input Connect	or	HDMI 1.4				
Input Resolution			Encoding		MPEG 2		
1320 1380 1501,1280 720 60P; 1280 7720 50P	VIDEO				1920*1080_60P; 1920*108	30_50P; 1920*1080_60i;	
Encoding		Input Resolution	I	1920*1080_50i;1280*720_			
Sample Rate 32/44.1/48KHr2 384kbps 38			Bitrate		2 ~ 18 Mbps		
Bitrate			Encoding		MPEG 1 Layer II, AC3		
Standard	AUDIO		Sample Rate		32/44.1/48KHz		
ATSC 4/53 (6M) Constellation 8VSB MER ≥36 dB Annex A (8M) Constellation 16QAM, 32QAM, 64QAM, 128QAM, 256QAM MER ≥36 dB Symbol Rate 3 - 6.952 Ms/s Coderate 1/2, 2/3, 3/4, 5/6, 7/8 Guard Interval 1/32, 1/16, 1/8, 1/4 Standard Annex B (8M) DVB-C J.838 DVB-C J.838 Annex B (8M) Constellation 64QAM, 256QAM MER ≥36 dB Symbol Rate 3 - 6.952 Ms/s Coderate 1/2, 2/3, 3/4, 5/6, 7/8 Guard Interval 1/32, 1/16, 1/8, 1/4 Annex B (8M) Constellation 64QAM, 256QAM MER ≥36 dB Standard DVB-T COFDM (6M, 7M, 8M) Constellation 4QAM, 16QAM, 64QAM MER ≥32 dB Transmission Mode 1/2, 2/3, 3/4, 5/6, 7/8 Guard Interval 1/32, 1/16, 1/8, 1/4 ARIB STB 831 (6M) Constellation 0PSK, 16QAM, 64QAM MER ≥42 dB Coderate 1/2, 2/3, 3/4, 5/6, 7/8 Guard Interval 1/32, 1/16, 1/8, 1/4 Transmission Mode 1/10 1/32, 1/16, 1/8, 1/4 Transm			Bitrate				
ATSC Constellation 8VSB 236 dB				MODULA	TION		
MER ≥36 dB			Standard		ATSC A/53 (6M)		
Standard	ATSC		Constellation	1	8VSB		
DVB-C J.83A			MER	1	≥36 dB		
MER \$236 dB			Standard		Annex A (8M)		
Symbol Rate 3 ~ 6.952 Ms/s			Constellation		16QAM, 32QAM, 64QAM,	128QAM, 256QAM	
Symbol Rate 3 ~ 6.952 Ms/s			MER		≥36 dB		
Suard Interval 1/32, 1/16, 1/8, 1/4	DVB-C J.83A		Symbol Rate		3 ~ 6.952 Ms/s		
Standard Annex B (6M)			Coderate				
DVB-C J.838 Constellation 64QAM, 256QAM MER 236 dB Standard DVB-T COFDM (6M, 7M, 8M) Constellation 4QAM, 16QAM, 64QAM MER 232 dB Transmission Mode 2k, 8k Coderate 1/2, 2/3, 3/4, 5/6, 7/8 Guard Interval 1/32, 1/16, 1/8, 1/4 Standard ARIB STB-B31 (6M) Constellation QPSk, 16QAM, 64QAM Constellation QPSk, 16QAM, 64QAM MER 242 dB Coderate 1/2, 2/3, 3/4, 5/6, 7/8 Guard Interval 1/32, 1/16, 1/8, 1/4 Transmission Mode / Interleave 2k, 4k, 8k / 0, 1, 2, 3 Transmission Mode / Interleave 2k, 4k, 8k / 0, 1, 2, 3 Output Level 230dBmV Output Frequency Range 50 ~ 999.999MHz Out-band Rejection 260dB Alanagement Control Keys; NMS; APP LCN Insertion YES Alanagement Regist Dygrade NMS Output Frequency Range English Dygrade NMS Output Frequency NMS Output Frequency NMS Output Frequency Rappe LCN Insertion YES Output Frequency Rappe Dygrade NMS Output Frequency Dygrade NMS Output Frequency Pyes Pyes Output Frequency Pyes P			Guard Interval		1/32, 1/16, 1/8, 1/4		
MER \$236 dB			Standard				
Standard	DVB-C J.83B	ļ	Constellation		64QAM, 256QAM		
DVB-T			MER		≥36 dB		
MER \$\insightarrow 2\text{K, 8K} \$\insightarrow 2\text{K, 16Q, 16, 16, 18, 1/4} \$\insightarrow 2\text{K, 16Q, AM, 64Q, AM} \$\insightarrow 2\text{K, 16Q, AM, 64Q, AM} \$\insightarrow 2\text{K, 8K, 8K, 0.1, 2.3} \$\insightarrow 2\text{K, 4K, 6K, 0.1, 2.3} \$\insightarrow 2\text{K, 6K, 6K, 0.1, 2.3} \$\insightarrow 2\text{K, 6K, 6K, 0.1, 2.3} \$\insightarrow 2K, 6K, 6K, 6K, 6K, 6K, 6K, 6K, 6K, 6K, 6			Standard		DVB-T COFDM (6M, 7M, 81	M)	
DVB-T			Constellation		4QAM, 16QAM, 64QAM		
Transmission Mode			MER		≥32 dB		
Guard Interval 1/32, 1/16, 1/8, 1/4	DVB-T		Transmission Mode		2K, 8K		
Standard			Coderate		1/2, 2/3, 3/4, 5/6, 7/8		
Constellation QPSK, 16QAM, 64QAM			Guard Interval		1/32, 1/16, 1/8, 1/4	8, 1/4	
MER ≥42 dB Coderate 1/2, 2/3, 3/4, 5/6, 7/8 Guard Interval 1/32, 1/16, 1/8, 1/4 Transmission Mode / Interleave 2K, 4K, 8K / 0,1,2,3 Cotty			Standard		ARIB STB-B31 (6M)		
Coderate			Constellation				
Coderate 1/2, 2/3, 3/4, 5/6, 7/8 Guard Interval 1/32, 1/16, 1/8, 1/4 Transmission Mode / Interleave 2K, 4K, 8K / 0,1,2,3 OUTPUT RF Output Level ≥30dBmV Output Frequency Range 50 ~ 999.999MHz Out-band Rejection ≥60dB SYSTEM Annagement Control Keys; NMS; APP LCN Insertion YES anguage English Upgrade NMS			MER				
Transmission Mode / Interleave 2K, 4K, 8K / 0,1,2,3 Output Level ≥30dBmV Output Frequency Range 50 ~ 999.999MHz Out-band Rejection ≥60dB Management Control Keys; NMS; APP LCN Insertion YES anguage English Upgrade NMS	ISDB-T		Coderate		1/2, 2/3, 3/4, 5/6, 7/8		
Transmission Mode / Interleave 2K, 4K, 8K / 0,1,2,3 Output Level ≥30dBmV Output Frequency Range 50 ~ 999.999MHz Out-band Rejection ≥60dB Management Control Keys; NMS; APP LCN Insertion YES anguage English Upgrade NMS			Guard Interval				
Processing			Transmission Mode / Interleave				
RF Output Frequency Range 50 ~ 999.999MHz Out-band Rejection ≥60dB SYSTEM Management Control Keys; NMS; APP LCN Insertion YES anguage English Upgrade NMS				OUTPI	UT		
Out-band Rejection ≥60dB SYSTEM Management Control Keys; NMS; APP LCN Insertion YES anguage English Upgrade NMS			Output Level		≥30dBmV		
SYSTEM Management Control Keys; NMS; APP LCN Insertion YES anguage English Upgrade NMS	RF		Output Frequency Range	50 ~ 999.999MHz			
Management Control Keys; NMS; APP LCN Insertion YES anguage English Upgrade NMS			Out-band Rejection	≥60dB			
anguage English Upgrade NMS							
	Management	Control K	(eys; NMS; APP	LCN Insertior	 n	YES	
	Language	English		Upgrade		NMS	
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GENERAL			
Power Supply	DC12V 1A	Power Consumption	< 10W
Net Weight	0.36KG	Dimension	136*165*25 (mm)

TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER FROM THIS UNIT. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: TO PREVENT SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE





CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

SAFETY INSTRUCTIONS

- 1. Read all safety and operating instructions before you operate the modulator
- 2. Retain all safety and operating instructions for future reference
- 3. Heed all warnings on the modulator and in the safety and operating instructions
- 4. Follow all installation, operating and use instructions.
- 5. Unplug the modulator from the AC power outlet before cleaning. Use only a damp cloth for cleaning the exterior of the modulator
- 6. Do not use accessories or attachments not recommended by us, as they may cause hazards, and will void the warranty
- 7. Do not operate the modulator in high-humidity areas, or expose it to water or moisture.
- 8. Do not place the modulator on an unstable cart, bracket or table. The modulator may fall, causing serious personal injury and damage to the modulator. Install the modulator only in a mounting rack designed for 19" rack-mounted equipment.
- 9. Do not block or cover slots and openings in the modulator. These are provided for ventilation and protection from overheating. Never place the modulator near or over a radiator or heat register.
- 10. We strongly recommend using an outlet that contains surge suppression or ground fault protection. For added protection during a lightning storm, or when the modulator is left unattended for long periods of time, unplug it form the wall outlet or PDU and disconnect the lines between the modulator and its source. This will prevent damage caused by lightning or power line surges.
- 11. Do not overload wall outlets or extension cords, as this can result in a risk of fire or electrical shock.



- 12. Never insert objects of any kind into the modulator through openings as the objects may touch dangerous voltage and will void the warranty. Refer all servicing to authorized service personnel.
- 13. Unplug the modulator from the wall outlet or PDU and refer servicing to authorized service personnel whenever the following occurs:
 - The power supply cord or plug is damaged
 - · Liquid has been spilled into or objects have fallen into modulator
 - The modulator has been exposed to rain or water
 - The modulator has been dropped or the chassis has been damaged
 - The modulator exhibits a distinct change in performance
- 14. When replacement parts are required, ensure that the service technician uses replacement parts specified by us. Unauthorized substitutions may damage the modulator or cause electrical shock or fire, and will void the warranty.

UNPACKING and HANDLING

The H-HDMI-RF-PETIT is shipped with all equipment assembled, wires, factory tested, and then packaged in an appropriate shipping container.

Unit Inspection

Inspect the front and rear of the equipment for shipping damage. Make sure the equipment is clean, and no wire, cable, or connectors are broken, damaged or loose.

Precautions:

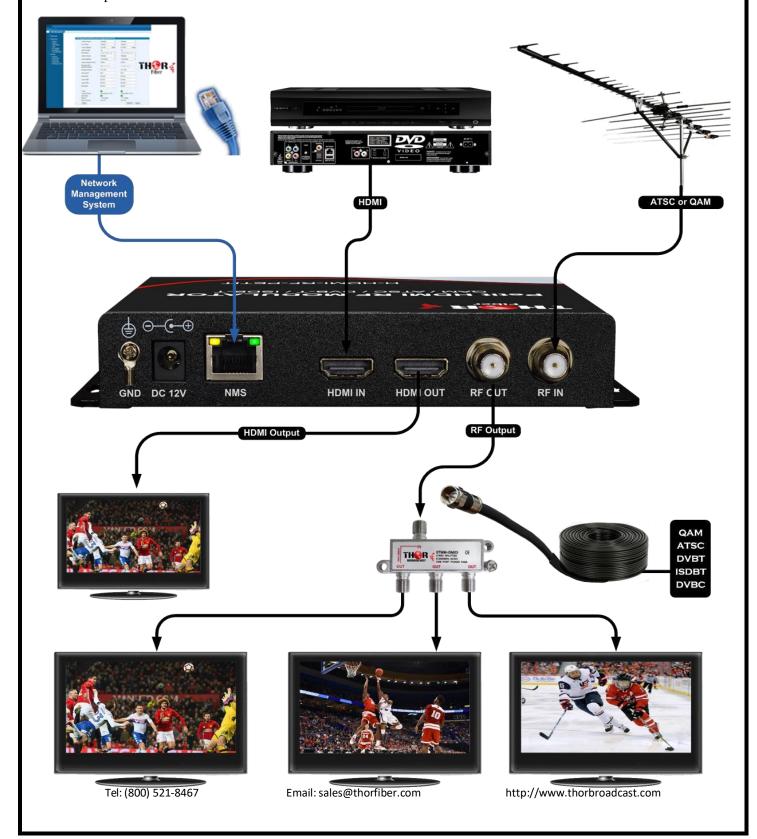
- ✓ Avoid heat buildup
- ✓ Ensure easy access to rack wiring
- ✓ Facilitate servicing and maintenance
- ✓ Avoid direct heating or air conditioning
- ✓ Make sure rack supports are sufficiently rigid to support racks
- ✓ Beware of dripping water onto equipment form leaky roofs, waveguide roof entries and pipe condensation
- ✓ Should any damage be discovered after unpacking the unit, immediately file a claim with the carrier. A full report of the damage shall be made and a copy forwarded to Seller.



INSTALLATION

Please follow the instructions below to install the H-HDMI-RF-PETIT

- 1. Connect the power plug to the jack.
- 2. Connect the video source to the H-HDMI-RF-PETIT like DVD or STB
- 3. Connect the H-HDMI-RF-PETIT to a set-top box or a digital TV
- 4. Power up the modulator





DISPLAY AND BUTTONS



2 1 3

1. LED DISPLAY

To display all the setting information

2. INDICATORS

POWER: Indicate power on

LINK LOCK: Indicate that HDMI incoming signal is recognized

ENCODING: Indicate the modulator is working

3. CONTROL KEYS

Number up and confirm restore

▼ Enter and Save; Next option;

Switch the MENU (HOME BUTTON)



4 GND

For grounding the modulator

- 5 POWER SOCKET
 - Feed the DC 12V 1A
- 6 RJ45

Network management system

(Default IP 192.168.1.10

Login: user/user)

7. HDMI INPUT

Feed the HD signal into the modulator

8. HDMI OUT (LOOP)

For HD signal quick display to TV

9. RF OUTPUT

40dBmV maximum output is provided at this port

10. RF INPUT

To combiner another external RF signal

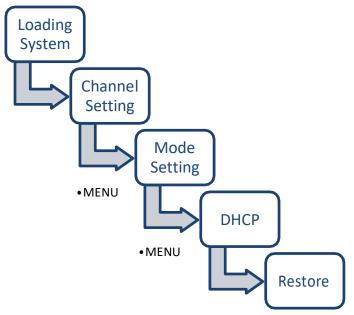
WARNING:

For the protection of your equipment and its proper working is necessary to connect the H-HDMI-RF-PETIT to a ground connection.



SETTING UP THE SYSTEM

THE SYSTEM MAP



DETAILS

Loading System



CHANNEL SELECTION



QUICK SWITCH



DHCP SWITCH



RESTORE MODE



Tel: (800) 521-8467

Software Version



Use ▼ and ▲ to change the channel.

QUICK SWITCH: Press \blacktriangle to switch the mode from ATSC and QAM. Press \blacktriangledown to save.

Press \triangle to active the restore function. When the numbers are flashing, press \blacktriangledown to confirm.

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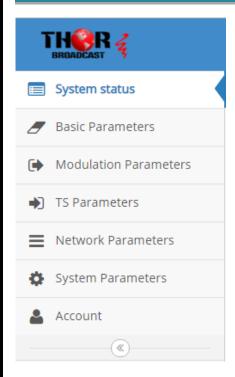


WEB MANAGEMENT

Notice: 1.Please turn off the DHCP in the modulator, if you connect your laptop to the modulator directly

- 2. Please use Google Chrome or Microsoft Edge to login the system (best browsers)
- 1. Connect the modulator and the computer by the RJ45 port.
- 2. Open your Google Chrome and input default IP address 192.168.1.10, and press enter.
- 3. The default user name is user and the default password is user

Notice: Please make sure your computer is in the same IP segment as the modulator is.

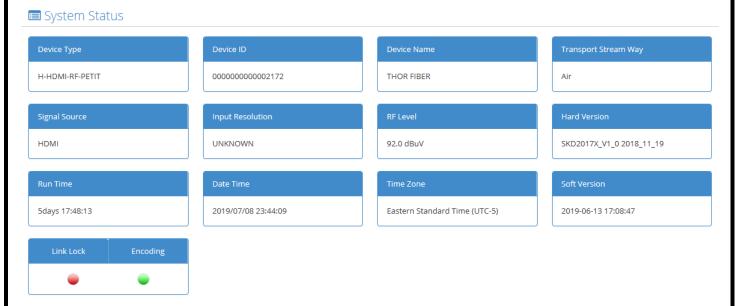


The Settings MENU



SYSTEM STATUS

You can quickly check out the modulator working status here.



BASIC PARAMETERS

Device ID	00000000000115B
Device Name	THOR FIBER
Server Address	120.25.223.26
Signal Source	HDMI
Input Resolution	UNKNOWN
System Time Source	OFF
Manual Daylight Saving	OFF
Local Timezone	Eastern Standard Tim 🔻
Date Time	2012/08/23 05:06:38
HDCP	OFF
	Advanced Settings
	✓ Submit

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- 1. Device ID: The unique ID for this modulator
- 2. Device Name: Input name for the device (The unique name)
- **3.Server Address:** For online management
- 4. Signal Source: Indicate the input signal type
- 5. Input Resolution: Please check SPECIFICATIONS for supported resolutions



No Video Input or Unsupported Resolution

8/04/25 22:08:10 ×

2018

10 11 12 13 14

Clear Today OK

10 11 12

Sun Mon Tue Wed Thu Fri Sat

≪I ◀ Apr

Time 22: 8:10 :

6. System Time Source: When the System Time Source is ON, the NTS Server is active. If your modulator has access to the

internet, it will adjust the time with the NTS Server

- 7. Manual Daylight Saving: Turn on daylight saving
- 8. Local Timezone: 6 time zone here
- 9. Date Time: Click the time box and the time table will come out.

Changing the time zone will change the time.

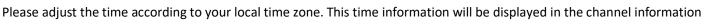
You can set the time manually by the time box.

Clear: Reset the time display

Today: The modulator will read the time from your computer

OK: Save and EXIT

Clock: Time Quick Selection **10. Submit**: Save the settings



in the TV

MODULATION PARAMETERS

Transport Stream Way	Air	~
Major num.	1	
Minor num.	1	
RF Config	select from list	~
Frequency(MHz)	CH-02 57MHz	~
Bandwidth(M)	6	~
Attenuation(dB)	0	
Constellation	8VSB	~
Audio Encoder	AC3	~

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1 Modulation: Air is for ATSC standard and Cable is for QAM.

When it is Air, the constellation will be 8VSB.

While it is Cable, the constellation will be QAM64 or QAM256.

- 2 Major number and Minor number will help you to sort out the channel order.
- **3 RF Config.**: In Select from list mode, you can quickly select the channel from the list. Please notice that the Major number will change to match the Channel. For example: you choose CH-02 57MHz, then the major number is automatically change into 2. Of course, you can edit the major number as you want afterthat.
- **4 Attenuation:** the number input here is a negative value. For example, input number 5, the output level will minus 5 dB.
- **5 Constellation:** In Air mode, it is 8VSB while in Cable mode, it is QAM64 or QAM256
- **6 Audio Encoder:** AC3 or MPEG 2. Please choose one to go with your TV In Cable mode, there will be three channel plans: STD, HRC and IRC.

Transport Stream Way	Cable	~
Cable Plan	STD	~





TS PARAMETERS – (this setting is set automatically and does not need to be changed)

These settings are sometimes needed to work with Cable TV STB's only

TSID	128	Input Range : 1 ~ 65535
PMT PID	4096	Input Range : 32 ~ 8190
Pcr PID	2003	Input Range : 32 ~ 8190
Video PID	2001	Input Range : 32 ~ 8190
Audio PID	2002	Input Range : 0 ~ 65535
Source ID	128	Input Range : 1 ~ 65535
Program Num	2	Input Range : 1 ~ 65535
Long Name	THOR FIBER	Input name you want up to 6 characters
Short Name	THOR FIBER	It will be displayed in the TV.
Service Type	ATSC Digital Televisior ▼	
RRT Source	OFF ▼	

TSID: Transport Stream ID number

PMT PID: Program map table packet ID

Video PID: Video packet ID Audio PID: Audio packet ID

PCR PID: Program Clock Reference Packet ID

Source ID: The input source ID **Program Num:** Program number

Service Type: Choose the service type from the box

Short Name: Short name for the channel **Long Name:** Full name for the channel **RRT Source:** TV Parental Guidelines System

There are 4 standards of RRT ranges. Please select according to

the program.

The PMT PID, Video PID and Audio PID should be three different numbers, otherwise the system won't save it.

RRT Source	Internal	~
RRT Range	U.S TV Parental Guid	\ \
Age Rating	None	~



NETWORK PARAMETERS

LAN Setting	
DHCP	OFF
IP Address	192.168.3.99
Subnet Mask	255.255.255.0
Default Gateway	192.168.3.1
Primary DNS	8.8.8.8
Secondary DNS	202.96.134.133
MAC	00:60:70:00:01:39

1. DHCP:

If you need to put the modulator under a router with DHCP on, you might switch it to ON.

THE MODULATOR WILL RECEIVE A UNIQUE IP ADDRESS FROM THE ROUTER, to find out this IP Address; log into your router and check "attached devices" our unit will be listed as "PETIT"

2. IP Address:

The default IP is 192.168.1.10. And it is adaptable.

3. Subnet Mask:

The default one is 255.255.25.0. And it is adaptable.

4. Default Gateway:

Set the gateway address.

5. Primary DNS:

The default one is 8.8.8.8 And it is adaptable.

6. Secondary DNS:

The default one is 202.96.134.133 And it is adaptable.

7. MAC:

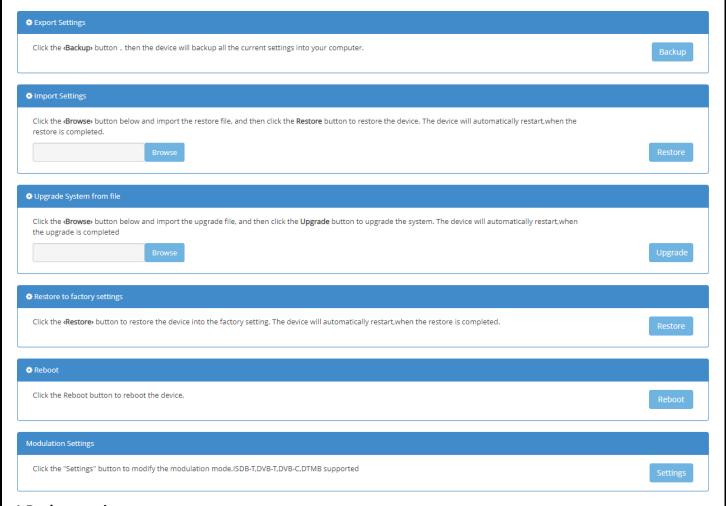
You can use the MAC to find the modulator in the router. The MAC is labeled in the modulator case. It is not recommended to change it.

NOTICE:

The modulator will reboot automatically if any changes on the network settings are applied.



SYSTEM PARAMETERS



1 Backup settings

You can backup your settings and import to another modulator. Or if the modulator isn't working well, you can send the backup file to us for modification.

2 Restore settings from file

From here you can import the setting file to save time or import the right one to recover.

3 Upgrade system from file

Upgrade the modulator

5 Restore to factory settings

All settings will go back to factory settings

6 Reboot

Restart the modulator

7 Modulation Settings

Input the password and you can change the modulation.

Please contact **THOR** for the password.

Tel: (800) 521-8467 Email: sales@thorfiber.com



ACCOUNT

Current User	Info	
	Current User Name	
	Current Password	
New User Info)	
	New User Name	
	New Password	
	Confirm Password	

The default user name is **user** and the default password is **user.**

- If you forget your new user name or new password, you can use the reset button in the front panel to restore.
- If you want to change the password only, the user name is required to be input as well.

Tel: (800) 521-8467 Email: sales@thorfiber.com



Quick IP Ethernet Connection Guide

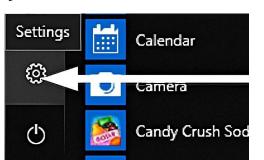
We appreciate your recent order for our Petit Modulator!

We value your trust in our company, and we will do our best to meet your service expectations.

You will need to change your subnet on your PC in order for the petit to work. All the instructions are in the manual. We offer free tech support Monday – Friday 9AM-3PM (Pacific Time)

If you need help installing your modulator please call us at 1(800)521-THOR (8467) Ext 2

1) Go to "Windows Start"





- 3) Go to "Network & Internet"
- 2) Go to Windows Settings
- 4) Go to "Ethernet" on the Left side of the Menu



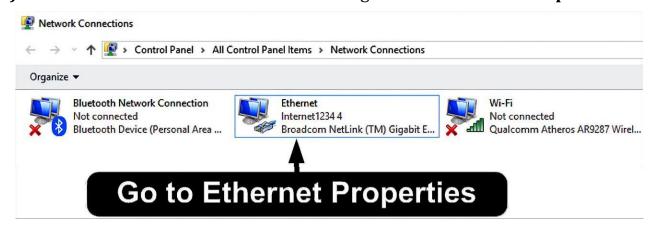
5) Go to "Change adapter options"



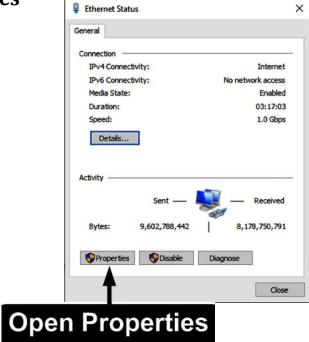
Tel: (800) 521-8467 Email: sales@thorfiber.com



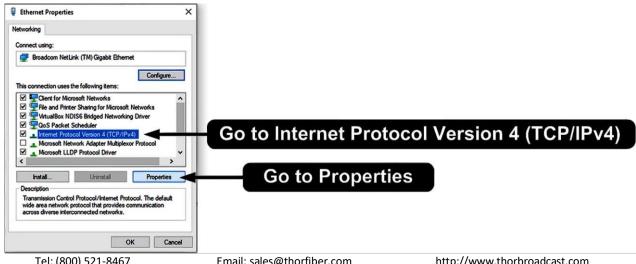
6) Double click on the Ethernet Source or Right Click and Select "Properties"



7) Open Properties



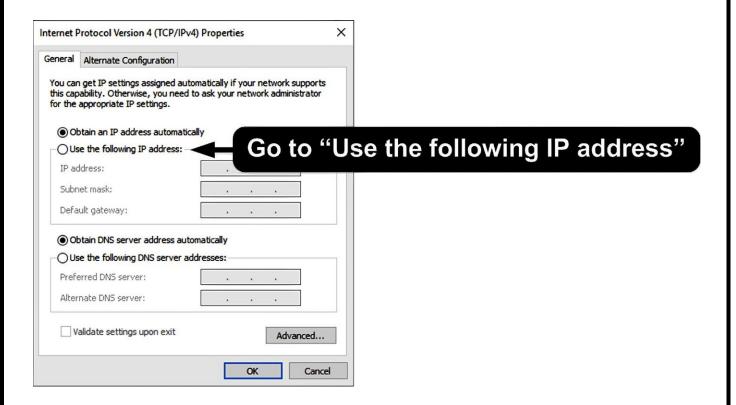
8) Go to "Internet Protocol Version 4 (TCP/IPv4)"



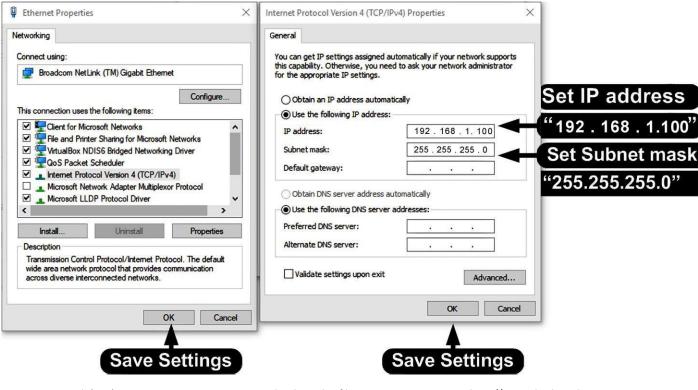


9) Go to "Properties"

10) Go to "Use the following IP address"



11) Set IP address





12) Save all the Settings

13) Open internet browser, Enter the IP address - 192.168.1.10



192.168.1.10

Username: user Password: user

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