
User Manual



eMirror



Contents

	Page
1. System	3
1.1 System ON/OFF signal	3
1.2. Ambient light sensor	3
2. System Failure	3
2.1. Visual Alert	3
2.2. Sound Alert	4
2.3 Possible Failure System	4
3. Maintenance	5
Camera Unit	5
Monitor 12,3 " and 7"	5
4. Change log	6

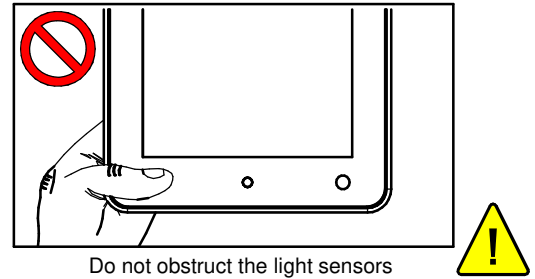
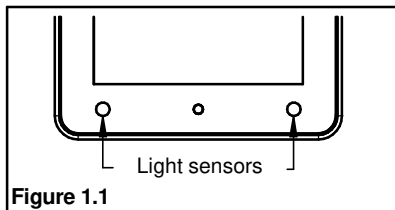
1. System

1.1. System ON/OFF signal

The eMirror system will display the image in less than 7 seconds once the System ON/OFF signal goes from 0V to 12V/24V. The eMirror system will stop displaying the image after a few minutes depending on the vehicle configuration.

1.2. Ambient light sensor

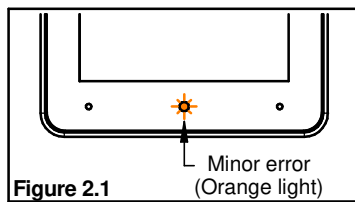
The system detects ambient light using light sensors in order to automatically adjust the backlighting of the display, providing a comfortable view for the driver. Position of the sensors (see figure 1.1).



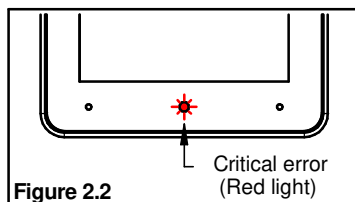
2. System Failure

2.1. Visual Alert

In the event of a system malfunction, the LED at the bottom centre of the monitor will flash. Depending on the severity of the error, the warning light will be as shown in figures 2.1 and 2.2 below:

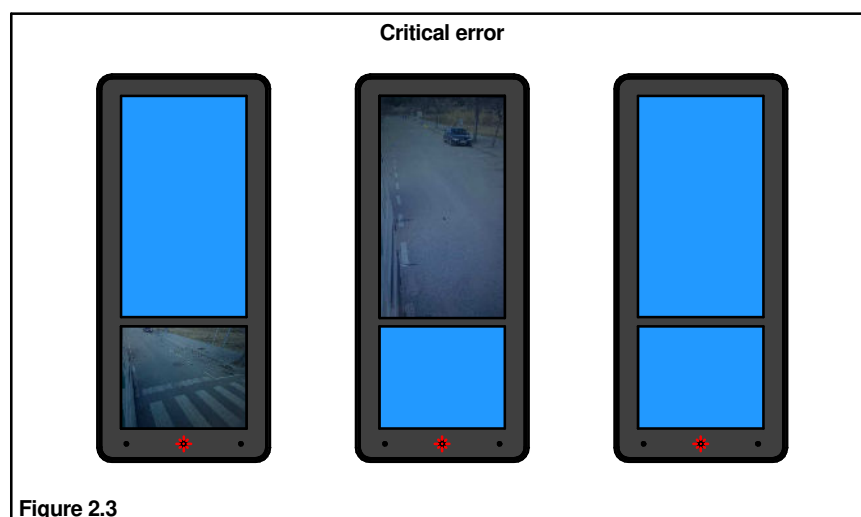


If a minor error occurs, the driver should stop the vehicle, reset the system and if the error does not disappear, contact the technical support service.



If a critical error occurs, the driver must stop the vehicle and contact the system technical support service to resolve it. Driving must not be resumed until the error has been corrected.

In the event that the cameras do not meet the regulation's requirements due to a malfunction, a blue image will be displayed in the corresponding category (see figure 2.3).



2.2. Sound Alert

At the same time that a light signal appears, the system will audibly indicate the existence of an anomaly in the system that must be attended to by the driver and corrected by the technical support service (see figure 2.3).

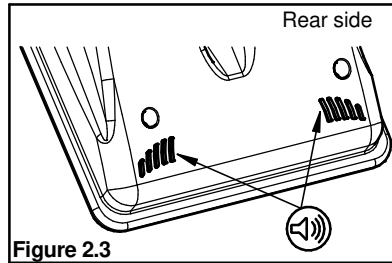




Figure 2.3

2.3. Possible Failure System

Failure	Error Indication	Action
PowerLoss	Black screen	The driver should stop the vehicle, reset the system and if the error does not disappear, contact the technical support service.
No power		
Internal error	LED visual alert (Orange light)	The driver must stop the vehicle and contact the system technical support service to resolve it. Driving must not be resumed until the error has been corrected.
Display error	Black screen LED visual alert (Red light)	
Display backLight error	Sound alert	
BackLight sensor error (one sensor)	Warning visual alert (Orange light)	
BackLight sensor error (both sensor)	LED visual alert (Red light) 100% Backlight	
No camera connection at monitor	Blue screen at class II LED visual alert (Red light) Sound alert	
Camera power failure		
Camera communication link failure		
No camera connection at monitor	Blue screen at class IV LED visual alert (Red light) Sound alert	
Camera power failure		
Camera communication link failure		
No camera connection at monitor	Blue screen at class V LED visual alert (Red light) Sound alert	
Camera power failure		
Camera communication link failure		
Camera lens is defocused for the designed working distance. No lens in place Objects out of the designed working distance. Reduced detail resolution.	Blue Screen with below icon at display. Led Alert 	
ECU failure frozen frame buffer. ECU failure slow frame buffers refresh frequency.	Blue Screen with below icon at display. Led Alert 	

3. Maintenance

3.1. Camera Unit

Use water and neutral soap to wash the camera.
Do not clean with aggressive or abrasive cleaning agents.



3.2. Monitor 12,3 " and 7"

Turn off the device prior cleaning.
Use a damp cloth or non-abrasive wipe to avoid scratching the screen.
Do not allow liquids to enter the unit.
Avoid non-diluted bleach or ammonia solutions as these may cause discoloration.



4. Change log

V 04/2024:

- Document update with eMirror version 1.2.