

Inbay 241023-54-1

Inbay 241023-54-1 Qi Wireless Charging Compartment for BMW 3/4 Series User Manual

Model: 241023-54-1

1. INTRODUCTION

The Inbay 241023-54-1 is a Qi-compatible wireless charging storage compartment designed for seamless integration into specific BMW 3 and 4 Series models. This product allows for convenient inductive charging of smartphones without the need for cables, enhancing the vehicle's interior functionality. It adheres to global Qi standards and various automotive certifications, ensuring reliable and safe operation.



Lifestyle image showing a smartphone charging wirelessly in a car's center console, demonstrating the integrated design of the Inbay charging compartment.

2. IMPORTANT SAFETY INFORMATION

- **Foreign Object Detection (FOD):** The Inbay charger features Foreign Object Detection. Inductive charging is only activated when a Qi-compatible smartphone is placed on the tray.
- **Metal Objects:** Do not place any metal objects (e.g., coins, keys, credit cards) between the charging unit and the smartphone during charging. This can interfere with charging and potentially damage the device or objects.
- **Protective Cases:** Ensure that any protective smartphone cases do not contain metal components, as these can hinder

wireless charging.

- **Temperature:** It is normal for your smartphone to warm up slightly during inductive charging. The Qi-certified technology includes temperature control, which automatically stops charging if the temperature reaches 65°C to protect the battery.
- **Vehicle Compatibility:** This product is designed for specific BMW models. It is not compatible with facelift vehicles equipped with a drawer in the console.
- **Reverse Polarity:** The charging pad's connector may not have reverse polarity protection. Ensure correct orientation during connection to prevent potential damage to the unit.

3. PACKAGE CONTENTS

Please verify that all the following components are included in your package:

- Inbay Wireless Charging Storage Compartment
- Illustrated Mounting Instructions (refer to manufacturer's website for detailed guide)
- Plug & Play Cable Set (Y-cable and connectors)



Inbay 241023-54-1 Qi Wireless Charging Compartment with included wiring harness and connectors.

4. COMPATIBILITY

4.1 Vehicle Compatibility

This Inbay charging compartment is compatible with the following BMW models (left-hand drive vehicles without a drawer in the console):

- BMW 3 Series (F30): 02/2012 - 06/2015
- BMW 3 Series Touring (F31): 09/2012 - 06/2015
- BMW 3 Series Gran Turismo (F34): 06/2013 - 06/2016
- BMW M3 (F80): 06/2014 - 02/2017
- BMW 4 Series Coupe (F32): 10/2013 - 02/2017
- BMW 4 Series Gran Coupe (F36): 03/2014 - 02/2017
- BMW M4 (F82): 06/2014 - 02/2017
- BMW M4 Cabrio (F83): 09/2014 - 02/2017

Note: Not compatible with facelift models that feature a drawer in the center console.

4.2 Smartphone Compatibility

The Inbay charger is 100% compatible with all Qi-certified smartphones. To check if your smartphone supports the Qi standard, you can visit <http://qi-wireless-charging.net/check>.

Maximum smartphone dimensions (including protective case) for proper fit and charging:

Length: 165 mm max.

Width: 81 mm max.

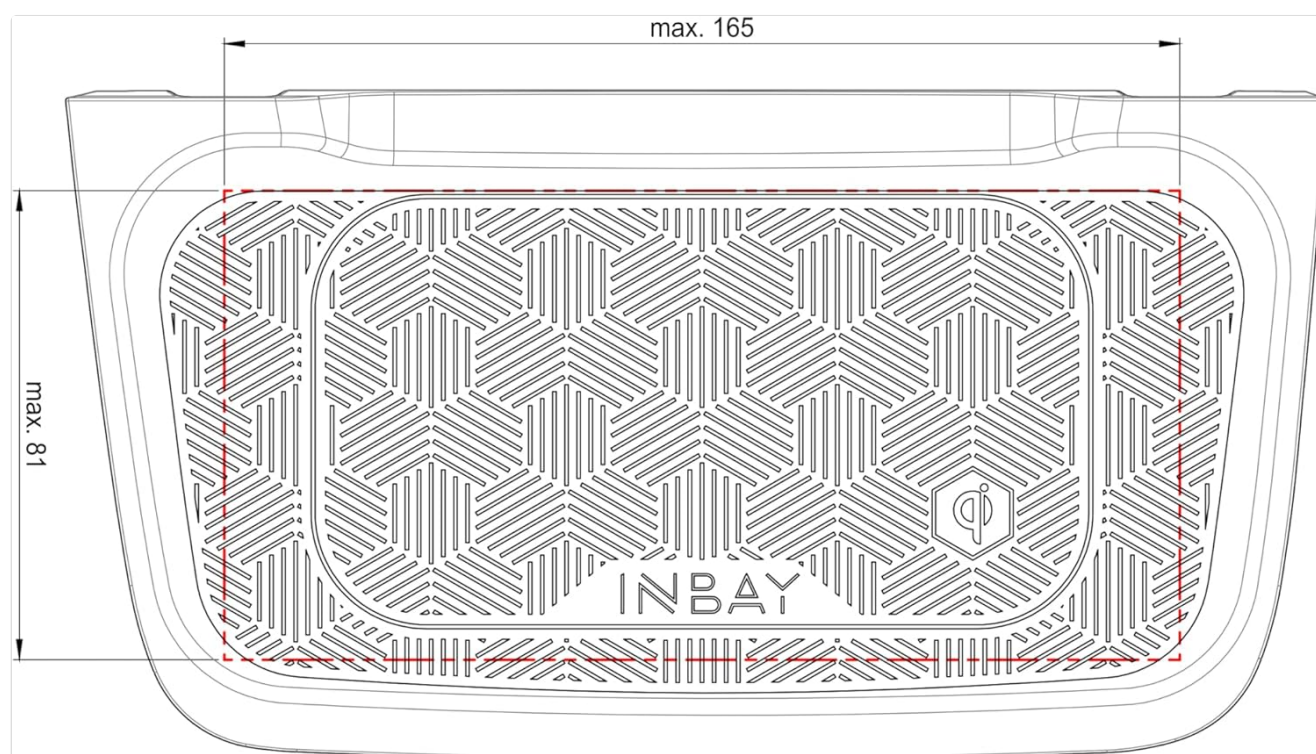


Diagram showing maximum smartphone dimensions (165mm x 81mm) compatible with the Inbay 241023-54-1 charging surface.

5. SETUP AND INSTALLATION

Installation requires some technical understanding and dexterity. An illustrated guide is provided by the manufacturer to assist with all steps. The following is a general overview of the installation process:

1. **Disassembly:** Carefully remove the iDrive trim panel and the small panel around the gear knob (use a plastic or Teflon

wedge to avoid damage).

2. **Switch Unit Removal:** Remove the small switch unit located next to the gear knob. Press the small tab at the front from underneath to release it.
3. **Console Removal:** Loosen the two small Torx screws and carefully lift the entire front section of the console to release clips and remove the part without damage.
4. **Disconnect Cables:** Disconnect two plugs: a small one from the interior antenna and a larger one from the cigarette lighter (squeeze and pull).
5. **Wiring Connection:** Connect the supplied Plug & Play cable set to the cigarette lighter cables. You can use the included wire taps or solder the connections for a more permanent solution.
6. **Drill Hole:** Drill a 9mm hole in the bottom center of one of the cup holders. A marking is usually present. This hole is for routing the charging compartment's cable.
7. **Install Charging Compartment:** Route the cable through the drilled hole and connect it to the Inbay charging compartment. Secure the compartment into the console.
8. **Reassembly:** Reassemble all removed vehicle components in reverse order.

For detailed, step-by-step instructions with illustrations, please refer to the official installation guide provided by Inbay.

6. OPERATING INSTRUCTIONS

Using your Inbay wireless charging compartment is straightforward:

1. Ensure your vehicle's ignition is on.
2. Place your Qi-compatible smartphone directly onto the charging surface within the Inbay compartment.
3. The charging process will begin automatically. Your smartphone should indicate that it is charging.
4. To stop charging, simply remove your smartphone from the compartment.

Note: For optimal charging, ensure the smartphone is centered on the charging surface and that no foreign objects are between the phone and the pad.

7. MAINTENANCE

The Inbay charging compartment requires minimal maintenance:

- **Cleaning:** Use a soft, dry, or slightly damp cloth to clean the surface of the charging compartment. Avoid abrasive cleaners or solvents.
- **Inspection:** Periodically check the compartment for any signs of damage or wear.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

8. TROUBLESHOOTING

8.1 Common Issues and Solutions

- **Smartphone is not charging:**
 - Ensure your smartphone is Qi-compatible.
 - Check that the smartphone is correctly centered on the charging surface.

- Remove any metal objects between the smartphone and the charging pad.
- Verify that your smartphone case does not contain metal components.
- Ensure the vehicle's ignition is on and the Inbay unit is receiving power.

• **Smartphone gets warm during charging:**

- Slight warming is normal for inductive charging. The unit has temperature control to prevent overheating. If it becomes excessively hot, remove the phone and allow it to cool.

• **Charging is intermittent or stops:**

- This can occur if the smartphone shifts position on the pad, especially in a moving vehicle. Try to secure the phone's position.
- For MagSafe-enabled iPhones (iPhone 12 and newer), precise positioning may be required, and slight movement can interrupt charging.

• **No power to the unit after installation:**

- Double-check all wiring connections, especially to the cigarette lighter.
- Ensure the connector to the Inbay pad is correctly oriented and fully seated, as it may lack reverse polarity protection.

9. SPECIFICATIONS

Model Number	241023-54-1
Brand	Inbay
Color	Black
Input Voltage	+12 V DC
Charging Voltage	5 V / 9 V
Charging Current	1.2 A max.
Charging Power	5 W, 7.5 W, 10 W (compatible with respective smartphone capabilities)
Max. Smartphone Dimensions	165 mm (Length) x 81 mm (Width)
Connection Type	Y-cable (Plug & Play)
Certifications	Qi (WPC), CE, RoHS, REACH, RED, E-MARK, FCC, ICES
Manufacturer	acv GmbH

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact the retailer. Inbay products are designed and manufactured in Germany, adhering to high-quality standards.

For technical support, installation assistance, or any product-related inquiries, please contact Inbay customer service directly. Contact details can typically be found on the manufacturer's official website or in the product packaging.

Related Documents - 241023-54-1

The thumbnail shows the title 'INBAY Wireless Charging Tray' and 'Mazda CX5 (KE) 2015-2017'. It includes a diagram of the charging tray and a list of compatible models.	<p>INBAY Wireless Charging Tray Installation Guide for Mazda CX5 (KE)</p> <p>Step-by-step installation instructions for the INBAY wireless charging tray (model 241170-55-1) in a Mazda CX5 (KE) 2015-2017. Includes technical specifications and LED status information.</p>
The thumbnail shows the title 'INBAY Wireless Charging Tray' and 'VW Tiguan (5N) 2007-2010' and 'VW Golf Plus (5C) 2007-2010'. It includes a diagram of the charging tray and a list of compatible models.	<p>INBAY Wireless Charging Tray Installation Guide for VW Tiguan & Golf Plus Model 241320-53-1</p> <p>Install the INBAY wireless charging tray in your VW Tiguan (5N) or Golf Plus. This guide provides step-by-step instructions, compatibility details, and safety precautions for a seamless installation.</p>
The thumbnail shows the title 'INBAY Wireless Charging Module 241320-57-1' and 'VW Arteon (3H) Facelift 2020' and 'VW Passat B8 (3G) Facelift 2020'. It includes a diagram of the charging module and a list of compatible models.	<p>INBAY Wireless Charging Module 241320-57-1 Installation Guide for VW Arteon and Passat</p> <p>Detailed installation guide for the INBAY Wireless Charging Module 241320-57-1, compatible with VW Arteon (3H) Facelift 2020 and VW Passat B8 (3G) Facelift 2020 models. Includes step-by-step instructions, technical specifications, and important safety information.</p>
The thumbnail shows the title 'INBAY Wireless Charging Tray' and 'VW Eos (1K) 2006-2008' and 'VW Golf V (1H) 2003-2005' and 'VW Jetta V (1T) 2003-2005' and 'VW Scirocco III (3C) 2007-2009'. It includes a diagram of the charging tray and a list of compatible models.	<p>INBAY Wireless Charging Tray Installation Guide for VW Vehicles</p> <p>This document provides detailed installation instructions for the INBAY wireless charging tray, designed for various Volkswagen models including Eos, Golf V, Golf VI, Jetta V, and Scirocco III. It covers compatibility, step-by-step assembly, and important safety notes regarding foreign object detection.</p>
The thumbnail shows the title 'INBAY Wireless Charging Tray' and 'Renault Kadjar 2015+'. It includes a diagram of the charging tray and a list of compatible models.	<p>INBAY Wireless Charging Tray for Renault Kadjar 2015+ Installation Guide</p> <p>Detailed installation guide for the INBAY wireless charging tray compatible with the Renault Kadjar 2015 and newer models. Includes step-by-step instructions, safety precautions, and troubleshooting tips.</p>



[Inbay Wireless Charging Tray Installation Guide for Mazda CX-5 \(KF\)](#)

Step-by-step installation instructions for the Inbay wireless charging tray in a Mazda CX-5 (KF) model year 2017 onwards. Includes safety precautions and technical specifications.