

# User manual

## Operational Guidelines

### Standard operations

Refer to touch screen controller shown on the left:



- Button **1** to switch the VMS display between Amber only mode or PENTA (5 color) mode.
- Button **2** to switch VMS display off, but touch screen controller stays on (use power switch on the right side of the controller to completely power off the system).
- Keypad **3** to key in number codes for selected messages (the message list with number codes should be provided by the manufacturer). Used SET button after keyed in number code.
- Navigation buttons **4** are used to selected messages without number codes. Selected message number code is shown in between the buttons.
- Preview screen **5** displays current selected message. When the screen is in grey color, this indicates button **2** is switched and VMS display is off.

Note:

- Preview screen mimics what is displayed on the VMS.
- When system is powered off, last selected states and messages are remembered and retains when power on.

### Radar settings

To enter radar setting press button **6**. the screen will change to radar setting screen show on the second image.

There are **3** settings for the radar:

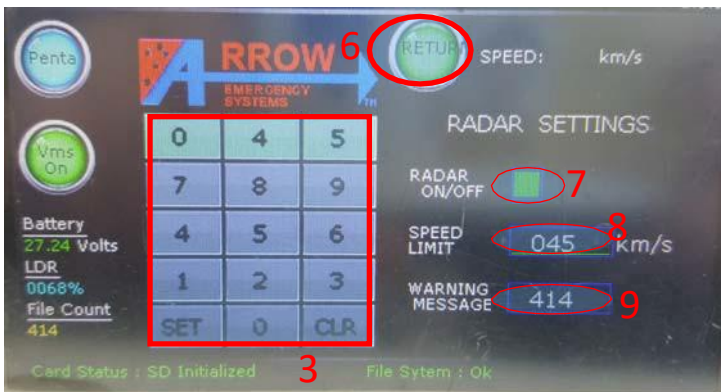
-Radar On/Off button **7**, pressing this button will allow the radar to be enabled or disabled.

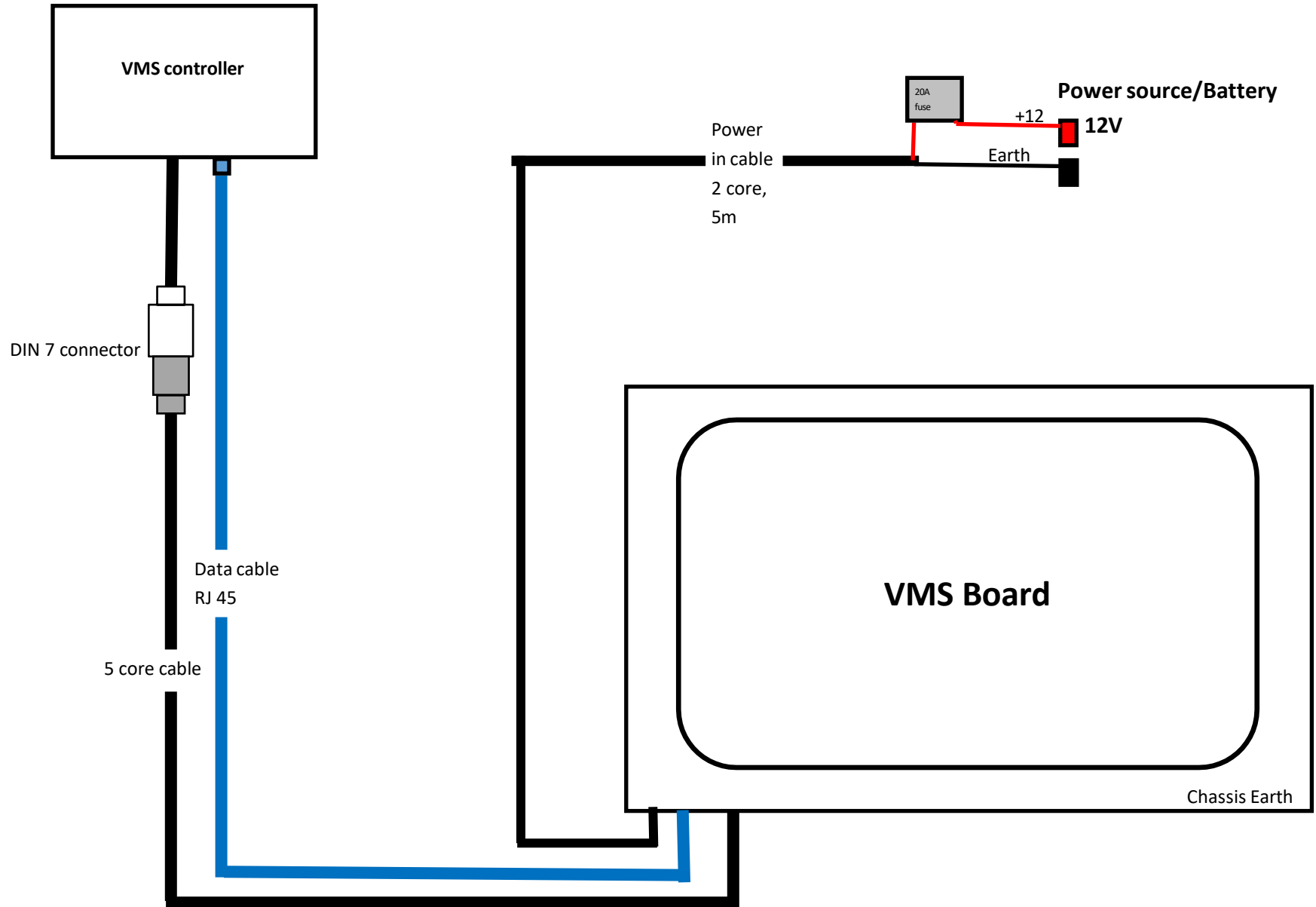
-Speed limit text box **8**, pressing this text box allows the speed to be set using the Keypad **3**. A green on the bottom of the text indicates the text box is selected.

-warning message text box **9**, pressing this text box allows the warning message to be set by using Keypad **3**. A green on the bottom of the text indicates the text box is selected.

Note: use message print out code to select which message to be set and shown when detection speed is over the set limit.

Press button **6** to return to main VMS screen. Third image on the left shows when detected speed **10** is over the limit and the set warning message (message 414) will be displayed instead of the standard message. This message display for at least 3 seconds and stays displayed until speed is under the limit again and standard message is displayed.





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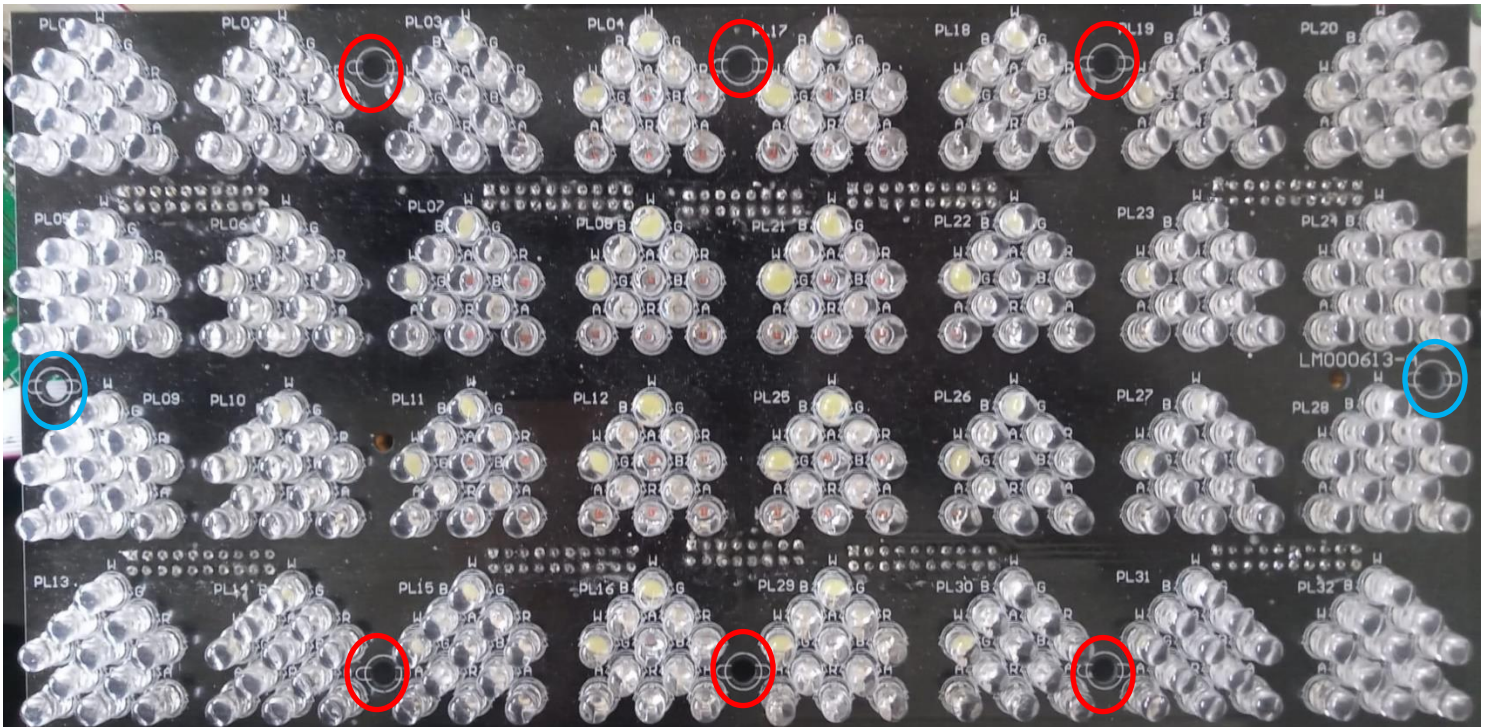
## Replacing an Arrowes VMS LED Panel

**Power-off VMS when replacing VMS panels**

### Step 1: Remove the faulty panel

Unlatch VMS frame door latches located on the bottom of the VMS, then open door.

Refer to image below of the marked clips and screws on red:

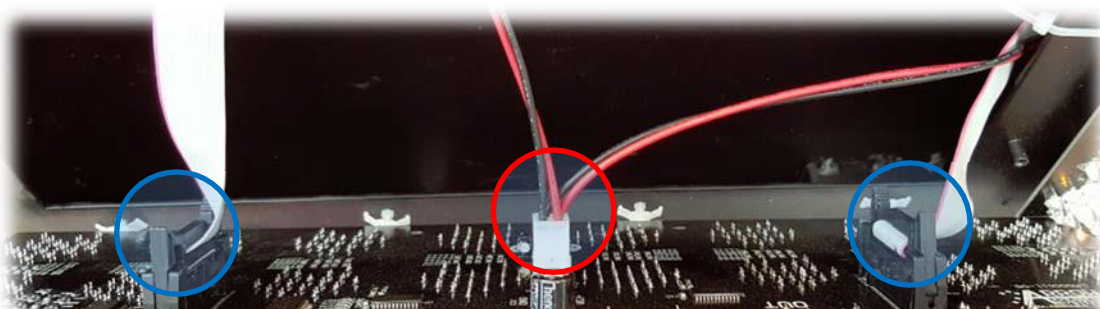


- Unscrew the 2 x marked screws in blue.
- Using a plier to unclip the marked plastic clips along the edges of the panel, then release the panel.

### Step 2: Disconnect cables and replace the faulty panel

Refer to image below of the 3 cable connectors:

- Unplug power cable on the red marked cable connector.
- Release latched of the blue marked cable connectors, then unplug the cables.
- Remove and Replace the LED panel, ensure that the panel the right side up and referencing to the arrangement of the LED pixels, where the sharp angle is point upwards.
- Connect the 3 cables to the 3 marked connector, cables can only go in one way.
- Push and clip on the new panel back onto the clips, then screw on the screws.



## Warranty

The Arrow Emergency Systems VMS is supplied with a limited ex-factory warranty for 12 months.

