

## KKSB Cases 7350001161273

# KKSB Case for Arduino UNO Rev3 and Arduino Mega Rev3 Instruction Manual

Model: 7350001161273

## INTRODUCTION

This manual provides detailed instructions for the assembly, installation, and proper use of the KKSB Case, designed for Arduino UNO Rev3 and Arduino Mega Rev3 boards. This robust steel enclosure offers protection and versatile mounting options for your Arduino projects, including space for an Arduino Shield.

## PACKAGE CONTENTS

Please verify that all components are present before proceeding with assembly.

- KKSB Case (Steel, black powder-coated)
- Mounting screws for Arduino board
- Rubber feet (adhesive)
- Cable grommet



Figure 1: KKSB Arduino Case packaging. The package contains the steel case and necessary accessories for assembly.

## SETUP AND INSTALLATION

Follow these steps to install your Arduino UNO Rev3 or Arduino Mega Rev3 board into the KKSB Case.

### 1. Prepare the Case

1. Carefully remove the lid of the KKSB case by unscrewing the four corner screws. Note that some cases may have additional screws that do not need to be removed for lid access.
2. If using, attach the adhesive rubber feet to the bottom of the case for stability.



Figure 2: Rear view of the KKS case, showing the Ethernet port cutout, USB-B port, Reset button access, and Power input. This view helps identify port alignment.

## 2. Install the Arduino Board

3. Align your Arduino UNO Rev3 or Arduino Mega Rev3 board with the mounting holes inside the case. Ensure that the USB and power ports align with the corresponding cutouts on the case.
4. Secure the Arduino board to the case using the provided mounting screws. Do not overtighten.
5. If you are using an Arduino Shield, install it onto your Arduino board before closing the case. The case provides sufficient vertical space for most standard shields.



Figure 3: An Arduino board correctly installed within the KKS case, demonstrating proper alignment with internal mounting points and external port cutouts.



Figure 4: An Arduino board with an attached shield inside the KKS case, illustrating the ample space provided for additional components.



Figure 5: Components including the KKS case, an Arduino UNO, an Arduino Mega, and an Ethernet Shield, demonstrating compatibility and potential configurations.

### 3. Close the Case

6. Replace the lid and secure it with the four corner screws.
7. If routing cables, use the provided cable grommet in the designated opening to protect wires from sharp edges.

## OPERATING CONSIDERATIONS

The KKS Case is designed to protect your Arduino board while providing access to essential ports and features.

- **Port Access:** All standard Arduino UNO/Mega ports, including USB-B, power jack, and reset button, are accessible through labeled cutouts.
- **Shield Compatibility:** The case accommodates an Arduino Shield, allowing for expanded functionality without requiring external modifications.
- **Cable Management:** Openings are provided for routing cables, and a grommet is included for protection.
- **Ventilation:** The case features ventilation slots to aid in passive cooling of the internal components.



Figure 6: Angled view of the KKS case, highlighting the accessible ports and the overall robust construction.

## MOUNTING OPTIONS

The KKS Case offers several mounting solutions for integration into various environments.

- **DIN Rail Mounting:** The case supports DIN rail mounting for industrial or organized setups.
- **Pre-cut Mounting Holes:** Additional pre-cut mounting holes are available for custom installations.
- **Kensington Lock Compatibility:** A slot is included for a standard Kensington lock, providing a theft deterrent for public or shared environments.



Figure 7: The KKS case securely mounted on a DIN rail, demonstrating its compatibility with industrial mounting standards.



Figure 8: A Kensington lock inserted into the designated slot on the KKSB case, illustrating the security feature.

## MAINTENANCE

The KKSB Case requires minimal maintenance.

- **Cleaning:** Wipe the exterior with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Inspection:** Periodically check screws for tightness, especially if the case is subjected to vibrations or frequent movement.
- **Environment:** Ensure the case is used in a dry environment, away from excessive dust or moisture, to protect the internal electronics.

## TROUBLESHOOTING

If you encounter issues during installation or use, consider the following:

- **Board Not Fitting:** Ensure you are using a compatible Arduino UNO Rev3 or Arduino Mega Rev3 board. Verify that no components on the board are obstructing the mounting posts or case edges.
- **Port Misalignment:** Double-check the orientation of the Arduino board before securing it. The ports should align perfectly with the case cutouts.
- **Lid Not Closing:** Ensure all internal components, especially shields, are seated correctly and not exceeding the case's internal height. Verify that no wires are pinched.

## SPECIFICATIONS

|               |                                                             |
|---------------|-------------------------------------------------------------|
| Brand         | KKSB Cases                                                  |
| Model Number  | 7350001161273                                               |
| Compatibility | Arduino UNO Rev3, Arduino Mega Rev3 (and compatible clones) |

|                           |                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Material</b>           | Steel, black powder-coated                                                                                                                  |
| <b>Dimensions (LxWxH)</b> | 2.99 x 4 x 4.5 inches (7.59 x 10.16 x 11.43 cm)                                                                                             |
| <b>Item Weight</b>        | 9.1 ounces (0.26 kg)                                                                                                                        |
| <b>Features</b>           | Space for Arduino Shield, labeled cutouts, cable routing openings, Kensington lock slot, DIN Rail mounting support, pre-cut mounting holes. |

## WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official KKSBB Cases website or contact your retailer. Keep your proof of purchase for any warranty claims.

Official KKSBB Cases Website: [kksb-cases.com](https://kksb-cases.com)

## Related Documents - 7350001161273

|                                                                                     |                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <p><a href="#">KKSBB Raspberry Pi 5 Case for HATs and Coolers: User Manual, Safety, and RoHS Information</a></p> <p>Official user manual and safety datasheet for the KKSBB Raspberry Pi 5 Case, designed for HATs and coolers. Learn about product features, installation, RoHS compliance, and responsible disposal.</p>  |
|  | <p><a href="#">KKSBB NVIDIA Jetson Orin Nano Developer Kit Case - User Manual and Safety Datasheet</a></p> <p>Comprehensive user manual and safety datasheet for the KKSBB NVIDIA Jetson Orin Nano Developer Kit Case, detailing product information, safety warnings, RoHS compliance, and disposal guidelines.</p>        |
|  | <p><a href="#">KKSBB Display Stand for Raspberry Pi 5: User Manual and Safety Datasheet</a></p> <p>User manual and safety datasheet for the KKSBB Display Stand for Raspberry Pi Touch Display 2 with Case for Raspberry Pi 5. Covers product introduction, safety warnings, RoHS compliance, and responsible disposal.</p> |
|  | <p><a href="#">KKSBB Raspberry Pi 5 Case for HATs and Coolers: User Manual, Safety, and RoHS Information</a></p> <p>Official user manual and safety datasheet for the KKSBB Raspberry Pi 5 Case, designed for HATs and coolers. Learn about product features, installation, RoHS compliance, and responsible disposal.</p>  |

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|   | <p><a href="#">KKSb NVIDIA Jetson Orin Nano Developer Kit Case - User Manual and Safety Datasheet</a></p> <p>Comprehensive user manual and safety datasheet for the KKSb NVIDIA Jetson Orin Nano Developer Kit Case, detailing product information, safety warnings, RoHS compliance, and disposal guidelines.</p>        |
|  | <p><a href="#">KKSb Display Stand for Raspberry Pi 5: User Manual and Safety Datasheet</a></p> <p>User manual and safety datasheet for the KKSb Display Stand for Raspberry Pi Touch Display 2 with Case for Raspberry Pi 5. Covers product introduction, safety warnings, RoHS compliance, and responsible disposal.</p> |

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**ANVÄNDARHANDBOK OCH SÄKERHETSDATABLAD**  
KKSb Fodral för Arduino Mega Rev3 och Arduino Uno Rev3  
EAN: 7350001161273

**Läs före användning**  
Detta dokument innehåller viktig teknisk och säkerhetsinformation om enheten och ska läsas noga före användning.  
**VARNINGAR** VARNING: KVVNINGSRISK - SM DELAR. INTE...

**Produktinformation**  
KKSb Fodral för Arduino Mega Rev3 och Arduino Uno Rev3 är en kvalitetsfyllt och robust fodral som skyddar din enhet mot skador och stötar. Den är tillverkad av hög kvalitet och är utformad för att passa perfekt på din enhet. Den är också utrustad med en praktisk bärrem för att göra det lätt att ta med sig enheten. Fodralen är tillverkad av ett miljövänligt material som är både hållbart och lätt att rengöra. Den är också utrustad med en praktisk bärrem för att göra det lätt att ta med sig enheten.

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