Remapbase Log Dyno

Quick Start Guide

📋 What You Need

- ✓ Your ECU data log exported as a **CSV file**
- ✓ A web browser (Chrome, Firefox, or Edge)
- ✓ Internet connection
- ✓ 2 minutes of your time!

💡 First Time User?

Don't worry! This guide will walk you through everything step-by-step. It's easier than you think!

🚀 How to Use

1 Prepare Your CSV File

Export your ECU data log as a CSV file. Make sure it includes:

- **RPM column** - Engine speed
- **Torque column** - Engine torque in Nm (Newton-meters)

⚠️ **IMPORTANT - Best Logging Practice:**

For the most accurate dyno results, take your logs in **3rd gear** with a full throttle pull from **LOW RPM to HIGH RPM** (e.g., 1500 RPM to redline).

This gives you the cleanest data and most accurate torque curves!

⚠️ **Important:** Your torque must be in **Nm (Newton-meters)**, not lb-ft! If you have lb-ft, multiply by 1.356 to convert to Nm.

2 Open the Software

Open your web browser and go to the dyno software URL.

You'll see a large upload area on the screen.

3 Upload Your CSV File

You have two options:

- **Option A:** Click the upload area and browse for your file
- **Option B:** Drag and drop your CSV file onto the upload area

When selected, you'll see your filename displayed.

4 Click "Process"

Click the green **Process** button.

The software will automatically:

- Read your data
- Calculate horsepower
- Smooth the curves
- Find peak values
- Create your dyno graph!

5 Add Vehicle Information

Fill in the three text boxes that appear:

- **Car Name/Model:** e.g., "Volkswagen Transporter T6"
- **Engine Details:** e.g., "2.0 TDI 102hp"
- **Additional Details:** e.g., "Stage2"

This information will appear on your PDF report.

📝 Example Vehicle Information:

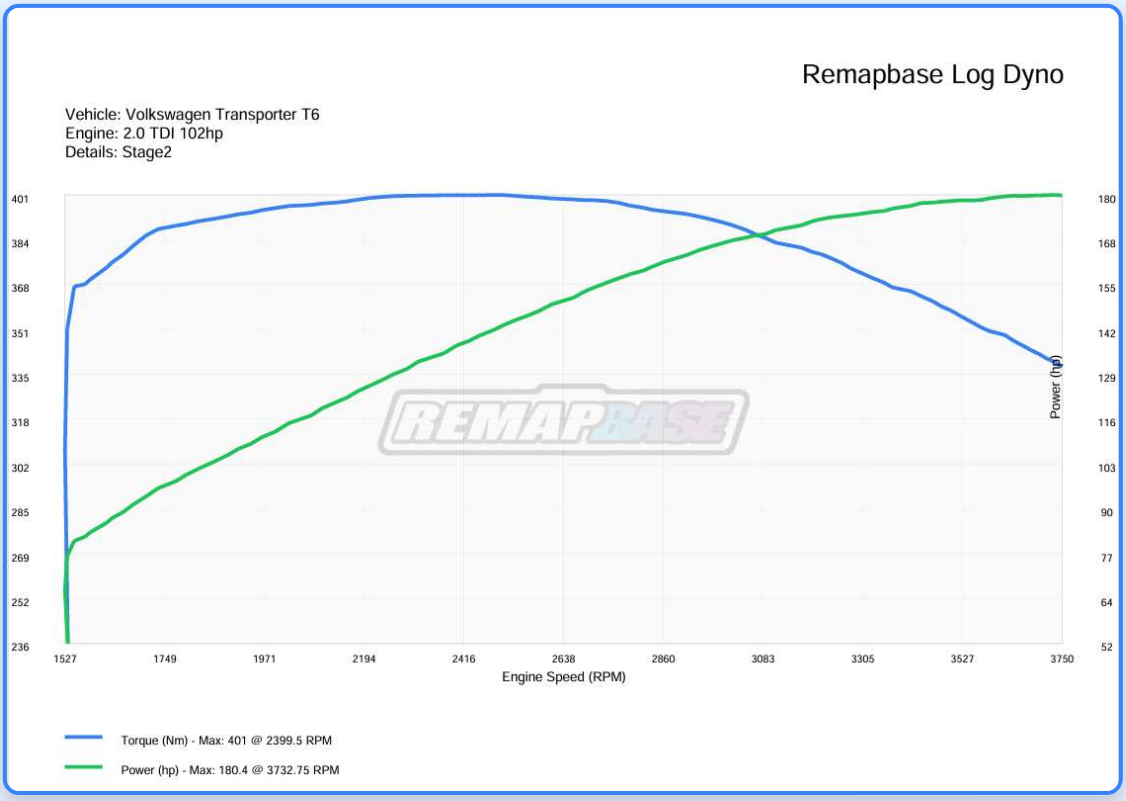
Field	Example
Car Name/Model	Volkswagen Transporter T6
Engine Details	2.0 TDI 102hp
Additional Details	Stage2

📈 Understanding Your Results

Your Dyno Graph

After processing, you'll see a beautiful graph with two lines:

📊 Example Dyno Graph:



Example: Volkswagen Transporter T6 - 2.0 TDI 102hp Stage2

Understanding the Graph:

- 🟢 **GREEN LINE** - Horsepower (HP) - shown on the LEFT side
- 🔵 **BLUE LINE** - Torque (Nm) - shown on the RIGHT side

Peak Markers:

- 🟥 **RED SQUARE** - Shows where you hit maximum horsepower
- 🟧 **ORANGE SQUARE** - Shows where you hit maximum torque

Summary Cards

Below the graph, you'll see 4 boxes showing:

Card	What It Shows
Peak HP	Your maximum horsepower and at what RPM
Peak Torque	Your maximum torque (Nm) and at what RPM
Avg Power	Average power across the entire RPM range
Data Points	How many measurements were in your file

💡 **Pro Tip:** You can hover your mouse over any point on the graph to see exact values!

✂️ Log Preview & Cutting

6 Select Your Data Range

After processing your CSV, you'll see a **Log Preview & Cutting** section that lets you select exactly which part of your log to analyze.

🎯 How Log Preview Works:

- **Visual Waveform:** See your RPM and Gaspedal position as a waveform
- **Drag Handles:** Select the perfect range of your log with Drag Handles
- **Data Info:** See exact RPM and data point numbers for your selection

💡 Why Use Log Cutting?

- **Remove unwanted data:** Cut out idle time, gear changes, or bad data points
- **Focus on the pull:** Select only the full-throttle acceleration part of an exact gear
- **Professional results:** Export only the relevant part of your log

7 Apply Your Selection

Once you've selected your desired range:

- Click **Apply Selection** to update the main chart
- Or click **Reset to Full** to use all data

The summary cards will automatically update with values from your selected range only.

⚠️ **Pro Tip:** For best results, select only the part of your log where you had full throttle and smooth acceleration. This gives you the most accurate dyno readings!

📊 Data Smoothing

8 Choose Your Smoothing Level

The software automatically applies smoothing to make your dyno curves cleaner and easier to read. You can adjust the smoothing level using the dropdown menu.

🔧 Smoothing Options:

Smoothing Level	Description	Best For
None	Raw data - no smoothing applied	Very clean data, detailed analysis
Smooth	Light smoothing (3-point moving average)	Most data logs - good balance
Very Smooth	Heavy smoothing (5-point moving average)	Very noisy data, presentation charts

✅ Smoothing Benefits:

- ✓ Cleaner, more professional-looking graphs
- ✓ Easier to read peak values and trends

- ✓ Removes measurement noise and errors
- ✓ Maintains accuracy of important values
- ✓ Better for presentations and reports

9 Export Your PDF Report

Click the red **Export PDF** button at the top-right of the graph.

Your professional dyno report will download automatically!

✅ Your PDF Report Includes:

- ✓ Vehicle information
- ✓ Full-size dyno graph (with your selected data range)
- ✓ Peak HP and Torque values (from selected range)
- ✓ Date and time of the run
- ✓ Professional layout ready to print or share to your customer!

❓ Common Questions

Q: What if I get an error message?

A: Most errors are due to incorrect CSV format. Make sure:

- Your file has columns named something like "RPM" and "Torque"
- You have at least 5 rows of data
- Your file is actually a .csv file (not .xlsx or .xls)

Q: My graph looks weird, what's wrong?

A: Check your data:

- Make sure torque is in **Nm**, not lb-ft
- Make sure there are no empty rows in the middle of your data

Q: Is my data saved anywhere?

A: No! The software processes your file and creates the graph in your browser. Nothing is saved on any server. Make sure to export the PDF if you want to keep the results.

Q: Do I need to install anything?

A: No installation needed! It works directly in your web browser.

Q: Can I edit the PDF after exporting?

A: The PDF is final. If you want to change vehicle information, fill it in BEFORE clicking "Export PDF".

Q: What will my PDF filename be?

A: The filename is automatically generated based on your vehicle name and the date. For example: `dyno_report_Volkswagen_Transporter_T6_2025-10-14.pdf`

Q: What smoothing level should I choose?

A: Start with "Smooth" - it works well for most data. Use "None" for very clean data, or "Very Smooth" for noisy logs. You can change it anytime and see the effect immediately.

Q: Can I change my data selection after applying it?

A: Yes! You can always click "Reset to Full" to go back to all your data, then make a new selection and apply it again.

🔧 Quick Troubleshooting

Problem	Solution
"Could not find required columns"	Your CSV needs columns with "RPM" and "Torque" in the names. Check your column headers.
"No valid data rows found"	Make sure you have at least 5 rows of actual data with numbers (not empty cells).
"File upload failed"	Make sure your file is a .csv file and not too large (under 5 MB).
Graph not showing	Check your internet connection. The software needs internet to load the charting libraries.
PDF won't download	Make sure you filled in vehicle information first. Try using Chrome or Firefox browser.

💡 Tips for Best Results

🔧 HOW TO LOG DATA PROPERLY:

For the BEST and most accurate dyno results:

- **Use 3rd gear:** This is the ideal gear for dyno logging
- **Start from LOW RPM:** Begin at around 1500 RPM
- **Full throttle pull to HIGH RPM:** Accelerate smoothly to redline (or max safe RPM)
- **One smooth run:** Don't lift off the throttle during the pull

📊 Getting Quality Dyno Charts:

- **Remove bad data:** Delete any rows with errors or unusual values before uploading
- **Fill in vehicle info:** Makes your PDF report look professional
- **Multiple runs:** Take 2-3 logs and use the best one
- **Warm engine:** Make sure engine is at operating temperature before logging

Quick Reference

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Complete Steps to Your Dyno Chart

Step	Action
1	Prepare CSV file with RPM and Torque columns
2	Open the software in your browser
3	Upload your CSV file (click or drag-drop)
4	Click the green "Process" button
5	Fill in vehicle information
6	Select your data range using Log Preview & Cutting
7	Apply your selection to update the main chart
8	Choose your smoothing level (None/Smooth/Very Smooth)

9	Click "Export PDF" to save your report

✅ Done!

You now have a professional dyno report!

Need More Help?

Contact: support@remapbase.com