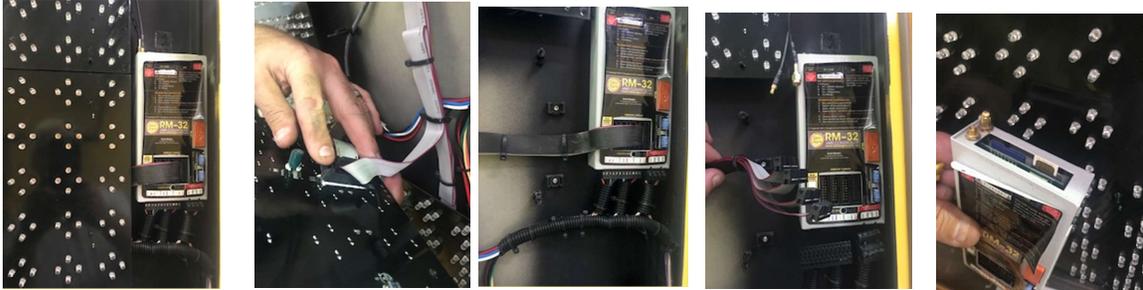


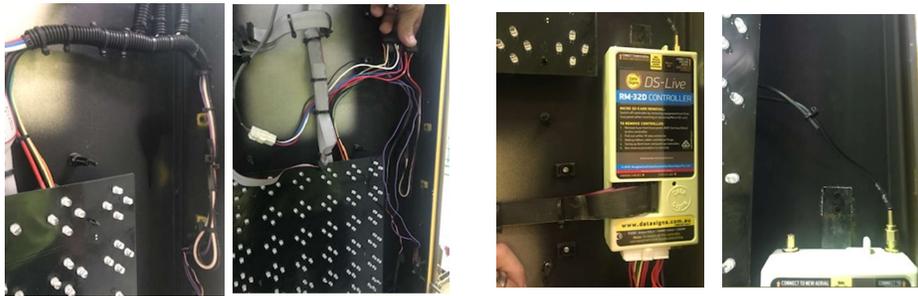
## Simple Controller upgrade wiring instruction

1. Remove ALL fuses from batteries.
2. Remove old controller, back up battery and other parts and brackets, then remove the LED panel next to the controller, then unplug all cables from the controller, and remove it.

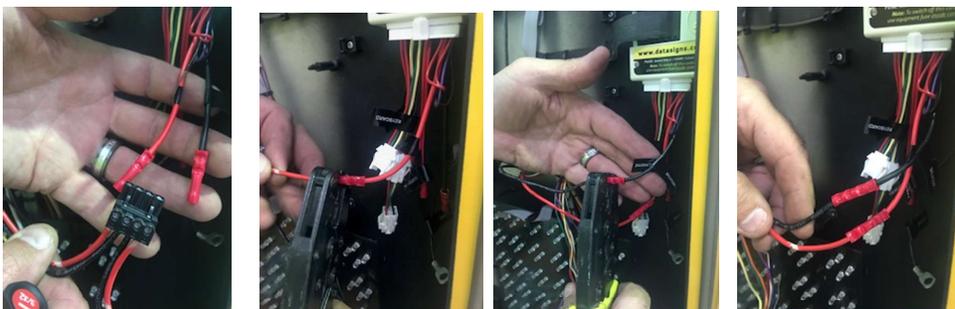
Take the SIM card out of the controller before it is discarded, this SIM card should be returned to your Telco to take it off the plan you are on as it is no longer needed.



3. If fitted Remove small battery inside sign head below controller, disconnect wires. Proceed to remove the cable covering (if fitted) to expose the wires. Fit the New Controller (with the wiring harness fitted) into the sign and plug the 4 Ribbon Cables back in. Plug the original aerial wire into the right side as shown. Cut of the small GPS cable and tie to the cable as shown.



4. Unscrew +Ve wire on 4 way connector pin 1 and crimp to +Ve crimp connector of new wire harness  
Unscrew -Ve wire on 4 way connector pin 2 and crimp to -Ve crimp connector of new wire harness



5. Unscrew Fan -Ve wire from 14 way connector pin 2 and crimp to -Ve Fan connector of new wire harness. (the Negative wire is the one with the stripe on the actual wire)

Unscrew Fan +Ve wire from 14 way connector pin 3 and crimp to +ve Fan connector of new wire harness



### **If a Radar is fitted**

1. Unplug 4 way connector and plug into new wiring harness connector. Use the additional adaptor if required.



### **If Local VMS Computer is still required**

A new Series-II VMS Computer would be needed as the old type is not compatible with the new controller

### **Last wiring process:**

2. Remove / cut back all other wiring from the 14 way connector, terminate ends with tape to prevent unwanted short circuits.
3. Cut off wires from the lid switch also. This function is now longer used
4. Tidy up all cable as show, put LED panel back



**Final operational Notes:**

The hoist control function has not changed, use the existing switch as you have before.

The Show Message and Blank Display switch is now no longer used as it is incompatible with the older style control panel. Use DS-Live to Show or Blank Message

The VMS Computer if it was used in the control box is now no longer functional, if a local VMS keyboard is still to be used a new current one will need to be purchased. It is connected when needed to the other 4 way connector on the wiring harness designated "VMS Computer".

The Tamper function is now disabled.

Go through the complete upgrade procedure again ensure everything is as per instructions.  
Re insert fuses to power up the new controller.

The sign is now online to the DS-Live™ platform and controller and programmed from there  
You can also use the AppVMS Phone App to control the sign