

Mobileye C2-Series  
Mobileye C2-270  
Mobileye C2-200

# Quick Reference Guide



Our Vision. Your Safety.™



## **Thank you for choosing Mobileye.**

You have joined thousands of customers in the world, who have also chosen the Mobileye C2-270/C2-200 systems.

You are now helping to turn our environment into a safer one for drivers, passengers and pedestrians.

Mobileye's Quick Reference Guide will take you step by step through the functionalities of Mobileye C2-270/C2-200 in the best and most useful way.

For any further information, please contact us at [www.mobileye.com](http://www.mobileye.com)

**Thank you and have a safe drive!**



# Quick Reference Guide

## Important Safety Information

BEFORE USING MOBILEYE C2-270/C2-200, CAREFULLY READ THE FOLLOWING SAFETY INSTRUCTIONS AND WARNINGS THIS QUICK REFERENCE GUIDE CONTAINS. IT IS RECOMMENDED TO ALSO READ THE USER MANUAL FOUND AT WWW.MOBILEYE.COM FOR FURTHER INFORMATION.

**WARNINGS! MOBILEYE C2-270/C2-200 IS NOT A SUBSTITUTE FOR SAFE AND ALERT DRIVING.**

**DO NOT PERFORM ANY ACTIVITY ON MOBILEYE C2-270/C2-200 WHILE DRIVING!**

Do not press any Mobileye C2-270/C2-200 system buttons before you understand their functionality. By installing the Mobileye C2-270/C2-200 Advanced Driver Assistance System, you will be acknowledging and agreeing to operate Mobileye C2-270/C2-200 in accordance with the Safety Instructions and Warnings set forth below. If you do not agree to these terms, please return Mobileye C2-270/C2-200 to your dealer, in its original packing materials, within 30 days of purchase, for a full refund.

- Mobileye C2-270/C2-200 is an Advanced Driver Assistance System which is intended to alert drivers to certain potentially dangerous situations. It does not replace any functions drivers would ordinarily perform in driving a motor vehicle, nor does it decrease the need for drivers to stay vigilant and alert in all driving conditions, to conform to all safe driving standards and practices, and to obey all traffic rules and regulations.
- Mobileye C2-270/C2-200 is not an automated driving system and it does not act as a substitute for any aspect of driver vehicle control or safe driving practices. Drivers are strongly cautioned not to rely on Mobileye C2-270/C2-200 as a substitution, to even the slightest degree, for the exercise of due caution in assuring that they are driving safely and avoiding accidents.
- While Mobileye C2-270/C2-200 represents a state of the art innovation in machine vision software and other technologies, it cannot and does not guarantee 100% accuracy in the detection of vehicles, pedestrians or driving lanes, nor in providing warnings of all potential road hazards. In addition, road, weather and other conditions can adversely affect the Mobileye C2-270/C2-200 system's recognition and response capabilities.
- Accordingly, drivers should not rely on Mobileye C2-270/C2-200 to assure their driving safety, but rather should continue to rely on safe driving practices.
- Drivers should exercise caution in using the Mobileye C2-270 Display Unit. Always maintain full concentration on the road at all times including while looking at the Mobileye C2-270 display.

Every effort has been made to ensure the accuracy of all information in this Quick Reference Guide. However, Mobileye Technologies Limited makes no expressed or implied warranty or representation based on the enclosed information. Mobileye Technologies Limited reserves the rights to alter the equipment specifications and descriptions in this publication without prior notice. Any errors or omissions may be reported to Technical Support, Mobileye Technologies Limited.

Email: [support@mobileye.com](mailto:support@mobileye.com)

## Installation and Safety Instructions

- Mobileye C2-270/C2-200 installation must be carried out by an authorized Mobileye C2-270/C2-200 dealer or installer.
- Mobileye C2-270/C2-200 should not be transferred between vehicles, other than by an authorized Mobileye C2-270/C2-200 dealer or installer.
- Mobileye C2-270/C2-200 should only be operated with 12VDC~24VDC power.
- Do not cover or obstruct the Camera Unit or Mobileye C2-270 Display and Control Unit.
- Do not use Mobileye C2-270/C2-200 for any purpose other than described in this Quick Reference Guide.

# Turning on the Mobileye C2-270 System

Mobileye C2-270 is activated automatically when you start your car.

## Mobileye C2-270 is now ready to go

Following system initialization, the Mobileye C2-270 EyeWatch Display Unit shows this screen.

The system will now start accompanying your driving, and will warn you of potential dangers.

**IMPORTANT NOTE:** To prevent possible degradation in system accuracy, do not remove or tamper with the Camera Unit or the Windshield Mount. **CAUTION:** The Camera Unit can heat up during operation. Refrain from touching the Camera Unit during or immediately after operation.



## Alert Types

Mobileye C2-270 is an Advanced Driver Assistance System that supplies the following alerts:

- **Forward Collision Warning (FCW) (including motorcycle detection)**  
Warns of an imminent collision with the vehicle ahead of you.
- **Pedestrian Collision Warning (PCW) (including bicycle detection)**  
Warns of an imminent collision with a pedestrian ahead of you.
- **Lane Departure Warning (LDW)**  
Warns that you are about to unintentionally swerve from your lane.
- **Headway Monitoring and Warning (HMW)**  
Assists you in maintaining a safe driving distance (referred to as "headway", which is measured in seconds) from the vehicle ahead of you.
- **Intelligent High-Beam Control (IHC)**  
Controls a vehicle's driving lights by automatically switching them from low beam to high beam on dark roads without nearby traffic.

## Mobileye Forward Collision Warning (FCW)

### HOW DOES MOBILEYE FCW WORK?

Mobileye FCW alerts you up to 2.7 seconds before a possible collision with the vehicle ahead of you.

### WHEN IS MOBILEYE FCW OPERATIONAL?

Mobileye FCW is always operational when the system is turned on.

### MOBILEYE FCW AUDIO ALERT

A series of loud, high-pitched sounds.

### MOBILEYE FCW VISUAL ALERT

A red, flashing car icon shown on the EyeWatch Display.



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

## Mobileye Pedestrian Collision Warning (PCW)

### HOW DOES MOBILEYE PCW WORK?

Mobileye PCW alerts you to a possible collision with a pedestrian ahead of you.

### WHEN IS MOBILEYE PCW OPERATIONAL?

Daytime: Mobileye PCW is operational from a speed of 1 km/h (0.621 mph) to a speed of 50 km/h (31 mph).

Night-time: Not operational.

### MOBILEYE PCW AUDIO ALERT

A series of loud, high-pitched sounds.

### MOBILEYE PCW VISUAL ALERT

A red, flashing pedestrian icon shown on the EyeWatch Display.

A red pedestrian icon flashing with no audio alert indicates that there is a pedestrian in the vehicle's danger zone.



**NOTE:** This feature is available only in certain geographical areas.

## Mobileye Lane Departure Warning (LDW)

### HOW DOES MOBILEYE LDW WORK?

Mobileye LDW alerts you when you unintentionally begin to depart from your lane. If you signal when moving between lanes, an alert is not generated.

### WHEN IS MOBILEYE LDW FUNCTIONAL?

Mobileye LDW is active at speeds greater than 55 km/h (34 mph).

### MOBILEYE LDW AUDIO ALERT

A series of sharp warning beeps of short duration.

### MOBILEYE LDW VISUAL ALERT

The right or left deviation alert indicator flashes on the EyeWatch display.

### MOBILEYE LDW WILL NOT ISSUE ALERTS WHEN

- Lanes are unmarked or poorly marked.
- Driving speed is less than 55 km/h (34 mph).
- Turn Indicators (blinkers) are being used.
- Mobileye LDW has been disabled by setting the sensitivity level to "0" (LDW OFF).
- A sharp turn is made.
- The system has been muted.



## Mobileye Headway Monitoring and Warning (HMW)

### HOW DOES MOBILEYE HMW WORK?

Mobileye HMW displays your headway in relation to the vehicle in front of you. If you get closer than a set distance (calculated in seconds), it alerts you to the danger.

### MOBILEYE HMW AUDIO ALERT

A single chime when headway is equal to or lower than the predefined headway.

### MOBILEYE HMW VISUAL ALERT

**NOTICE:** The green car icon is displayed from the moment a vehicle is detected, and as long as the headway is greater than the set number of seconds.

**WARNING!** The car icon changes to red when the headway is less than 0.6 seconds or when the headway is equal to or lower than the set headway.

### WHEN IS MOBILEYE HMW FUNCTIONAL?

A car icon is shown whenever a vehicle is detected traveling in front of you. The numerical headway display and the audio alert are operational only at speeds greater than 30 km/h (19 mph).

## THE DISTANCE METER

The numerical display indicates the distance to the vehicle in front of you in seconds.  
**VISUAL ALERTS**



**Mobileye HMW will not issue audio warnings when the system has been muted**

### WARNING!

- Never configure Mobileye HMW while driving!
- Setting the timing of the headway alert to a low value will activate the alert when vehicles are very close.
- You are always solely responsible for maintaining a safe driving distance from vehicles ahead, regardless of Mobileye C2-270 warnings or lack of them.

## Mobileye Intelligent High-Beam Control (IHC)

### HOW DOES MOBILEYE IHC WORK?

Mobileye Intelligent High-Beam Control controls a vehicle's driving lights by automatically switching them from low beam to high beam on dark roads without nearby traffic.

### WHEN IS MOBILEYE IHC FUNCTIONAL?

Mobileye IHC is active at night, on dark roads (with no street lights), without nearby traffic.

Mobileye IHC is active at speeds greater than 35 km/h (21 mph).

Mobileye IHC is active only if enabled.

### MOBILEYE IHC WILL NOT SWITCH TO HIGH BEAMS WHEN:

Another vehicle's tail lights are detected in front of your vehicle at a distance of less than 400 meters.

There is an oncoming vehicle at a distance of less than 800 meters.

Your vehicle enters a well-lit area, or street lights are detected.



IHC active

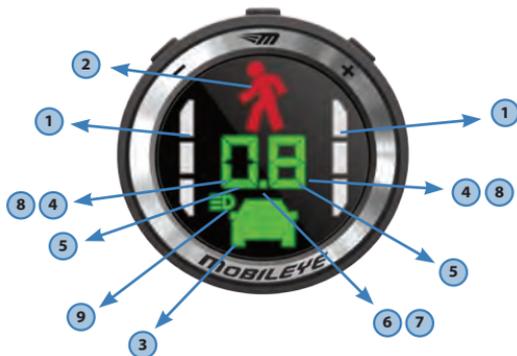


IHC enabled

### IMPORTANT NOTES:

1. Mobileye IHC is available only on certain Mobileye C2 models.
2. Mobileye IHC is available only on selected vehicle models.
3. Mobileye IHC is available only if activated during system installation.
4. Mobileye IHC is available only in certain geographical areas.

## Visual Alerts



### 1. LEFT/RIGHT DEVIATION ALERT

When a Lane Departure Warning is sounded, the Left or Right Deviation Alert indicator will flash for 0.7 seconds.

### 2. PEDESTRIAN ICON

Displayed only when a pedestrian or bicycle are detected ahead of you in the same lane.

### 3. HEADWAY VISUAL ALERT (CAR ICON)

Displayed only when a vehicle in the same lane is detected ahead of you. Colored green or red according to safe or unsafe headway.

### 4. HEADWAY-DISTANCE METER

A two-digit number that displays your headway (in seconds) from the vehicle ahead. Only values of 2.5 headway seconds or less are displayed.

### 5. 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).

### 6. SYSTEM ON

Indicated by a green dot.

### 7. MUTE

Indicated by a flashing green dot between the two digits of the headway figure.

### 8. LOW VISIBILITY INDICATION

Dimming of the numerical display (headway distance meter). Displayed during low visibility conditions (bad weather, direct sunlight, dirt on windshield, etc). Mobileye C2-270 continues to work but there may be degradation in detection ability. If low visibility persists, check for possible camera obstructions (dirt, humidity, etc).

### 9. IHC INDICATION

Green icon means Mobileye IHC is enabled. Blue icon means Mobileye IHC is active.

## Control Panel

### Mode Selection

#### Turning the Mobileye C2-270 system OFF/ON

**Turning OFF:** Press the () button until the EyeWatch Display turns off or press and hold the (-) button on the camera.

**Turning ON:** Press any button.

#### Changing the EyeWatch Display's Brightness Level:

- Press () once.
- Press the (-) (+) buttons to decrease or increase the brightness level. There are 5 available levels (1-5). Mobileye C2-270 automatically adjusts brightness levels for day and night.

#### Changing the Headway Warning Timing:

- Press () twice.
- Press (-) to decrease the headway-warning timing; press (+) to increase it. Available levels: **0.1-2.5**

#### Changing Mobileye LDW Sensitivity:

- Press () 3 times.
- Press (-) to activate Mobileye LDW sensitivity; press (+) to increase it. There are 3 available levels (**0-2**)

### CAUTIONS:

- If you set Mobileye LDW sensitivity to "0", it will disable LDW alerts.
- To enable Mobileye LDW alerts, make sure the Mobileye LDW sensitivity level is set to either level **1** or **2**.

#### Changing Mobileye PCW Sensitivity:

- Press the () 4 times.
- Press the (-) to decrease the Mobileye PCW sensitivity, or press (+) to increase it.

#### Activating and de-activating Mobileye IHC:

- Press () 5 times.
- Press (+) to activate Mobileye IHC; press (-) to deactivate it. There are 2 available modes: Level 0 means Mobileye IHC is off; Level 1 means Mobileye IHC is on.

## 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 Mobileye LDW and Mobileye HMW sounds are disabled, but Mobileye FCW sound volume will default to level **"3"**.

## Mute

**Option 1:** Set volume level to **"0"**, either from the EyeWatch Display or from the camera control button.\*

**Option 2:** Press and hold the **(-)** button on the EyeWatch Display 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 Mobileye HMW and Mobileye LDW audio alerts. Mobileye FCW cannot be muted.

**\*Camera button available only in certain Mobileye C2-270 models.**

## Virtual Bumper Sensitivity (VB)

To change the Virtual Bumper sensitivity, press and hold the **(+)** button, and then press the **(-)** button for 1.5 seconds. A red car icon will start flashing and the numerical display will light. Press **(-)** to decrease VB sensitivity, or press **(+)** to increase it. VB sensitivity is limited to distances between 1 meter and 2.0 meters. This feature is available only when speed is at **"0"**.

# Turning on the Mobileye C2-200 System

Mobileye C2-200 is activated automatically when you start your car.

## Mobileye C2-200 is now ready to go

**IMPORTANT NOTE:** To prevent possible degradation in system accuracy, do not remove or tamper with the Camera Unit or the Windshield Mount. **CAUTION:** The Camera Unit can heat up during operation. Refrain from touching the Camera Unit during or immediately after operation.

## Alert Types

Mobileye C2-200 is an Advanced Driver Assistance System that supplies the following alerts:

- **Forward Collision Warning (FCW) (including motorcycle detection)**  
Warns of an imminent collision with the vehicle ahead of you.
- **Pedestrian Collision Warning (PCW) (including bicycle detection)**  
Warns of an imminent collision with a pedestrian ahead of you.
- **Lane Departure Warning (LDW)**  
Warns that you are about to unintentionally swerve from your lane.
- **Headway Monitoring and Warning (HMW)**  
Assists you in maintaining a safe driving distance (referred to as “headway”, which is measured in seconds) from the vehicle ahead of you.

## Mobileye Forward Collision Warning (FCW)

### HOW DOES MOBILEYE FCW WORK?

Mobileye FCW alerts you up to 2.7 seconds before a possible collision with the vehicle ahead of you.

### WHEN IS MOBILEYE FCW OPERATIONAL?

Mobileye FCW is always operational when the system is turned on.

### MOBILEYE FCW AUDIO ALERT

A series of loud, high-pitched sounds.

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

## Mobileye Pedestrian Collision Warning (PCW)

### HOW DOES MOBILEYE PCW WORK?

Mobileye PCW alerts you to a possible collision with a pedestrian ahead of you.

### WHEN IS MOBILEYE PCW OPERATIONAL?

Daytime: Mobileye PCW is operational from a speed of 1 km/h (0.621 mph) to a speed of 50 km/h (31 mph).

Night-time: Not operational.

### MOBILEYE PCW AUDIO ALERT

A series of loud, high-pitched sounds.

**NOTE:** This feature is available only in certain geographical areas.

## Mobileye Lane Departure Warning (LDW)

### HOW DOES MOBILEYE LDW WORK?

Mobileye LDW alerts you when you unintentionally begin to depart from your lane. If you signal when moving between lanes, an alert is not generated.

### WHEN IS MOBILEYE LDW FUNCTIONAL?

Mobileye LDW is active at speeds greater than 55 km/h (34 mph).

### MOBILEYE LDW AUDIO ALERT

A series of sharp warning beeps of short duration.

### MOBILEYE LDW WILL NOT ISSUE ALERTS WHEN

- Lanes are unmarked or poorly marked.
- Driving speed is less than 55 km/h (34 mph).
- Turn Indicators (blinkers) are being used.
- A sharp turn is made.
- The system has been muted.

## Mobileye Headway Monitoring and Warning (HMW)

### HOW DOES MOBILEYE HMW WORK?

Mobileye HMW displays your headway in relation to the vehicle in front of you. If you get closer than a set distance\* (calculated in seconds), it alerts you to the danger.

### MOBILEYE HMW AUDIO ALERT

A single chime when headway is equal to or lower than the predefined headway.

### WHEN IS MOBILEYE HMW FUNCTIONAL?

The audio alert is operational only at speeds greater than 30 km/h (19 mph).

\*The HMW predefined headway is pre configured during installation upon customers' request.

### WARNING!

- Setting the timing of the headway alert to a low value will activate the alert when vehicles are very close.
- You are always solely responsible for maintaining a safe driving distance from vehicles ahead, regardless of Mobileye C2-200 warnings or lack of them.

## System Limitations

1. Mobileye C2-270/C2-200 is intended for paved roads with lanes that are clearly marked.
2. Mobileye C2-270/C2-200 cannot "see" better than the driver. It is the driver's responsibility to be alert and aware at all times, and to depend on his or her eyesight and hearing when driving.
3. Mobileye C2-270/C2-200 detects fully visible rear ends of vehicles. Therefore, crossing, oncoming and passing vehicles cannot be detected.
4. Mobileye C2-270/C2-200 does not guarantee 100% accuracy in detecting vehicles, pedestrians or driving lanes, or in providing warnings for all potential road hazards. In addition, road, weather and other conditions can adversely affect the Mobileye C2-270/C2-200 system's recognition and response capabilities. Any conditions that create partial or full blockage of the camera's view will result in no or reduced functionality of the Mobileye C2-270/C2-200 systems. Always ensure that the camera has a clear field of view.

## License and Warranties

### LIMITED USE LICENSE

The software embedded in this Mobileye product is the proprietary of Mobileye. The purchaser is granted solely with a non-exclusive license to use the software as provided by Mobileye, and shall not: (a) modify, adapt, alter, translate, or create derivative works from any software residing in or provided by Mobileye in conjunction with this Mobileye product, (b) reverse assemble, decompile, disassemble, or otherwise attempt to derive the source code for such software (c) assign, sublicense, lease, rent, loan, transfer, disclose, or otherwise make available such software, or (d) remove proprietary notices on product or its accompanying documentation.

### LIMITED WARRANTY

This Mobileye product Limited Warranty (the "Limited Warranty") is non-assignable and cover the original purchaser of this Mobileye product installed on the vehicle for which the system was purchased against defects in material or workmanship for a period of one year from the date of purchase (or as required by applicable law). The sole obligation of Mobileye under this Limited Warranty is to repair or replace, at Mobileye's discretion, any Mobileye product, which is determined by Mobileye to have been defective in materials or workmanship Mobileye will not be responsible for conditions arising as a result of installation. The following are excluded from warranty coverage: (a) Damage from misuse, negligence, improper installation or accident. (b) Installation on a vehicle other than the vehicle for which this Mobileye product was designed. (c) Repair or alteration of this Mobileye product by any party other than Mobileye.

### WARRANTY DISCLAIMER

This Limited Warranty is the sole and exclusive warranty applicable to this Mobileye product. Mobileye disclaims all other express warranties and all implied warranties of merchantability and fitness for a particular purpose, to the fullest extent permitted by applicable law. No representative, distributor, dealer or agent of Mobileye has the authority to make any representation, warranty, or agreement on behalf of Mobileye with respect to this Mobileye product. No representation or warranty of any kind or nature is made by Mobileye beyond those expressly stated herein. In no event shall Mobileye be liable for any special, collateral, indirect, punitive, incidental, consequential, or exemplary damages in connection with or arising out of the use of this Mobileye product.

### IF WARRANTY SERVICE IS NEEDED

The following procedure is to be followed if a problem arises with this Mobileye product:

1. Contact the distributor of which this Mobileye product was purchased from.
2. Contact Mobileye if this Mobileye product was purchased directly from Mobileye. All Mobileye products must be returned to Mobileye with prepaid freight. A return authorization number is required and may be obtained by contacting our Customer Service Dept.