

TRAILER CONNECTIONS:



Command heavy duty trailer connections are designed to be robust and durable in all conditions and ideal for connecting cameras to monitors in a range of applications for cars, buses, trucks, farm machinery, mining and much more.

91CMDTCHD: The Single Input Trailer Cable kit with Metal Screw-In type connectors is perfect for customers wanting to mount a single camera on the back of their caravan, trailer, horse float or any application where camera is not mounted to the towing vehicle and a secure long term connection is required.

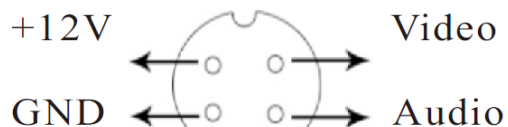


91CMDTC1: The Single Input Trailer Cable kit with Plastic Push-In type connectors is perfect for customers wanting to mount a single camera on the back of their caravan, trailer, horse float or any application where camera is not mounted to the towing vehicle and a quick and easy connection system is required.

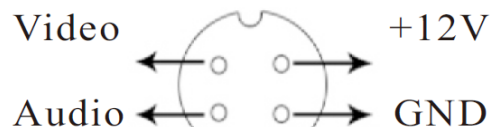


91CMDTC2: The super heavy duty Dual Input Trailer Cable kit with industrial grade Push-In type connectors is perfect for customers wanting to mount more than one camera on the back of their caravan, trailer, horse float or any application where camera is not mounted to the towing vehicle. This cable is also suitable for larger trailers due to the additional length of the cable and robust connectors.

Aviation Female Connector



Aviation Male Connector



IMPORTANT INFORMATION

PLEASE ENSURE ALL DRIVERS READ THIS SECTION

This Command Parking Systems are designed as parking aids. The Command Auto Group Pty Ltd does not guarantee detection of all obstructions in all cases, and accepts no responsibility for damage or injury.

Please test this system in a familiar area to ensure you

COMMAND



USER MANUAL

Before installing monitor please read this manual thoroughly and retain it for future reference.



Distributed in Australia by:

Command Auto Group Pty Ltd
Unit G, 2 Hudson Avenue, Castle Hill NSW 2154 Australia
PO BOX 7145, Baulkham Hills Business Centre NSW 2153
Phone +61 2 8853 2900 Fax +61 2 8853 2999
Email sales@tcag.com.au

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91CMD5S5 / 91CMD57HD

V1.0

91CMDS5S/S7HD

TFT LCD MONITOR

Product Description:

The Command 91CMDS5S and 91CMDS7HD monitors aid in the detection of obstructions behind, in front or even along the side your vehicle. There may be circumstances where a small object is not detected so the driver must still exercise care to avoid a collision.

The system can be automatically activated by a number of sources such as reverse light, side indicator or toggle switch. If automatic activation is not required the monitor can be used manually by way of the buttons on the screen or by the infrared remote supplied in this kit.

Installation Instructions:

For reliable operation stable 12-32 volt ignition is required, preferably from the rear of the key barrel or primary ignition fuse, and an independent (not common) earth point.

All wiring connections must be soldered and insulated before attempting to test. Temporary connections are likely to create false test results.

The system is recommended for fitment to all 12-32 volt vehicles.

These instructions are provided for Auto-Initiate Reversing Camera installation. If you wish to use for any other purpose please go to www.commandauto.com.au for additional fitment information.

Technical Specifications:

- Operating Voltage: DC 12-32V +-10%
- Size: 5" / 7"
- Aspect Ratio: 16:9
- Luminance: 450cd/m²
- Resolution: 800*480
- Inputs: 2 x 4pin Video
1 x AV Trigger
- System: PAL/ NTSC (AUTO)
- Working Temperature: -30~+70°C

SUITABLE CAMERAS Cont...



91CMDC240 (2nd GEN) - The Command Heavy Duty 120 Dual Lens Box Camera uses 2 high quality, high resolution 700TVL SHARP CCD image processors to create a clear high mount reversing and rearview image with a single camera.

This camera has a IP rating of IP68, is equipped with 30 light sensitive Infrared LED lights for night vision, stainless steel fittings and adjustable sunvisor.



91CMDC320 (2nd GEN) - The Command Heavy Duty 120 Adjustable Side Mount Camera uses a high quality, high resolution 700TVL SHARP CCD image processors to create a clear image. Due to the wide range of viewing angle adjustability this camera is suitable for many applications including side, internal, under body and roof mount.

This camera has a IP rating of IP68, is equipped with 12 light sensitive Infrared LED lights for night vision, stainless steel fittings.

SUITABLE ACCESSORIES

To back up the products from the Command Parking Systems range we also offer a selection of Heavy Duty accessories to create a complete solution for ever application.



91CMDCEC5
5m heavy duty 4 pin extension cable.



91CMDCEC10
10m heavy duty 4 pin extension cable.



91CMDCEC20
20m heavy duty 4 pin extension cable.



91ADKIT
4 pin camera to RCA monitor adaptor.



91ADKIT2
RCA Camera to 4pin monitor adaptor.



91ADPLUG
Male to male RCA connector.



91ADPLUG2
Female to female RCA connector.

SUITABLE CAMERAS

Command Parking Systems offer a range of Heavy Duty Cameras suitable for direct connection to Command Heavy Duty Monitors.



91CMDC100 (Classic) - The Command Heavy Duty 180 License Plate Camera uses a high quality, high resolution 600TVL SHARP CCD image processor to create a clear image in low mount reversing or forward facing applications.

This camera has a IP rating of IP69K, is equipped with 4 light sensitive Infrared LED lights for night vision and is audio capable.



91CMDC200 (Classic) - The Command Heavy Duty 120 Box Camera uses a high quality 420TVL SHARP CCD image processor to create a clear image in high mount reversing as well as rearview applications.

This camera has a IP rating of IP67, is equipped with 18 light sensitive Infrared LED lights for night vision and a 20m extension cable.



91CMDC400 (Classic) - The Command Heavy Duty 120 Box Camera uses a high quality, high resolution 600TVL SHARP CCD image processor to create a clear image in high mount reversing as well as rearview applications.

This camera has a IP rating of IP69k, is equipped with 6 light sensitive Infrared LED lights for night vision, stainless steel fittings, stainless steel bracket and is audio capable.



91CMDC120 (2nd GEN) - The Command Heavy Duty 120 Butterfly Camera uses a high quality 420TVL CMOS image processor to create a clear image in high mount reversing, rearview, front or side mount applications as well as being small enough to be installed in standard vehicle applications.

This camera has a IP rating of IP68, is equipped with 10 light sensitive Infrared LED lights for night vision.



91CMDC220 (2nd GEN) - The Command Heavy Duty 120 Box Camera uses a high quality, high resolution 700TVL SHARP CCD image processor to create a clear image in high mount reversing as well as rearview applications.

This camera has a IP rating of IP69k, is equipped with 18 light sensitive Infrared LED lights for night vision, stainless steel fittings and adjustable sunvisor.



91CMDC230 (2nd GEN) - The Command Heavy Duty 120 Box Camera uses a high quality CMOS image processor to create a clear image in high mount reversing as well as rearview applications at an affordable price.

This camera has a IP rating of IP69k, is equipped with 18 light sensitive Infrared LED lights for night vision, stainless steel fittings and adjustable sunvisor.

IMPORTANT NOTES

Command Auto Group would like to thank you for your support in purchasing this product from the range of Command Parking Systems.

Our company prides itself on offering our customers a wide range of high quality products backed up by a high level of after sales service and technical support to create solutions for all applications.

To ensure long-term trouble-free service of our products, please read this manual carefully before attempting to install. For further technical support please visit our website at www.commandauto.com.au or call our technical support team on 02 8853 2900.

Notes:

1. Do not attempt to open product. Command Parking Systems are high precision products and require a Command technician to inspect so as not to void warranty.
2. Do not use organic solvents to clean this product as it can affect plastic and painted surfaces.
3. Do not force connections together when installing as this can damage cables preventing the system from working and voiding warranties.
4. Avoid using this product in direct sunlight, high temperatures, humid or dusty environments.
5. Ensure the product is mounted correctly to protect from shock damage caused by falling.
6. Product is to be connects as instructed. Connecting in other way other than what is stated in the instructions or modifying cables can cause electrical damage and void warranties.
7. Ensure this product is mounted in a way that does distract the driver or the drivers ability to operate the vehicle.
8. For safety reasons do not operate the monitor while driving.

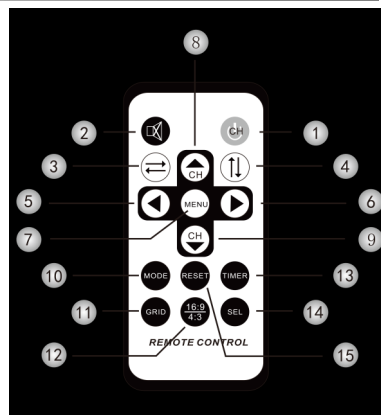
MONITOR

- 1 - Power
- 2 - AV Select
- 3 - Decrease/Down
- 4 - Menu
- 5 - Increase/Up
- 6 / 7 / 8 - (Not Used on 91CMDS5S/S7HD)



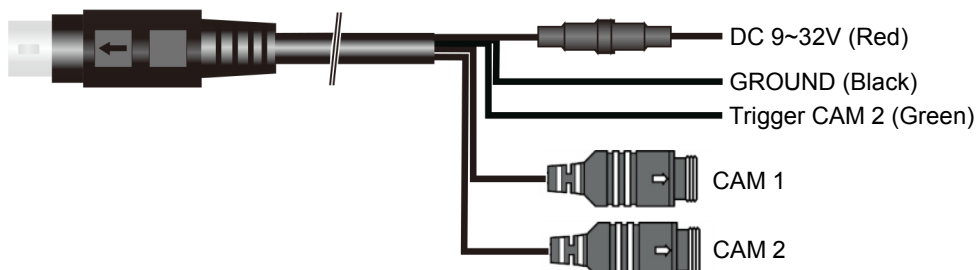
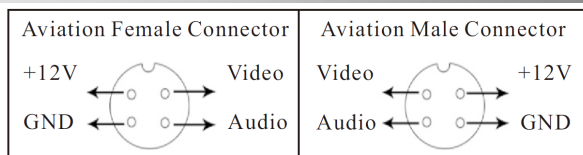
REMOTE CONTROL

- 1 - Power
- 2 - Mute
- 3 - Horizontal Image Flip*
- 4 - Vertical Image Flip*
- 5 - Volume Down/Left
- 6 - Volume Up/Right
- 7 - Menu
- 8 - Up
- 9 - Down
- 10 - Mode
- 11 - Guide Lines
- 12 - Aspect Ratio
- 13 - Timer (0~240min)
- 14 - AV Select
- 15 - Reset



*Image flip not available on 91CMDS5S monitor.

CONNECTIONS



SUITABLE MONITORS

Command Parking Systems offer a range of Heavy Duty monitors suitable for direct connection to 2nd Gen Heavy Duty cameras.



91CMDS5S (Classic) - The Command Heavy Duty 5" Classic Monitor screen is perfect for customers wanting a high quality, high resolution and simple solution for their heavy duty application.

3 video inputs are included, audio capable on AV2, so it can be operated by the reverse lamp, side indicator, brake lamp, bus door and more to automatically display the required image without the need to press a button. Multi-volt - 12V-24V.



91CMDS7S - Command have developed the Heavy Duty 7" Touch Screen monitor to be our top of the range monitor by including many additional features.

4 video inputs are included, all audio capable, so it can be operated by the reverse lamp, side indicator, brake lamp, bus door and more to automatically display the required image without the need to press a button. Multi-volt - 12V-32V. This screen also offers touch screen operation, split screen and picture-in-picture option.



91CMDS5S (2nd Gen) - The Command 2nd Gen Heavy Duty 5" Monitor has been upgraded to offer a small and sleek heavy duty system for those who have limited space in modern vehicles.

2 video inputs, both audio capable, are included with a single video trigger wire to automatically display the required image without the need to press a button. Multi-volt - 12V-32V.



91CMDS7HD (2nd Gen) - The Command 2nd Gen Heavy Duty 7" Monitor has been designed to offer those who want a larger screen for modern vehicles and only 2 cameras with single image display.

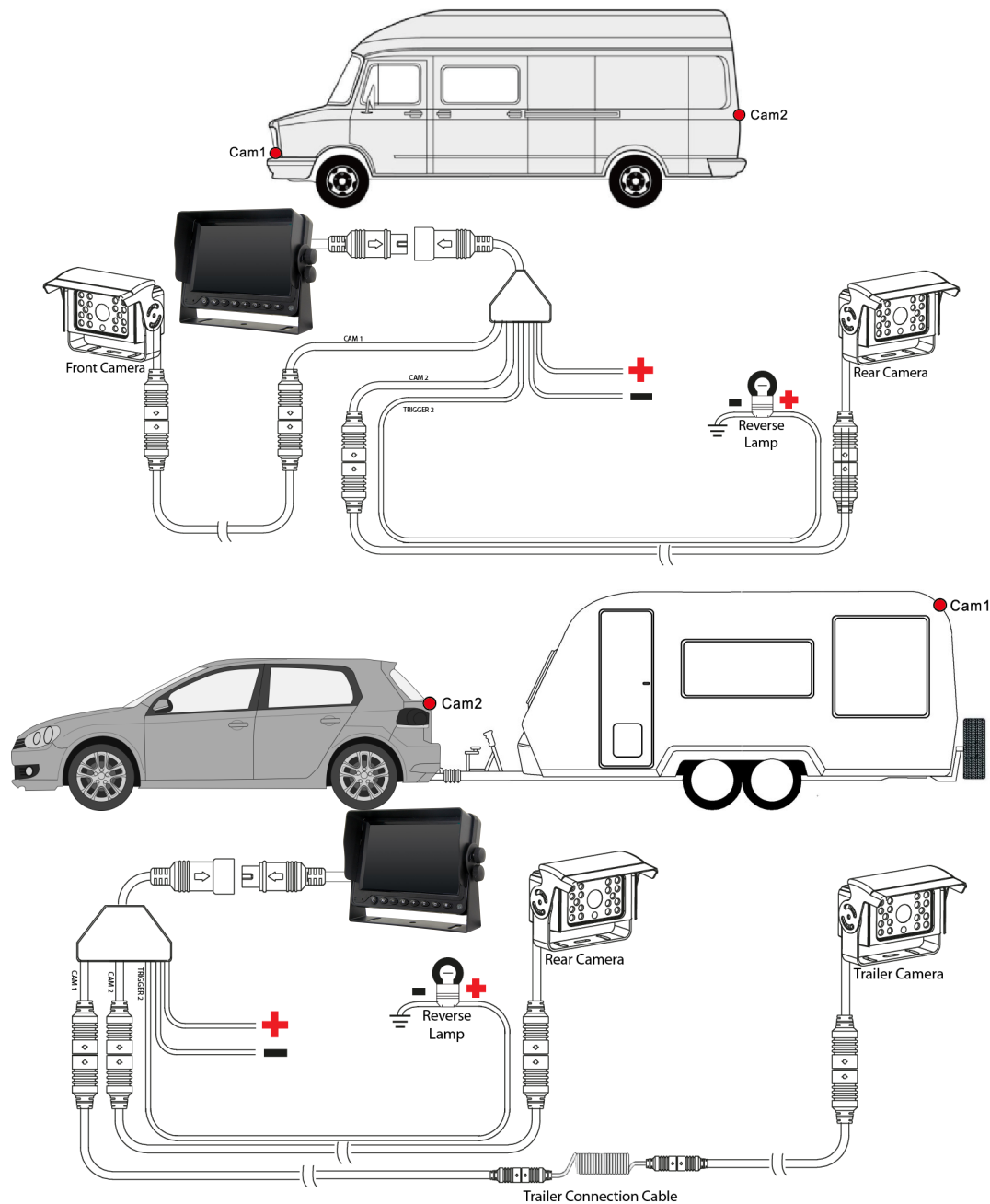
2 video inputs, both audio capable, are included with a single video trigger wire to automatically display the required image without the need to press a button. Multi-volt - 12V-32V.



91CMDS7HDQ (2nd Gen) - The Command 2nd Gen Heavy Duty 7" Quad View Monitor has been designed for a range of applications where multiple cameras are required and more than one image needs to be seen at any given time.

4 video inputs, all audio capable, are included with a video trigger wires for each input to automatically display the required image without the need to press a button. Multi-volt - 12V-32V.

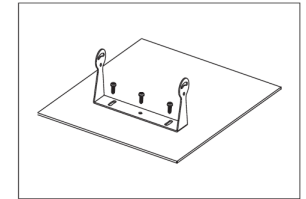
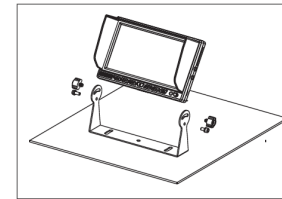
APPLICATIONS



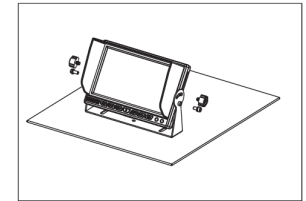
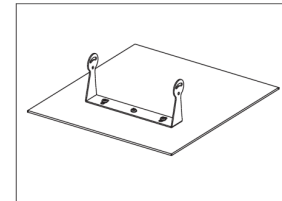
MONITOR INSTALLATION

Determine where to mount the monitor, ensuring it can be clearly seen from the driver's seat and does not obstruct other instruments or controls. Also consider where you can conceal the monitor wiring lead which has two 4 pin video signal input plugs, a Red power wire, Black earth wire and single trigger wires to automatically activate the monitor.

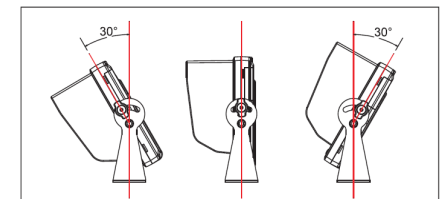
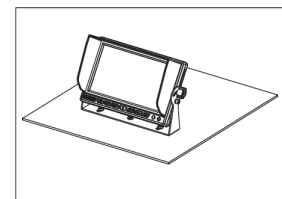
Thoroughly clean any surface protectant, remove the monitor bracket from the monitor and fit to the selected position using three screws. *(Note: Ensure there is no wiring behind the panel you intend to mount the monitor on before screwing)*



Once the monitor bracket is secure in the selected position you can reattach the monitor using the bracket screws. At this point you can consider whether the sunvisor will be required and attach.



With the monitor reattached to the bracket the mounting process is complete. The monitor angle can be adjusted 30° forward or 30° backwards by loosening the top "Bracket Knob". This can be done now or by the driver at any point.



CONNECTING MONITOR HARNESS

The monitor harness that connects to the screen includes two 4 pin video signal input plugs, a Red power wire, Black earth wire and a single trigger wire to automatically activate the monitor.

Connect the Monitor harness to the black plug coming for the screen and neatly conceal the wiring behind trim or dash area.

You can now connect power to the monitor by connecting the Red wire to 12 ~32V ignition and the black wire to earth.

CONNECTING CAMERAS

Camera connection has been made easy by using three heavy duty commercial style 4 pin connectors. If the camera or device you are fitting does not have a 4 pin connector an adaptor kit can purchased to convert this to an RCA style connection. (part no. 91ADKIT2)

Reversing cameras should always be connected into the "Camera 2/AV2" input. Plug this camera into the Monitor harness ensuring screw connector has a nice firm fitment. If you are wanting the screen to automatically activate when the reverse gear is selected you will be required to connect the GREEN Camera 2 trigger wire from the monitor harness to the active reverse lamp wire.

The trigger wire can be connected to any switched 9~32v active power source to activate screen. These sources can be different for every application but will commonly be reverse lamp active, indicator lamp active, stereo trigger active etc.

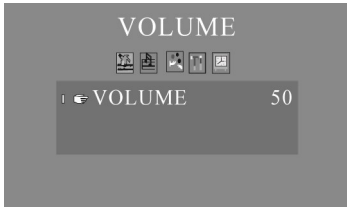
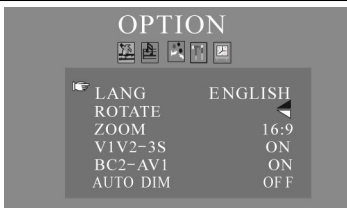
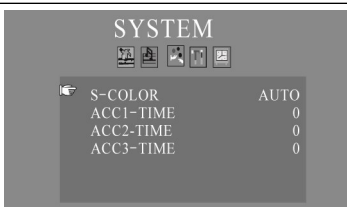
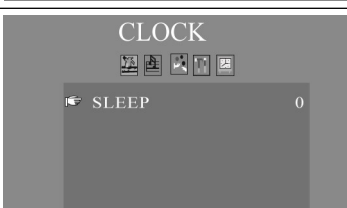
These instructions are provided for Auto-Initiate Reversing Camera installation. If you wish to use for any other purpose please go to www.commandauto.com.au for additional fitment information.

MENU OPERATION

To access menu functions press the "**MENU**" button and the menu will appear on the screen.

Press the "+ or -" buttons to change the menu screen between Picture, Volume, Option, System or Clock.

Once the correct menu screen is selected press "**MENU**" button to move down in the menu options and "+ or -" buttons to change the values.

	Brightness Adjustment: 0 ~ 100 Contrast Adjustment: 0 ~ 100 Colour Adjustment: 0 ~ 100 Reset: Reset to screen to default
	Volume Adjustment: 0 ~ 100
	Language Selection: Optional Image Rotation: 4 options for image rotation* Zoom: 16:9 / 4:3 V1V2 3 sec auto scroll On or Off BC2-AV1 auto on trigger On or Off Automatic Brightness Control On or Off
	S-Colour PAL/NSTC/Auto ACC1 - TRIGGER TIME DELAY NOT AVAILABLE ACC2 - TRIGGER TIME DELAY 0~15 Sec ACC3 - TRIGGER TIME DELAY NOT AVAILABLE
	Screen Sleep 0~240 min