



MC.2

MANUAL CONTROLLER
INSTALLATION INSTRUCTIONS



Ver. 1.1

Slam Specialties

Model No. : MC.2

Made in USA

Control System

Congratulations, on the purchase of your Slam Specialties MC.2 Manual Controller. The MC.2 is a two part control system for your air suspension vehicle consisting of a handheld control unit and the accompanying receiver/driver module. Microprocessors and solid state drivers offer a fast reliable response, while communicating with each other over a pair of wires making the unit easy to install and flexible to move. The MC.2 manual controller handheld is LED back-lit, and can be customized to your personal preference.

There are two multi-conductor cables on the receiver harness, Power, Ignition, Ground, and Illumination. The 9-conductor wire has the mating Molex connector to our SV-8C valve manifold making them a true plug and play combination. Please follow these installation notes for installing and setting up your MC.2.

The MC.2 is backed with Slam Specialties 1 year warranty against manufacture defects. This does not include damages that are caused by user error or neglect. Slam Specialties is not responsible for issues or injuries due to improper installation or failure to follow these directions. For more warranty information or to submit a warranty claim contact us by phone at 559.348.9038 or by email at info@slamspecialties.com

**** WARNING DO NOT PLUG MC.2 HAND HELD INTO MC.1 RECEIVER****

FOR OFF ROAD/SHOW USE ONLY

Properly connect your MC.2 by using the supplied wire harness. Connect the RED wire to a +12v ignition source by using the supplied wire connectors. Connect the YELLOW wire direct to a +12v battery source by using the supplied wire connectors. **DO NOT REMOVE THE INSTALLED 10A FUSE!!** Use the supplied ring terminal to ground the BLACK wire to your vehicle chassis.

(Optional) Connect the ORANGE wire using the supplied wire connectors to a +12v switched headlight dimming source. (see fig.1)

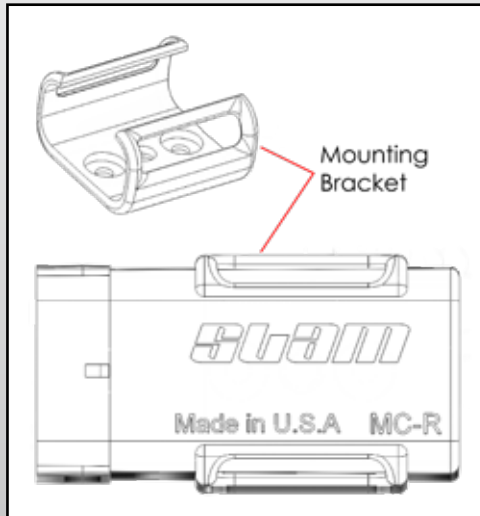


fig. 2

- Red — Ignition (+12v)
- Yellow — Battery (+12v)
- Black — Ground
- Orange — Illumination (+12v)

Using the supplied self-tapping screws fasten the included receiver mounting bracket in a safe location away from heat or any moving components. The MC.R receiver is water tight and can be mounted on the frame rail or near your valve location. Clip the MC.R into the mounting bracket. (see fig.2) Connect the 16-pin connector to your receiver and connect the 3.5mm audio plug from your MC.2 hand unit to your MC.R.

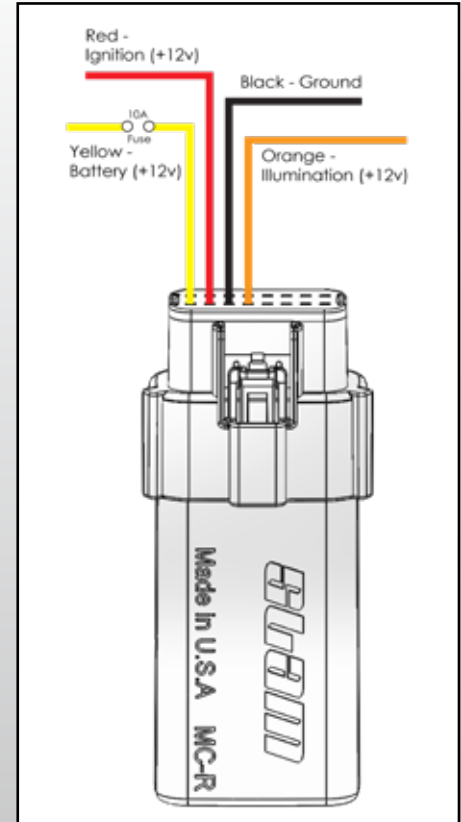
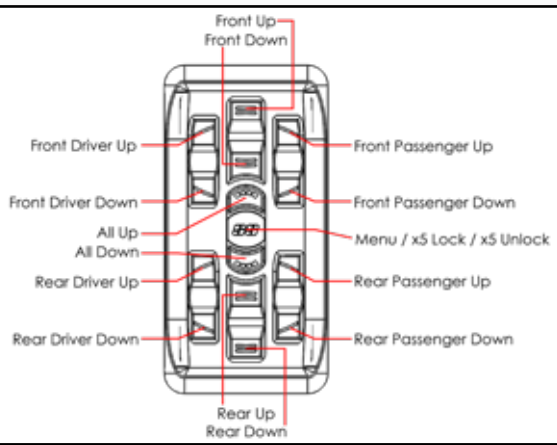


fig. 1



Valve Wiring

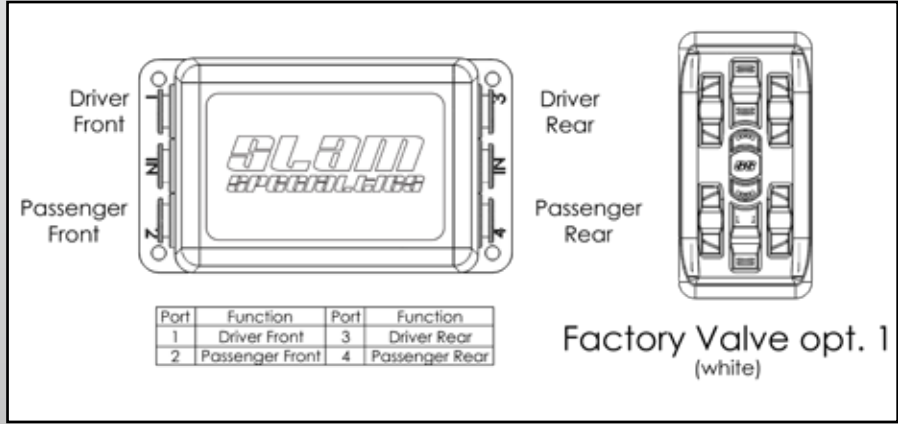
The MC.2 receiver is designed to work in conjunction with the Slam Specialties SV-8C valve manifold, by plugging direct to the manifold with the pre-installed 8pin Molex connector.

If our SV-8C is not being used, the attached Molex connector on the receiver wire harness will need to be removed by trimming the wires. Once the Molex connector has been removed follow the wire colors in fig. 3 to connect to the corresponding installed valves using the supplied bullet connectors.

If you do not want to cut the connectors off, an optional MC.2 harness is sold separately (contact 559-348-9038).

Port	Wire Color	Function
1	Black	Front Driver Fill
	Green	Front Driver Dump
2	Yellow	Front Passenger Fill
	Orange	Front Passenger Dump
3	Brown	Rear Driver Fill
	Blue	Rear Driver Dump
4	Purple	Rear Passenger Fill
	White	Rear Passenger Dump

fig. 3



Factory Valve opt. 1 (white)

fig. 4

When your MC.2 is powered for the first time you will need to set the valve placement and handheld wire orientation. The MC.2 will default to our factory valve orientation (fig.4) matching the wiring layout in (fig.3). You can select any of the five preset valve orientations that fits your build best using fig.5 (note: re-routing of airlines may be needed).

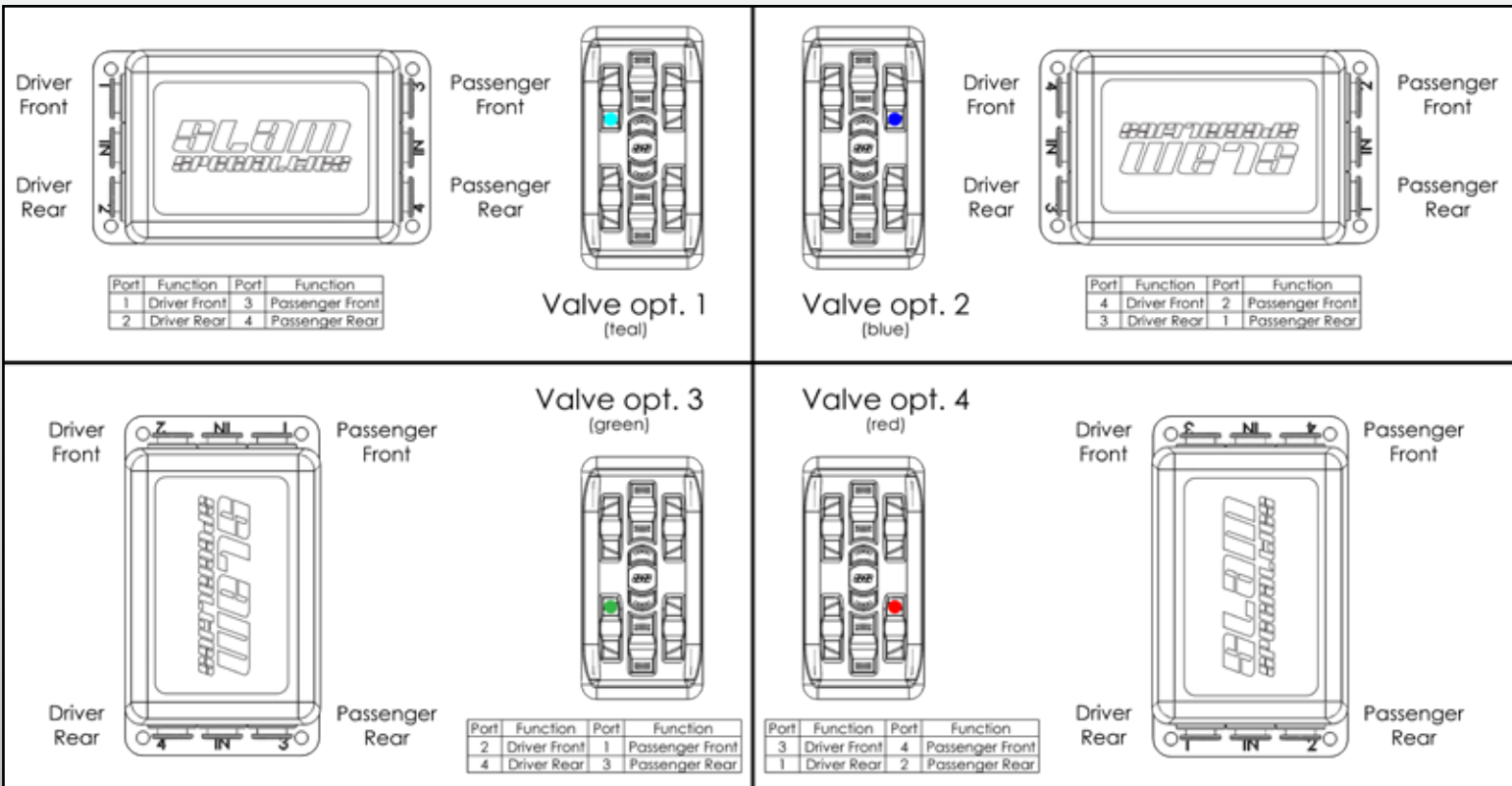


fig. 5

Setting the wire orientation will allow you to use the MC.2 handheld controller with the wire coming from the bottom or the top of the controller. Once you set your orientation it will be saved, but can be changed if needed. After setting your valve position option the handheld will have a steady RED led, blinking RED led, and steady BLUE led.

The blinking RED led indicates the current TOP of the handheld controller, if the blinking red button is pressed no orientation changes will be made and the controller will move to the next step. Pressing the steady RED led changes the orientation of the controller, rotating the button functions making the wire come out of the opposite end of the handheld. The steady BLUE led button is a factory reset. This will clear all saved selected options on the handheld.

(see fig.6)

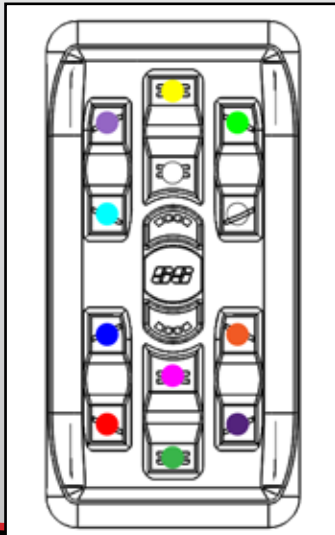


fig. 7

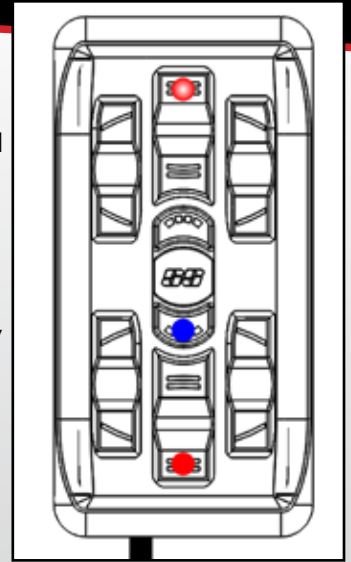


fig. 6

Your MC.2 handheld controller is LED back lit and can be customized to your personal preference. Once the initial set up process is complete and your controller is operating properly the controller can now be customized. Press and hold the center "SS" menu button until the display changes to the color menu. 12 preset color options will illuminate including an "OFF" button. The "OFF" button simply turns off all the LED lights except the center "SS" button, this will stay lit red. To choose a color press the corresponding button. The LED face will cascade down indicating the controller orientation and the chosen color. (see fig.7)

You can adjust the brightness of your handheld LED. Press and hold the “SS” menu button twice to the second menu option. Two LED’s will light up. To increase the LED brightness press the “All Up” or blue button, and to decrease the LED brightness press the “All Down” or lighter blue button. The upper 6 LED will display the selected brightness level. The MC.2 handheld has 3 preset brightness levels to choose from. To exit and save the brightness menu press the “SS” button. Pressing the purple button will keep the LED’s on at all times. Pressing the green will time out the LED’s after 10 minutes, LED’s will come back on when any button is pressed. Press the center “SS” button to save all settings.

The MC.2 handheld controller also offers a lock out feature. This will disable all the functions of the handheld controller. To Lock Out your controller quickly press the “SS” menu button 5 times from the main controller screen. All functions and LED will shut down except for the “SS” menu button this will stay illuminated red. Pressing the “SS” menu button quickly 5 times again will Unlock the handheld resuming function to all the buttons.

After installation and set up is complete the orientation menus will lock out. To regain access to the controller and valve orientation press and hold the two blinking Red LED’s at the same time. (see fig.8)

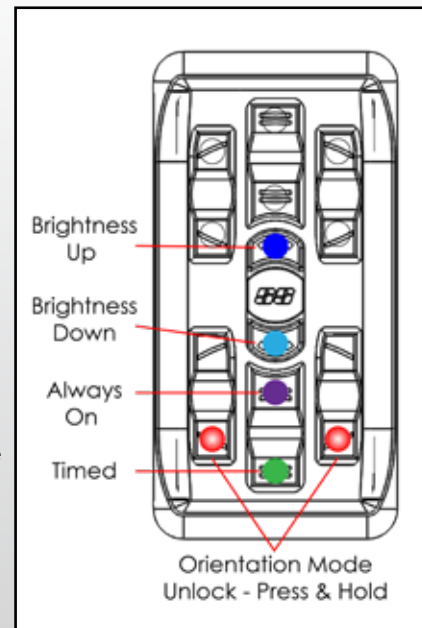
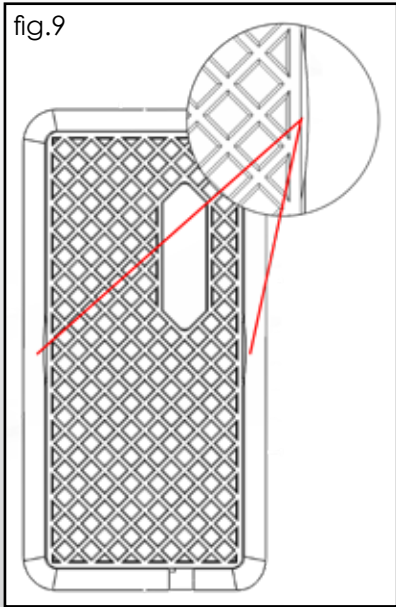


fig.8

The back panel of your MC.2 handheld is removable giving you access to disconnect and remove the cable from your handheld. This is necessary if you are removing the handheld for maintenance or for replacement of the cable. Start by locating the slots on the side of the back panel and lift the center with your fingernails or a non-abrasive tool. Lifting from the center will allow the panel to flex just enough to pull away from the aluminum bezel. Reinstall the back panel by aligning the protruding guide and making sure the arrow is pointing down toward the cable. Slightly flex the panel into an arch to lock the top and bottom guides into the channels of the bezel locking it into place. (see fig.9)

fig.9



With the back panel removed you can remove the cable from the handheld. This is done by sliding the cable/connector up toward the center of the handheld. This will unlock the connector from the bezel as well as undo the spring loaded connection. Pull the cable straight out of the handheld bezel, note that the cable will have positive charge if the vehicle ignition is on the "ON" position. Place the cable in a safe location or protect it from touching any type of ground as this will cause damages to the receiver. (see fig.10)

Reinstall the cable into the aluminum bezel and align connector. Slightly apply pressure to compress the springs on the 4-pin connector and slide the connector

down toward the bottom of the bezel. The connector will be held in place by the aluminum bezel and will be locked into place once the back panel is re-installed. (see fig.10)

**** Do not cut handheld cable to shorten or extend. If a custom length cable is needed contact us at 559.348.9038 ****

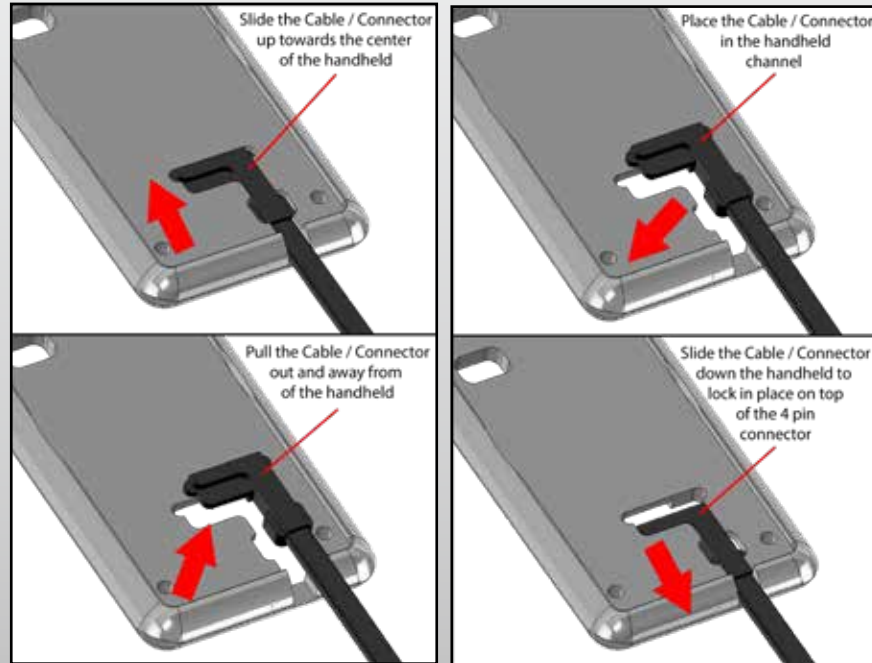
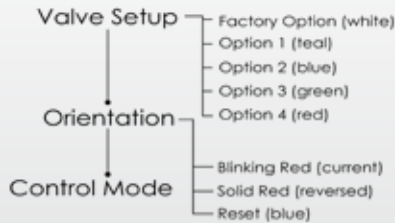
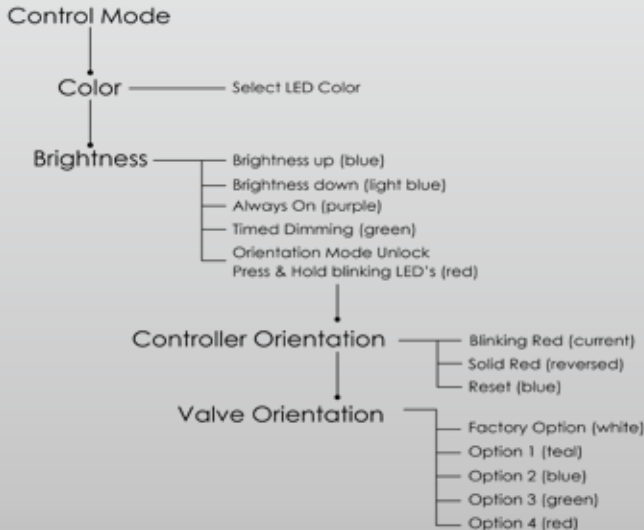


fig.10

First Run/Factory Reset
Operation Flow Chart



Program Menu
Operation Flow Chart



Bill Of Materials

Description	Qty.
MC.2 Handheld Controller	1
MC Receiver w/Bracket	1
MC.2 Wire Harness w/Plugs	1
Female Bullet Connector	8
Male Bullet Connector	8
Self Tapping Screw	2
Blue Ring Terminal 1/4" hole	1
Inline Fuse Holder w/10amp Fuse	1
Spare 10amp AGC Fuse	1
Quick Splice Blue	3

For more information, FAQ, and trouble shooting visit us online at <http://www.slamspecialties.com/W/diagrams>

DON'T FORGET YOUR SLAM GEAR!



To get your Slam Gear contact us by phone at 559.348.9038 or by email at info@slamspecialties.com



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