



7" HIGH RESOLUTION WIRELESS SYSTEM
HD74WK



12/24V SYSTEM



QUAD VIEW



CAMERA



CAMERA AUDIO

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WARNING!

Electric shock or product malfunction may occur if this product is installed incorrectly. Use this product within the voltage range specified. Failure to do so can cause electronic shock or product malfunction.

Take special care when cleaning the monitor so as not to scratch or cause permanent damage.

Make sure the product is securely mounted before use.

If smoke or burning smell is detected, disconnect the system immediately.

Be sure to use insulation tape on any wires not used to avoid a short circuit or a fire.

Be careful with the positioning of the wiring to avoid damage that can cause a short circuit or a fire.

Do not install the monitor where it may obstruct the driver's view or obstruct an air bag.

Before drilling, please check that no cable or wiring is on the other side of the wall.

Secure all wires to avoid the possibility of them being damaged while the vehicle is in use.

Keep all cables away from hot/moving parts and hi-frequency RF cables.

Only professional repairers should open the monitor's case.

We recommend doing a bench test before installation to ensure that all components are working properly.

INSTALLATION

Step 1: Choose the monitor and camera locations.

Step 2: Choose the best and safest route for the wiring. Avoid areas where heat, friction or vibrations may cause damage.

Step 3: Install all cables in vehicle so that they are secure and will not move or dislodge.

Step 4: Connect the camera's power cables as below:

Red wire to the taillight's positive. (12v or 24v only)

Black wire to the chassis as ground.

Step 5: Connect the monitor's power cables as below:

Red wire to the vehicle's ignition power (12V or 24V only)

Black wire to the chassis or vehicle ground wire.

Yellow wire trigger for CAM1

Blue wire trigger for CAM2

Orange wire trigger for CAM3

Green wire trigger for CAM4

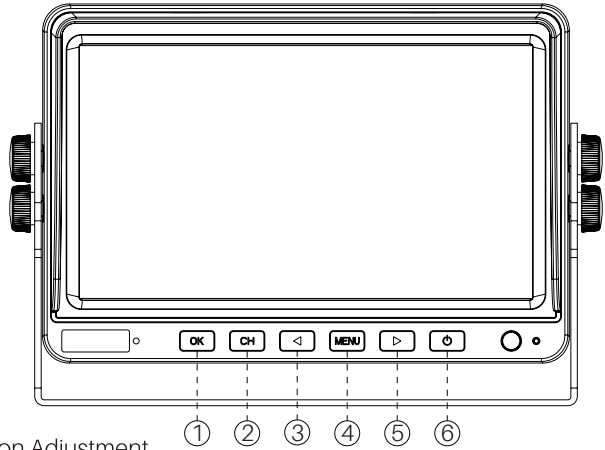
Step 6: Once all cables and wiring have been properly routed and the monitor and camera have been wired; perform a system function test by temporarily connecting the system.

Step 7: Once the system has been tested, fix the mounting brackets in place and then mount the monitor and camera onto the brackets.

Note:

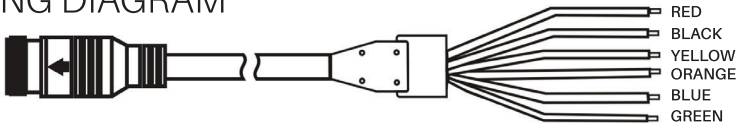
Occasionally, a few highlights or dark spots may appear on the LCD screen. This does not necessarily indicate any monitor defects. If any problems occur, immediately turn the display off and notify our company or an authorized dealer. Never try to repair this device yourself. Any disassembly or modification may lead to damage and will also void the warranty.

MONITOR OPERATION



1. Menu Function Select.
2. Camer Input Select.
3. Volume Down / Menu Function Adjustment.
4. MENU.
- 5 Volume Up / Menu Function Adjustment.
6. Power On / Off.

WIRING DIAGRAM

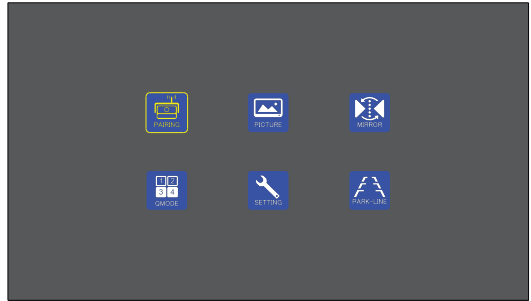


Colour	Label	Description
Red	10 - 32V	Positive voltage supply for monitor, connect to ACC+.
Black	GND	Negative voltage supply for monitor, connect to ground.
Yellow	TRIGGER 1	Automatically switches to camera 1 when a positive voltage is applied, connect to reverse lamp, indicator lamp, etc. (optional)
Orange	TRIGGER 2	Automatically switches to camera 2 when a positive voltage is applied, connect to reverse lamp, indicator lamp, etc. (optional)
Blue	TRIGGER 3	Automatically switches to camera 3 when a positive voltage is applied, connect to reverse lamp, indicator lamp, etc. (optional)
Green	TRIGGER 4	Automatically switches to camera 4 when a positive voltage is applied, connect to reverse lamp, indicator lamp, etc. (optional)

NOTE: Do NOT connect the trigger wires to ACC or battery positive.

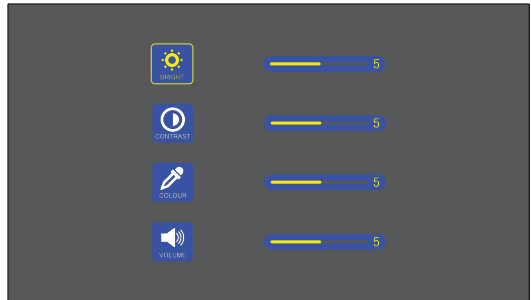
MONITOR OPERATION

To open the main settings menu, press MENU, press the up or down buttons to navigate through the options and press the SEL button to select the setting.



PAIRING

Press CH button repeatedly until the channel that you want to pair the camera to is displayed. Press MENU button and then with the "PAIRING" icon highlighted, press OK button to start the 20 second countdown. Connect power the camera during this 20 second countdown and the camera will pair to the selected channel.



PICTURE

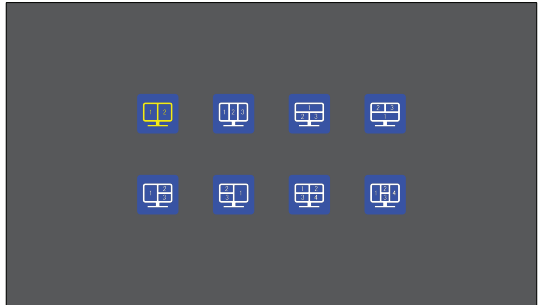
Press MENU button, navigate to the "PICTURE" icon and press OK button to enter the display adjustment settings. Press the left, right and OK buttons to adjust the screen brightness, contrast, colour and volume. Press Menu button to exit the display adjustment settings.



MIR-FLIP

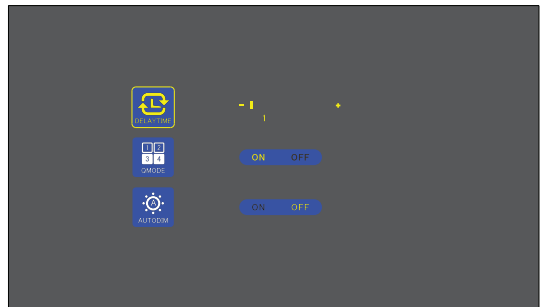
Press CH button repeatedly until the camera that you want to adjust is displayed. Press right button navigate to the "MIRROR" icon and press OK button to enter the camera orientation setting. Press the left and right buttons to adjust the camera image between normal image (forward facing, right-side up), mirror image (rear-facing, right-side up), mirror-flip image (rear-facing, upside-down), and flip image (forward-facing, upside-down). Press MENU button to exit the camera orientation settings.

MONITOR OPERATION



QMODE

Press MENU button, navigate to the “QMODE” icon and press OK button to enter the split-screen settings. There are 8 different split-screen display modes. Press the left, right and OK buttons to select the desired split-screen mode. Press MENU button to exit the split-screen settings. Press CH button repeatedly until split-screen mode is displayed.



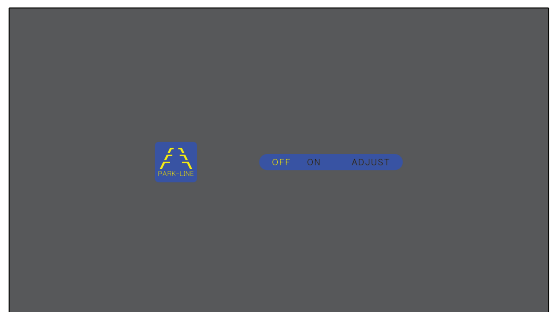
CAM-SETUP

Press MENU button, navigate to the “SETTING” icon and press OK button to enter the setting settings.

DELAYTIME: Image display latency time configuration. (Use for Trigger connection to a Turn Signal Blinker)

QMODE: Split-screen or Quad-screen Mode selection.

AUTODIM: Automatic brightness adjustment of display screen On/Off.



PARK-LINE

Press MENU button, navigate to the “PARK-LINE” icon and press OK button to enter the parkline settings. Press the left, right and OK buttons to navigate and adjust these setting. Press MENU button to return to the main menu.

SPECIFICATIONS

MONITOR

-Video decoding:	NTSC and PAL
-Cameras Supported:	Up to 4 cameras
-Resolution:	1024 x 600
-Contrast:	800
-Brightness:	500cd/m2
-Viewing Angle	85° (Left/Right/Up/Down
-Multiple viewing options:	Single/Split Screen/Quad
-Reversing guidelines:	Selectable On/Off
-Operating frequency:	2.412 ~ 2.4835 GHz
-Time delay:	180ms max
-Operating Voltage:	10-32V DC
-Current consumption:	<300mA at 12V
-Operating temperature:	-20°C ~+70°C
-Storage temperature:	-30°C ~+80°C

Dimensions

(Excluding Mount & Sunvisor):	W 179mm x H 122mm x D 28mm
(Including Mount & Sunvisor):	W 197mm x H 137mm x D 63mm

CAMERA

- Image Sensor:	1/2.9 inch Starlight HD
- Active pixel array:	1920 x 1080
- Viewing Angle:	120° Diagonal, 103° Horizontal
- Resolution:	1000 TV lines
- IP Rating:	IP69K
- Minimum Illumination:	0.1 lux
- Operating Frequency:	2.412~2.4835GHz
- Transmitter power:	20dbm
- Operating voltage:	10-32V DC
- Current Consumption:	<400mA at 12V
- Operating Temperature:	-20°C~+70°C
- Storage Temperature:	-30°C~+80°C

Dimensions

-(Excluding Mount):	W 79mm x H 49mm x D 54mm
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INCLUDES

Monitor
Camera
Sunshade
U-Bracket
Wiring Harness
CAMERA DC Power Cable
Antennas

TROUBLESHOOTING

Buttons not functioning.	Check that any triggers are not activated. Power applied to a trigger wire will override menu function.
No Signal or Camera not pairing.	Check that antennas are fitted and placement of monitor or camera does not have too much distance or metal obstruction in between.
Only able to pair one Camera.	Check that a different camera number is selected on the monitor screen before entering "pairing mode".
Unable to see night-time image.	Check that camera placement is not in line with any rear view lights which may switch camera to "day-time" view.

WARRANTY

Congratulations on your purchase of a quality Mobile Safety System! You're joining thousands of satisfied customers who enjoy & experience the benefits of the products we distribute. In the unlikely event that some technical difficulty arises with your purchase, be assured that we are most anxious to see that the problem is quickly rectified to your satisfaction. Please familiarise yourself with the following simple conditions of our warranty. This warranty covers faults through component failure or failure of the product to operate in accordance with published specifications. Product failure as a result of unreasonable environmental conditions, accident, misuse, improper installation, unauthorised repair, vehicle electrical or wiring faults or neglect etc, will not be covered by this warranty. Removal and installation costs, if any, would be paid by the owner as well as any freight or postage costs of transporting the product to AUTOBACS AUSTRALIA PTY LTD and shall not be liable or responsible for any loss of use of this product or any form of consequential loss.

CONSUMER WARRANTY

This product is warranted by AUTOBACS AUSTRALIA PTY LTD to be free from defects in materials and workmanship under **NORMAL USE** for a period of **THIRTY SIX MONTHS** from the date of purchase.

WITHIN 30 DAYS OF PURCHASE DATE:

Please return the unit for replacement to our National Service Centre or the Retailer from where you made the purchase. All accessories must be included. Proof of purchase date **must** accompany the products.

AFTER 30 DAYS OF PURCHASE DATE:

Warranty repair and service is carried out by our National Service Centre. Repair and service will be carried out at no cost to the owner if proof of ownership and the date of purchase can be verified to the satisfaction of the authorised centre concerned with this repair. This proof should take the form of either:

- a) The warranty card accompanying this product, stamped and dated by the dealer.
- b) A Tax Invoice or Receipt showing full details of original vendor, purchaser, model number and serial number.

COMMERCIAL WARRANTY

A product used in or associated with a commercial application will carry a limited TWELVE MONTHS warranty. An abnormal commercial application is one where usage, dust, vibration, heat/cold and other environmental conditions exist at an extreme level.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Purchaser's Name: _____

Purchaser's Address: _____

Model Number: _____ **Serial Number:** _____

Dealer Name: _____ **Date of Purchase:** / /

Dealer Address: _____

Invoice/Sales Docket no: _____

General Hints: To expedite service and prompt return of the equipment, please:

- a) Clearly describe the fault in detail
- b) Safely and securely pack the unit for transport
- c) Include your return address
- d) Provide proof of purchase date as outlined above

National Service Contacts:
AUTOBACS AUSTRALIA PTY LTD
Telephone: 1300 288 029
email: services@autobacs.com.au

