

Complete MegaView Kits for your MegaSquirt are here!

This kit is for the MegaView-II kit for MS-II ECUs. For MegaView-I kits (for MS-I ECUs) [CLICK HERE](#).



That's right-- I've got everything you need to build your complete MegaView I or II, all nicely labeled in a neat little package just like all of my other kits. This took some research and time to get it just right but it's there now and you won't be disappointed. These kits included everything you'll need to build your MegaView up except tools, solder and time. I've worked out the buttons, and the header for connecting them and other details, and even worked up full step-by-step documentation for assembly since this wasn't quite together bfore. The only piece you'll have to come up with is a faceplate that's suitable for your vehicle since that's a somewhat custom affair. I've got some notes and a link to some ideas for this below.

I know I just stated everything is included.... but I still tend to get asked if everything is included ;) . So yes-- The VFD display, PCB, CPU, all resistors, diodes, capacitors, connectors, headers, wires, heatsink compound, and anything else I forgot to mention.... that's included too. ;)

Here's a couple of pictures of the final product after assembly, front and back:





(Metal endplate not included, that's just an old aluminium endplate I used to mount the buttons for now)

So what the heck is a MegaView?

MegaView is an add-on accessory for the MegaSquirt Electronic Fuel Injection System, providing real-time display of all engine operating parameters, and allowing for the edit of any configuration variable in the MegaSquirt ECU. This dual-function device was designed to be mounted in an automotive dashboard to provide feedback on all critical engine parameters or housed in an enclosure for use as a portable tuning device.

Features:

MegaView utilizes a high-efficiency Vacuum Fluorescent Display (VFD) which is easy to read in any light conditions, making it perfect for an installed dashboard application. In addition, the wide-operating range of the VFD is perfect for low temperature operation.

MegaView offers two operation modes: Runtime which displays the current engine operating parameters in "ticker-tape" scroll format, and Configurator which allows the edit of any of the MegaSquirt variables in real-time.

In **Runtime Ticker-tape mode**, the parameters displayed include current engine operation state (cranking, running, etc), enrichments, barometric pressure, engine MAP, coolant and intake air temperature, all computed enrichments, and injector pulsewidth. The automatic scroll mode can be frozen at any time in order to monitor any desired variable. In addition, any monitored parameter which is outside of normal operating conditions will "flash" on the display, alerting the driver of a possible adverse situation in real time.

The **Configurator mode** will allow the user to adjust any of the configuration parameters. This is useful for field-tuning and variable tweaking. It is not designed to replace the PC Configurator for tuning, but allows for simple parameter modification as needed.

There are versions of MegaView for MS and MS-II (This kit is for the MS-II). **Because of the complexity of the latter the MS-II version has the most display variables, but only a limited set of user inputs, with no capability to modify tables - only selected individual variables.** A Celsius version of MV-II is not needed because MS-II can be configured to operate in F or C.

MegaView Assembly Instructions-

Click Here for the MegaManual's MegaView Assembly Instructions Even if you use mine, read these.

Since the BOM left a few pieces needing to be spec'd out and named I've done so and I've gone through and documented every step of the process for my kits, Lance's doc above is better in most ways, though mine has labeling specific to my kits and some good ideas for how to make a header for the buttons and wire them up. I'll be looking into combining these.

Click Here for my Assembly Instructions

As for the faceplate, If you have a flat area of dash that could work nicely, or a blank radio 'plate' above your radio or A/C controls would work well too. There are links to information on this with pics in the assembly doc.

Full MegaView documentation can be found on B&G's website here:

<http://www.bgsoflex.com/mv/megaview.html>

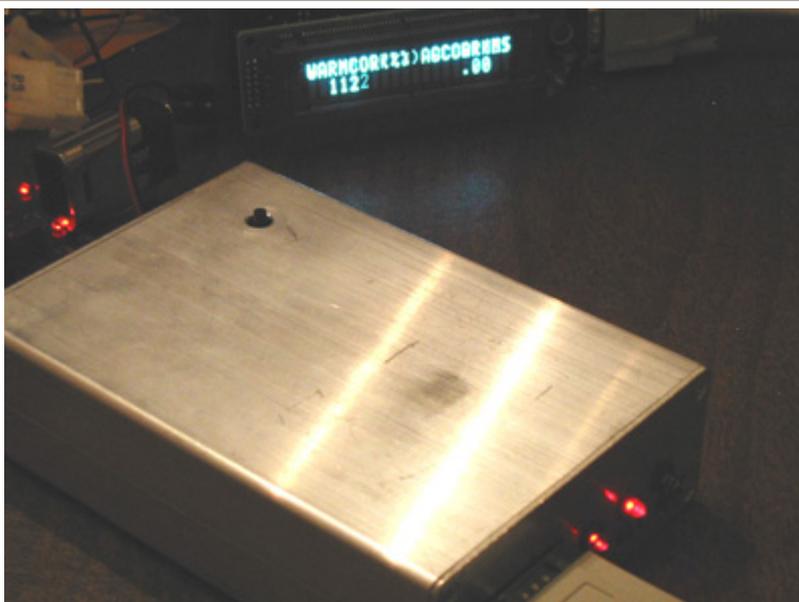
Also check out the MegaView section of the MegaManual here:

<http://www.megasquirt.info/v22manual/mtune.htm#mv>

Read This!

Note--- The MegaView works with all versions of the PCB, v1, v2.2, and v3.0. Though for v3.0 MegaSquirt ECU users you need to make sure your cable from the ECU doesn't patch pin 9 through to the MegaView as this will cause a short. (Pin9 on the v3 is 5v, on the MegaView is ground.) The easiest solution is to use needlenose pliers and carefully remove pin9 from the DB9 connector on the MegaView. It will come out with just a bit of wiggling. That's a simple, permanent solution. The pins are numbered if you look closely inside the connector.

MegaView Digital Dashboard and Configurator by Bowling & Grippo



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