



Quickstart Guide

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Main Connector Plug

- Red Wire – 12V Constant/Battery
- Black Wire – Ground
- Yellow Wire – 12V Ignition
- Blue – 12V+ Door/Dome Light Trigger
 - Optional, used as 2nd trigger to start dash
- MS Tuning Cable into USB Port
- GPS Antenna

*****CAUTION**: Make sure to install a Jumper Wire (With Factory Resistor or Fuse) between the vehicle's alternator excite/sensing wire to the vehicles ignition wire when removing the instrument cluster or your alternator may not charge.


Software Setup & Configuration

1. **Wireless Connection** – Click on Wireless Symbol (Bottom-Right) & complete network/password

2. TunerStudio Setup

- **Activate Registration** – Go to Help -> Enter Registration
- **Disable “Check for Updates”** – Go to Help and uncheck the “Automatic Update Check” box
- **Preferences Setup** – Go to Options -> Preferences and check both:
 - Load Last Project on startup
 - Make Dashboards Full Screen
- **Data Rate Setup** – Go to Communications -> Data Rate
 - Set to “Max Reads Per Second”
- **Close TunerStudio to save all settings to your Project**

3. TunerStudio Project Setup

- **Update Communication Settings of Project File (Tuning Computer/Laptop)**
 - Open TunerStudio with your current tune on your tuning computer/laptop
 - Go to Communication -> Settings and change **Connection Type** to **RS232 Serial Interface**
 - Close TunerStudio & Copy Project from TunerStudioProjects folder to Thumb Drive
- **Upload/Transfer Project File to Dash**
 - Close TunerStudio
 - Plug-in Thumb Drive into an open USB Port on the Dash
 - Copy Project File and Paste it to the TunerStudio Project folder 
 - Remove USB Drive (**Important**)
- **Connection Settings**
 - Open TunerStudio
 - Plug in your MS ECU Tuning Cable into Computer USB Port
 - Go to Communication -> Settings click Detect and select USB option
- **Gauge Lag Factor**
 - Go to Basic/Load Settings -> General Settings
 - Under General Sensor Settings, increase the default 50 to 95 to speed up gauge refresh rate
- **Close TunerStudio to save all settings to your Project**

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