

DS Downloader Instructions

**To download the latest version of the DS Downloader, please go to www.diablosport.com and click on the download tab on the left hand side of the screen.

**The power supply/serial cable combo that is used with the DS Downloader is available for purchase from us at Diablosport. The part number is U7777. Call us at 561-908-0040 to place an order through our Sales Department.

Using the DS Downloader

Express Tune Mode



This section of the DS Downloader has two options. Downloading a backup file of the vehicle & installing a custom tune. The *first option* is getting a file from the Predator. Follow these steps below:

Part 1: Loading Backup File of Vehicle into PC

1. Power up Predator using a 12V-1Amp power adapter.
2. Plug in the serial cable to the PC and to the bottom of the Predator.
3. Make sure that you have the correct baud rate and com port selected. *For 2005 Mustang, use baud rate 115200.*
4. Once the Predator is at the main menu, click Get Tune File from Predator.
 - a. This will get the backup file of the vehicle from the Predator.
5. A pop-up message, at the end of the download, will ask if you would like to save the file as an ORI.
 - a. By clicking YES, it will be saved in C:\Diablosport\Ori_files (*if you are a dealer, it will be saved in C:\Chipmaster Revolution\Ori_files*).
 - b. By clicking NO, you will have the option of saving it in the destination of your choice. Remember where the file is saved.

Part 2: Loading Current Tune Flashed to Vehicle into PC

1. To get the tune file that was last flashed to the vehicle, you must manually set the Xmodem up. To do this, you must:
 - a. Select 'Option' on the Predator
 - b. Select 'Custom Tune'
 - c. Select 'Export Custom Tune'
 - d. Make sure that you have the correct baud rate and com port selected. *For 2005 Mustang, use baud rate 115200.*
 - e. This will prepare the file to be sent. Once the file is ready to be sent, click 'Get Tune File' from Predator (*the Predator will have a 'Processing' bar displaying when it is ready*).
2. Once the file is done uploading, a pop-up message will ask if you would like to save the file as an ORI. Select NO, and save it in the destination of your choice. Remember where you saved the file.

The *second option* is sending a custom tune to your Predator. Follow these steps below:

Part 3: Sending a Custom Tune File into Predator



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****Important:** Before using the DS Downloader to send a custom tune file to Predator, allow the Predator to read the backup file from the vehicle. Plug in the Predator to the vehicle and select Performance Tune. Follow the instructions on the Predator. After the Predator has stored the backup from the vehicle, unplug it.

Custom tuning files can be downloaded from the 2005 Mustang GT section of the Diablosport website or can also be purchased from an authorized DiabloSport dealer. The two 2005 Mustang GT tunes available for download are: **C&L Mustang** and **Steeda Mustang**

Remember: These tunes come with the Predator matching its name. *Example: Do not download the C&L Mustang tune into a C&L Predator.*

1. Download the appropriate custom tune to your PC in a file where you can find it later.
2. Power up Predator using a 12V-1Amp power adapter.
3. Plug in the serial cable to the PC and to the bottom of the Predator.
4. Check the revision of the predator. Update to the latest version if nessecery (**2005 mustang MUST be revision r17 or newer**)
5. Make sure that you have the correct baud rate and com port selected. *For 2005 Mustang, use baud rate 115200.*
6. Once the Predator is at the main menu, click Send Tune file to Predator.
7. Select the downloaded file you want to send to the Predator and click okay on the PC.
 - a. If a backup file is needed to send the custom tune file to the Predator, select the backup file you loaded to your PC that you received from your Predator. This was done using *Part 1*.

Revision Update Mode



This section of the DS Downloader allows the user to update Predator. New updates are released when changes are done to the revision file (CROM) that gives the Predator its operating features. Keep an eye on <http://www.diablosport.com/Downloads.php> occasionally to see if new revisions have been released for your part number.

Follow these steps below to update your Predator:

1. Download the appropriate revision update (CROM) to your PC in a file where you can find it later.
2. Plug in the serial cable into PC and bottom of Predator.
3. Click on the Revision Update tab in the DS Downloader.
4. Make sure the baud rate is set at 115200 and the correct COM port is selected.
5. Click the Update Software in Predator tab and select the CROM file you will be using.
6. A pop-up message will ask you to power cycle your Predator. Plug in the 12V-1Amp power adapter into the Predator.
7. Once the Predator is powered up, a pop-up message will ask if you want to update Predator. Click YES to start the update.
8. Once the download is completed the Predator has been updated.

Advanced Tuning Mode



This section of the DS Downloader allows the user to send tune file(s) to the Predator. Up to **five** tuning files can be sent to the Predator. Follow the steps below to send tune file(s) to the Predator:

1. Click Add Tunes to select the file(s) you would like to send to the Predator.
2. Once the file(s) have been selected, click Save All to Disk.
 - a. If a pop-up message states that a backup file is needed to send the tuning files to the Predator, select the backup file loaded from the Predator into the PC from *Part 1*.
3. Rename the file because this is the file you will be sending to the Predator.
4. Once you have saved the file, press Delete All Tunes.
5. Click Add Tunes and select the file you just renamed. This will include all the tuning files you previously selected. You can have up to **five** tuning files under this renamed file.
6. Have the Predator powered up using the 12V-1Amp power supply and have the serial cable plugged into Predator and PC as well.
7. Make sure that you have the correct baud rate and com port selected. *For 2005 Mustang, use baud rate 115200.*
8. Click Send to Tool.