Thank you for purchasing The STM PRO ECU.
Ecu is uploaded with the latest Speeduino firmware and basic settings have been done and tested.

Speeduino.ini is on the main directory of the USB stick included in the package.
You will need this for your Tunerstudio project.

When you open Tunerstudio under "Engine" settings select board definition "STMPRO" (should already be selected by default)

You'll also find the wiring diagrams and jumper settings paper work included in your package.

Please make sure you use a FUSE inline with the main power input, no more than 10A fuse

Remember IGNITION output are for Smart coils or Ignitor IGBT's, Do not connect normal 2 pin 12V coils to the ECU
GM LSx Coils work great and the 5v trigger out of the ECU connects directly to their trigger input.

You should have received ECU, 26/34 pin male connectors, and 60 crimp pins to make your wiring harness.

If you purchased Bluetooth adapter it will be configured and the sticker on top with Bluetooth name and 4 digit password.

Vr conditioner is built in and configured for the VR

There are 2 solder jumper pads on the Botton of the circuit board selecting VR or HALL sensors, If removing the board please do not over tighten the screws, once the screw head touches the case that's enough.

Please be careful if removing the hose from the internal map sensor, it will pull off the board and be damaged, a gentle twist while pulling usually removes the hose.

I have installed a Baro sensor and it is configured in hardware and

firmware, the Baro input pin is A13.

Analog in A6, A7, A8, A9 are linear inputs (0-5v) and can be used in there current state for fuel/oil pressure sensors (5 volt) etc, there is a solder jumper that can be set with a 2.4k resistor for a temperature input under the processor board, you'll find a picture sheet of there location in your paper work.
Their Tunerstudio numbers will be:
ECU analog 6 = Tunerstudio A12
ECU analog 7 = Tunerstudio A7
ECU analog 8 = Tunerstudio A6
ECU analog 9 = Tunerstudio A5

Pin 10 on the 34 pin connector is a 12v (battery voltage) Positive Programable output, Usually used for Vtech solenoids as they require positive trigger, but can be used as long as the device negative terminal goes to ground.
ECU Going high out = Tunerstudio 37 this is the only output that is positive 12v.

All other outputs are ground switching.

ECU Spare LC Output = Tunerstudio 3
ECU Digital in 2 = Tunerstudio 40
ECU Digital in 1 = Hardcoded to VSS input, 5V pull-up for hall trigger.

USB power switch, Default is on, turning the switch to off will stop the ECU powering up when a USB cable is plugged in that's connected to a computer, only the switched 12v supply will power the ECU, but you will still be able to communicate with the ECU in this mode.

Any Help email me at : nick@everythingfuelinjection.com
Speeduino Forum as : NickZ