

# REVCAMUK

Reversing cameras UK Ltd

## Instructions for our 5 inch Stand On Dash Monitor



Thank you for your purchase of our 5 inch diagonally measured LCD stand on dash monitor. This heavy duty display is designed for automobile use, and can work with 12V and 24V electrics. There are 3 channel inputs for reversing cameras / rear view cameras to fit to. This monitor shows each input one at a time.

Our monitor guide will assist you with the wiring layout and basic functions of the monitor. If you have purchased this monitor in one of our kit bundles you will also have a main kit instruction guide to follow. Depending on the camera model, you may even find extra fitting notes or guides for this too.

If you require any further assistance in any aspect of fitting, please do not hesitate to email us : [support@revcam.uk](mailto:support@revcam.uk)

## Technical Specs

3x 4 Pin Video inputs (2 of them with audio)

PAL and NTSC (CVBS input - most commonly found)

Resolution 800 x (RGB) x 480

Power Supply 12-24V

Remote control

OSD Menu

Built In Speaker (if your camera has a microphone)

5" Digital LCD Panel

U-Shaped bracket + Rear Channel for optional mounts to fit

## Contents of Monitor Box

See the image below to see what comes supplied in the box.



## Wiring Harness Guide

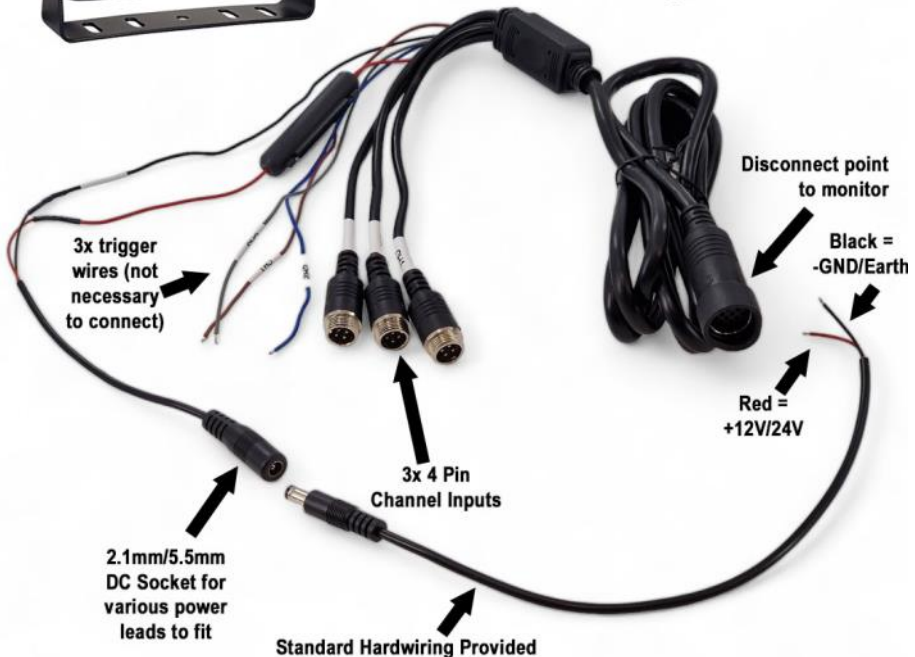
You will notice that the monitor has a short fly lead, this then plugs in to a 2M long lead that we refer to as the monitor wiring harness. One end of this has a 13 pin connector that fits in to the monitor fly lead, whilst the other end has the following inputs/wires listed below :

- 3x 4 pin male aviation (the inputs for the 3 available channels).
- Red wire + black wire combined to a 2.1mm/5.5mm DC power socket (this socket fits our various power leads eg standard, lighter plug, and fuse taps).
- 3x coloured trigger wires with CH1, CH2, CH3 labelled on to them - these can be connected to various power sources to trigger a camera if an event occurs e.g. show reversing camera when reverse light gains power.



### 5 inch monitor for reversing cameras wiring harness

Approximately 200cm in length, the wiring harness has space for up to 3 cameras, and 3 triggers.



## **Trigger Wire Functions**

There are 3 coloured wires that have CH1, CH2, and CH3 printed on their labels. When one of these wires has a voltage applied, the monitor will turn itself ON (if it was off), and select the channel number that is printed on the wire's label. If the monitor was already on but you were watching a different channel then the monitor would change channel to the related channel written on the trigger wire. When the voltage is no longer present the monitor will return to the previous state it was in before the trigger event.

The most common use for trigger wires is the reverse light e.g. you have a twin lens camera, you have placed the wire from the downward view parking camera in to CH2. In this scenario you would run a wire from the reverse light positive feed to the coloured wire labelled CH2.

If you are using multiple trigger wires, the camera that will be shown is the newest trigger event e.g. you have a side camera in channel 3 already triggered by indicator lights, but then you select reverse linked to channel 2 - the last even will take priority and the monitor would change to channel 2.

Please kindly note that these trigger wires are not required to be attached. If you do not want to wire up to your reverse lights etc then you can leave these wires blank. We usually recommend adding a bit of insulation tape over the ends just in case.

If you wish to setup your monitor to run full time, you simply have to connect the red wire to a positive, and the black wire to earth. The trigger wires should be left unconnected in this case. The monitor will remember its last power state when power is lost. So, if you had your monitor on before you turn the ignition off, when ignition is turned back on, the monitor will power up by itself.

## **Choosing a power supply and earth**

We recommend that you use a switched ignition power supply, either 12V or 24V (it will automatically work on either).

We advise against going directly to the vehicle battery. Otherwise the system will be at risk due to the voltage fluctuations experienced as the alternator kicks on/off.

Avoid always on power supplies - the monitor will still consume power even when you press the power button and the monitor goes to standby mode.

We recommend earthing direct to the chassis, at a point with a bare metal surface. We recommend against piggybacking off another existing earth wire.

## Button Layout

The monitor has 5 buttons located at the front of the monitor, see photo below :



The **CAM Button** allows you to toggle between the 3 channels.

The **M Button** takes you to the Menu display, this allows you to make adjustments to brightness, contrast etc.

The **Standby Button** allows you to turn the display ON and OFF.

The **Up and Down arrow buttons** allow you to adjust the settings once you are in the menu setting you wish to modify.

## Menu Guide

The menu is very simple and easy to operate. We have written a brief description of what each of the menu settings does. To go between the menus simply press the M button until you reach the one you wish to change. This booklet has them listed in the same order as you will find them in the menu.

### Brightness

Rather self explanatory, this menu setting simply adjusts the brightness of the display so that it can be optimised for your viewing comfort. To adjust simply press the M button until you find the screen labelled Brightness, then press either the up or down arrow until it has reached your desired setting.

### Contrast

Again, rather self explanatory, this menu setting simply adjusts the contrast of the display. To adjust simply press the M button until you find the screen labelled Contrast, then press either the up or down arrow until it has reached your desired setting.

## **Colour**

We all need a little colour in our lives. To adjust the monitor colour level simply press the M button until you find the screen labelled Colour, then press either the up or down arrow until it has reached your desired setting.

## **Volume**

This only applies if you have a reversing camera with a built in microphone, which is rare (we only stock a few that do). If you have a microphone in your camera you can adjust the volume of the monitor by pressing either the up or down arrow until it has reached your desired setting. Please kindly note that the audio function is only present on Channel 1 and Channel 2, so ensure your camera is placed in to one of these two channels.

## **Zoom**

This setting adjusts between 16:9 aspect ratio and 4:3 aspect ratio. We recommend leaving it set to 16:9 to gain the benefit of the full width of the LCD panel for the image to display on (avoiding black bars).

## **TCON (Rotation Settings)**

This menu allows you to choose to rotate the image of the display. In almost all scenarios this menu does not need to be touched. This menu will allow you to flip the image upside down, as well as mirror/unmirror the picture. This also affects the menu text as you do so and impacts all 3 channels.

## **ACC Time**

This setting is useful if you plan on using a trigger wire for the indicator lights to trigger a side camera. This prevents the monitor switching on/off with the flashing lights. Simply set the time using the up/down arrow so that the number of seconds is long enough to keep the monitor on between light flashes. Available settings are 2, 5, and 10 seconds.

## **Lang (Language)**

Careful with this one. This setting changes the language. If you have inadvertently changed your monitor language settings to Martian, simply press the M button 8 times, then press the arrow buttons to toggle between 9 different common languages until you find one you are happy with.

## Using Alternative Brackets with Display

The U bracket that comes as standard with the monitor can be removed, and an alternative bracket can be fitted to the rear channel of the monitor instead.



To remove the U bracket, simply undo both the thumb screw and the allen key screw from both sides. Then remove the monitor from the U bracket.

To fit the new bracket to the monitor, slide the fitment in to the rear channel of the monitor and use the brackets tightening mechanism to lock the two parts together.

We stock a range of brackets to fix the display to various locations in the vehicle.

## Optional Brackets for monitor

Our selection of alternative brackets to fit the monitor rear channel.



## Removing the Sunshade

This can be done, but it isn't super easy to get the monitor shroud off. We don't envisage people taking this on and off on a regular basis. To do so it is advisable to first remove the U bracket to help improve access to the hood.

When removing the hood we recommend using nylon trim removal tools (to avoid scratching the plastic). See image to the right that shows the location of the tabs that you will need to prise off the sunshade to release.



Prise the top and bottom of one side of the monitor to release the clips on sunhood



See photo to see location of where the clips attach to.



Photo above shows the clips on the inside of the sunhood.



Photo above shows the monitor with the sunhood removed. This is our dusty display model / testing monitor.

## What is the socket on the front of the display?

Most people will never use this, but we will cover it's use in this manual nevertheless. This is an AV socket that is linked to Channel 1. We provide an adaptor to go with it. If you have a portable DVD/media player/camcorder with phono/RCA video and audio out, then you can use it to feed to channel 1 on this monitor. Please note that it over rides the 4 pin CH1 input, it doesn't provide a 4th channel.



**Thanks again from the REVCAMUK team.  
Save travels.**