

**SPECIFICATIONS**

**Supported Models:** Subaru Impreza WRX (including STI)  
**Engine Codes:** EJ20  
**Transmission:** Manual only (Automatic not supported)

**Features:** Direct plug and play replacement of the OEM ECU, no rewiring necessary  
 Supports factory sensors  
 Supports Sequential Injection (peak and hold) and Direct fire ignition  
 Windows 2000, XP, Vista, Windows 7 compatible software  
 Real time programming, instant hesitation free adjustment while engine is running  
 Fully user definable 32 x 32 mapping  
 Tuning via Volumetric Efficiency (VE), Injection time or Lambda Correction (MAF)  
 Diagnostic Trouble Code Storing & Check Engine Light Control (Access through laptop only)  
 Selectable onboard internal MAP sensor rated to 150kPa (up to 1.5 Bar or 22psi boost)  
 Wideband "auto tuning" using user definable target AFR table  
 USB and CAN Communication Port

<b>Factory Outputs:</b>	4 x Fuel Injector outputs Boost Control Thermo Fan Tacho	4 x Ignition outputs Tumble Generator Valve (fixed open) Check Engine Light A/C Clutch Relay	AVCS – Active Valve Control System Idle Control Fuel Pump
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<b>Factory Inputs:</b>	MAF sensor Rear Oxygen sensor	Throttle Position Sensor Coolant Temperature sensor	Knock Detection Sensor Vehicle Speed Sensor
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**Expansion I/O:** 4 x Analogue Voltage Inputs, 1 x Digital Input, 4 x Digital Outputs

<b>Configurable for:</b>	Aux Rev Limiter Flat Shift NOS Enable Fuel Pressure Sensor External Map Sensor (Up to 5 Bar) Oil Pressure Sensor Wideband O2 Sensors	Exhaust Gas Temperature Sensors Fuel Temperature Sensors Oil Temperature Sensors Diff Temperature Sensor Gearbox Temperature Sensor Generic Temperature Sensors Discrete ON/OFF Switches	Air Temperature Switch Aux Fuel Pump Boost Control Battery Light Generic Duty Output Nitrous Activation Switch Flex Fuel Sensor
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*Plus much more ....*

**Up to 36 more I/O channels are available using the optional Haltech I/O 12 and TCA 2/4 CAN Devices -**

<b>Functions:</b>	Closed Loop O2 Control Closed & Open Loop Boost Control Fuel Composition (E85/Flex Fuel)	Knock Control Gear Setup Speed Limiter	Long Term Fuel Trim Nitrous Activation Output Antilag Launch	Rev Limiter Over Boost Decel Cut
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*Plus much more ....*

<b>Correction Tables:</b>	<b>Fuel</b> Cranking Air Temperature Correction Coolant Temperature Correction Map Correction Cylinder Trim Generic Correction 1* Generic Correction 2* Gear Correction Post Start	<b>Ignition</b> Cranking Air Temperature Correction Coolant Temperature Correction Zero Throttle Cylinder Trim Generic Correction 1* Generic Correction 2* Gear Correction	<b>Boost</b> Air Temp Target Correction Air Temp Duty Correction Coolant Temp Correction Gear Correction TPS Correction Generic Correction*
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\*Generic Correction tables have user definable axis

**Miscellaneous:** Data Logging: 448Kb of onboard data logging. Storage for approx 40 minutes at 10 logs per seconds, 6 channels of data, max 20 channels logging capability  
 Tune can be password protected in software  
 Rugged anodized aluminum casing

**Factory Functions Not Supported:** Immobiliser / Wideband O2 sensor

**Power Requirements:**  
 Source: 8.6 to 16.5 Volts DC  
 Consumption: 530mA @ 12Volts DC

**Physical Specifications:**  
 ECU Dimensions  
 Length: 154mm  
 Width: 158mm  
 Height: 42mm  
 Weight: 680g (1.5 lb)

**Platinum Pro Plug-in Kit Includes:**  
 Pro Plug-in ECU  
 USB Cable  
 Programming Software CD  
 Quick Start Guide  
 Instruction Manual (on CD)

