



DB Digital Air/Fuel Gauge (with Innovate Motorsports text) LC-1 Quick Start Guide

1. Wire the LC-1 per the unit's instructions
2. Connect the gauge's **RED** wire to a switched 12 volt source (ignition switched).
3. Connect the gauge's **BLACK** ground wire at the LC-1's White ground point. This ground point should ideally be an engine block ground.
4. Connect the gauge's **WHITE** wire to the LC-1's Brown analog output 2. The gauge is setup to work with the LC-1's analog output 2 factory default setting of $0v = 7.35$ A/F and $5v = 22.39$ A/F.
5. Connect the **YELLOW** wire to a headlight power wire (a wire that supplies current to the headlights). This enables the display to dim for better nighttime viewing. **DO NOT CONNECT THIS WIRE TO THE HEADLIGHT DIMMING WIRE.** Connection to this rheostat type of switch will cause the gauge to malfunction. If you chose not to utilize the dimming feature, connect the yellow wire to ground.

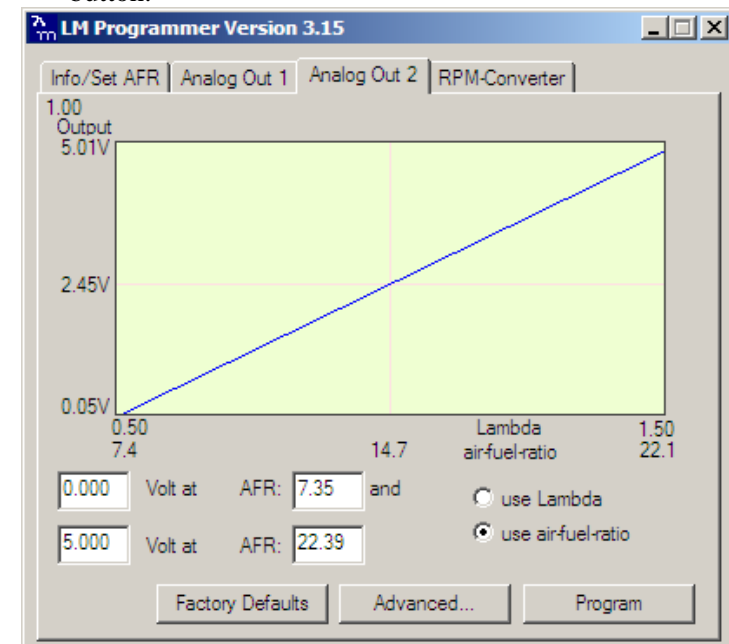
Optional Tip/Trick (requires connection of LC-1 to PC)

The LC-1 can be programmed to output specific voltages during warm-up and error conditions. This can be done by connecting the LC-1 to the computer and launching **LM Programmer**. The warm-up and error condition options for the analog output are under the *Advanced...* settings. For example, if you setup the error condition at 5V your gauge will display full lean if any problem arises. Please refer to chapter 6.5.1 in the LC-1 manual for further information.



DB Digital Air/Fuel Gauge (with Innovate Motorsports text) LM-1/LM-2 Quick Start Guide

1. Connect the gauge's **RED** wire to a switched 12 volt source (ignition switched).
2. Connect the gauge's **BLACK** ground wire and the LM-1's or LM-2's corresponding analog ground to a solid ground point.
3. Connect the gauge's **WHITE** wire to the white analog output wire if you have an LM-1 or to the lime green wire if you have an LM-2.
4. Connect the **YELLOW** wire to a headlight power wire (a wire that supplies current to the headlights). This enables the display to for better nighttime viewing. **DO NOT CONNECT THIS WIRE TO THE HEADLIGHT DIMMING WIRE.** Connection to this rheostat type of switch will cause the gauge to malfunction. If you chose not to utilize the dimming feature, connect the yellow wire to ground.
5. **ONLY LM-1 users:** Connect the LM-1 to the computer and launch LM Programmer. Setup the analog output 2 and configure it as $0v = 7.35$ A/F and $5v = 22.39$ A/F. Lastly click on the "Program" button.





DB Digital Air/Fuel Gauge (Wide-Band Air/Fuel text) LC-1 Quick Start Guide

1. Wire the LC-1 per the unit's instructions
2. Connect the gauge's **RED** wire to a switched 12 volt source (ignition switched).
3. Connect the gauge's **BLACK** ground wire at the LC-1's White ground point. This ground point should ideally be an engine block ground.
4. Connect the gauge's **BLUE** wire to the LC-1's Brown analog output 2. The gauge is setup to work with the LC-1's analog output 2 factory default setting of 0v = 7.35 A/F and 5v = 22.39 A/F.
5. Connect the **PURPLE** wire to a headlight power wire (a wire that supplies current to the headlights). This enables the display to dim for better nighttime viewing. **DO NOT CONNECT THIS WIRE TO THE HEADLIGHT DIMMING WIRE.** Connection to this rheostat type of switch will cause the gauge to malfunction. If you chose not to utilize the dimming feature, connect the purple wire to ground.

Optional Tip/Trick (requires connection of LC-1 to PC)

The LC-1 can be programmed to output specific voltages during warm-up and error conditions. This can be done by connecting the LC-1 to the computer and launching **LM Programmer**. The warm-up and error condition options for the analog output are under the *Advanced...* settings. For example, if you setup the error condition at 5V your gauge will display full lean if any problem arises. Please refer to chapter 6.5.1 in the LC-1 manual for further information.



DB Digital Air/Fuel Gauge (Wide-Band Air/Fuel text) LM-1/LM-2 Quick Start Guide

1. Connect the gauge's **RED** wire to a switched 12 volt source (ignition switched).
2. Connect the gauge's **BLACK** ground wire and the LM-1's or LM-2's corresponding analog ground to a solid ground point.
3. Connect the gauge's **BLUE** wire to the white analog output wire if you have an LM-1 or to the lime green wire if you have an LM-2.
4. Connect the **PURPLE** wire to a headlight power wire (a wire that supplies current to the headlights). This enables the display to for better nighttime viewing. **DO NOT CONNECT THIS WIRE TO THE HEADLIGHT DIMMING WIRE.** Connection to this rheostat type of switch will cause the gauge to malfunction. If you chose not to utilize the dimming feature, connect the purple wire to ground.
5. **ONLY LM-1 users:** Connect the LM-1 to the computer and launch LM Programmer. Setup the analog output 2 and configure it as 0v = 7.35 A/F and 5v = 22.39 A/F. Lastly click on the "Program" button.

