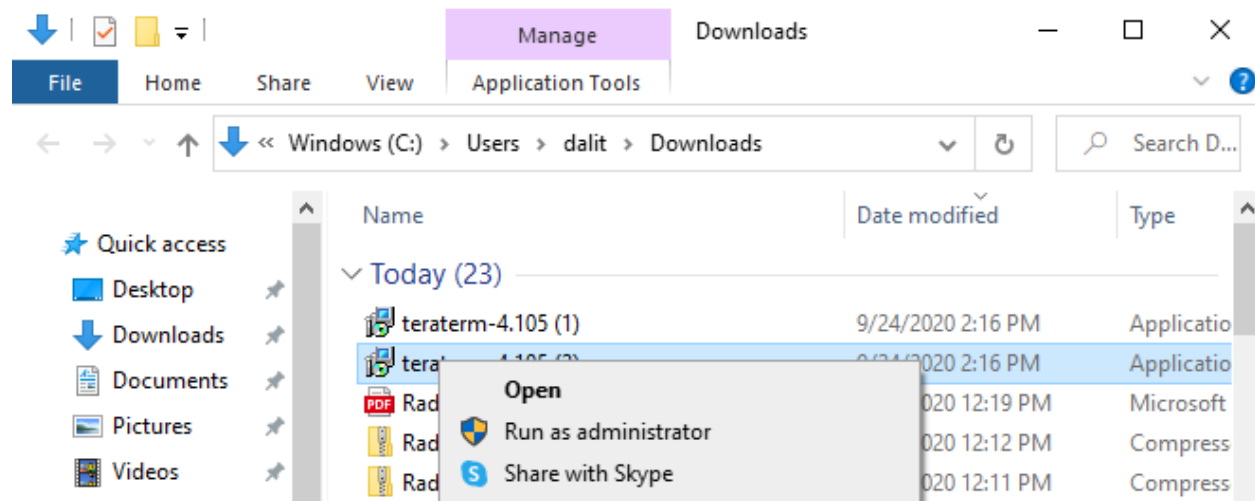


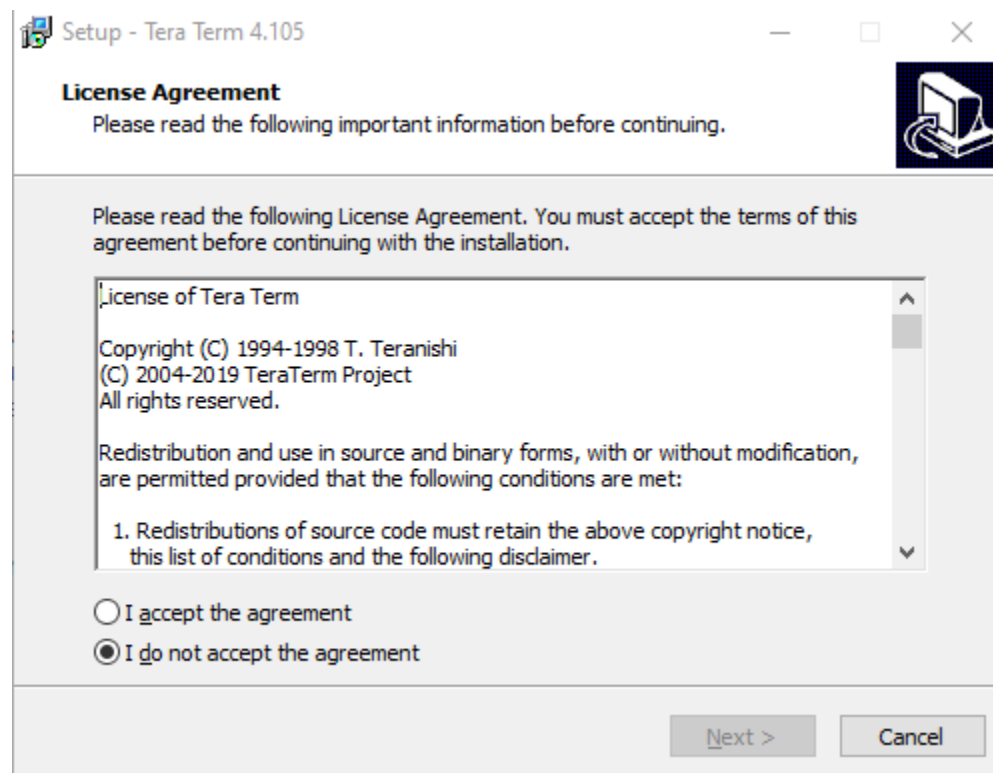
We are finding that some of the more aggressive Web Protection/Virus/Malware applications may be stripping the update and firmware files from the downloaded archive, or when the archive is extracted. The following link will allow you to download a certified virus-free Tera Term application used for the G90 update process

RE: TeraTerm-4.105 <https://tera-term.en.lo4d.com/windows>

On any executable application, **Right-Clicking** on the app will open a selection box in which **Run as Administrator** is an option. Selecting Run as Administrator will ask for your permission to let the app make changes to your computer - **Click YES**

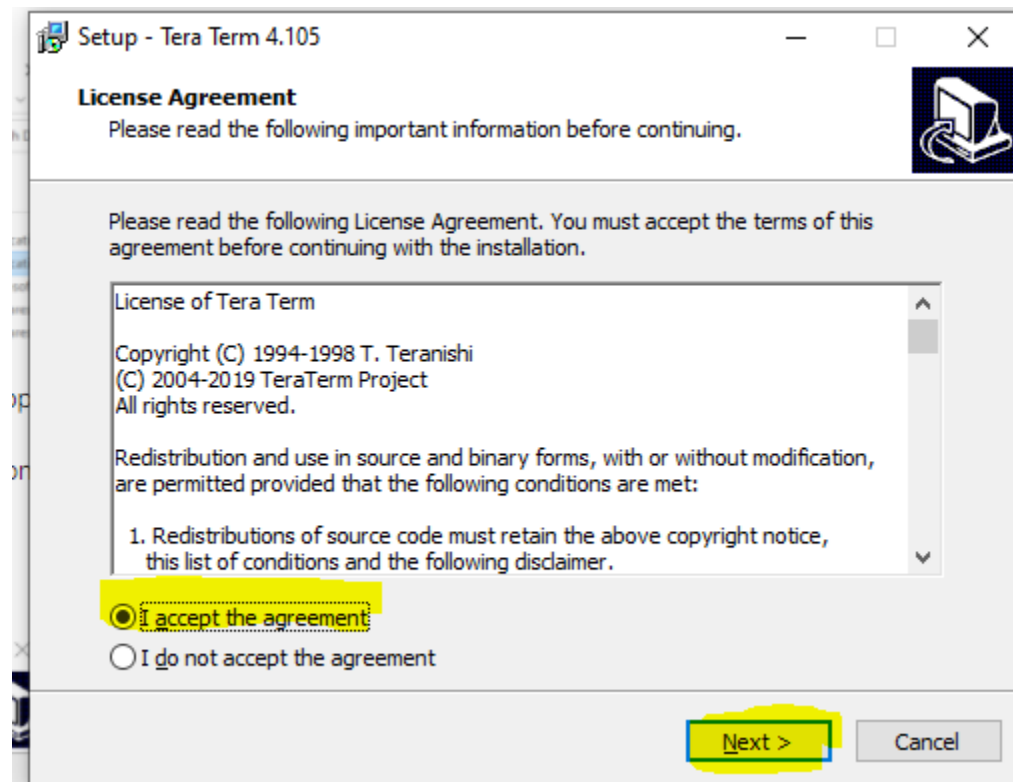


You will next see this:

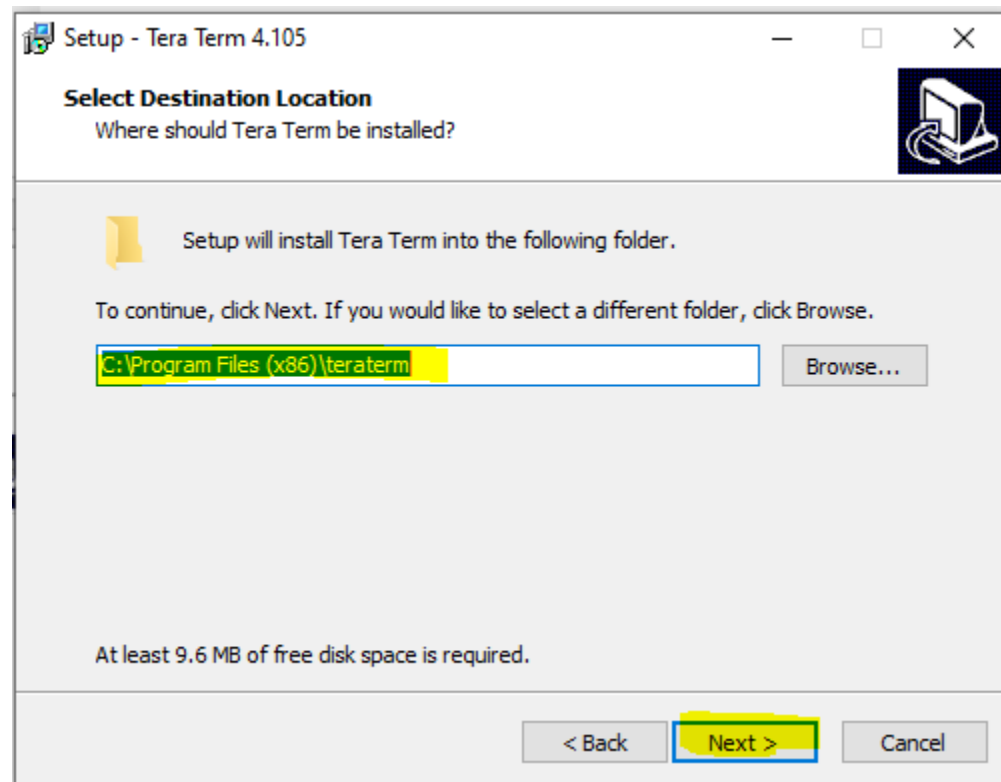


Click on the **I accept the agreement** option and click Next

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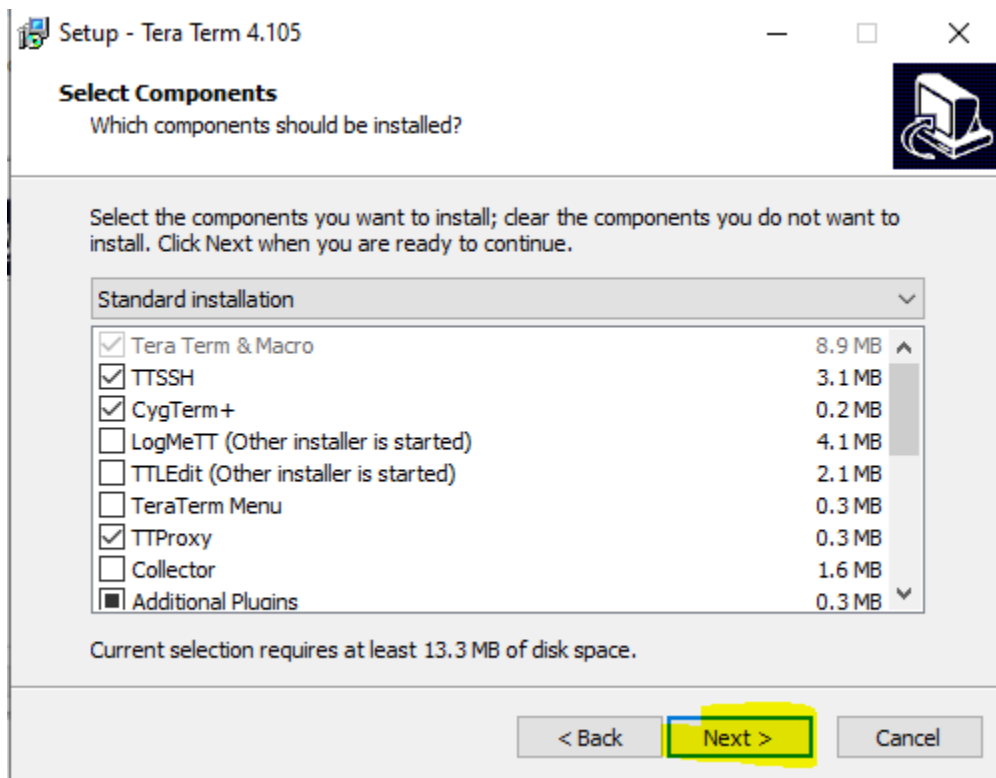


You will be given the option to accept the default installation location or Browse for a new one:

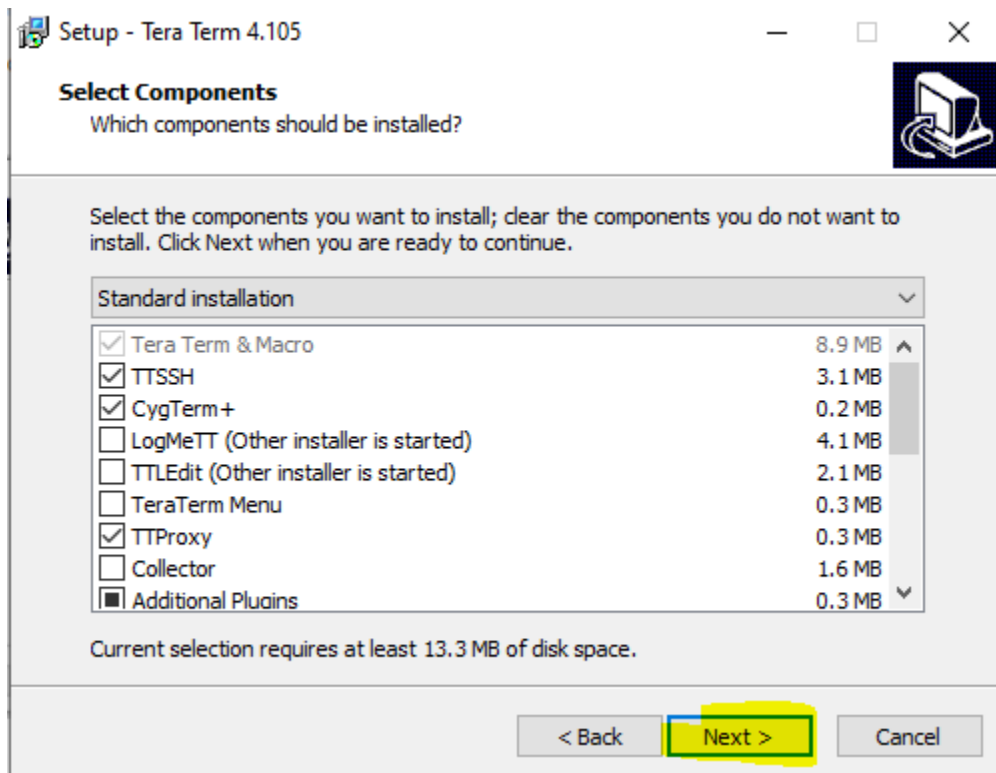


Click Next

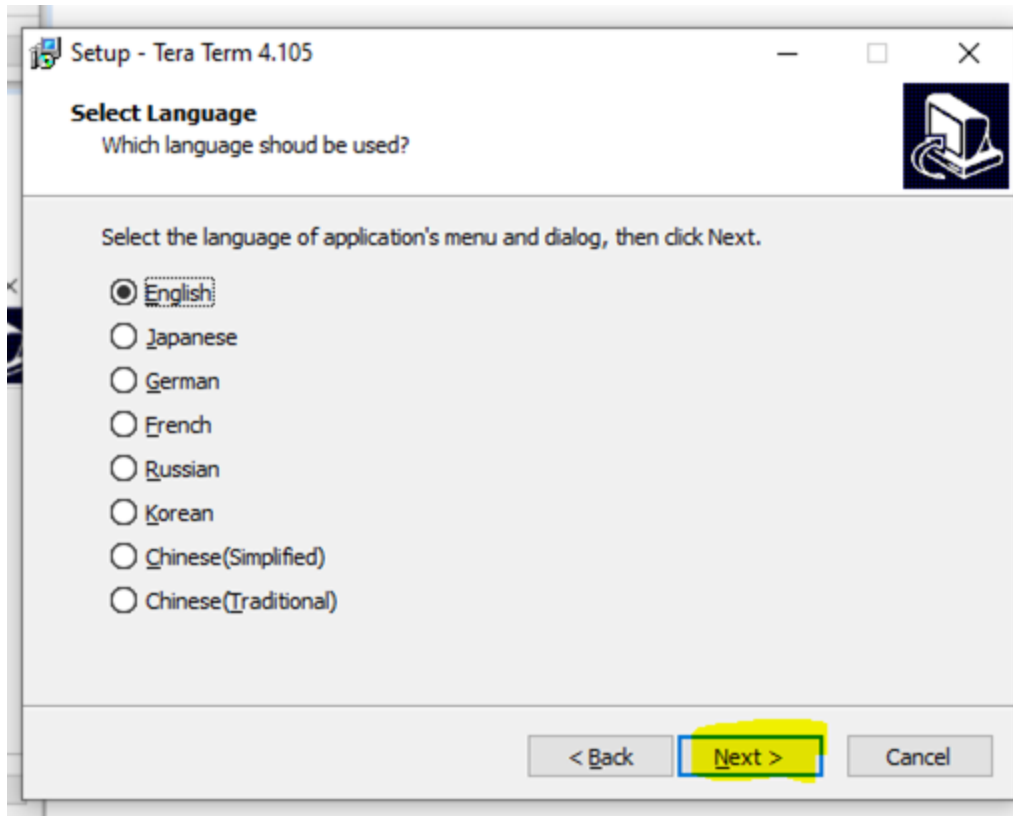
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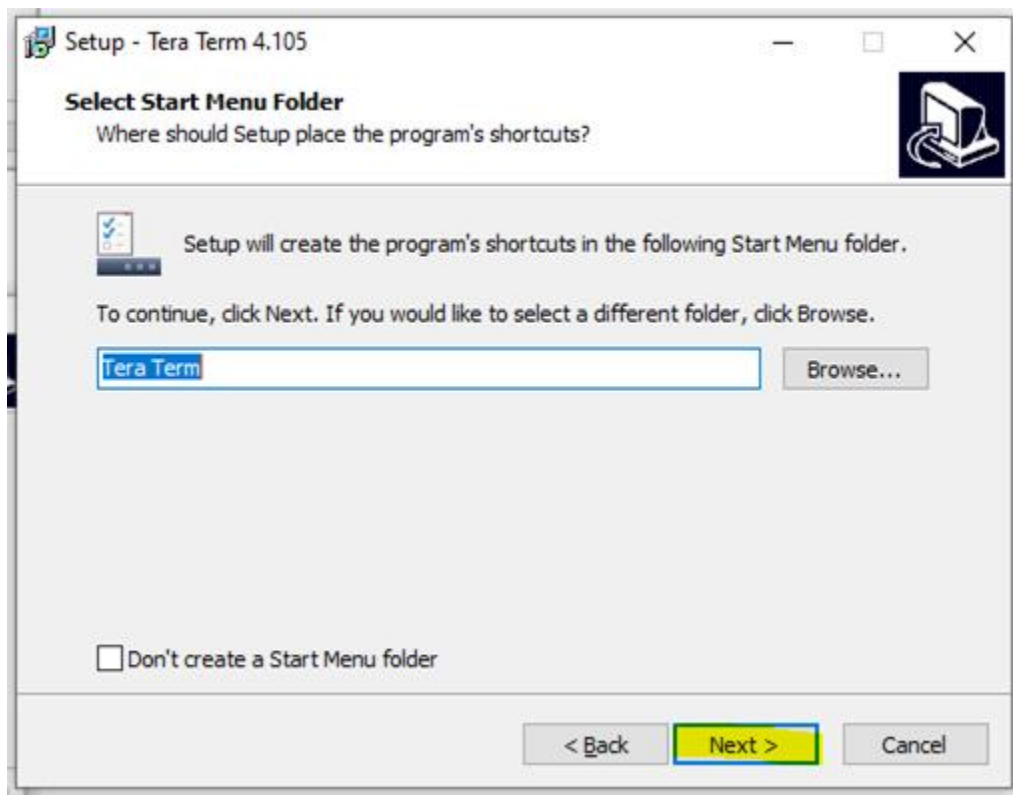
Accept the defaults and click Next



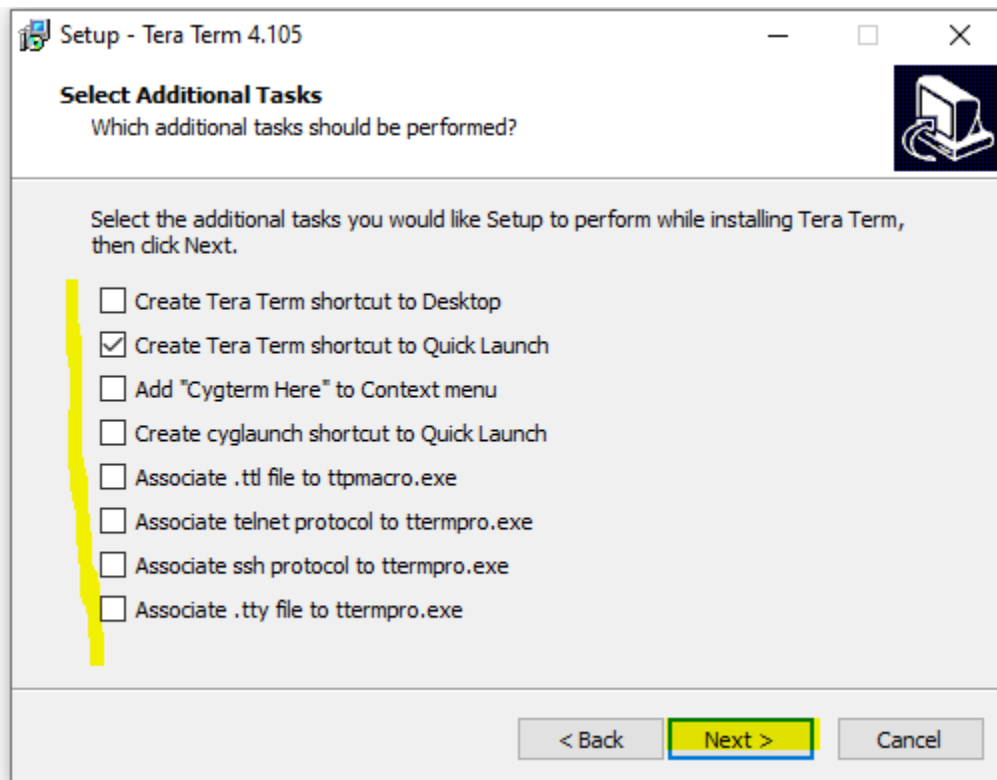
Select Language and click Next



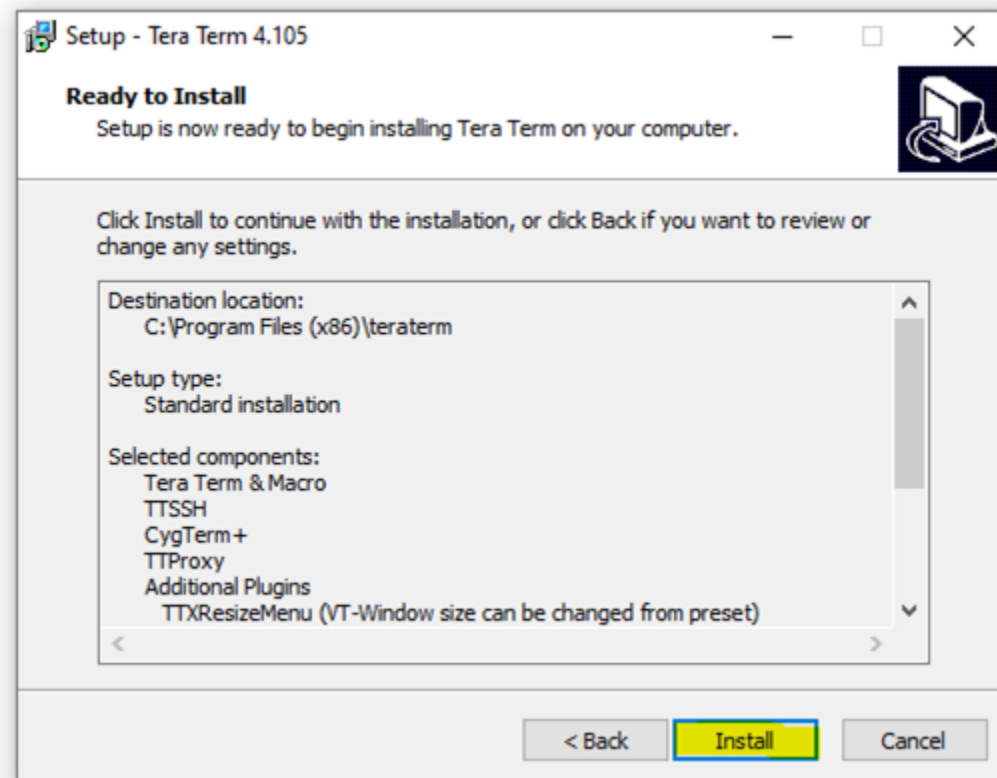
Select default or Browse for Start Menu Folder and click Next



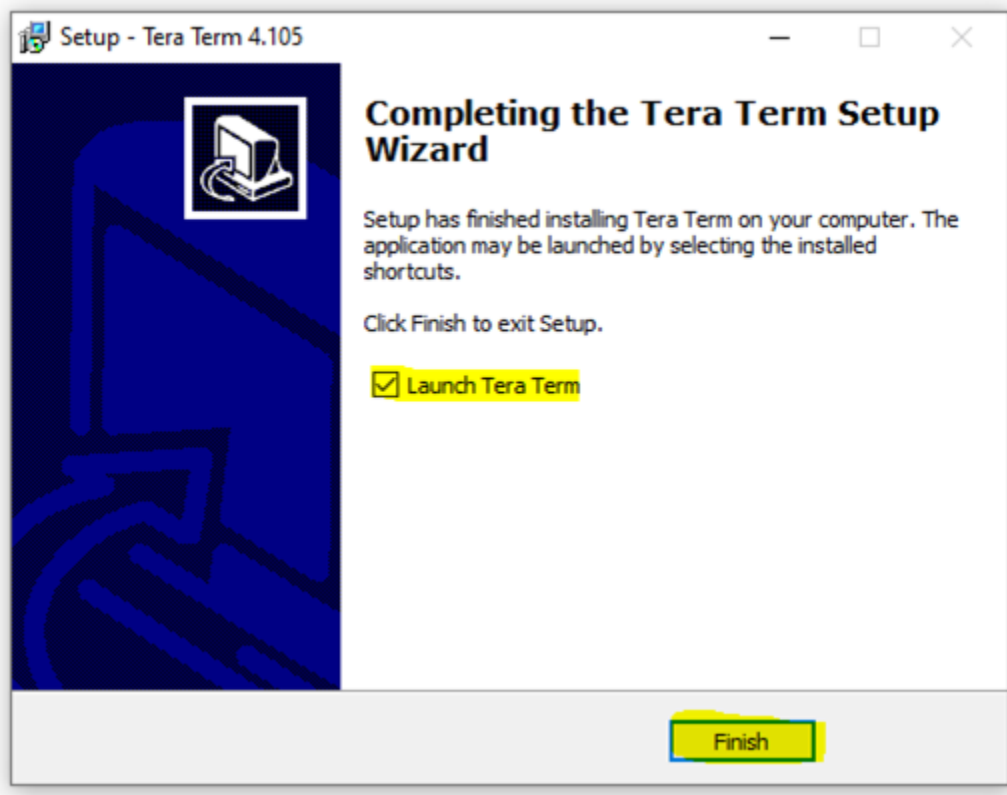
Select additional tasks/options and click Next



Confirm installation options and click **Install**

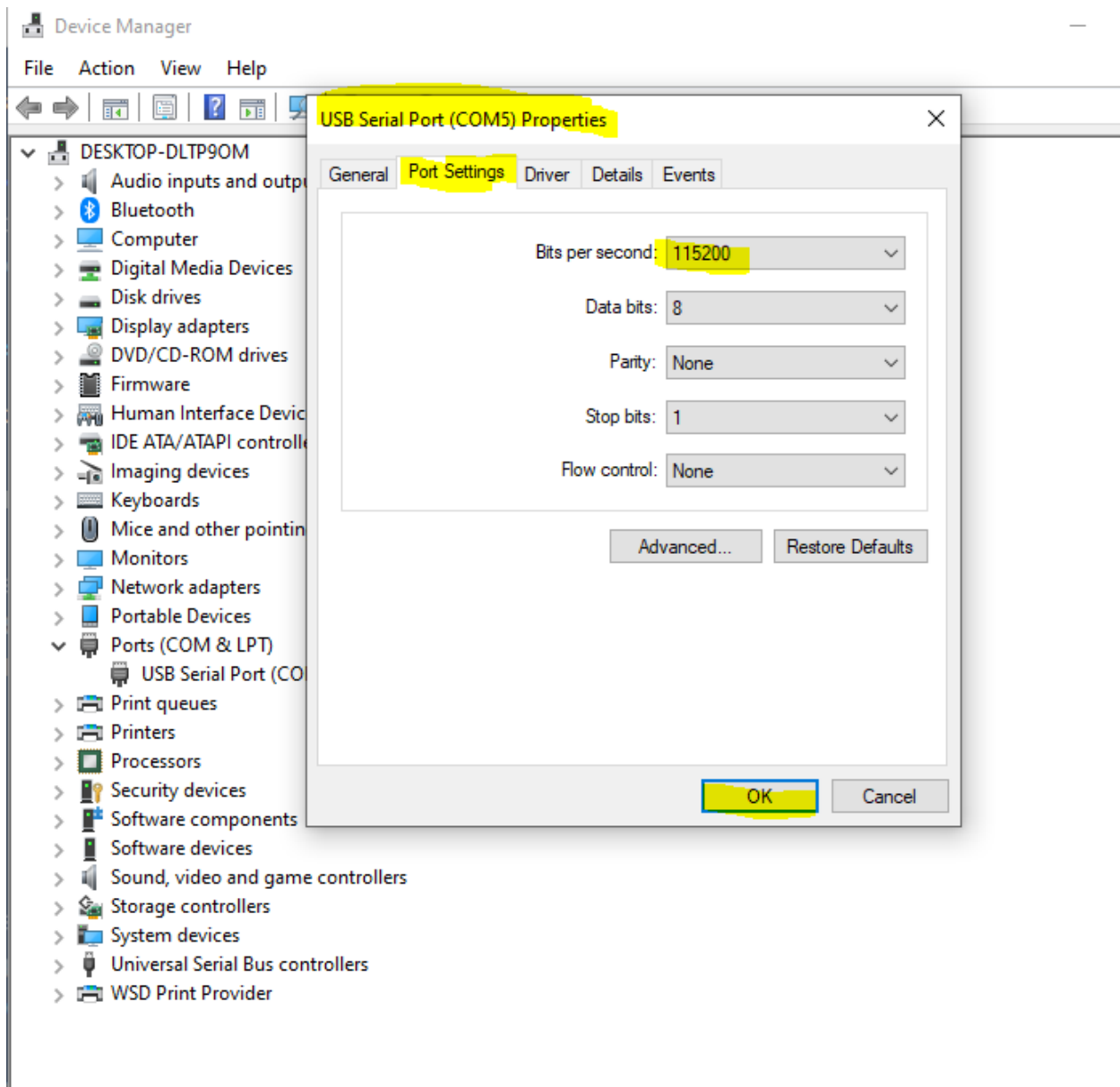


Select Launch Tera Term and click Finish



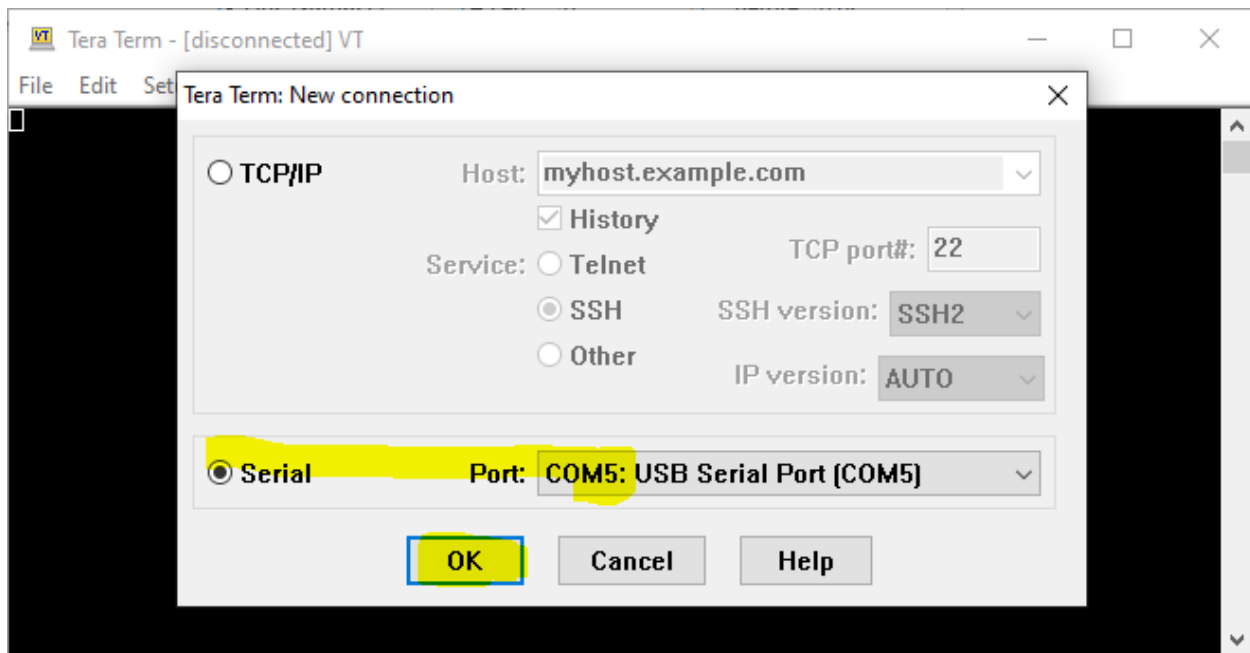
===== >> Plug the Data cable into the COM port on the rear of the main unit <<-----=====

Open **Device Manager**, Click on **Ports (COM & LPT)**
Observe Port number -- **Right-click** on the **USB Serial Port (COMx)** --x is the Com Port Number.
Select **Properties**, then **Port Settings**. Confirm Bits per second is **115200**. Click **OK**

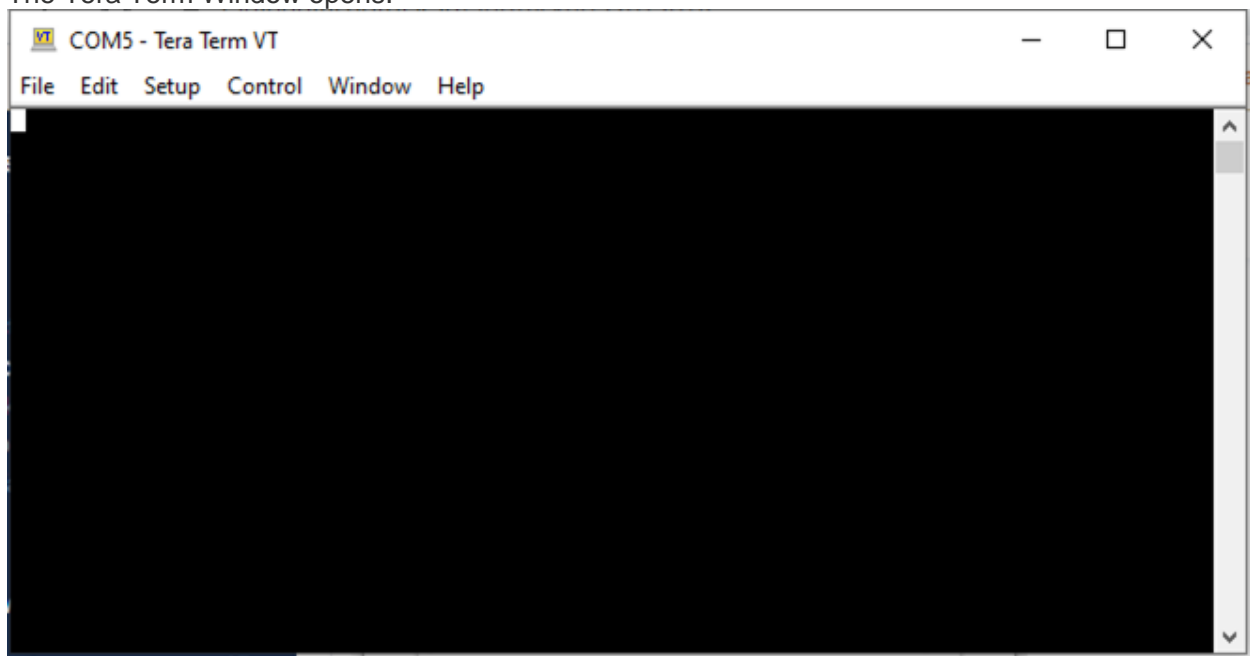


Open TeraTerm if not opened already

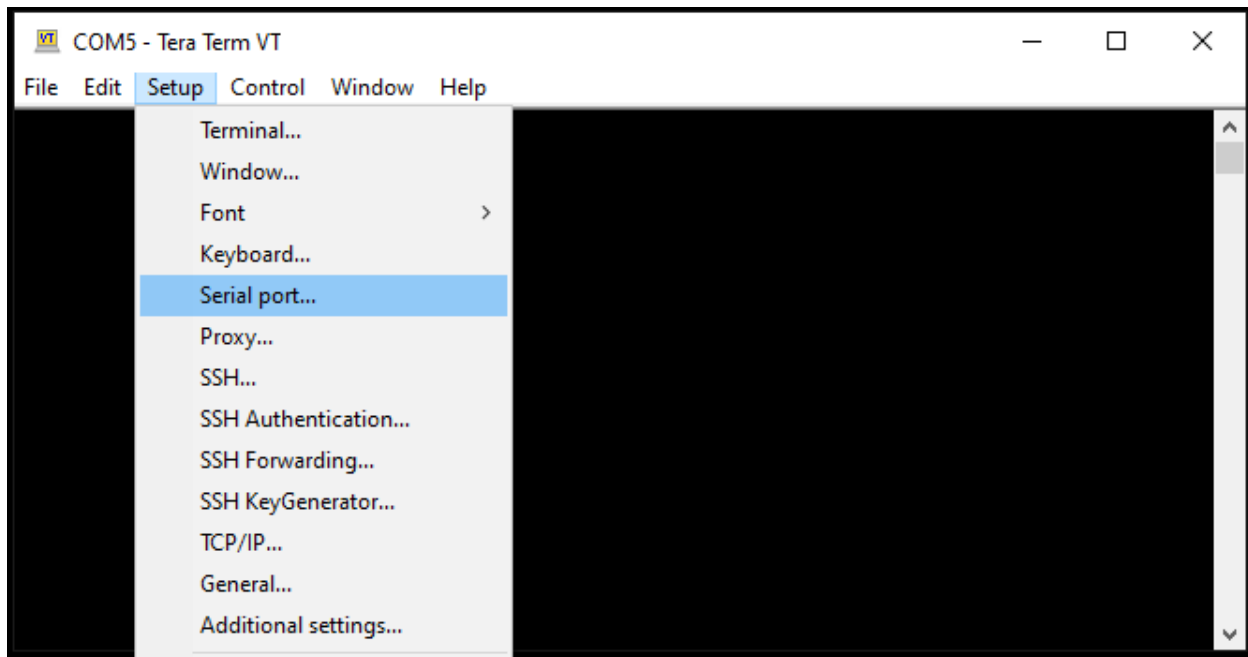
In the Window for Tera Term New Connection, click on the **Serial** selection and confirm it matches the port number in Device Manager.
Click OK in the Tera Term New Connection Window.



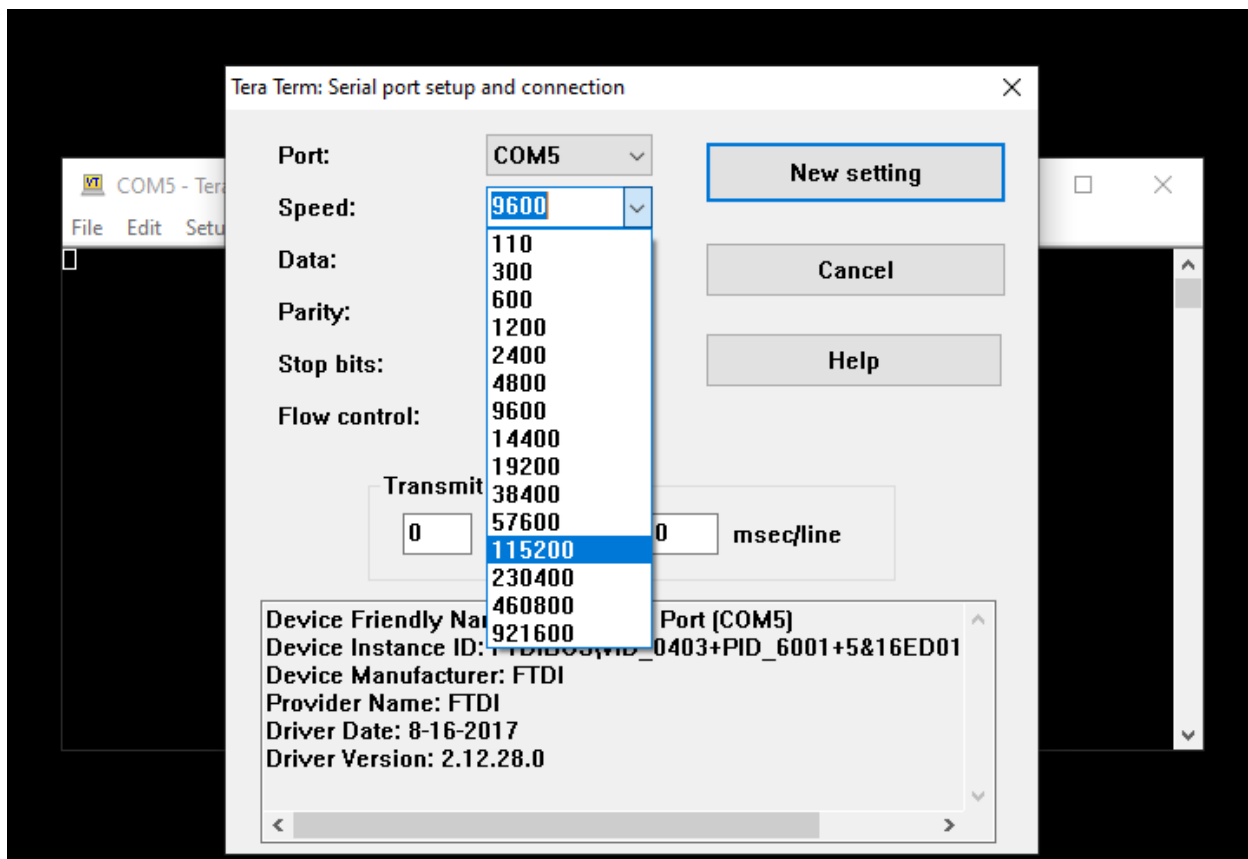
The Tera Term Window opens.



Click on the **Setup** tab at the top of the Tera Term Window and select **Serial Port**

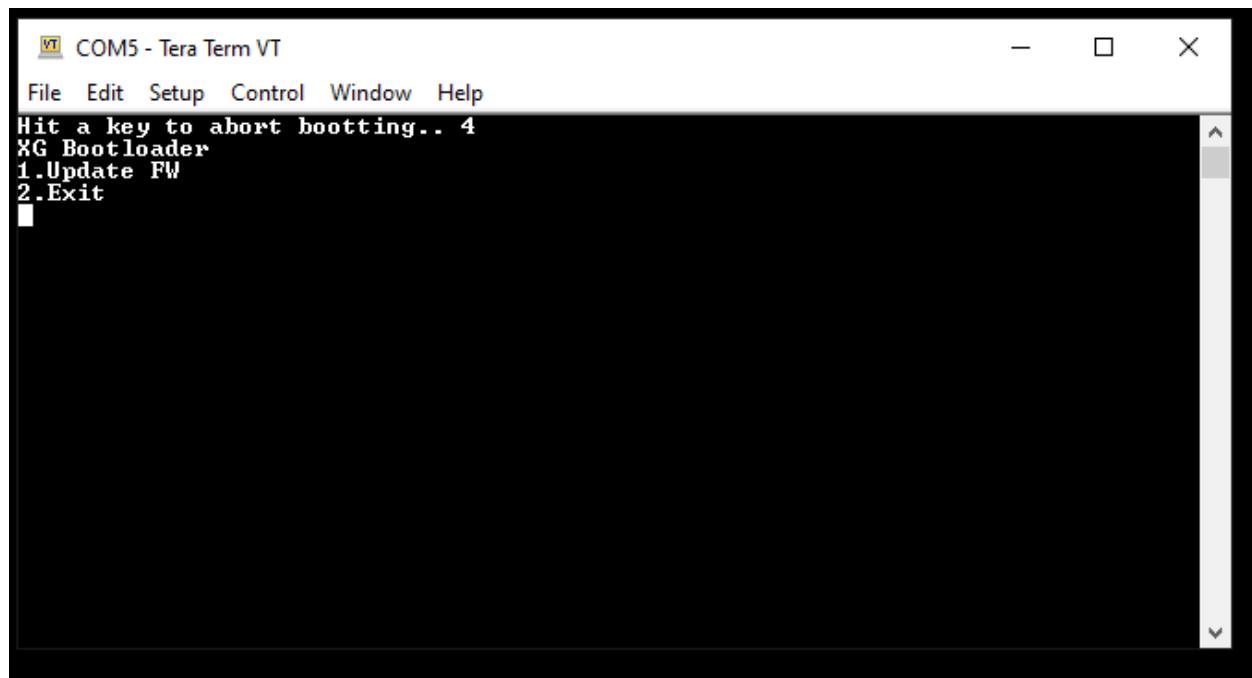


Confirm the Speed is **115200** Click **New Setting**



With G90 connected to a 13.8 Volt DC Power source capable of at least 6 amps current capacity...

HOLD SPACEBAR DOWN and push the G90 Power button



A screenshot of a Tera Term VT window titled "COM5 - Tera Term VT". The window has a menu bar with "File", "Edit", "Setup", "Control", "Window", and "Help". The main text area displays the following text: "Hit a key to abort bootting.. 4", "XG Bootloader", "1.Update FW", and "2.Exit". A cursor is positioned at the end of the "2.Exit" line.

Choose **1. Update FW**
Erasing message and percent shown

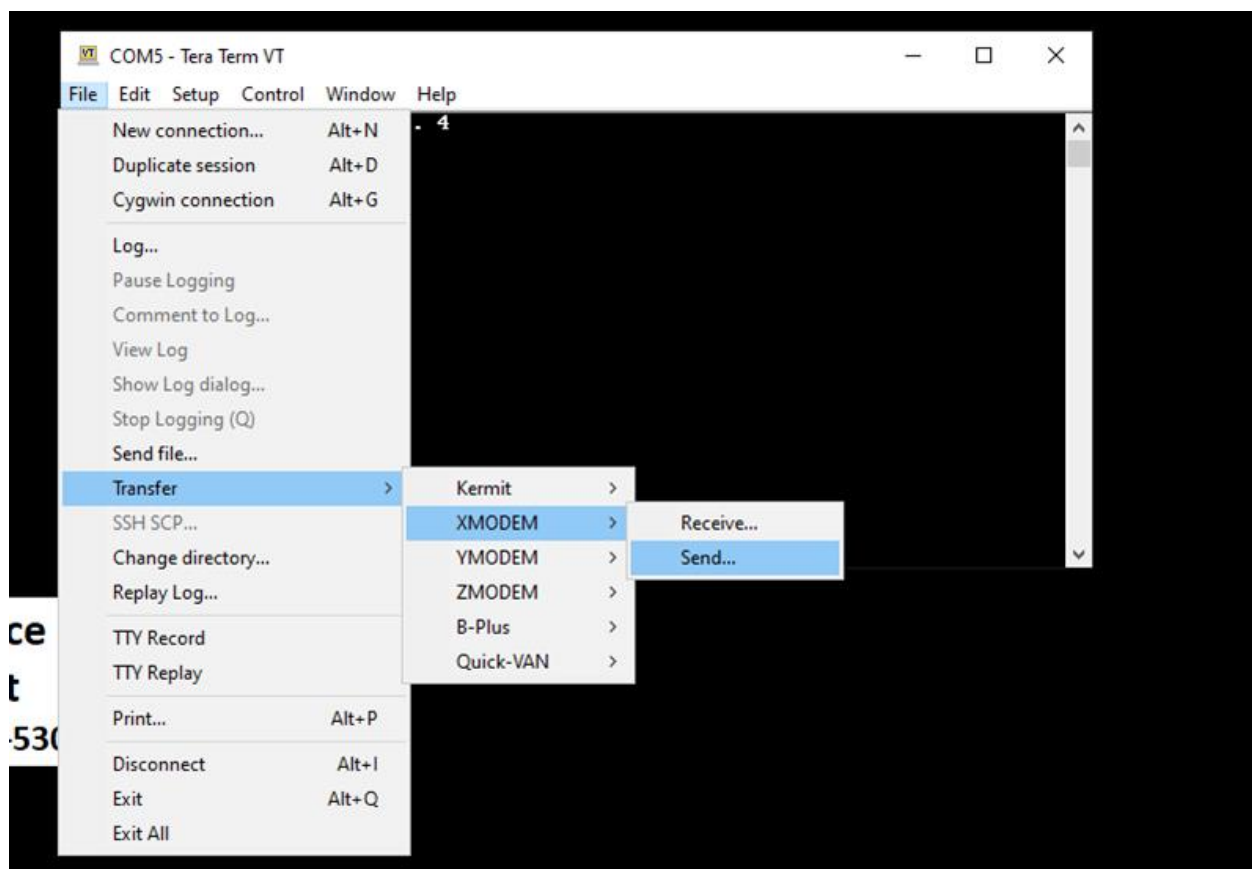


A screenshot of the same Tera Term VT window. The text area now shows: "Hit a key to abort bootting.. 4", "XG Bootloader", "1.Update FW", "2.Exit", and "Erasing..21%". A cursor is positioned at the end of the "Erasing..21%" line.

When the old firmware is erased and the message displayed is **Wait FW File**,

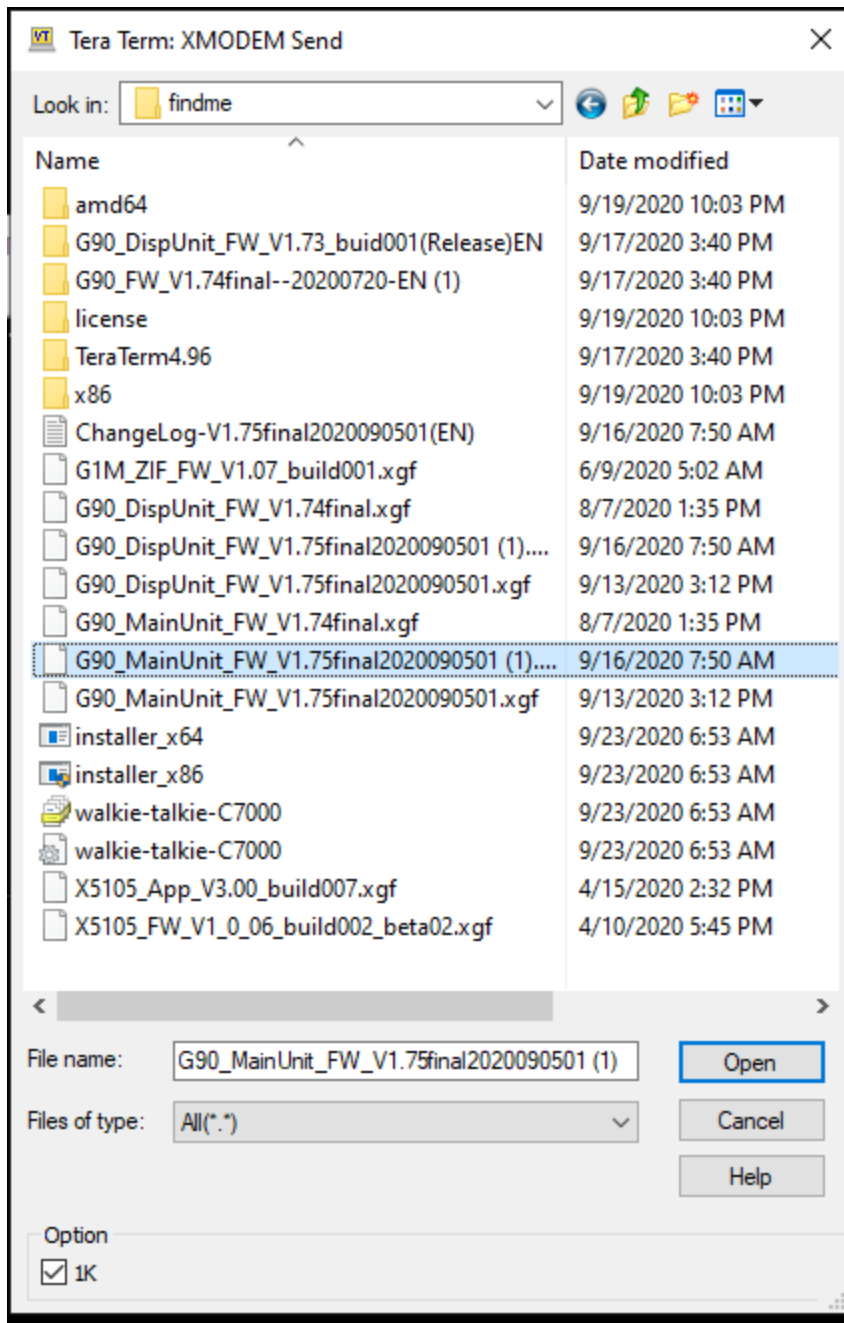


In Tera Term Click **File - Transfer - XMODEM - Send** In that order



Select **Main Unit** firmware update file

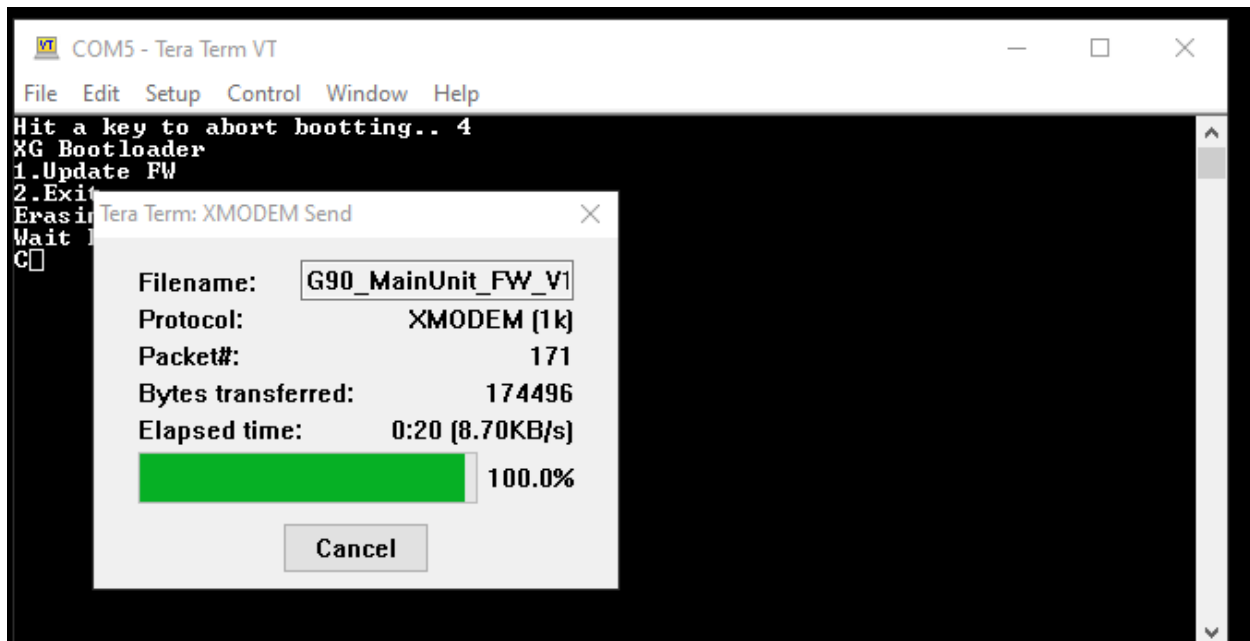
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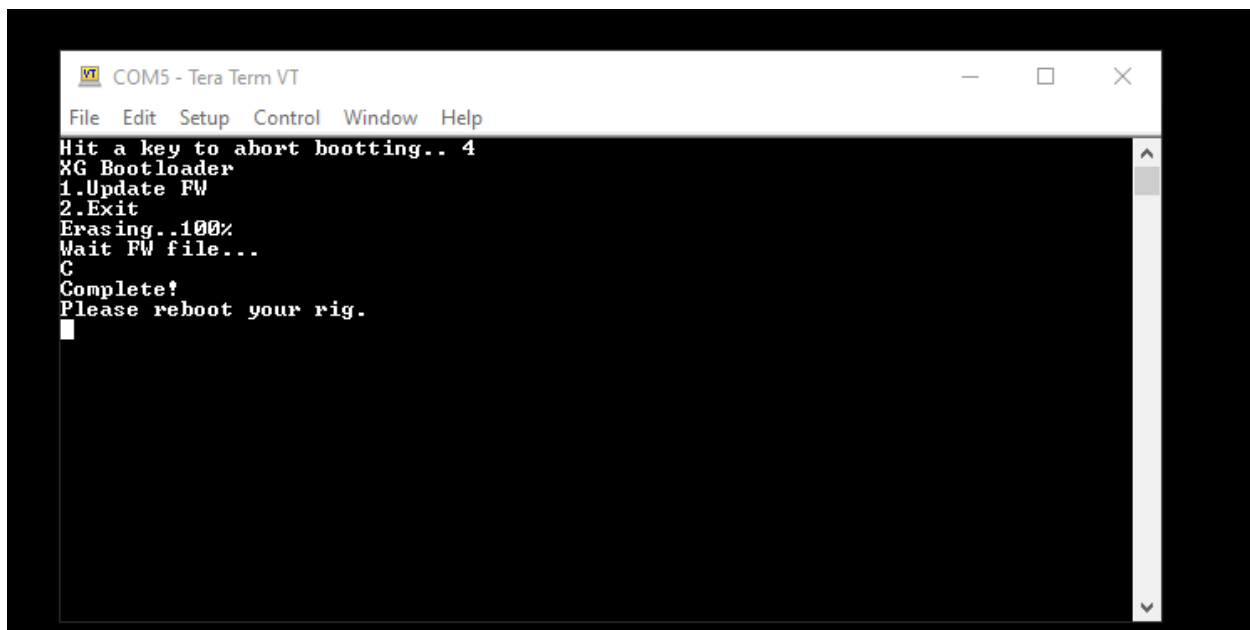
Check the 1K Option Box The transfer will not work if you do not do this!

Click Open

Loading.....



Complete



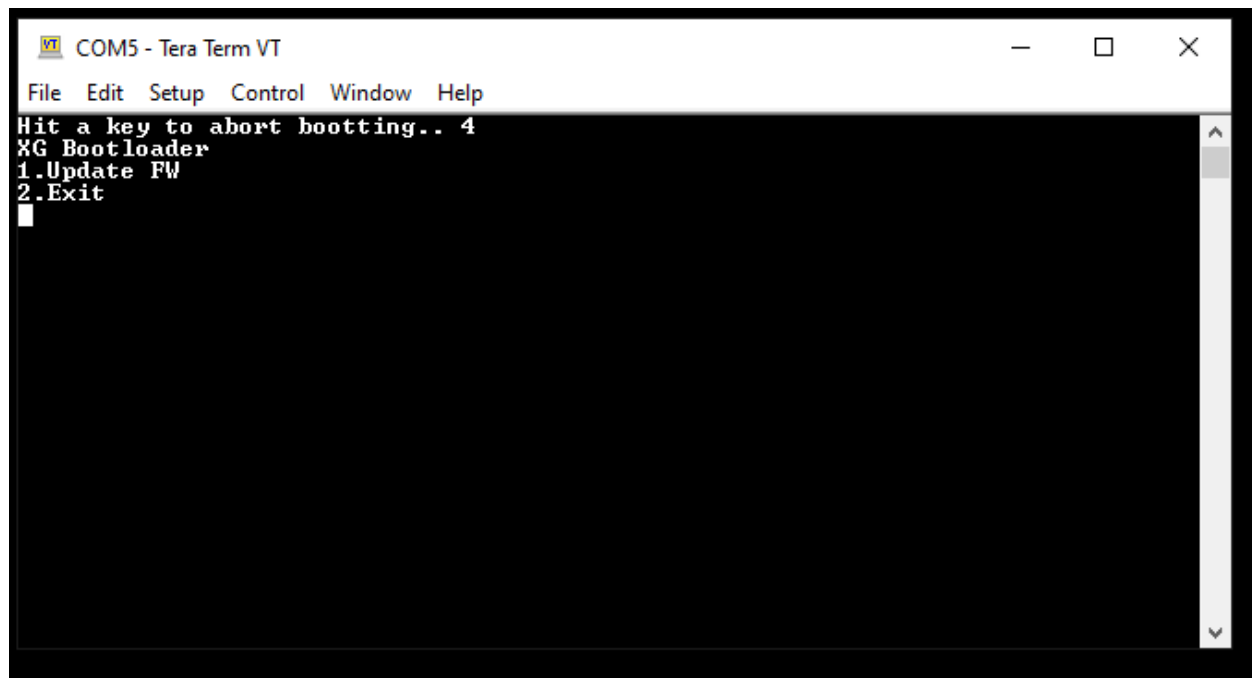
Remove power count to 5 and reconnect power

Remove the Update Data Cable from the rear and insert in the lower left-hand socket on the Display Head

HOLD SPACEBAR DOWN and press G90 Power Button

The Display will be Blank from this point until completion

Select 1 Update FW



When the TeraTerm displays **Wait FW File**

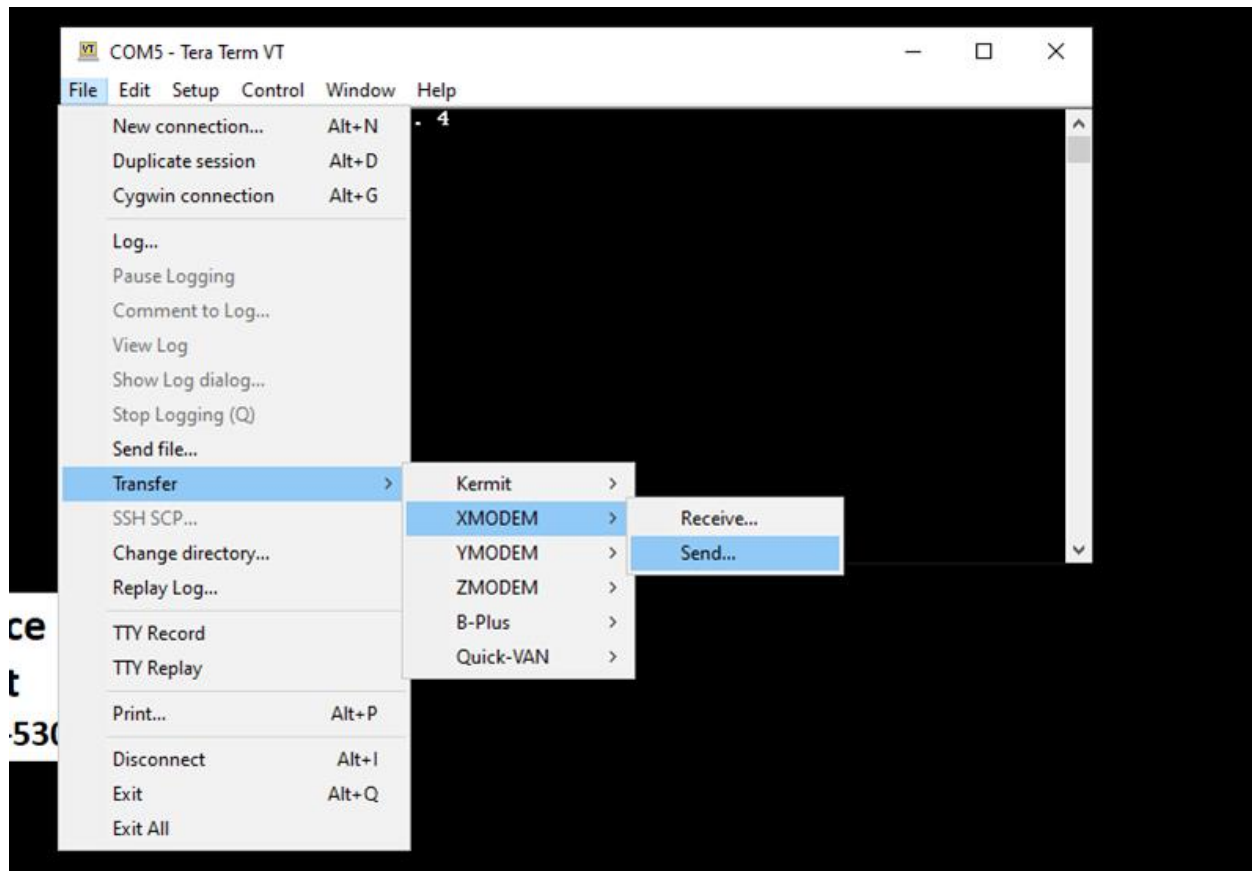
In this order, select

File

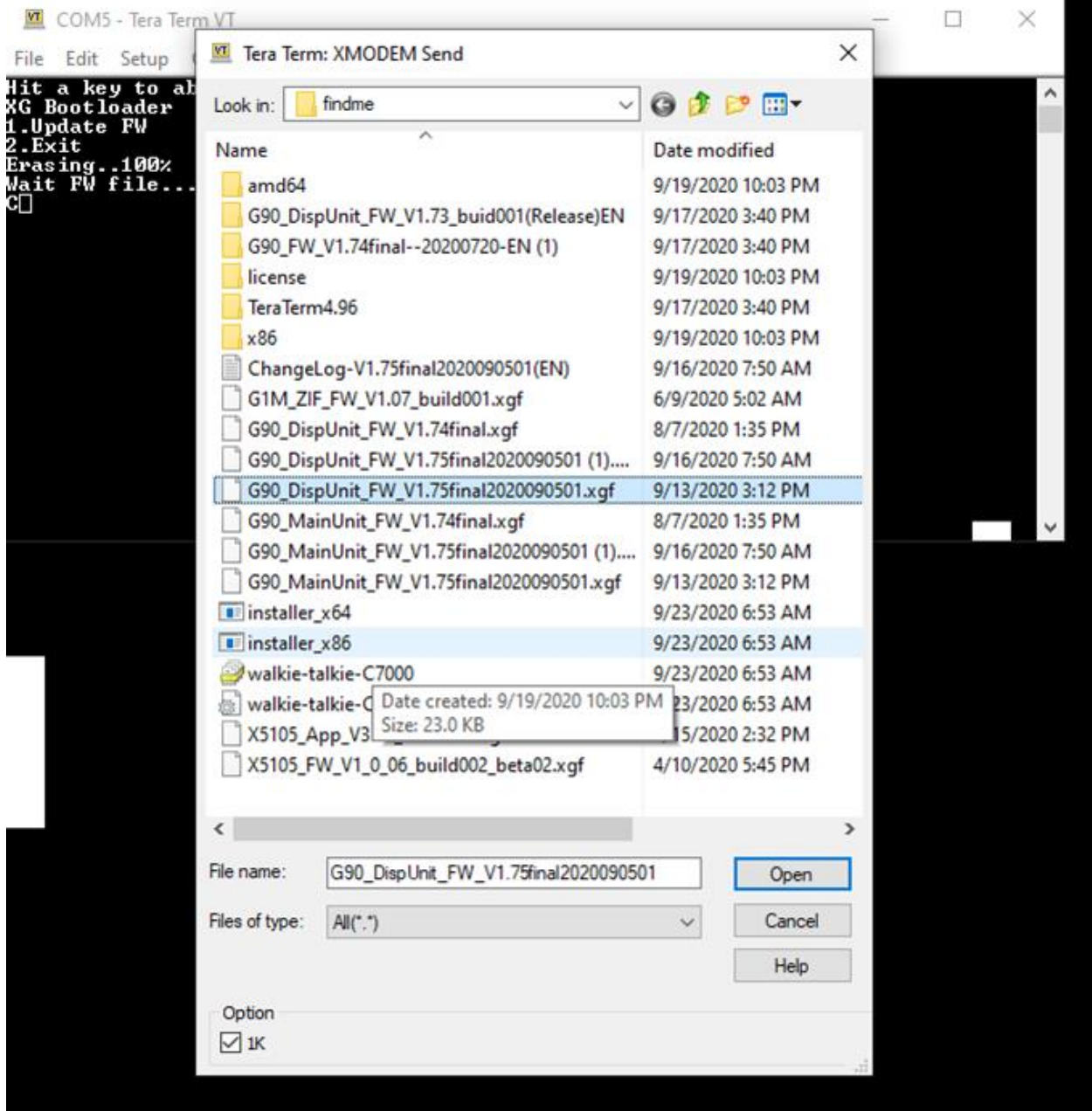
Transfer

XMODEM

Send



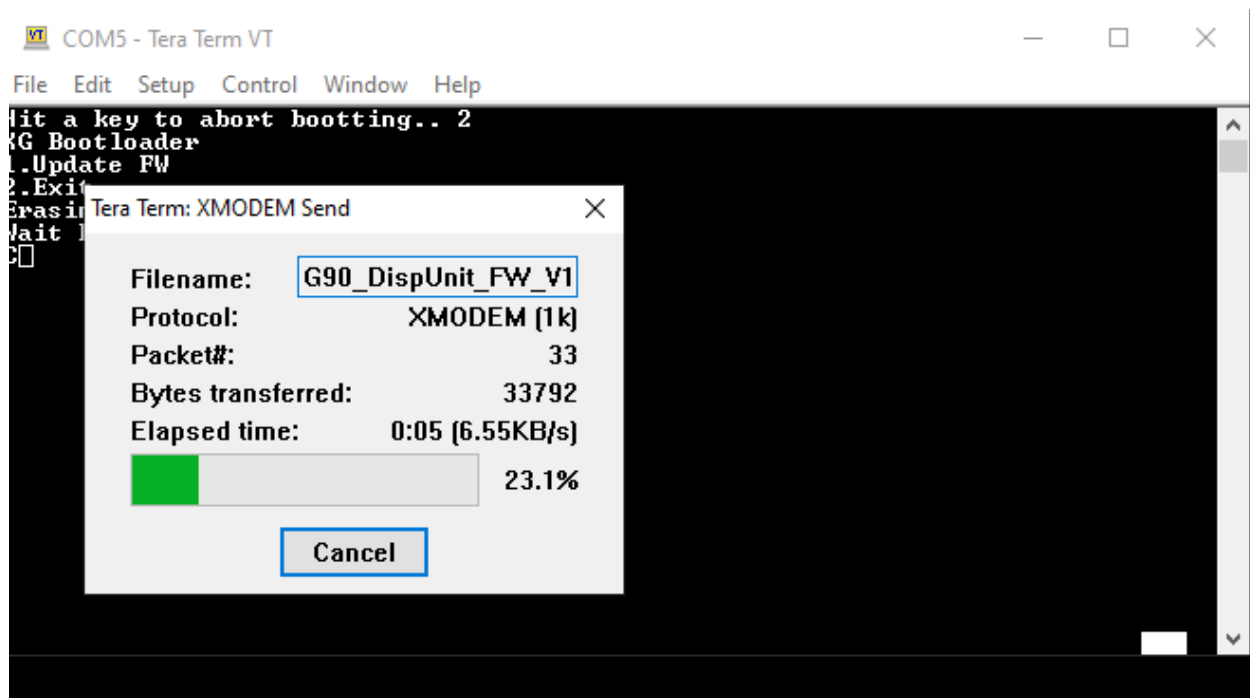
Select **Display** Firmware file
Place a Checkmark in the 1K Box



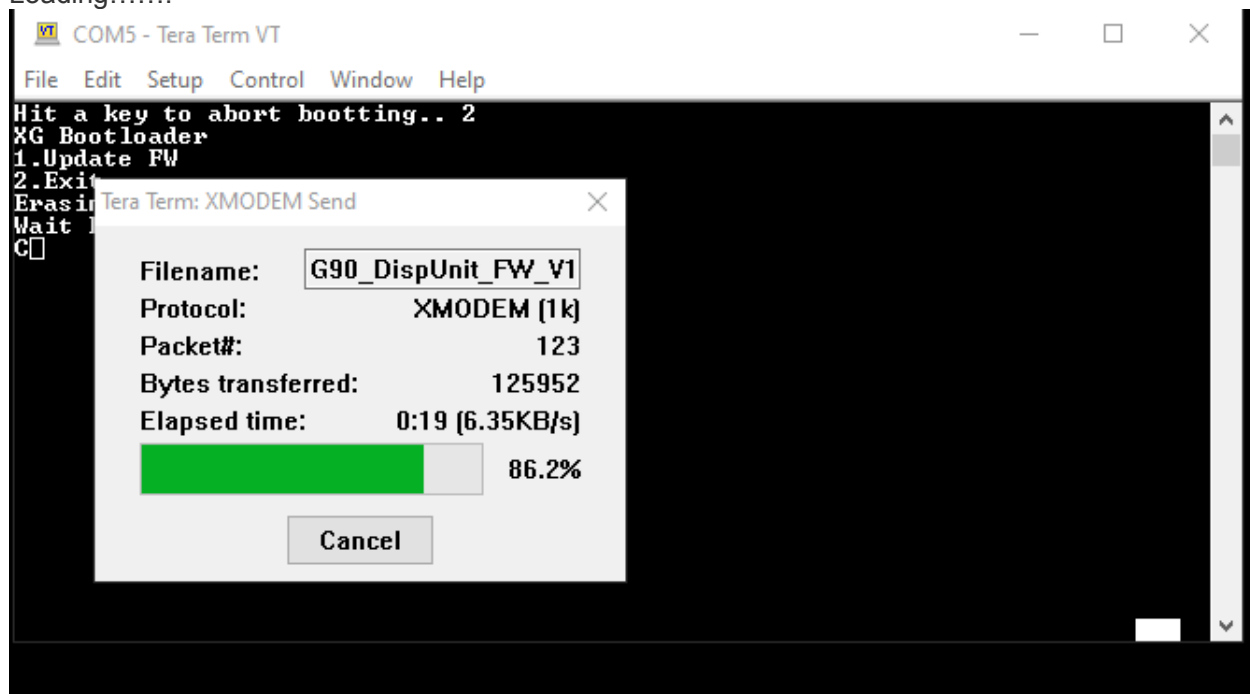
Click Open

Loading.....

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Loading.....



IGNORE THE LOST COMM Message if it appears

On Completion, **remove power from the G90 and count to 5**

Re-Connect power to the G90. turn radio on

Hold the **Function** button in for 2 seconds

Using the **Next** button scroll to option 10 Version:

BASE V1.75

Sep 5 2020

APP V1.75

Sep 5 2020

