



SMARTRUCK
smart...for a reason **HD**

M273FP

7" Digital Display Monitor

Installation & Operation

USER MANUAL



- ⚠ **Important - Please read this manual before installing**
- ⚠ **Objects viewed in monitor are closer than they appear.**

The M273FP Monitor is not intended to replace any of your vehicles mirrors or other safety devices. It is not a substitute for proper defensive driving techniques. Please obey all traffic laws and motor vehicle safety regulations.

Do Not Open Monitor Housing. There are no parts that can be serviced.

Opening Monitor Housing Will Void Your Warranty

Red Power Wire must be connected to accessory that is turned off when key is removed from vehicle to prevent power draw.

FEATURES

- Easy Heat Emit Designed Monitor
- Button Lock Support
- Support 4 Cameras Input (W/ A/V Input)
- Support Split Screen Mode
- Adjustable On Screen Distance Marker
- Support Dimmer Feature For Night Viewing
- Normal/Mirror Mode Support
- Support AUX A/V Input & Output
- Support Trigger Function
- LED Back Light Support
- 10 ~ 32V DC Free Voltage Operation

MONITOR SPECIFICATIONS

TV System	NTSC / PAL
LCD Panel	7" TFT Digital Monitor With OSD Function
Field of View	Top: 40°, Bottom: 60°, Left: 60°, Right: 60°
Resolution	800 x 3 (RGB) x 480
Dimensions	188(W) x 136.9(H) x 30 (D) mm
Weight	460g (1 lbs)
Contrast Rating	500:1

MONITOR CONTROLS



1. POWER

- Any key can make the Power ON, Power button can make Power OFF

2. MENU

- Menu button goes into the OSD menu
- Button Lock: Press "Menu" button for 5 seconds

3. CA

- Press the scan button, it shows the CA1 -> CA2 -> CA3
- Direction Key in OSD mode for UP

4. AV

- Connect A/V output to the second monitor or an external device with RCA type input
- Direction Key in OSD mode for DOWN


5. VOLUME CONTROL



- Press the ► button for volume up and the ◀ button for volume down

6. DIMMER



- Automatically Dimmer Control through the CDS Sensor


MONITOR MENU



1. Select  menu button for enter or exit the monitor menu



2. Press  for 5 seconds will lock all buttons. To unlock buttons, press  for 5 seconds

A. OPERATE

- From menu to menu:  Previous Menu,  Following Menu

- Sub menu selection:  Enter the sub menu from the menu

- From sub menu to sub menu:  Up,  Down

- Sub menu selection:  or 

MENU TREE

PICTURE		DESCRIPTION
CONTRAST	25	0 ~ 50
BRIGHTNESS	25	0 ~ 50
COLOR	25	0 ~ 50
TINT	25	0 ~ 50

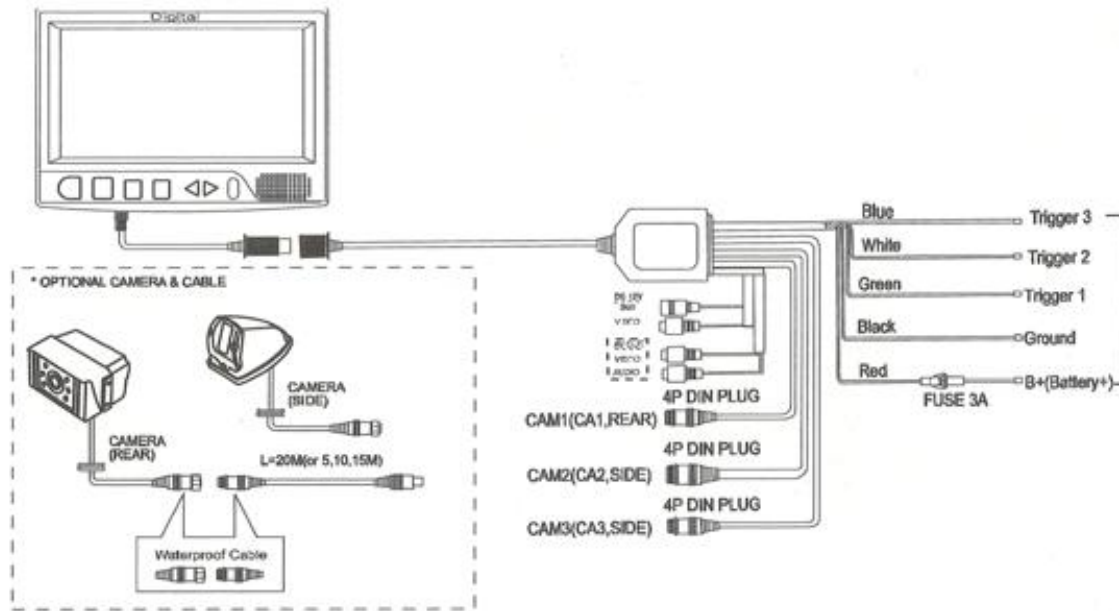
FUNCTION		DESCRIPTION
AUTO SCAN	ON	ON / OFF
REARSCALE	ON	ON / OFF
AUTOPOWER	ON	ON / OFF
DAY / NIGHT	AUTO	HIGH / LOW

VIDEO	
CAM1	NO / MIRR
CAM2	NO / MIRR
CAM3	NO / MIRR
VIDEO	NO / MIRR
ALL	NO / MIRR

REAR SCALE ADJ	

STOP	REAR

MONITOR CONNECTION



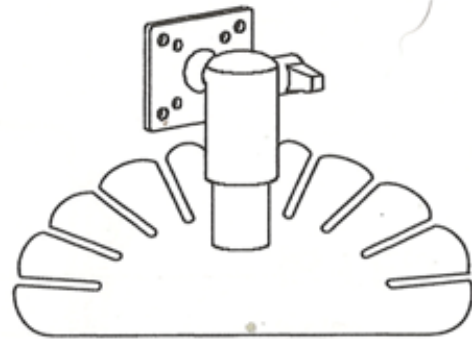
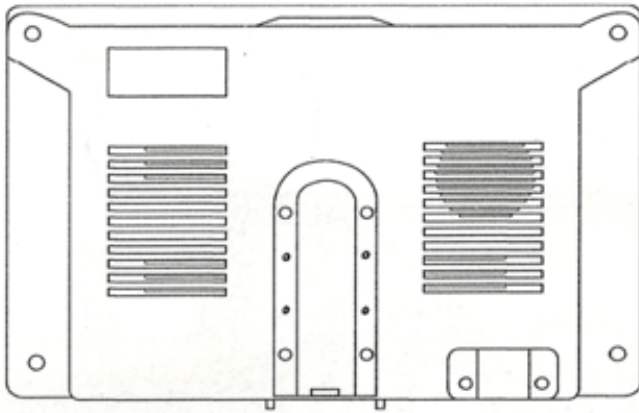
Pin No.	Description
1	Video
2	Audio
3	DC 12V Power
4	Ground
5	Heater B+ (NC)

- Connect the red wire to the (DC 10 ~ 32V) positive + power terminal which is energized with the ignition key in the accessory position
- Connect the black wire to the metal surface on the car or place on a negative battery
- Connect the green wire to the switched positive + power output terminal of the "R" gear (CAM1)
- Connect the white wire to the switched positive + power output terminal of CAM2
- Connect the blue wire to the switched positive + power output terminal of CAM3

Cable Color	Description
Red	Positive Power (DC 10V ~ 32V)
Black	Ground
Green	"R" Gear Power (DC 10V ~ 32V)
White	Trigger Power (DC 10V ~ 32V)
Blue	Trigger Power (DC 10V ~ 32V)

- ⚠ Before making the connection, disconnect the ground terminal of the car battery to avoid short circuiting
- ⚠ The plugs should be fully inserted into the connectors or jacks. A loose connection may cause malfunction.

MONITOR INSTALLATION



- Before installing the monitor, clean it with alcohol
- Slide fix knob into the slide lane of the monitor
- Adjust the angle and direction for proper viewing on the monitor
- Connect the wires accordingly

OPERATING INSTRUCTIONS


- When the user turns the ignition key to the Accessory or ON position, the power supply will go to the monitor and the monitor will be in display mode.
- In case the monitor is turned off, when you set the gear lever to the Reverse position, the monitor will turn on and the picture will display from the CA1

CLEANING AND GENERAL MAINTENANCE

- Cool off the inside of vehicle when the temperature is high from long term direct sunlight
- Clean the unit with a slightly damp soft cloth. Use mild household detergent.
- Never use strong solvents such as thinner or benzene as they may cause damage to the unit
- Do not attempt to service this system, it may expose to dangerous voltage or other hazards
- Refer all servicing to qualified service personnel

[FCC COMPLIANCE STATEMENT]

- This equipment has been tested and found to comply with limits for a Class A digital device, pursuant to part 15 of the FCC rules.
- These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
- This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manual, may cause harmful interference to radio communications
- Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

 Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user authority to operate the equipment