

Thor Fiber F-RF-BR

Quick Installation Guide: Setting Up Your Fiber Break

1. Unpack the Thor CATV AM Laser Transmitter out of the box. The box should include a:
 - Power cord
 - Set of duplicate keys (Key is to turn DFB laser on/off)
 - SC/APC 5db build out attenuator



2. The transmitter and mini receiver set are plug and play devices. If the RF input power to the transmitter and the optical power input to the receiver are in this specific range:
 - Transmitter RF Input 15-25dBmV (75-85dBuV)
 - Receiver Optical Input should be +2-6dBm

If all levels are within range, the system is plug and play. A quick checklist to connect the transmitter is:

- ✓ Power Source
- ✓ RF input source
- ✓ Optical Link SC/APC (5db attenuator if applicable; only needed for very short fibers)

3. Plug in the power cord to the back of the transmitter.



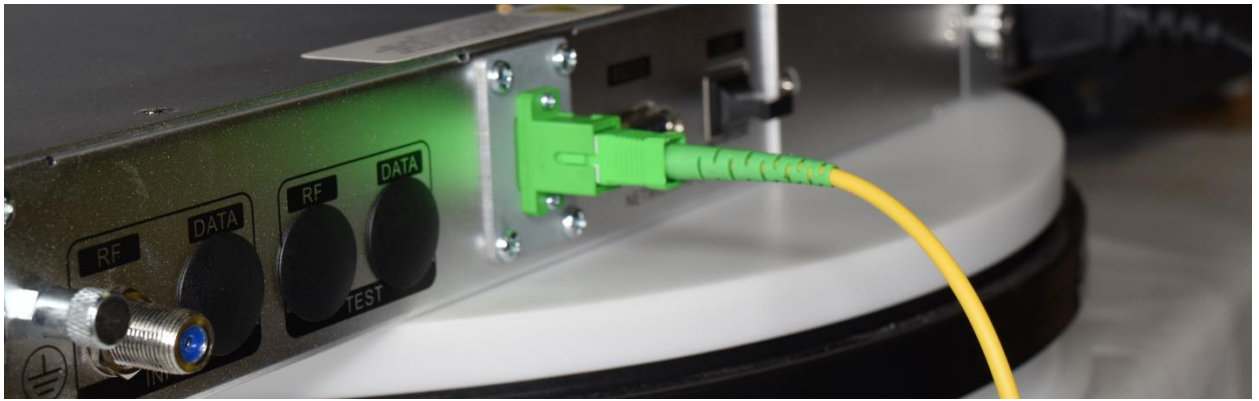
4. Plug in RF input source to female F-connector on the back of the transmitter.



5. Connect the SC/APC jumper to the green optical port.

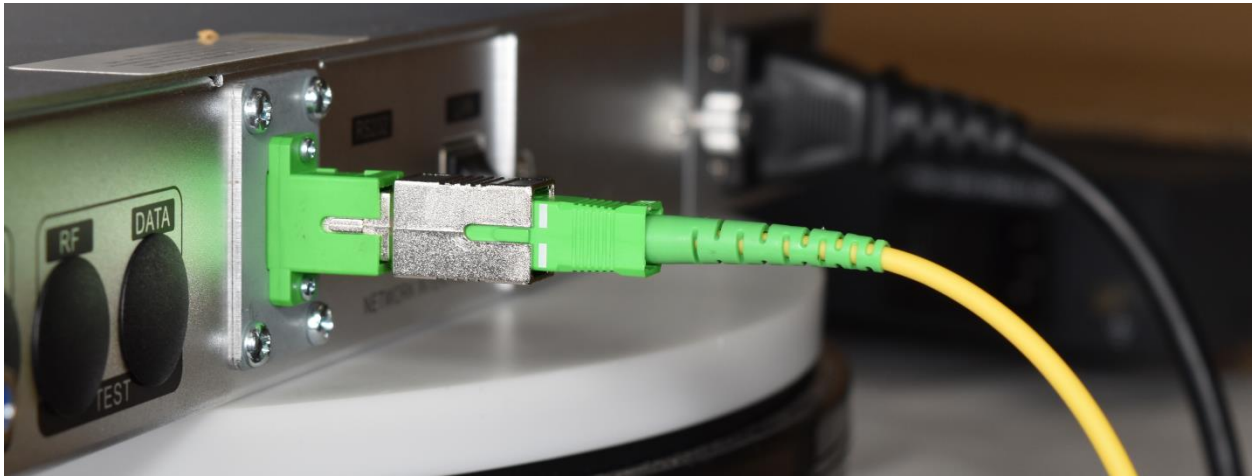


Align the slot and tab and press gently until you hear a “click”. The click indicates a proper mating between couplers.



For short distance, point-to-point transmission, installing a 5db attenuator (included in the box) maybe needed inline between the transmitter and the jumper. Shown below is how to install the attenuator in series.

Align the slot and tab and press gently until you hear a “click”. The click indicates a proper mating between couplers.



- Power up the transmitter. Flip the switch to On (I), the switch will light up when powered on. Press the (O) to power off. Switch led will extinguish when power is off.



- When initially powering up you will hear a series of beeps. The Power light will be green. The LCD screen will read "CATV RF Fiber Break Lock is Off"...The Run light will blink green. LD light will blink red. The RF light will blink red.



- Grab key and insert key in the keyhole.



The key in the vertical position will keep the DFB laser **Off** (red dot).



Turning the key to the right will turn **ON** the laser (green dot).



After turning the key, the laser will turn on and the screen will display...Open Delay in 5...4..3..2..1.



The Run, LD and RF led will blink and you will hear an audible beep for a few seconds. LED lights will turn green from red. LD and RF will stay a solid green. The Run led will be green and flicker. Picture below shows a RF input of 96.7 dB μ V. This proves we have a RF signal coming in. The transmitter has a built-in RF meter for simple testing.



- If you see 0.0 to the right of the RF, recheck your RF input. See picture below.





10.

The receiver has an SC/APC input green coupler on the top of the unit.
Make sure you hear the click when inserting the fiber.

11. The Bottom of the Receiver has an RF output and RED RF dB pad to adjust the RF power.

12. Once all pieces are connected and running correctly you can now safely run this coaxial cable coming from the bottom of the RF Optical Receiver to the rest of your TV's and RF Infrastructure.

FOR MORE SUPPORT:

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