MEITRACK T322X Firmware Upgrade Guide

Applicable Model: T322X

Change History

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1 Overview

This guide is used for users to upgrade Meitrack GPS trackers. It is applicable to T322X trackers.

2 Hardware and Software Requirements

- Desktop or laptop whose system is Windows XP, Windows Vista, or Windows 7
- A USB cable

- USB232 driver
- T322X firmware upgrade application

Note: Please obtain all upgrade-related files from our CD.

3 Installing the USB232 Driver

Run **PL2303_Prolific_DriverInstaller** to install the USB232 driver.

Note: **PL2303_Prolific_DriverInstaller** can be found in the **USB232 Driver** folder of the CD.

Connect the device to the computer by using the USB cable.

Open Device Manager (**My Computer** > **Manager** > **Computer Manager** > **Device Manager**), and click **Ports (COM & LPT)**. If "Prolific USB-to-Serial Comm Port (COM4)" is displayed, the driver is installed successfully.

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Note: Remember the COM port number in the bracket. One needs to select this port when using the firmware upgrade software later. It is COM4 in this example and it may be other ports in actual use.

4 Upgrading the Firmware

Before the upgrade, ensure that:

- The device is removed from the vehicle.
- The device is powered off.

Perform the following operations to upgrade the firmware:

1. Connect the end of the USB cable to the computer. Leave the other end aside.

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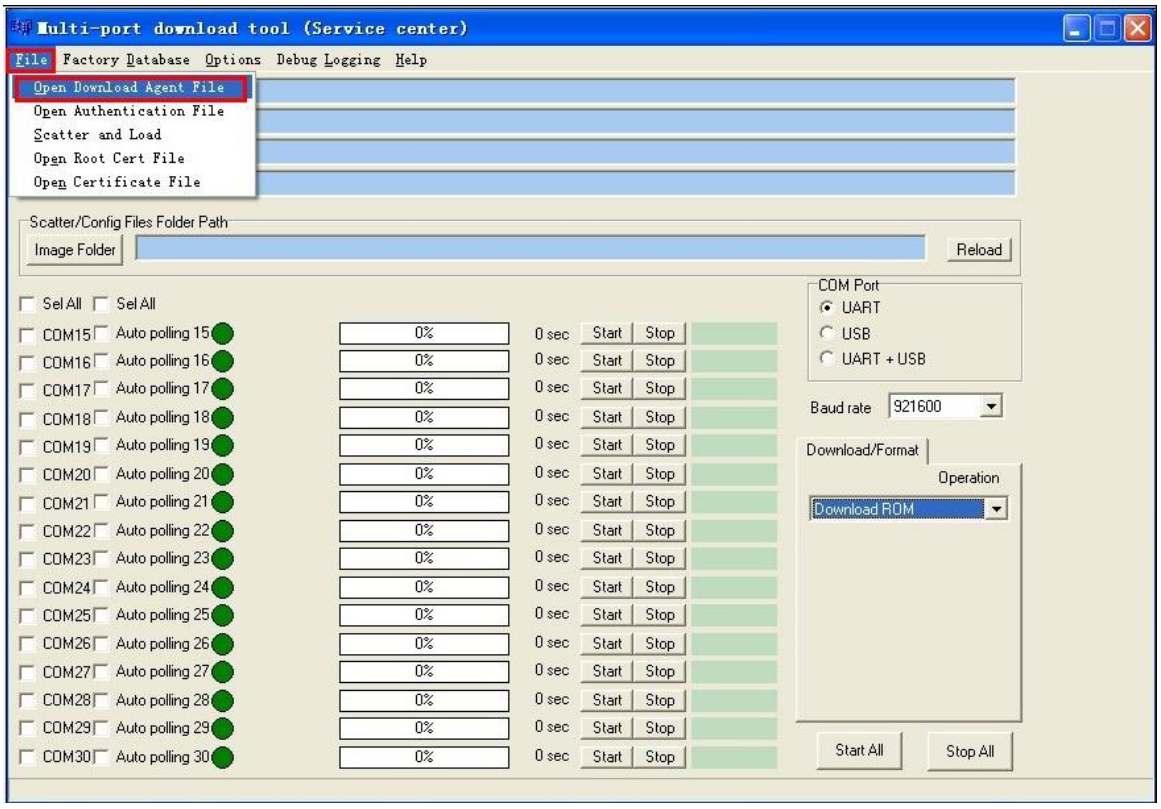
2. Open the **T322X Download Tool** folder, and double-click **MultiPortFlashDownloadProject.exe**.
3. On the page that is displayed, choose **File** > **Open Download Agent File**.



4. In the dialog box that is displayed, select the **MTK_AllInOne_DA.bin** file, and click **Open**. The file will be uploaded to the upgrade tool.

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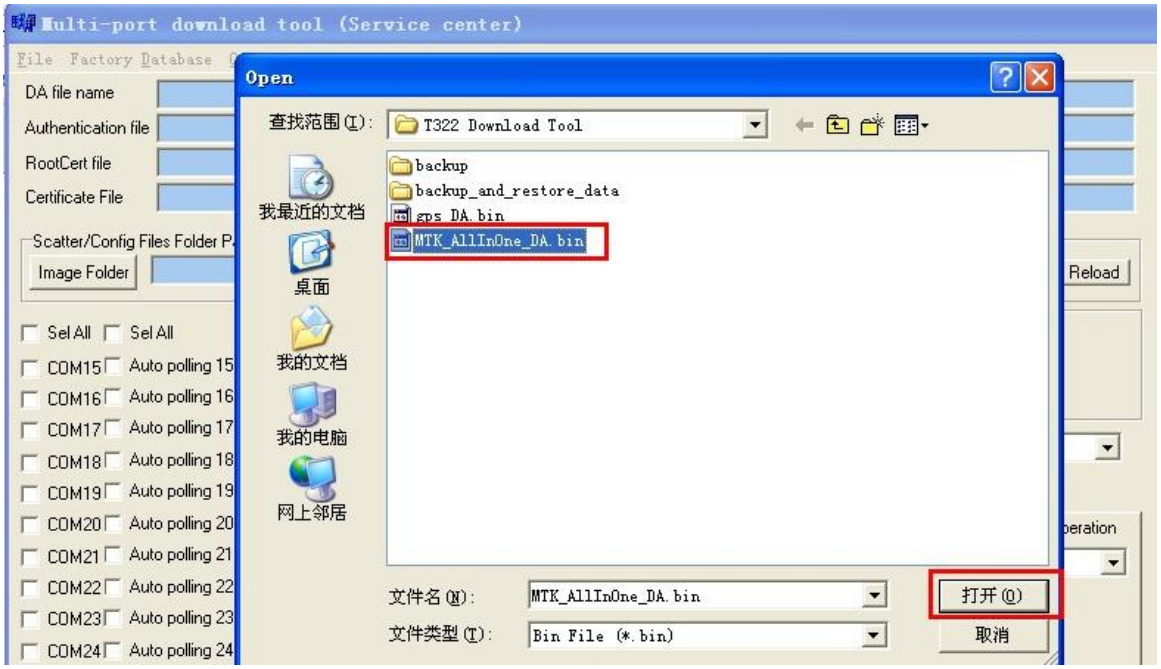

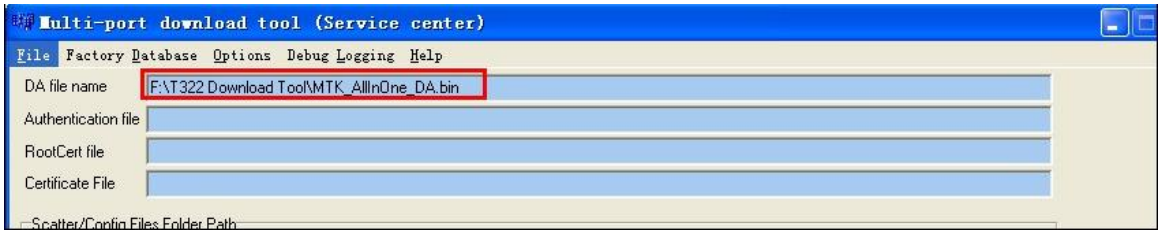

5. Import the firmware application folder.

   On the **Multi-port download tool (Service center)** page, click **Image Folder**, select the firmware application folder, and click **OK**. The firmware application is imported to the upgrade tool successfully if the **Load Files Success** dialog box is displayed.

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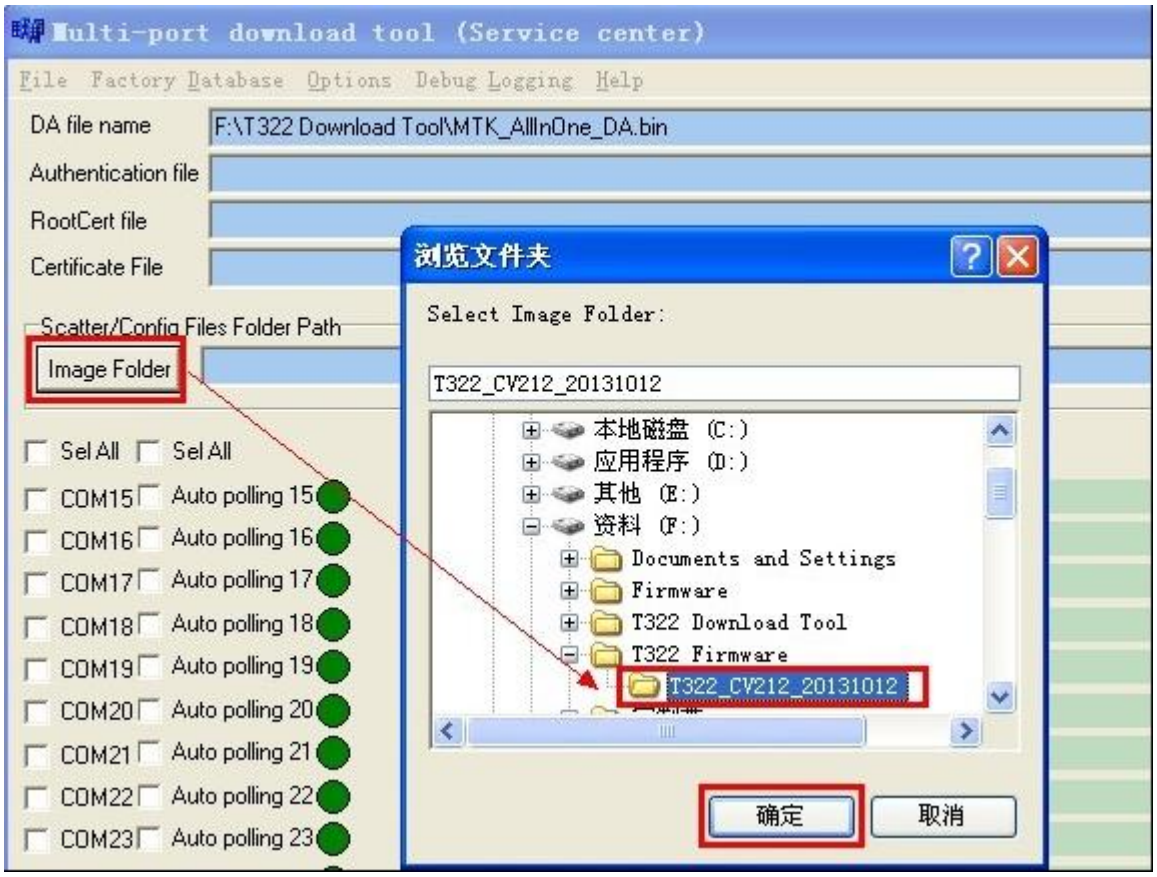

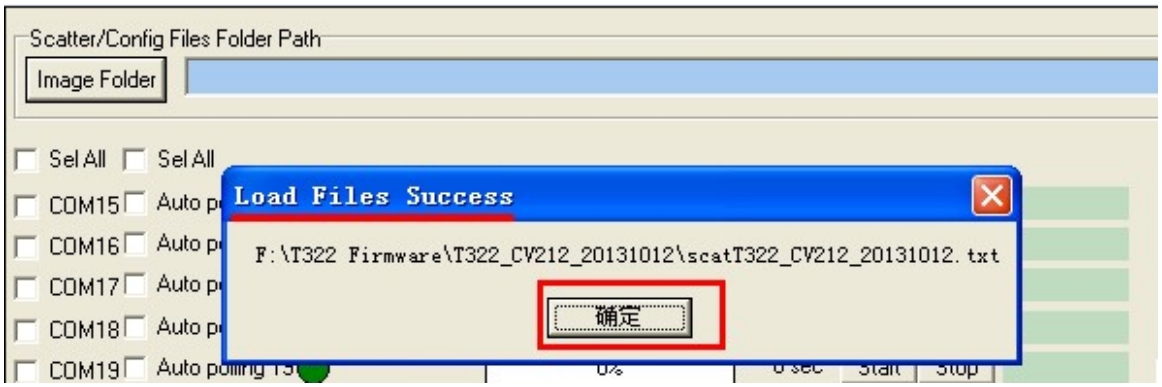

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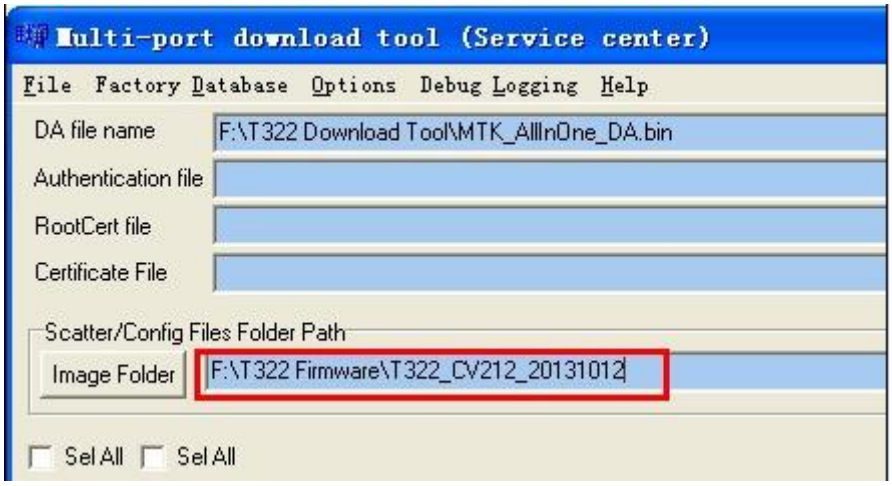
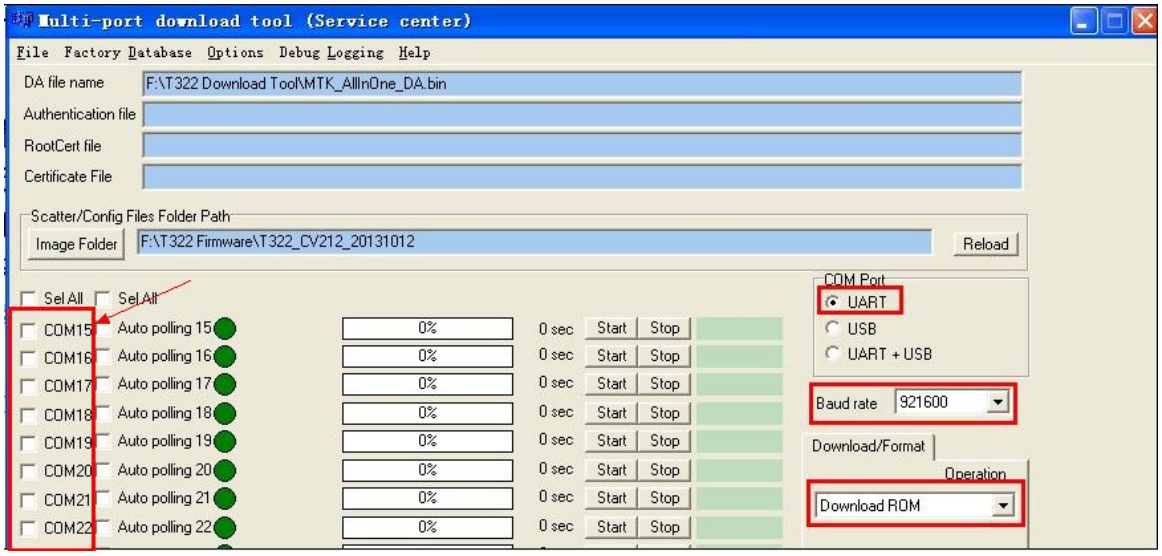


6. Select the COM port, and set parameters shown in the following figure.

   COM port: UART; Baud rate: 921600; Operation: Download ROM.

   Note 1: The larger the baud rate is, the faster the upgrade will be. The maximum value of the baud rate is 921600. (If the upgrade fails, reduce the baud rate or set the value to **9600**.)



   Note 2: If the occupied COM port cannot be founded in the COM port list on the left (e.g., COM port 7 cannot be found in the list), you can perform the following operations to redefine the COM port list.

   Choose **Options** > **Set begin COM port**, set **Begin COM Port** to **1**, and then click **Apply**. The COM port list will be redefined starting from COM1. (Now you can see COM7 is in the COM port list.)

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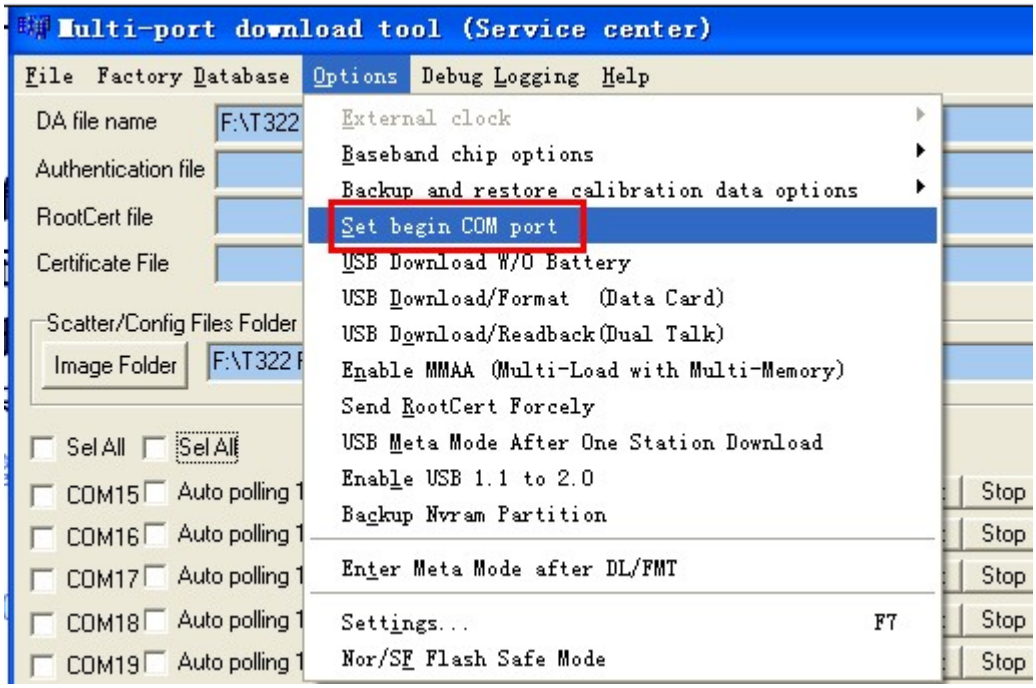

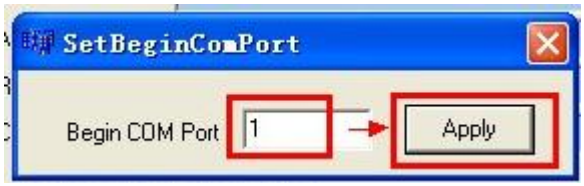

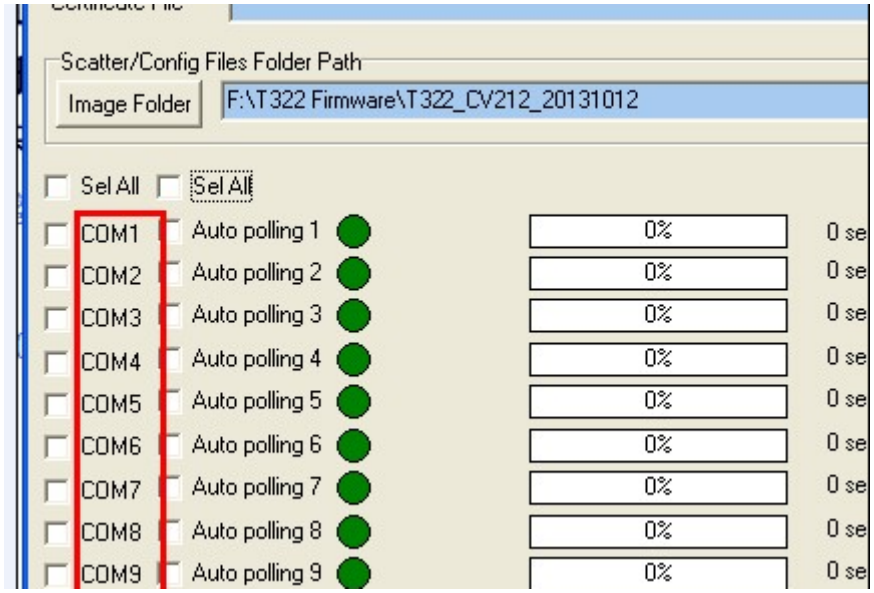

7. Upgrade the firmware.

   (1) Select the occupied COM port (e.g., COM7), and click **Start**.

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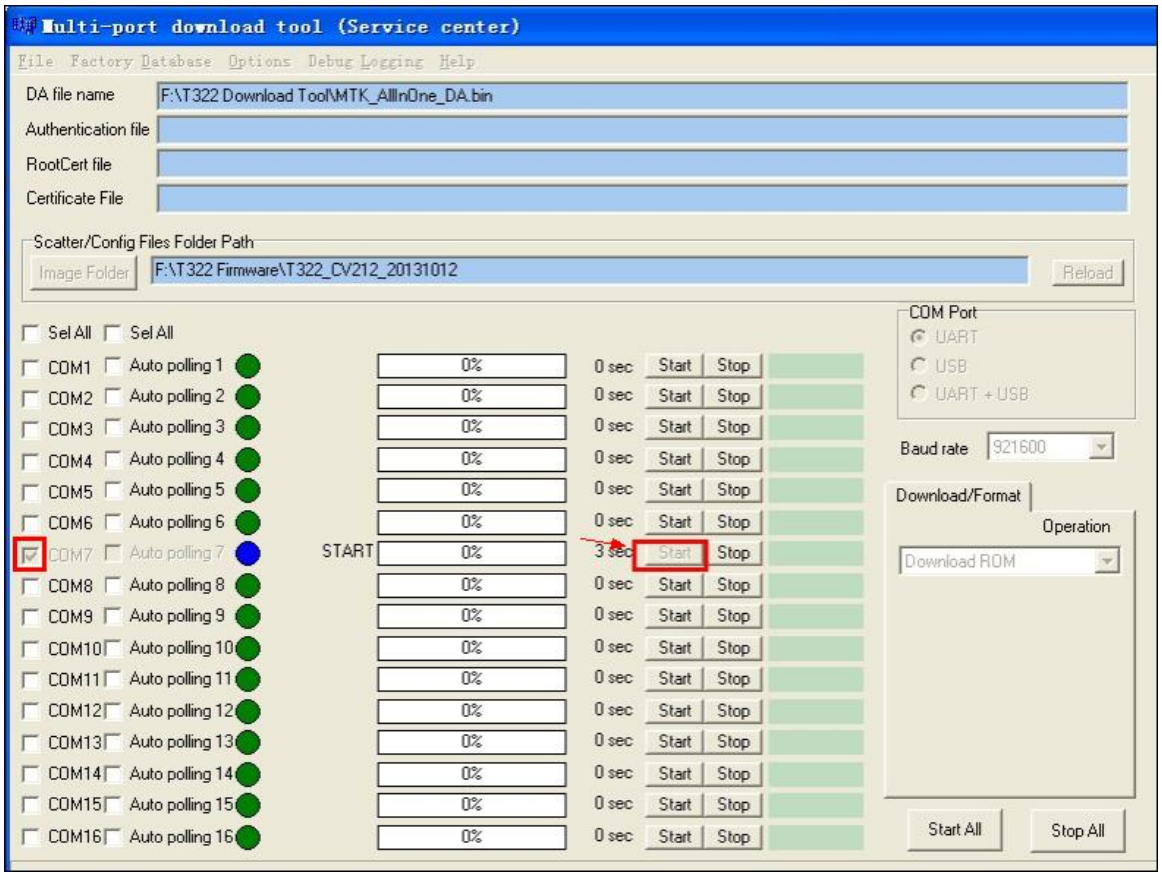
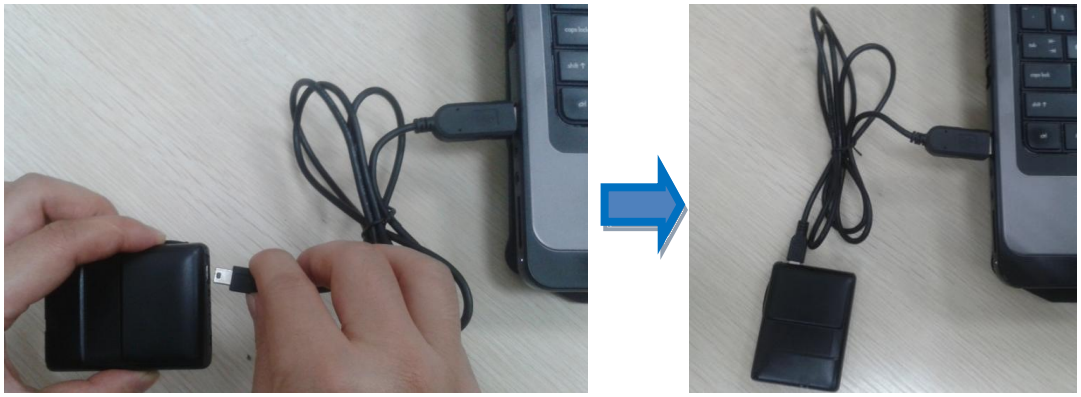
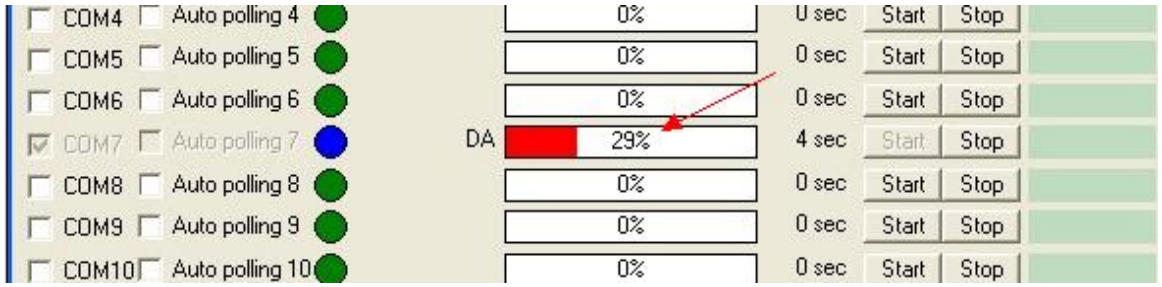


(2) Connect the other end of USB cable to the device. The device will automatically start upgrading. (During the upgrade, all indicators are off.)



(3) The color of the progress bar starts to change from red to yellow then to blue, indicating that the upgrading is going on. (It will take several minutes to complete the upgrade.)



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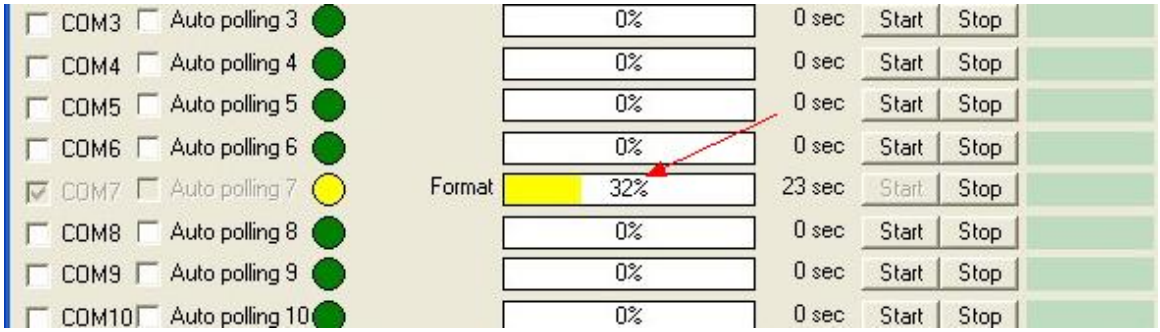
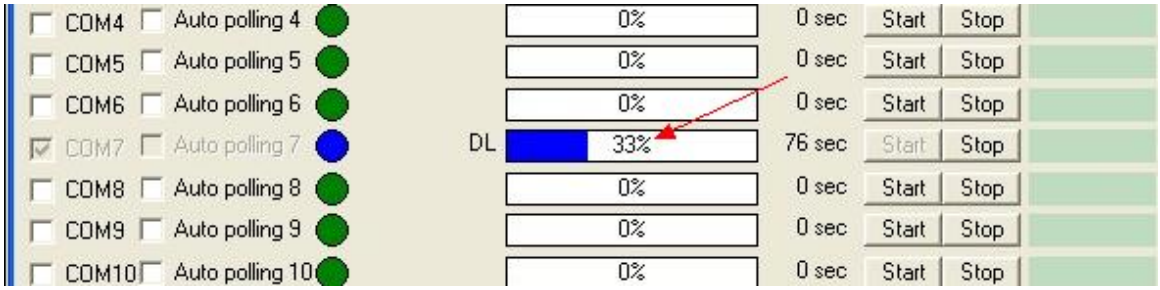
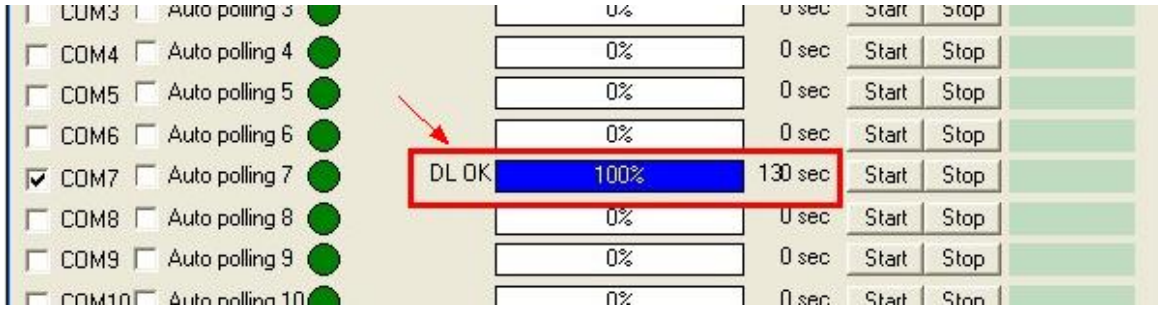




(4) If "DL OK" is displayed and the blue progress bar is 100%, the upgrade is complete.



5 Restarting the Device

The device is stopped when the upgrade finishes. Use any of the following ways to restart the device:

1. Disable the upgrade tool, remove the USB cable from the device, and then plug the USB cable in the device. (Note: The other end of the USB cable is connected to the computer.) The device will restart automatically.
2. Disconnect the USB cable, and press the power button for 2–3 seconds. Then the device will restart.

Note: During the upgrade, ensure that the USB cable is connected to the device properly. Otherwise, the upgrade may fail.

If you have any questions, do not hesitate to email us at info@meitrack.com.

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