

QUICK REFERENCE GUIDE

Important Safety Information

BEFORE USING THE MOBILEYE® SYSTEM, CAREFULLY READ THE MOBILEYE C2-170 USER MANUAL AND THE IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS IT CONTAINS.

WARNING! MOBILEYE C2-170 IS NOT A SUBSTITUTE FOR SAFE AND ALERT DRIVING

To avoid unwanted behavior, do not press any Mobileye C2-170 buttons before you understand their functionality.

TURNING ON THE MOBILEYE C2-170

Mobileye C2-170 is activated automatically when you start your car.

MOBILEYE C2-170 IS READY TO GO

Following system initialization, the Mobileye C2-170 **EyeWatch1** Display Unit shows this screen. The system will now start tracking your driving and warning you about potential dangers.



ALERT TYPES

Mobileye C2-170 is a driving assistance system that supplies three types of alerts:

Forward Collision Warning (FCW)

Warns you about an imminent collision with a vehicle ahead of you.

Lane Departure Warning (LDW)

Warns you that you are about to unintentionally swerve from your lane.

Headway Monitoring and Warning (HMW)

Assists in maintaining a safe driving distance ("headway") from the vehicle ahead of you.

Forward Collision Warning (FCW)



WHAT IS FCW?	FCW alerts you – up to 2.7 seconds before possible collision with a vehicle ahead of you.
WHEN IS FCW OPERATIONAL?	FCW is always operational when the system is turned on.
FCW AUDIO ALERT	You hear a series of loud, high-pitched sounds.
FCW VISUAL ALERT	A red, flashing car icon is shown on the EyeWatch1 Display.

IMPORTANT NOTE: Forward Collision Warning cannot be disabled or muted. However, if the system is turned off, NO WARNINGS will be issued, including FCW.

Lane Departure Warning (LDW)

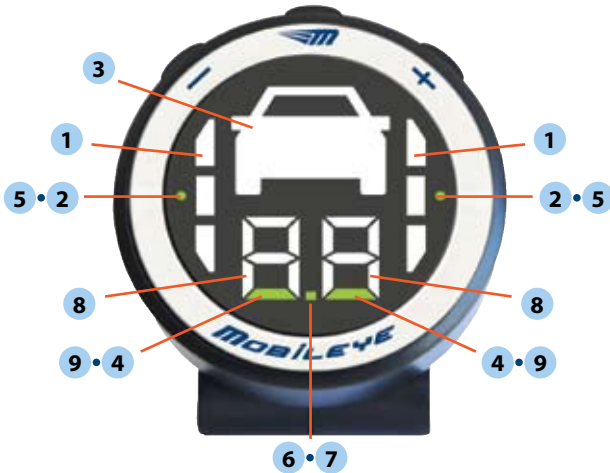
WHAT IS LDW?	LDW alerts you when you begin to depart from your lane unintentionally. If you signal when moving between lanes, an alert is not generated.
WHEN IS LDW FUNCTIONAL?	The LDW is active at speeds above 55 km/h (34 mph).
LDW AUDIO ALERT	You hear a series of sharp warning beeps for a duration of 0.7 seconds
LDW VISUAL ALERT	The right or left Deviation Alert indicator flashes on the EyeWatch1 Display.
LDW WILL NOT ISSUE ALERTS WHEN:	<ul style="list-style-type: none"> • Lanes are poorly marked or unmarked • You are driving at a speed below 55 km/h (34 mph) • You signal before changing lanes. • The LDW has been disabled. Sensitivity level was set to zero (LDW OFF). • You make a sharp turn (such as when exiting at a highway interchange). • The system has been muted.

Headway Monitoring and Warning (HMW)

WHAT IS HMW?	HMW displays your headway relevant to the vehicle in front of you. If you get closer than a pre-defined value, it alerts you to the danger.
HMW AUDIO ALERT	You hear a single chime when headway is defined unsafe.
HMW VISUAL ALERT	Notice The green car icon is displayed from the moment a car is detected, and as long as the headway is above 0.6 seconds.
	WARNING! The car icon changes to red when the headway is less than 0.6 seconds. This is dangerous tailgating, and the distance between the two cars is perilous.
WHEN IS HMW FUNCTIONAL?	You will see the visual alert whenever a car traveling in front of you is detected. The numerical headway display and the audio alert are operational only at speeds greater than 30 km/h (19 mph).
THE DISTANCE METER	You will see – in seconds – the headway to the vehicle in front of you (distance is measured in “Headway seconds”).
VISUAL ALERTS	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Notice</p> </div> <div style="text-align: center;">  <p>WARNING!</p> </div> </div>

HMW WILL NOT ISSUE AUDIO WARNINGS WHEN: The system has been muted.

Display Unit




1 LEFT/RIGHT DEVIATION ALERT	When a Lane Departure Warning is sounded, the Left or Right Deviation Alert indicator will flash for 1 second
2 LDW OFF INDICATION	The 2 green dots on the left and right sides of the EyeWatch1 Display will stay ON constantly, only when LDW sensitivity is set to "0" (Lane Departure Warnings are disabled).
3 HEADWAY VISUAL ALERT - (CAR ICON)	Displayed only when a car is detected ahead of you in the same lane Colored green or red according to headway alert severity.
4 HEADWAY DISTANCE METER	A two-digit number that displays the headway (in seconds) from the vehicle ahead. Only values of 2.5 Headway seconds or less are displayed.
5 LOW VISIBILITY INDICATION	<ul style="list-style-type: none"> The 2 green dots on the left and right sides of the EyeWatch1 Display flash constantly. Displayed during low visibility conditions (bad weather, direct sunlight, dirt on windshield, etc.) The Mobileye C2-170 continues to work but there may be degradation in detection ability. If low visibility persists, check for possible camera obstructions (dirt, humidity, etc.).
6 MUTE	Mute mode is indicated by a flashing green dot in the lower part of the EyeWatch1 Display.
7 SYSTEM ON	A green dot indicates that the Mobileye C2-170 is ON (operative).
8 ZERO SPEED INDICATION	When the ego speed of the vehicle is zero, the two bottom lines of the two digits are turned on (thus indicating zero speed)
9 SYSTEM ERROR INDICATION	The letters "Er" will flash and beside it the error code (number).

Control Panel




1 Mode Selection Turning the Mobileye C2-170 OFF/ON


Turning OFF: To turn OFF the Mobileye C2-170 press the () button until the **EyeWatch1** display turns off or long press on the (-) button on the camera.

Turning ON: To turn on the Mobileye C2-170, press on any button.

Changing the EyeWatch1 display brightness level:

(1) Press the () once. (2) Press the (-) (+) buttons to decrease or increase the brightness level. There are 5 available levels (1-5). The C2-170 automatically adjusts brightness levels for day and night.

Changing the Headway Warning Timing:

(1) Press the () twice. (2) Press (-) to decrease the headway warning timing, or press (+) to increase it.

Changing LDW Sensitivity: (1) Press the () 3 times. (2) Press the (-) to decrease the LDW sensitivity, or press (+) to increase it.

2 Volume Control (-) (+)

Press the (-) button (repeatedly) to decrease volume. Press the (+) button (repeatedly) to increase volume. There are 6 volume levels (0-5). Note: When the volume is set to zero the LDW and HM sounds are disabled, but FCW sound is set to level "3".

3 Mute

Option 1: Set volume level to "0", either from the **EyeWatch1** display or from the camera control button.

Option 2: To Mute press and hold the (-) button on the **EyeWatch1** for 1.5 seconds.

To Exit Mute press (+)

Mute mode is indicated by a flashing green dot in the lower part of the display unit.

Muting will disable the HW and LDW audio alerts. FCW cannot be muted

4 Virtual Bumper Sensitivity (VB)

To change the Virtual Bumper sensitivity press and hold the (+) button and then press on the (-) button for 1.5 sec. A red car icon will start flashing and the numerical display will show. Press the (-) to decrease the VB sensitivity, or press (+) to increase it. The VB sensitivity is limited between 0.5 meters and 2 meters. The numerical values represent Distance in Meters. This feature is available only when speed is "0".

SYSTEM LIMITATIONS

- Mobileye C2-170 is intended for paved roads, with clear lane markings.
- Mobileye C2-170 does not see better than the driver. It is the driver's responsibility to always be alert, and always depend on their own eyesight and full attention and awareness when driving the vehicle.
- Mobileye C2-170 detects fully visible rear ends of vehicles. Therefore the detection of crossing, oncoming, and passing vehicles, as well as motorcycles, bicycles, and pedestrians is not supported.
- Mobileye C2-170 does not guarantee 100% accuracy in the detection of vehicles or driving lanes, nor in providing warnings of all potential road hazards. In addition, road, weather and other conditions can adversely effect the Mobileye C2-170 system's recognition and response capabilities.
- Any conditions that form partial or full blockage of the camera's view will result in reduced or non-functionality of Mobileye C2-170. Always ensure the camera has a clear field of view.

© 2006-2009 Mobileye Technologies Limited. All rights reserved.

Reproduction in whole or in part without written permission is prohibited.

Mobileye, Mobileye C2, and the Mobileye logo are registered trademarks of Mobileye Technologies Ltd.

www.mobileye.com