

SATEL Radio Programming

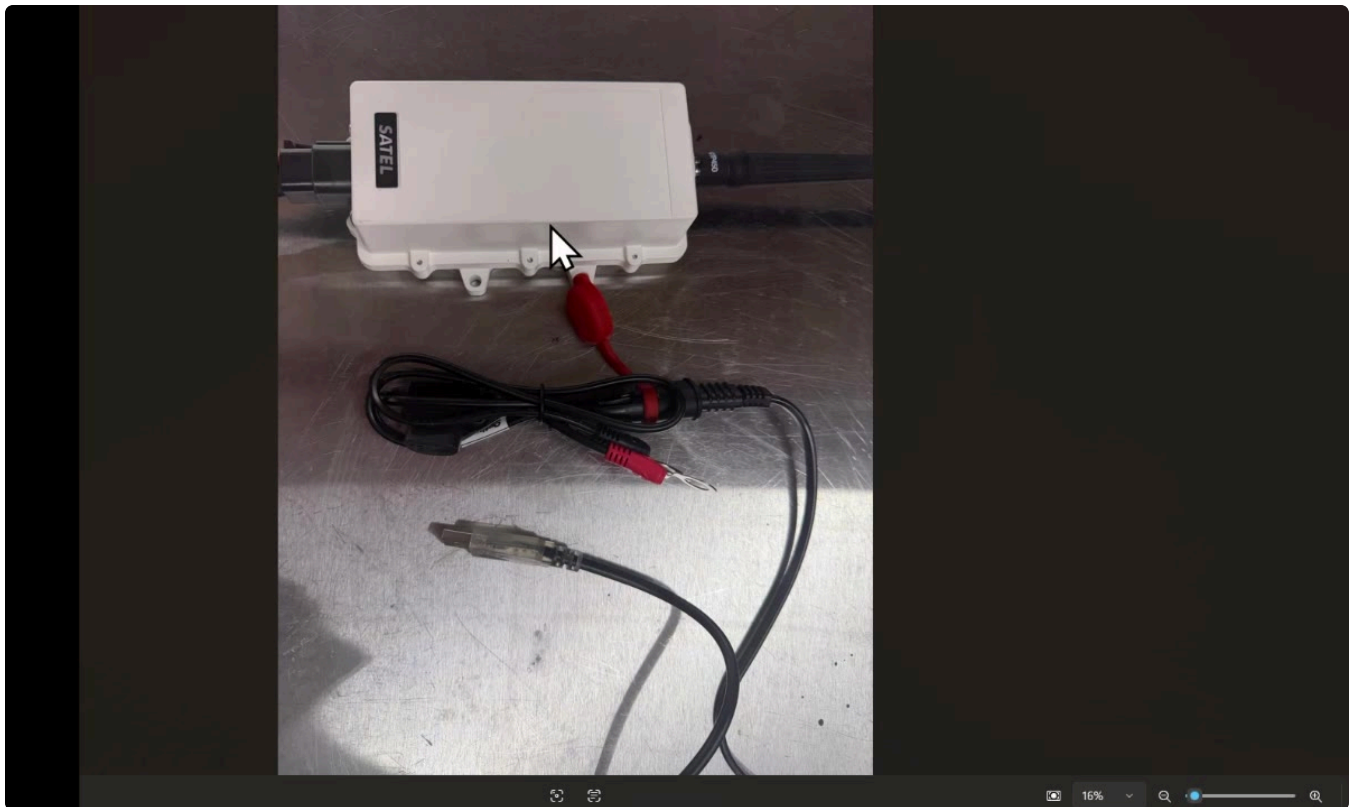
Oct 21, 2026 · @Johan

Use this guide to read and change the settings of a SATEL radio (SATEL Proof-TR489 in the video) with the **SATEL Configuration Manager** software on a Windows PC.

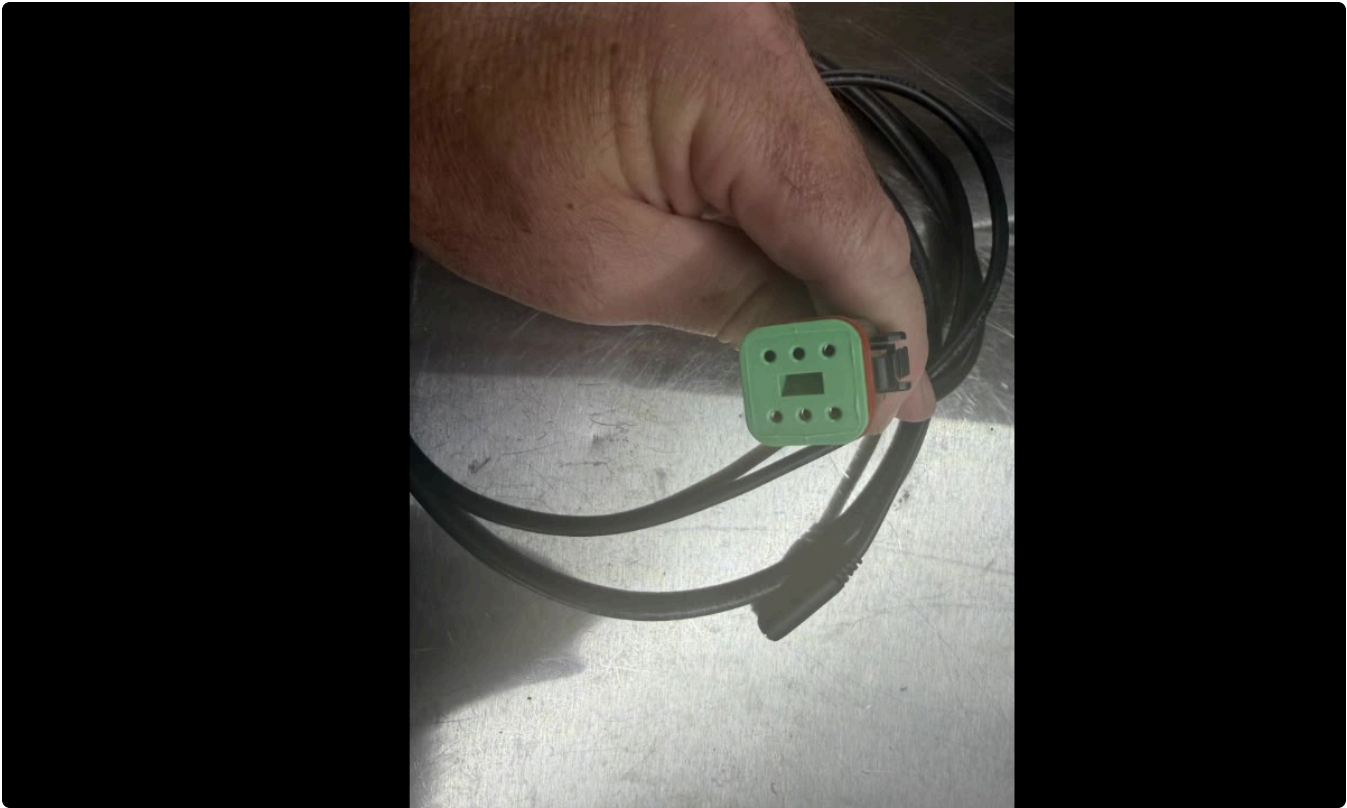
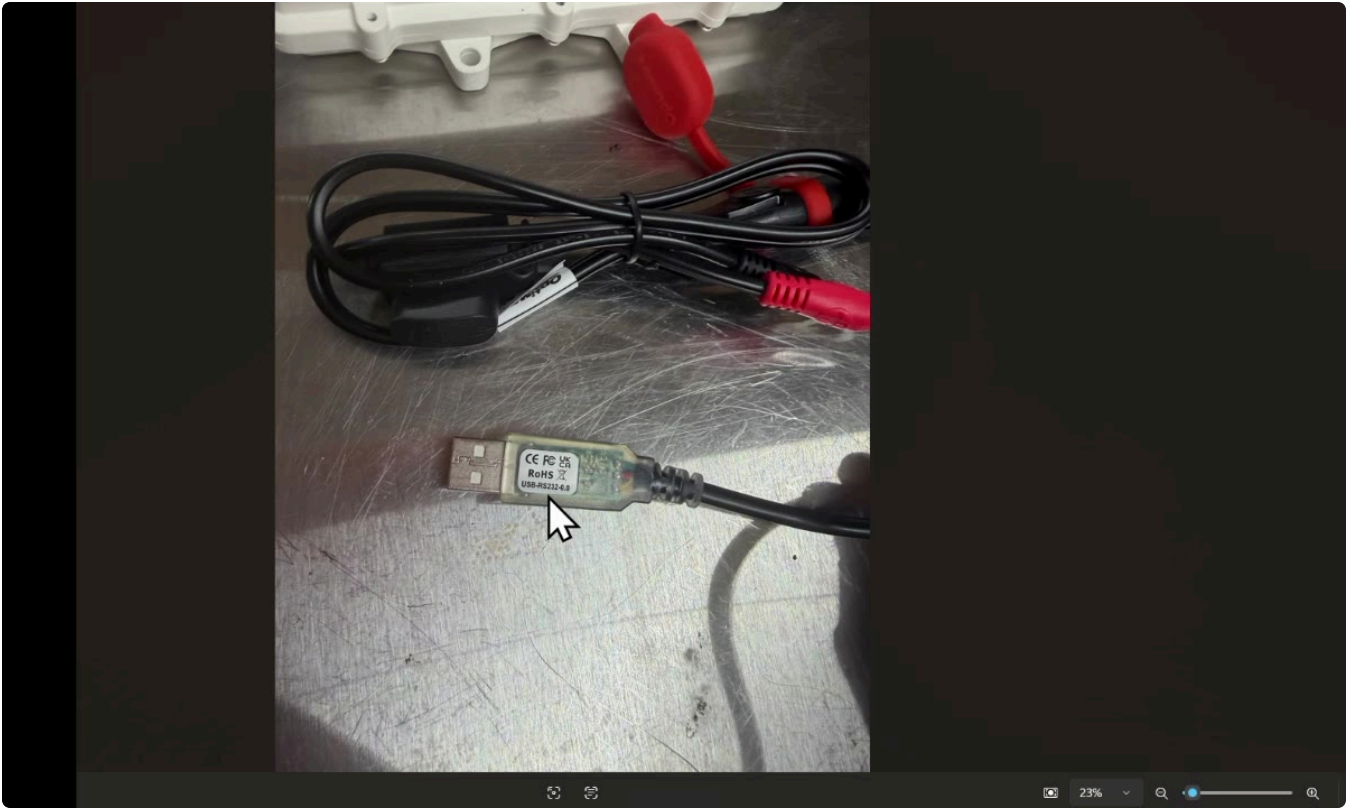
You need: a Windows laptop, the SATEL radio, a 12 V power source, and the SATEL programming cable (USB-to-serial adapter with power leads).

1. Connect the hardware

1. Connect the programming cable to the radio's connector.

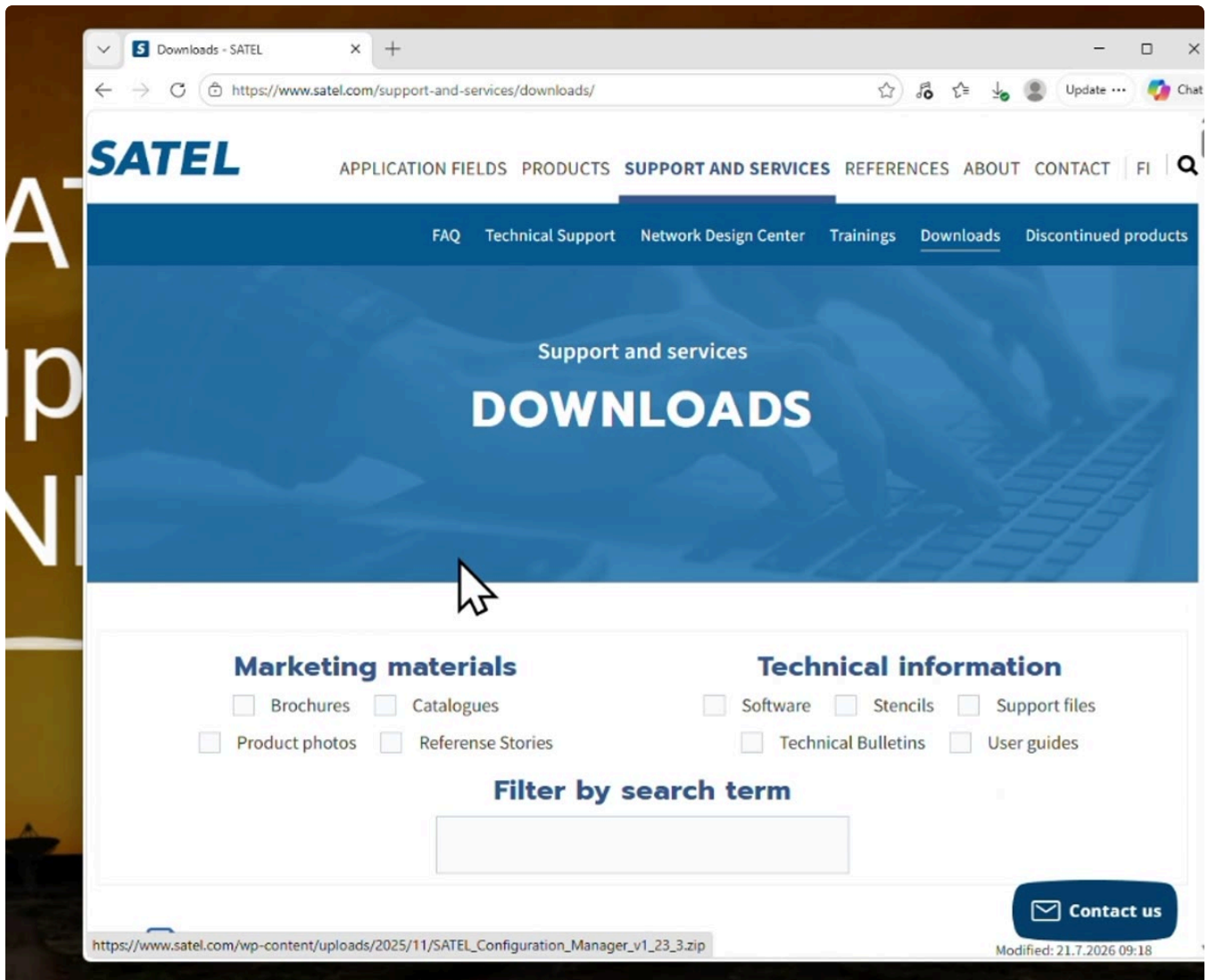


2. Connect the red/black power clips to 12 V power, and plug the USB end into the laptop.

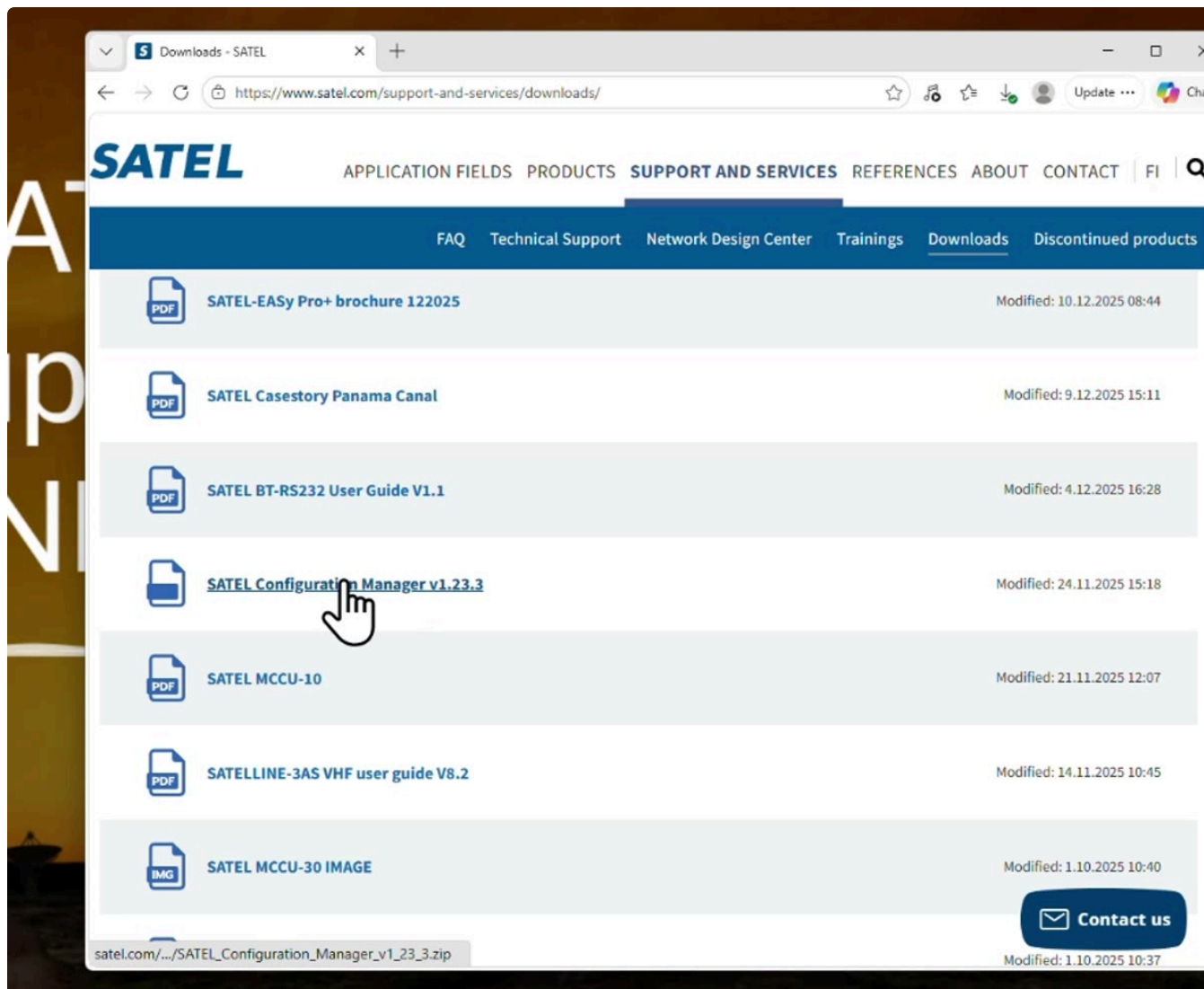


2. Download and install the software

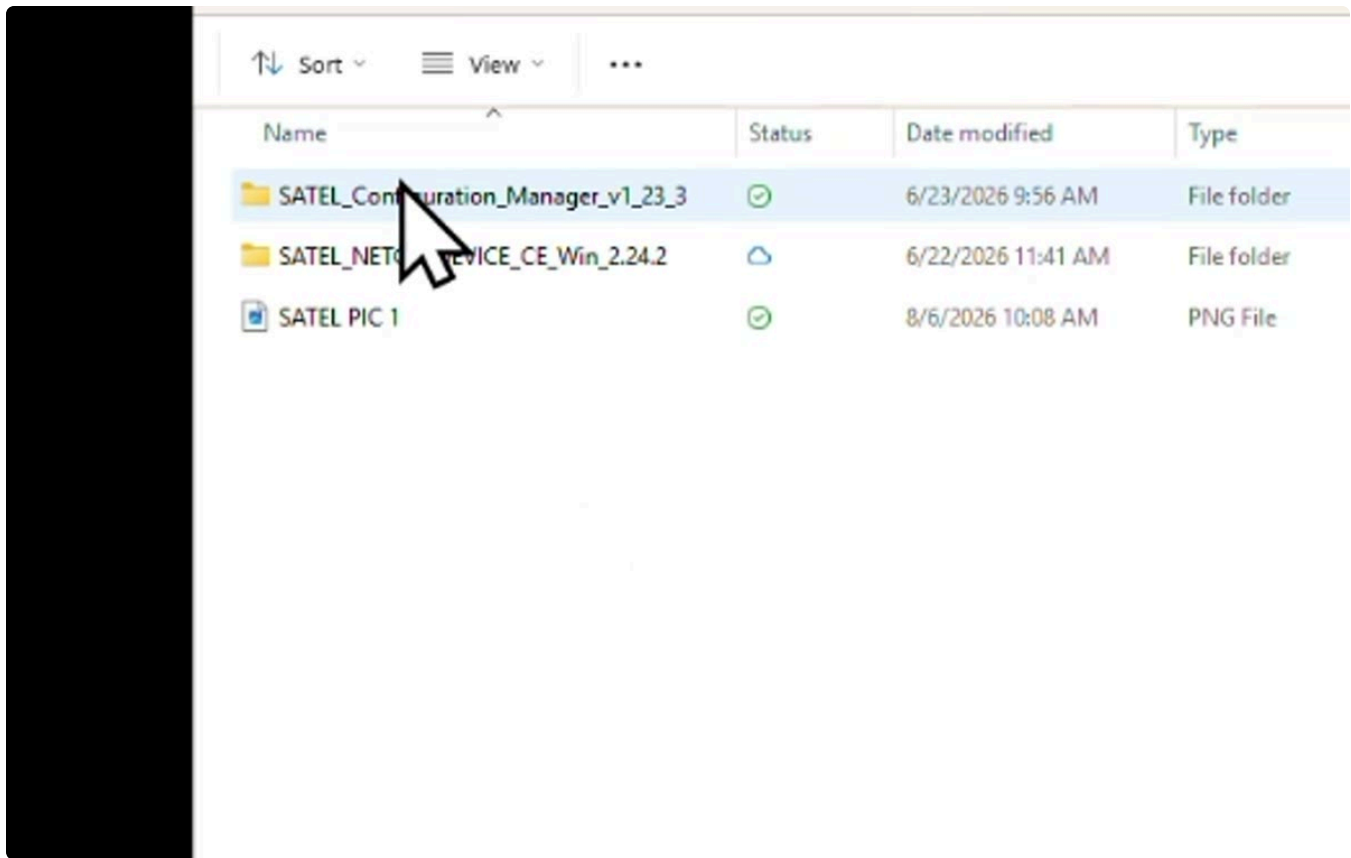
1. Go to the SATEL website: **Support and services** → **Downloads**.



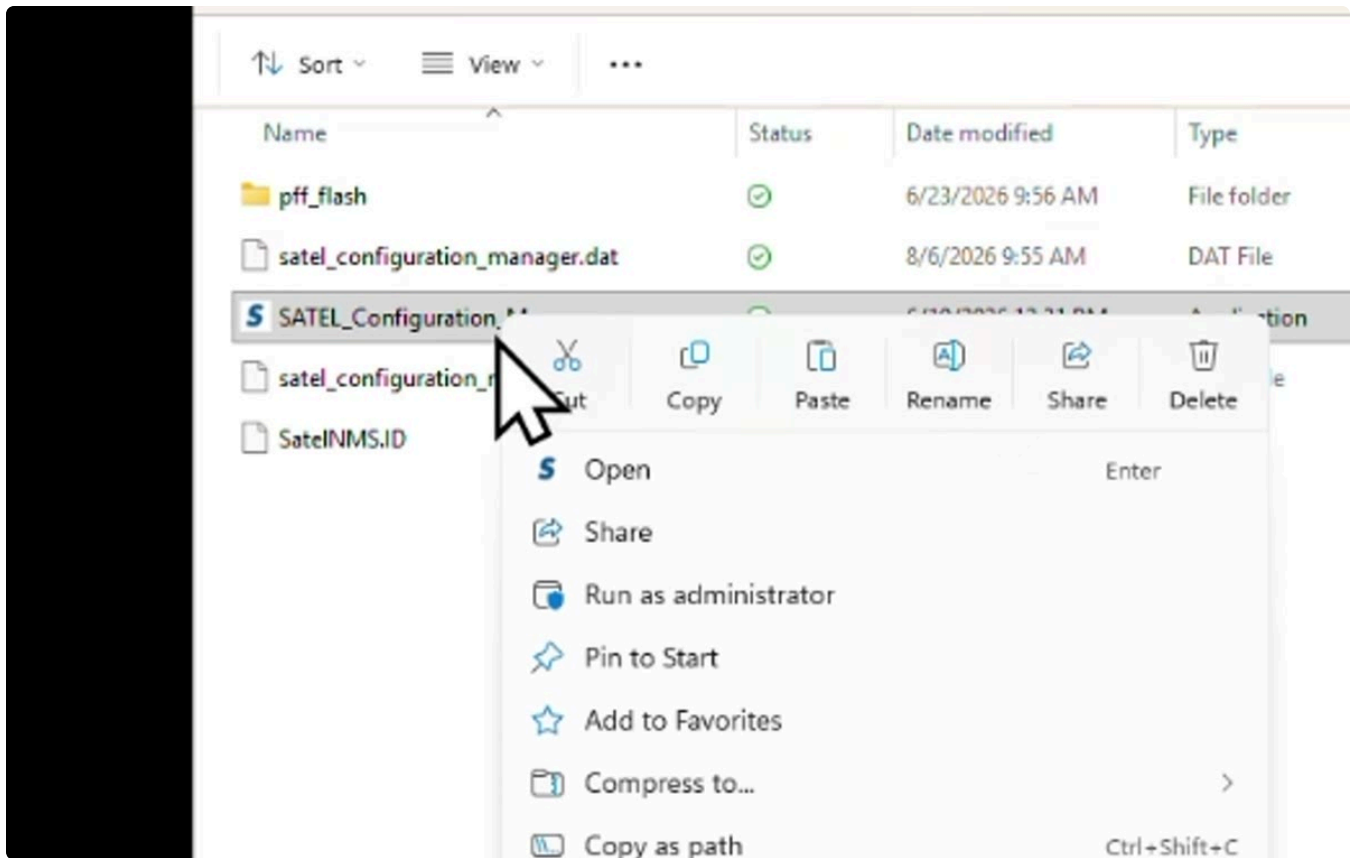
2. Scroll down and download **SATEL Configuration Manager** (v1.23.3 in the video).



3. Open the downloaded zip file and extract the **SATEL_Configuration_Manager** folder.

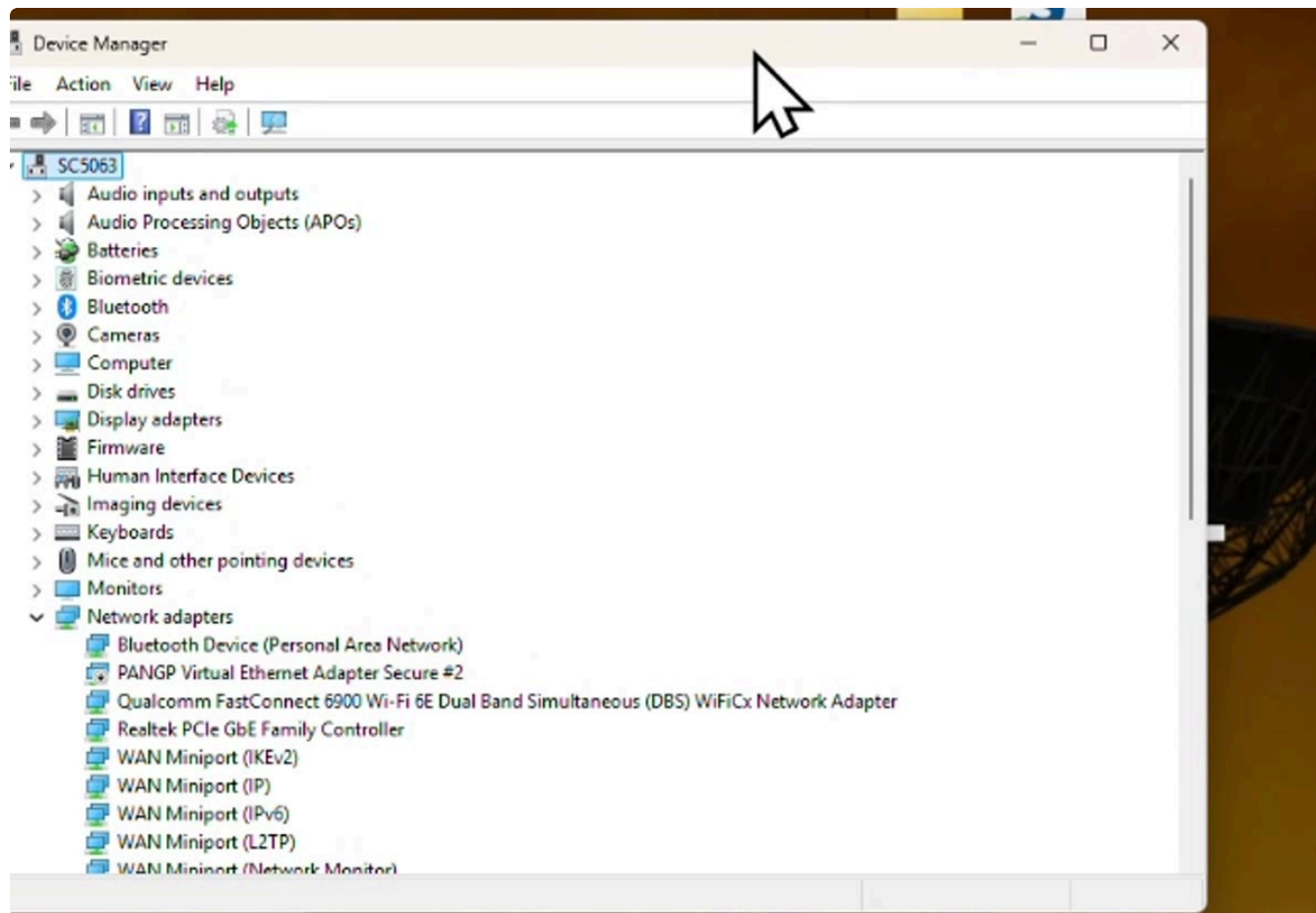


4. Open the folder, right-click **SATEL_Configuration_Manager** and choose **Open** (or **Run as administrator**) to start it. Pin a shortcut to the desktop for next time.

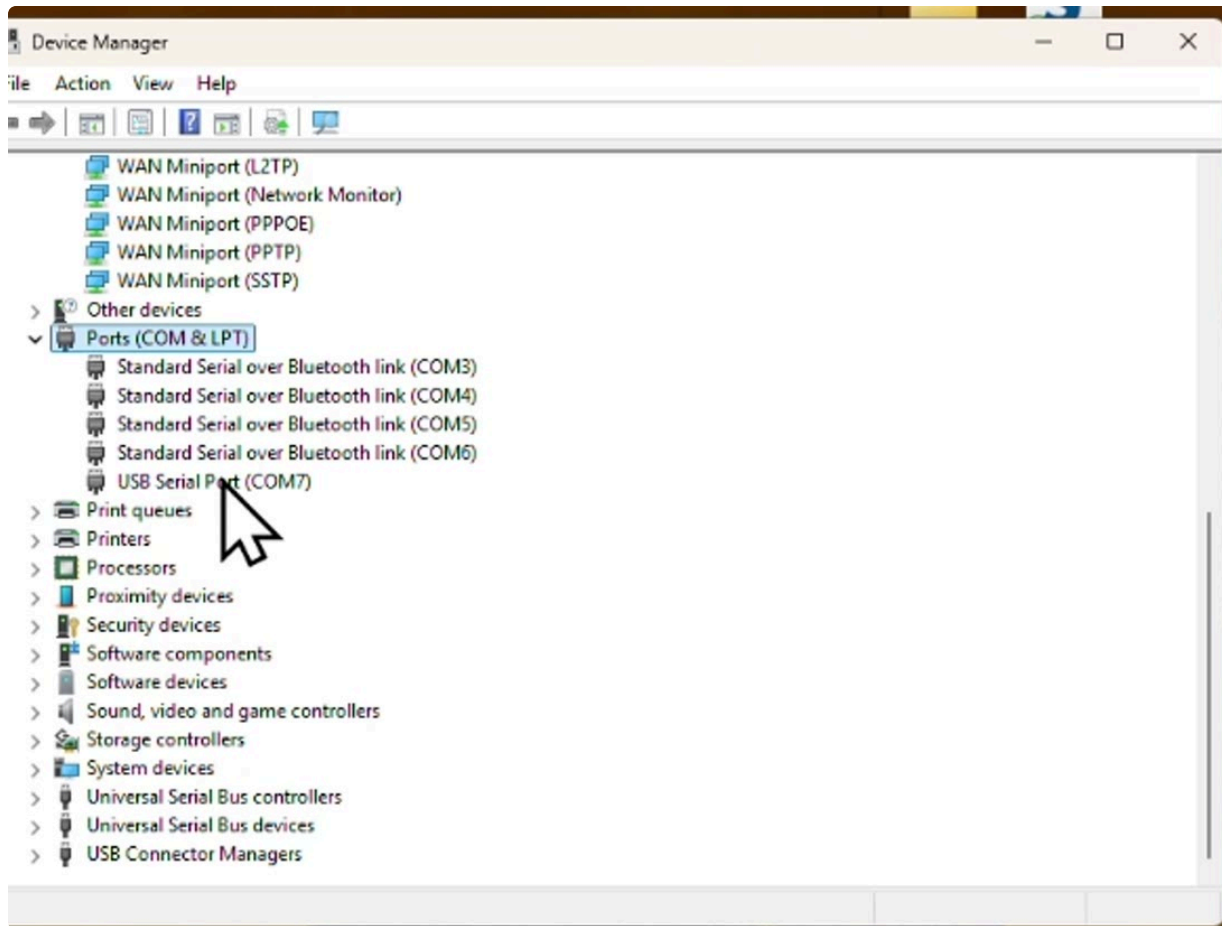


3. Find the COM port

1. Open **Device Manager** in Windows.



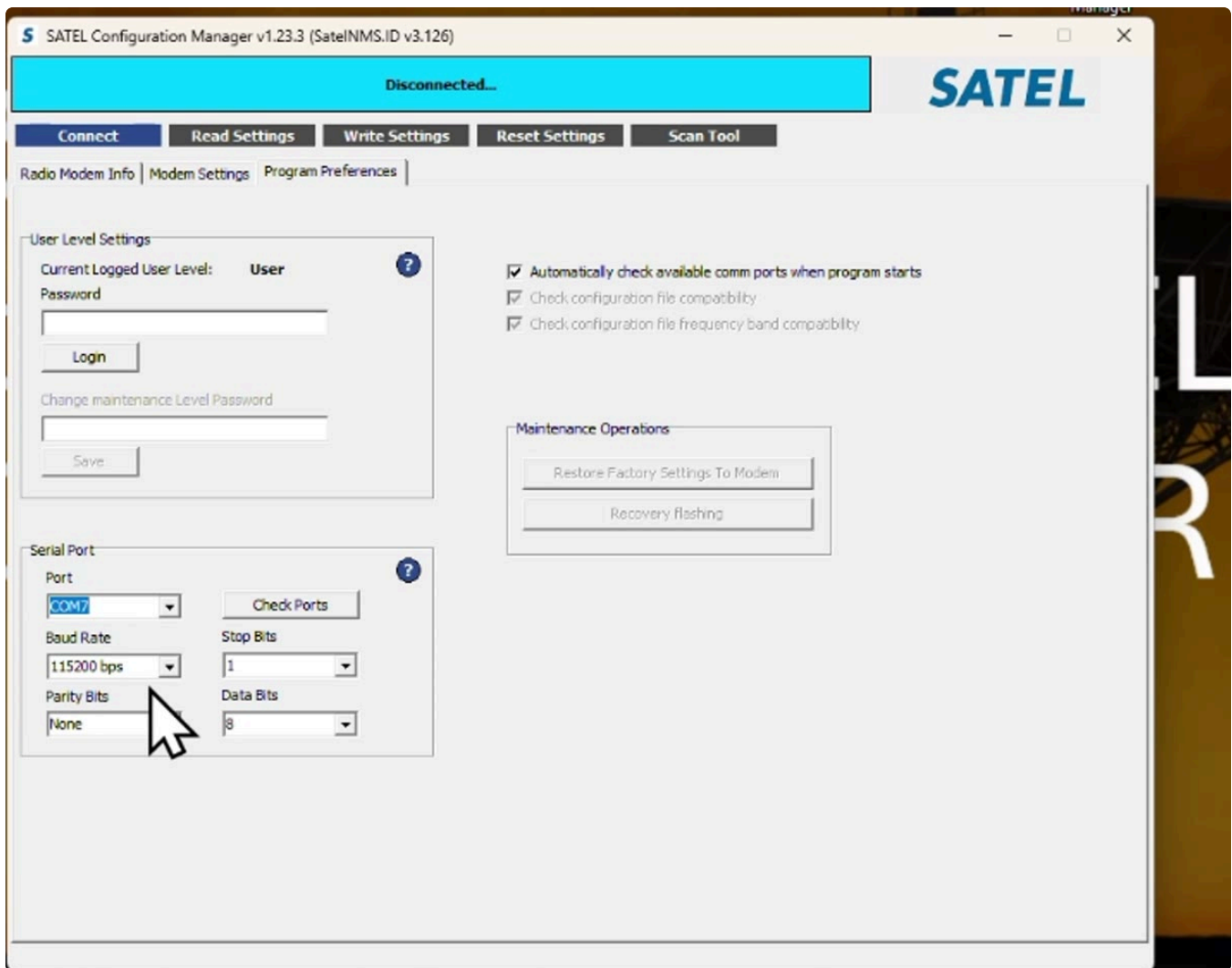
2. Expand **Ports (COM & LPT)**. Look for **USB Serial Port (COMx)**. This is the programming cable (COM7 in the video). Ignore the *Standard Serial over Bluetooth link* ports.



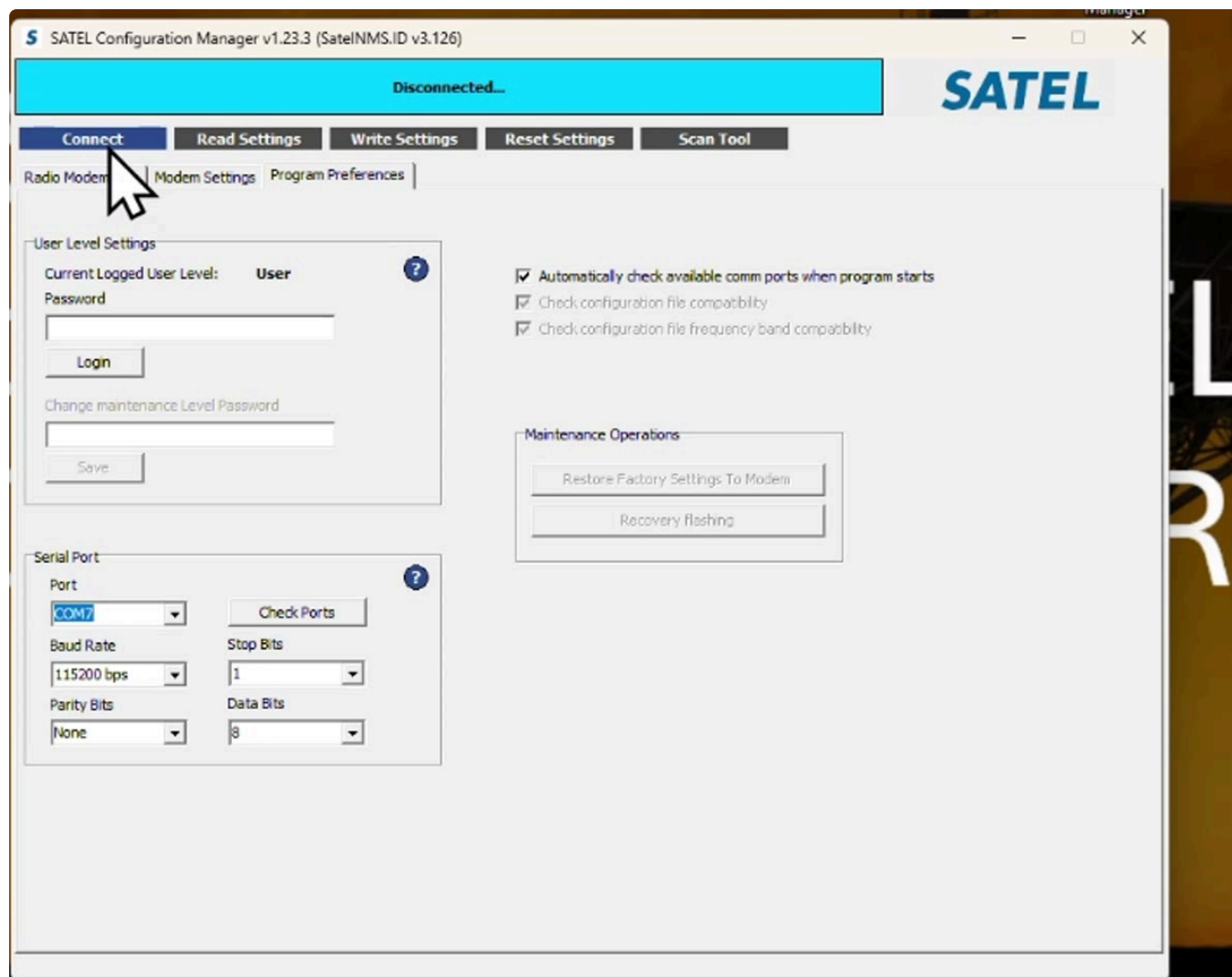
Tip: If you're not sure which port it is, unplug the cable and see which port disappears.

4. Connect to the radio

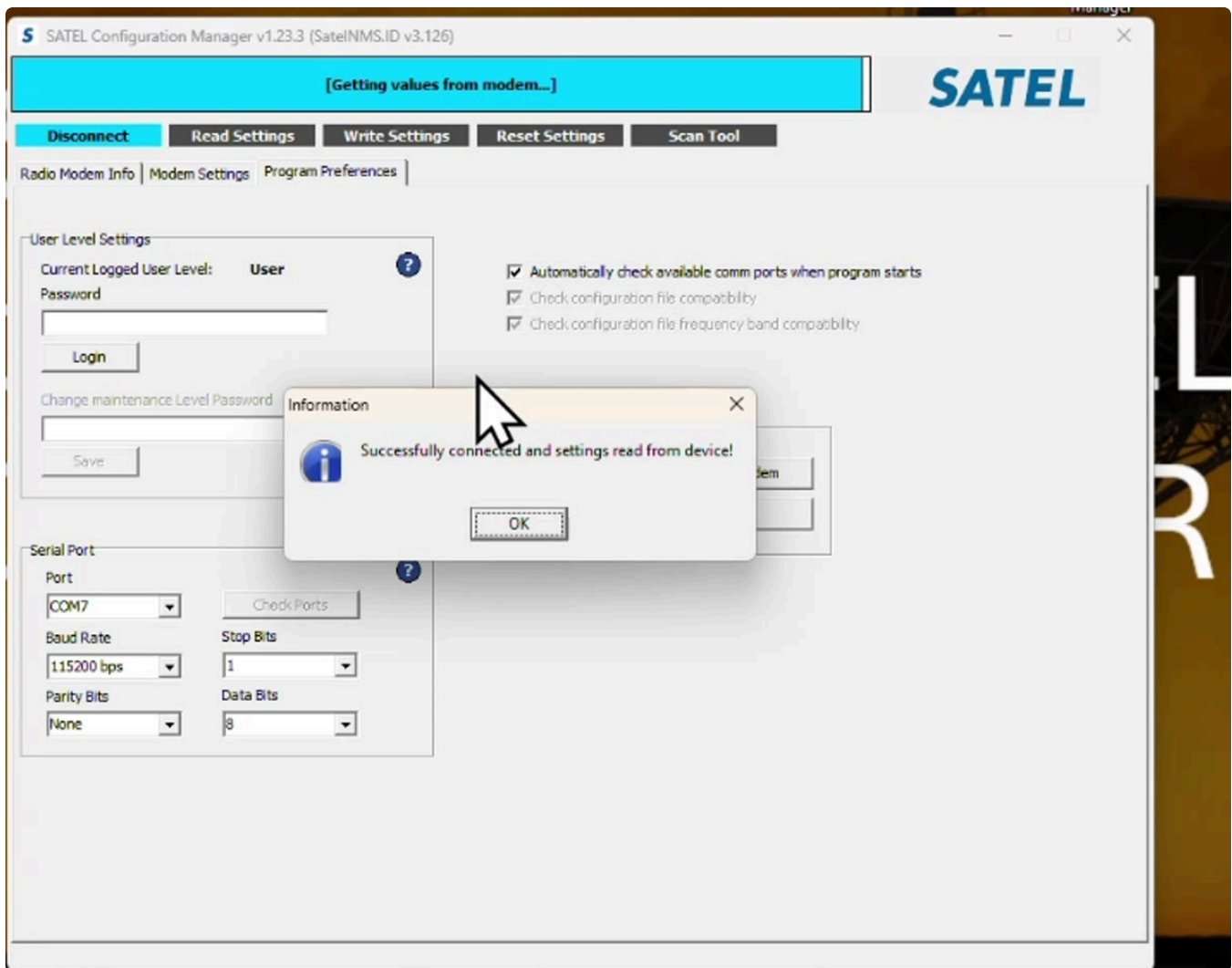
1. Start SATEL Configuration Manager and open the **Program Preferences** tab.
2. Under **Serial Port**, set:
 - **Port:** the COM port you found (COM7)
 - **Baud Rate:** 115200 bps
 - **Parity Bits:** None, **Stop Bits:** 1, **Data Bits:** 8



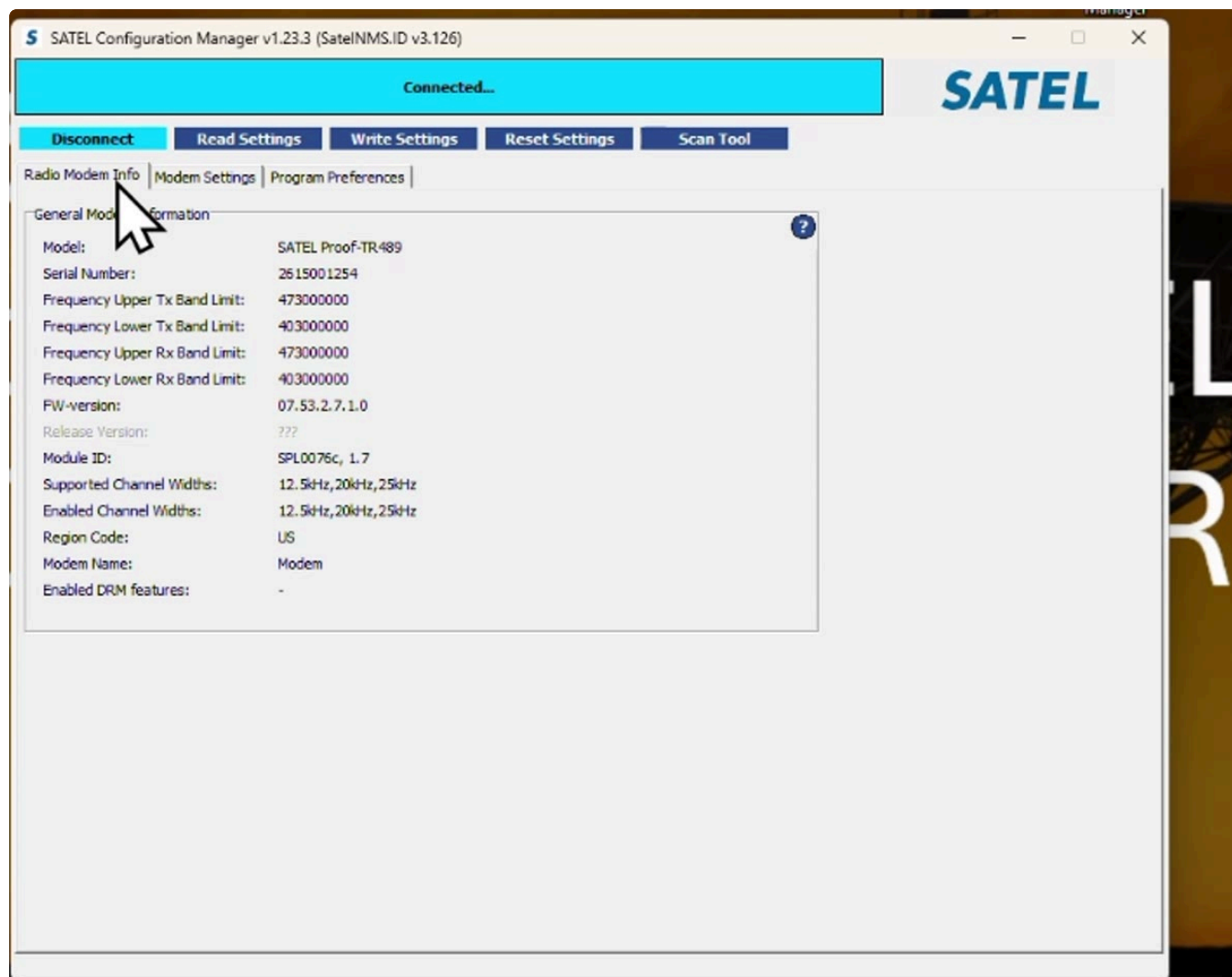
3. Click **Connect**. The bar shows *Getting values from modem...*



4. When you see *"Successfully connected and settings read from device!"*, click **OK**. The bar now reads **Connected...**



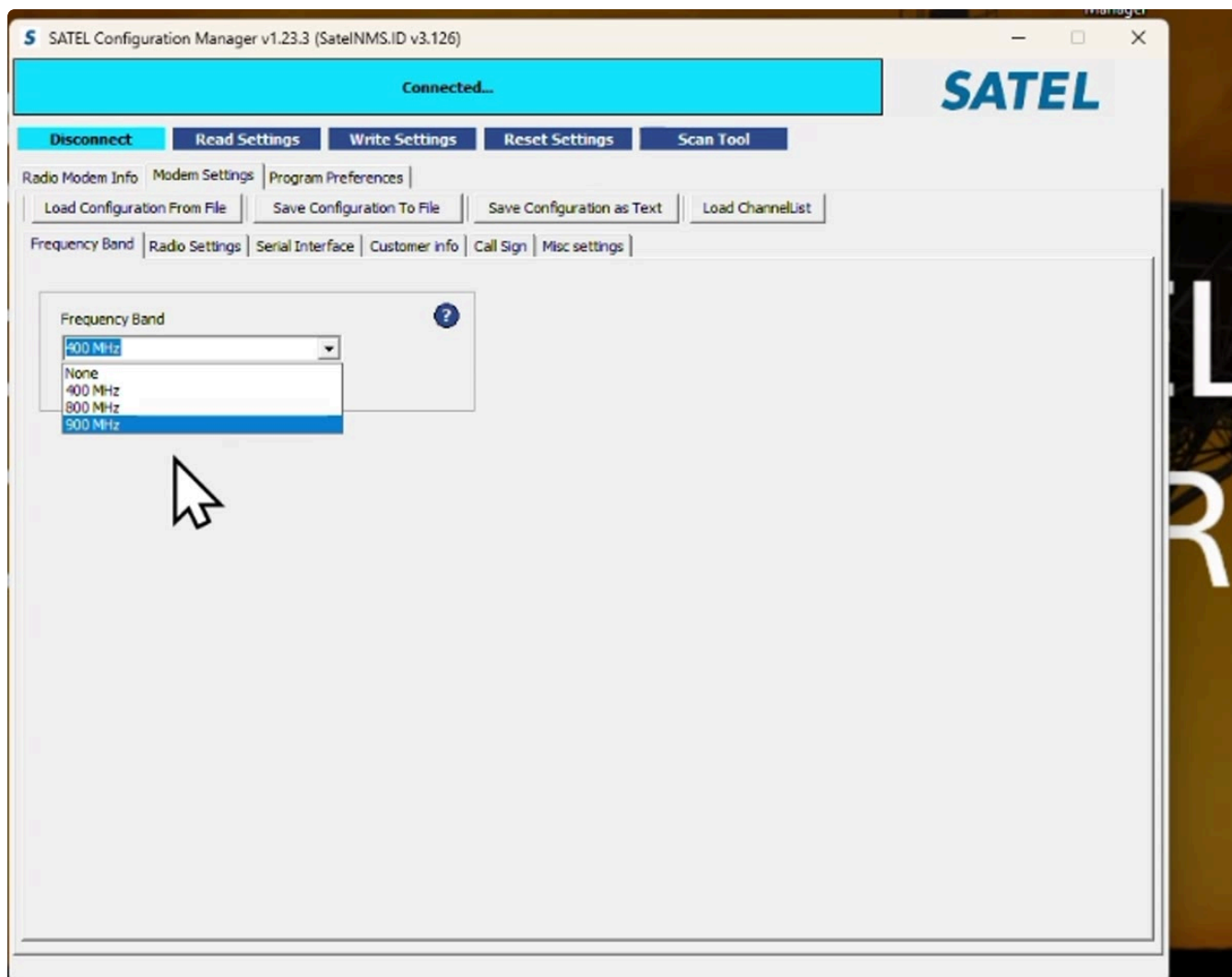
5. The **Radio Modem Info** tab shows the model, serial number, frequency band limits and firmware.



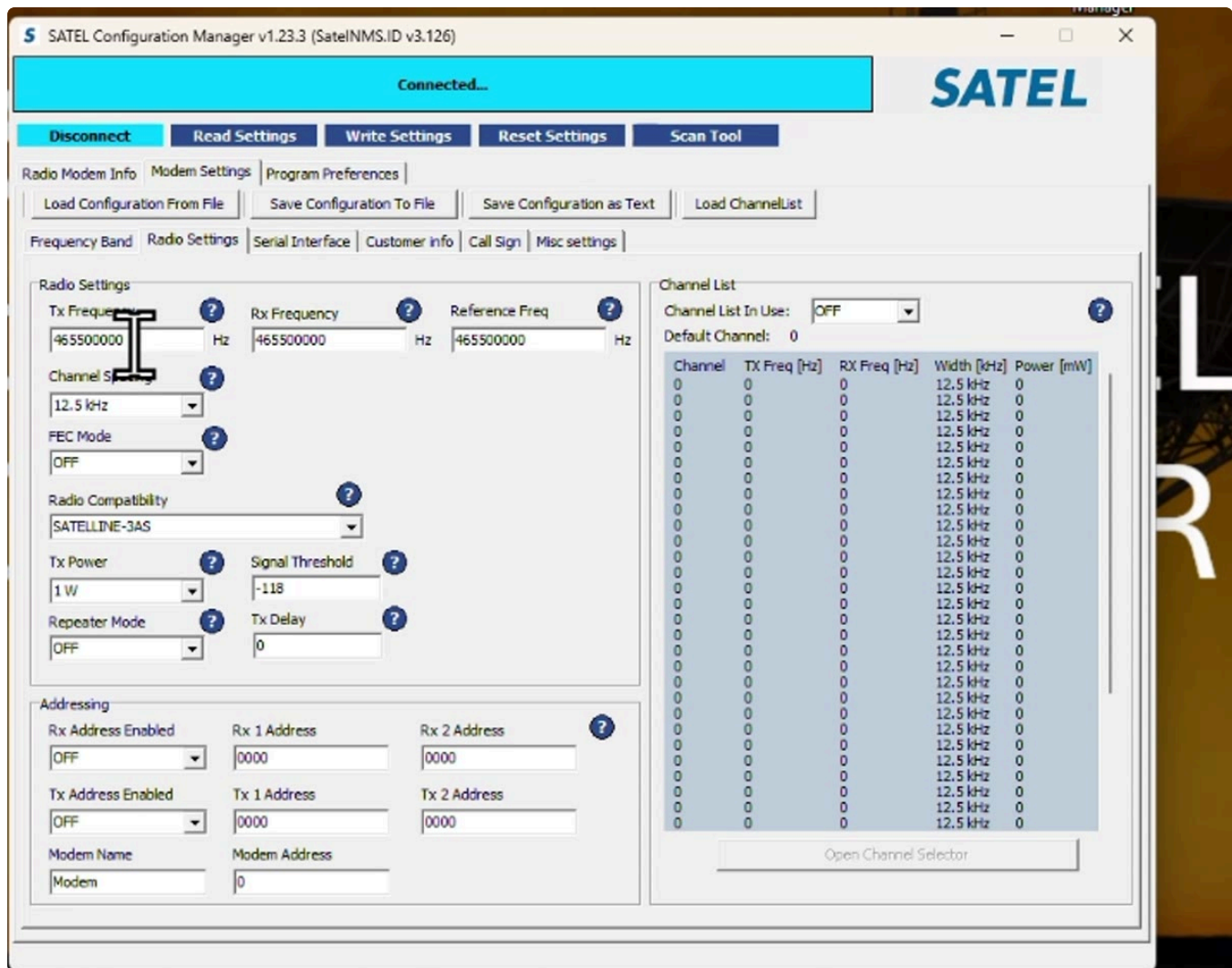
5. Check and change the settings

Open **Modem Settings**. Go through each sub-tab:

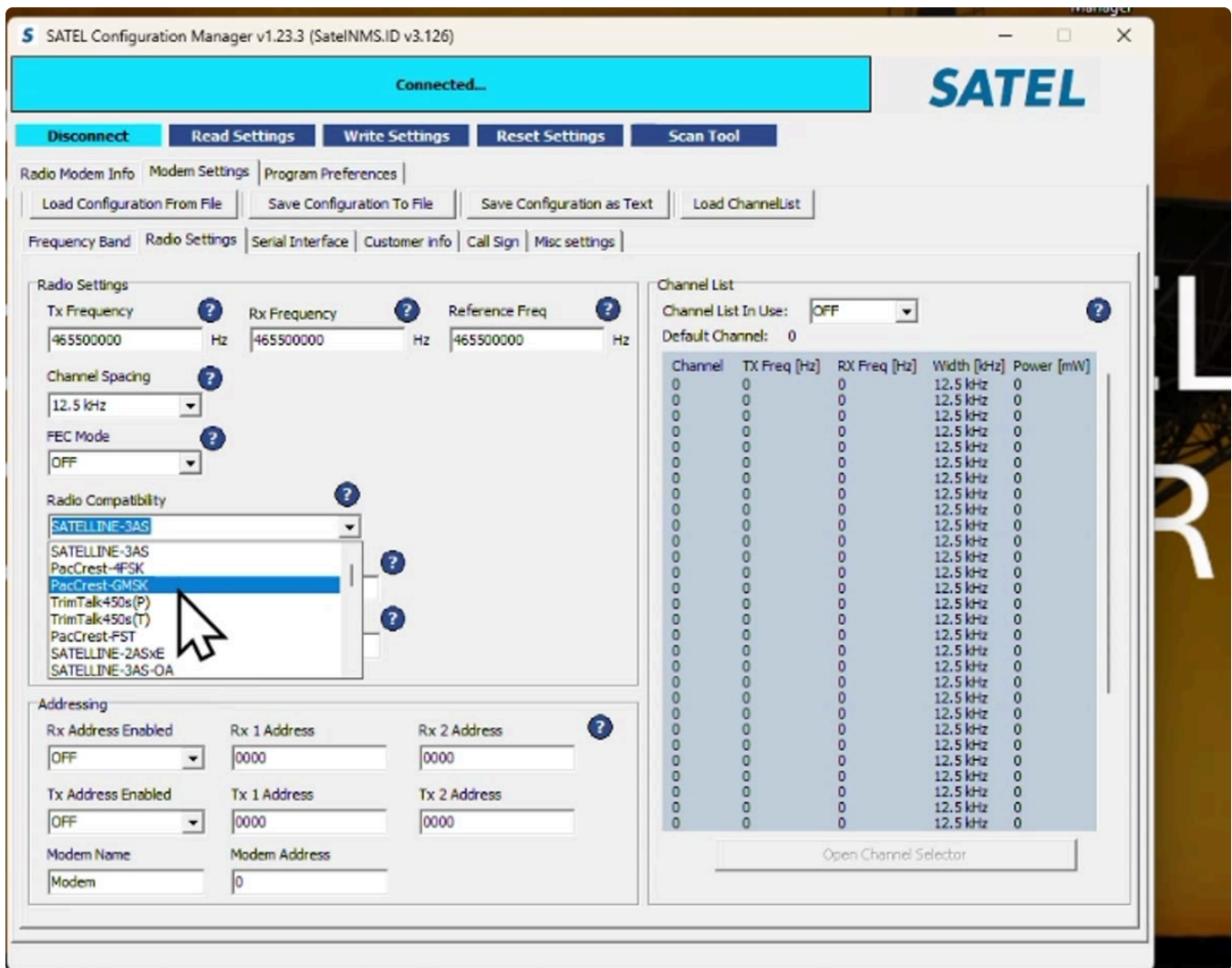
1. **Frequency Band:** pick the radio's band (400 MHz, 800 MHz or 900 MHz).



2. **Radio Settings:** set Tx Frequency, Rx Frequency and Reference Freq (in Hz). Base and rover radios must use the same frequency. In the video: 465500000 Hz.



3. **Radio Compatibility:** choose the protocol that matches the other radio (for example SATELLINE-3AS, PacCrest-4FSK, PacCrest-GMSK, TrimTalk450s).



4. **Channel Spacing:** 6.25, 12.5, 20, 25 or 50 kHz (12.5 kHz in the video). Also check **FEC Mode**, **Tx Power** (1 W) and **Signal Threshold** (−118).

Image — Channel Spacing list

5. **Serial Interface:** Port 1 should be **RS-232**, Function **Data**, **115200 bps**, **8 bits**, **None**, **1 bit**.

Image — Serial Interface

6. **Call Sign**, **Customer info** and **Misc settings:** check them, but in most cases you can leave them as they are.

Image — Call Sign

Image — Customer info

Image — Misc settings

6. Write the settings to the radio

1. Click **Write Settings** at the top.

Image — Write Settings

2. The software writes the settings and reads them back (*Getting values from modem...*). Check that your new values are shown.

Image — Writing and reading back

7. Save a copy and disconnect

1. Click **Save Configuration To File** and save it (the default name is the serial number and band, for example *2615001254_400_MHz*). You can load it into another radio later with **Load Configuration From File**.

Image — Save Configuration To File

2. Click **Disconnect**. At *"Successfully disconnected"*, click **OK**, then unplug the cable.

Image — Successfully disconnected

Tips

- No connection? Check the COM port number, the baud rate (115200) and that the radio has power.
- Always click **Write Settings**. Changes on screen don't reach the radio until you do.
- Keep the saved configuration files; they make it quick to set up a replacement radio.