

Step 1: Power On the Optical Transmitter



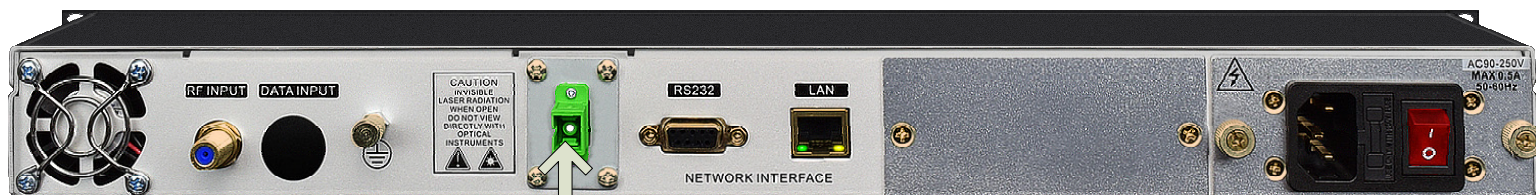
- Connect the unit to power and turn it ON.
- The "POWER" LED will turn green.
- The "RUN" LED will start blinking.
- The unit will start beeping, this indicates that the laser key is OFF

Step 2: Connect Your RF Source to the RF Input

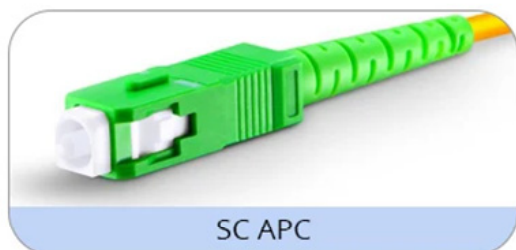


- Connect your RF signal source to the RF INPUT port on the transmitter.
- When a proper signal is detected, the "RF" LED will turn green.
- The LCD display will show the input RF level in dB μ V. The input RF power level should be between +15 to +30 dBmV (equivalent to 75–90 dB μ V).

Step 3: Connect the Fiber Optic Cable



Optical Output Port



- Use an SC/APC connector (GREEN, angle-polished) to connect your fiber optic cable to the Optical Output port.
- **IMPORTANT: DO NOT** use SC/PC (blue, flat-polished) connectors, as the unit will not operate correctly with them.)

Step 4: Turn ON the Laser Key



Laser On/Off Keyhole

- Insert the included Key and gently turn to the “ON” position to activate the laser. The unit will stop beeping. The laser will begin working after approximately 5 seconds.
- **WARNING:** Never look directly into the fiber optic output — the transmitter emits invisible laser light that can cause serious eye injury.

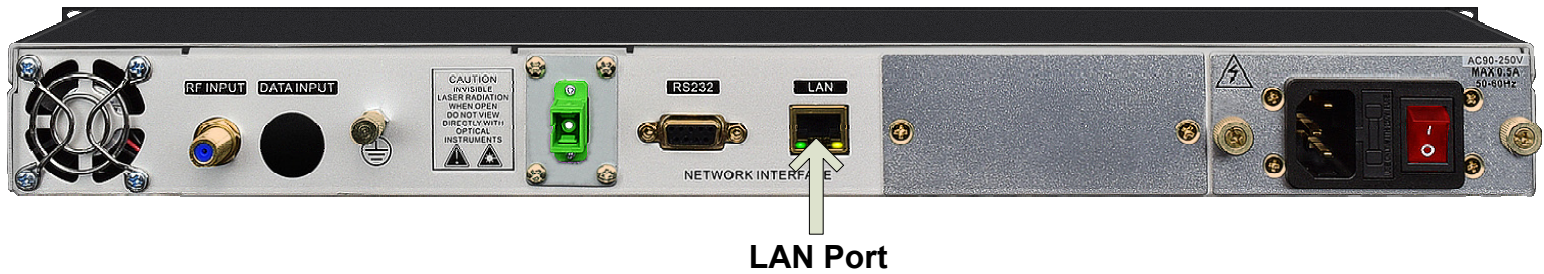
Step 5: Check Optical Output Power



Optical Output Power Reading

- Depending on the model (e.g., 4–32 mW output), the LCD display will show the actual optical output power.
- When the RF input is within range and the laser key is ON, all front panel LEDs should be green, indicating proper operation.

Step 6: (Optional) Connect Ethernet for Monitoring



- You may connect an Ethernet cable to a PC or network switch for web-based monitoring. (This step is not necessary for normal operation.)
- Access the login page from your web browser. The IP address is shown on the LCD screen under the “Status” menu and can be changed to match your subnet if needed.

Default settings:
Address: <http://192.168.14.151>
Username: admin
Password: 123456

Scan for more:



Step 7: Receivers and Accessories (Sold Separately)

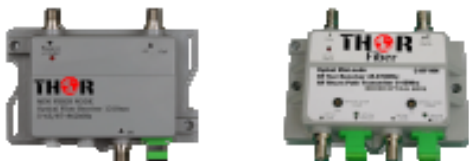
The F-RF-1310-TX Transmitter can be used with any of the Thor Fiber optical RF receivers (Recommended RF Input Power +3 to -5 dbm)



F-RF-RX-RM
CATV RF Rack-
Mountable Receiver
High Power



F-RF-RX-MN
CATV RF Mini
optical receiver



F-Mininode
CATV Mininode -
RF Receiver and
return path RF
transmitter



F-FOM
Fiber Optic Meter



F-RF-1310-TX-4mW / F-RF-1310-TX-8mW / F-RF-1310-TX-16mW / F-RF-1310-TX-32mW Quick Setup Guide