



iPhone/iPad for Low Vision Detection Mode

The Magnifier is a handy tool that turns your device into a magnifying glass to enlarge small print, enhance your view, and freeze an image to help see things more easily.

Magnifier has another feature called **Detection Mode** that lets you choose between **People Detection**, **Door Detection**, and **Image Descriptions**.

- **Image description mode** works with all iPhone models, beginning with iPhone 12.
- **Detection Mode** only works on models that have a LiDAR scanner—a built-in sensor that measures distances of surrounding objects. The supported models are iPhone Pro and Pro Max (beginning with iPhone 12), running software version iOS 16 or later.
- **On iPads** these features are supported on Pro models beginning with those released in 2020.

Enable Detection Mode

1. Open the **Magnifier** app. A toolbox with several buttons appears at the bottom of your screen.
2. Select the **Settings** button (looks like a gear) at the bottom left of the toolbox. A menu appears with the following options:
 - Default
 - Save New Activity
 - Settings
3. Select **Settings** to open the **Customize Controls** menu.

Tip: This is where controls used most often can be added and organized.

4. Scroll down to the **Other Controls** section and select the **Plus** button next to **Detection Mode** to add this feature.
5. Right swipe a few times to your **Included Controls** heading.
6. Select the **Done** button at the top right corner of the **Customize Controls** screen. The **Detection Mode** button now appears below the slider bar in the **Magnifier** controls toolbox.

Door Detection

Door Detection helps locate doors when arriving at destinations and provides audio feedback on how far you are from the door. **Door Detection** also tells you whether a door is opened or closed. If the door is closed, **Door Detection** gives you information on how to open it.

7. In the **Magnifier** app, select **Settings** to open the **Customize Controls** menu.
8. Scroll down to the **Detectors** section. Your options are:
 - People Detection
 - Door Detection
 - Image Description
9. Select **Door Detection** to open its settings:
 - **Units:** Choose Meters or Feet.
 - **Sound Pitch Distance:** Use the Plus and Minus buttons to set the distance within which doors are detected.
 - **Feedback:** Choose any combination of Sound, Speech, or Haptics.

Tip: Be sure your device is in ring mode to hear sounds or speech.

- **Color:** Choose an outline color for detected doors.
10. When you've finished making changes, tap the **Back** button at the top left.
 11. Select **Done** at the top right to apply your changes.
 12. In the **Magnifier** toolbox, select the **Detection Mode** button.
 13. Three buttons appear vertically centered on the left side of your screen. From top to bottom:
 - People Detection
 - Door Detection
 - Image Descriptions
 14. Select **Door Detection** for feedback on how many doors have been detected, the distance between you and the door, and how to open a detected door.

People Detection

People Detection works like **Door Detection**, but it tells you when people are nearby and the distance between you. You can choose **Sound**, **Speech**, and

Haptics feedback, which become more frequent when someone moves closer to you.

15. Follow the steps for **Door Detection**, except choose **People Detection** in **step 9**, to turn this feature on.

Image Descriptions

Image Descriptions provides live descriptions of the scenes and people detected in the camera view. Live descriptions feedback is given by text or speech:

- **Text feedback:** Image descriptions are shown in the camera view.
- **Speech feedback:** Your device speaks the description of the scenes and people detected in the camera view.

Tip: Be sure your device is in ring mode to hear speech.

16. Turn this feature on and customize settings using the steps for **Door Detection**, choosing **Image Descriptions** in **step 9** instead.
17. To receive live descriptions, position your device so the rear camera can see and process a scene.

18. When you're finished, select the **End** button to return to the **Magnifier** screen.

Detection Mode Shortcut

Once you've set up **Detection Mode**, you can access it from anywhere with a shortcut gesture.

19. Using four fingers, quickly tap three times on the screen to launch **Detection Mode**.