

iRobot 81002 Virtual Wall

iRobot Virtual Wall Lighthouse User Manual

Model: 81002 Virtual Wall

Brand: iRobot

1. INTRODUCTION

The iRobot Virtual Wall Lighthouse is an accessory designed to work with compatible iRobot Roomba robotic vacuum cleaners. It serves two primary functions: guiding your Roomba through sequential room-to-room cleaning (Lighthouse mode) and blocking off-limit areas (Virtual Wall mode).



Image 1: Front view of the iRobot Virtual Wall Lighthouse.

2. COMPATIBILITY

The Virtual Wall Lighthouse is compatible with specific iRobot Roomba models. Please ensure your Roomba model is listed below for proper functionality:

- iRobot Roomba 886
- iRobot Roomba 880

- iRobot Roomba 785
- iRobot Roomba 782
- iRobot Roomba 780
- iRobot Roomba 790
- iRobot Roomba 585
- iRobot Roomba 581
- iRobot Scooba 450
- Select Roomba 500 Series models

3. FEATURES AND MODES

The Virtual Wall Lighthouse offers two distinct operational modes, selectable via a switch on the device:

3.1. Lighthouse Mode

In Lighthouse mode, the device acts as a guide for your Roomba. It contains Roomba in one room until that room is completely vacuumed. Once the cleaning cycle for the first room is finished, the Lighthouse directs Roomba to proceed to the next room, enabling efficient room-to-room cleaning.

3.2. Virtual Wall Mode

In Virtual Wall mode, the device creates an invisible barrier that Roomba will not cross. This is useful for blocking off-limit areas in your home, such as pet bowls, delicate furniture, or areas with loose cables, preventing Roomba from entering them.



Image 2: Mode selector switch on the Virtual Wall Lighthouse.

4. SETUP

4.1. Battery Installation

The Virtual Wall Lighthouse requires two C-cell batteries (not included). To install:

1. Open the battery compartment cover located on the bottom of the device.
2. Insert two C-cell batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

4.2. Placement

Proper placement is crucial for effective operation:

- Place the Virtual Wall Lighthouse on a flat surface, such as the floor, near the area you wish to manage.
- Ensure the device is positioned so that its signal is not obstructed by furniture or other objects.
- For Lighthouse mode, place the device in a doorway or opening between rooms.
- For Virtual Wall mode, place the device to create a barrier across the desired area.

5. OPERATION

To operate the Virtual Wall Lighthouse:

1. Select the desired mode (Lighthouse or Virtual Wall) using the switch on the front of the device.
2. Ensure the device is powered on. A small indicator light may illuminate to confirm it is active.
3. When your compatible Roomba starts its cleaning cycle, it will automatically detect and interact with the Virtual Wall Lighthouse based on the selected mode.
4. The device will automatically turn off when Roomba docks or finishes its cleaning cycle, conserving battery life.

6. MAINTENANCE

6.1. Battery Replacement

When the indicator light on the Virtual Wall Lighthouse begins to flash or if the device is not functioning as expected, it may be time to replace the batteries. Follow the battery installation steps in Section 4.1.

6.2. Cleaning

Periodically wipe the exterior of the Virtual Wall Lighthouse with a clean, dry cloth to remove dust and debris. Do not use abrasive cleaners or immerse the device in water.

7. TROUBLESHOOTING

If your Virtual Wall Lighthouse is not functioning correctly, consider the following:

- **Device not turning on:** Check if the batteries are installed correctly and are not depleted. Replace batteries if necessary.
- **Roomba not respecting the barrier/guidance:** Ensure the Virtual Wall Lighthouse is placed correctly and its signal is not obstructed. Verify that your Roomba model is compatible with the device.
- **Indicator light flashing:** This typically indicates low battery. Replace the C-cell batteries.
- **Interference:** Other infrared devices or strong sunlight might interfere with the signal. Try repositioning the Lighthouse or Roomba.

8. SPECIFICATIONS

Attribute	Value
Model Name	81002 Virtual Wall
Item Weight	200 g
Form Factor	Robotic Accessory
Batteries Required	Yes (2 x C-cell)
Batteries Included	No
Power Source	Battery Powered
Color	Black
Special Feature	Efficient, room-to-room cleaning
Surface Recommendation	Wall (for barrier creation)

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please refer to the official iRobot website or contact iRobot customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Official iRobot Website: www.irobot.com