

## Neutral 110-17ACL, 110-17IKB, 130-15AST, 130-15IKB, 310-15IKB

# Instruction Manual: DC Power Jack Charging Port

For Lenovo ideapad Models: 110-17ACL (80UM), 110-17IKB (80VK), 130-15AST (81H5), 130-15IKB (81H7), 310-15IKB (80TV, 80TW)

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the DC Power Jack Charging Port compatible with various Lenovo ideapad laptop models. This component is a critical part for supplying power to your laptop and charging its battery. Proper installation and care are essential for optimal performance and longevity.

## SAFETY INFORMATION

Always prioritize safety when working with electronic components. Disconnect the laptop from all power sources before beginning any installation or maintenance. If you are not comfortable performing the installation, seek assistance from a qualified technician. Avoid static discharge by grounding yourself before handling the component.

- Ensure the laptop is powered off and the battery is removed before installation.
- Use appropriate tools to prevent damage to the laptop or the component.
- Handle the power jack by its edges to avoid touching sensitive electrical contacts.
- Keep small parts away from children.

## SETUP AND INSTALLATION

This section outlines the steps for replacing the DC Power Jack. Specific disassembly procedures may vary slightly by laptop model. Refer to your laptop's service manual for detailed disassembly instructions.

### Tools Required:

- Small Phillips head screwdriver
- Plastic spudger or pry tool (optional, for opening casing)
- Anti-static wrist strap (recommended)

## Installation Steps:

1. **Prepare the Laptop:** Power off your Lenovo ideapad laptop completely. Disconnect the AC adapter and remove the main battery.
2. **Access the Motherboard:** Carefully disassemble the laptop casing to gain access to the motherboard where the DC power jack is located. This typically involves removing screws from the bottom cover and potentially the keyboard or palm rest.
3. **Locate the Old Power Jack:** Identify the existing DC power jack. It will be connected to the motherboard, often by a small cable or directly soldered.
4. **Disconnect the Old Power Jack:** If connected via a cable, gently disconnect the cable from the motherboard. If soldered, desoldering will be required (professional installation recommended for soldered components).
5. **Remove the Old Power Jack:** Carefully remove the old power jack from its housing or mounting points.
6. **Install the New Power Jack:** Position the new DC Power Jack Charging Port in the same location as the old one. Ensure it aligns correctly with any mounting screws or clips.
7. **Connect the New Power Jack:** If it uses a cable, connect the cable securely to the corresponding port on the motherboard. Ensure the connection is firm.
8. **Reassemble the Laptop:** Carefully reassemble the laptop casing, ensuring all screws are replaced and components are properly seated. Do not force any parts.
9. **Test Functionality:** Reinsert the battery and connect the AC adapter. Power on the laptop and verify that it charges correctly and receives power.



Figure 1: Front view of the DC Power Jack Charging Port, illustrating the external connection point for the power adapter.



Figure 2: Bottom view of the DC Power Jack Charging Port, highlighting the internal pins that connect to the laptop's motherboard.



Figure 3: Rear view of the DC Power Jack Charging Port, displaying the mounting tabs and the area where the internal cable connects.

## OPERATING CONSIDERATIONS

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Once installed, the DC Power Jack operates automatically when the AC adapter is connected. Ensure the power adapter's plug is fully inserted into the jack to establish a stable connection. Avoid bending or twisting the power cord excessively near the jack, as this can cause damage over time.

- Always use the original or a compatible AC adapter for your laptop model.
- Do not force the power plug into the jack.
- Ensure the power adapter is connected to a stable power outlet.

## MAINTENANCE

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The DC Power Jack requires minimal maintenance. Regular inspection can help prevent issues.

- **Cleanliness:** Periodically inspect the port for dust or debris. Use a can of compressed air to gently clear any obstructions. Do not insert metal objects into the port.
- **Physical Inspection:** Check for any visible signs of damage, such as bent pins, cracks, or loose connections.
- **Cable Management:** Avoid putting strain on the power jack by ensuring the power cable is not pulled

taut or sharply bent.

## TROUBLESHOOTING

If you experience issues with power delivery or charging after installation, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Laptop not charging / No power	Loose connection, faulty AC adapter, incorrect installation.	Ensure the power jack cable is securely connected to the motherboard. Test with a known good AC adapter. Re-check installation steps.
Intermittent charging	Loose connection, damaged internal wiring, worn power adapter plug.	Verify all internal connections are secure. Inspect the power adapter plug for damage.
Power light not illuminating	No power reaching the laptop, faulty power jack, motherboard issue.	Confirm power outlet is active. Check AC adapter. Re-verify power jack installation. If issues persist, consult a professional.

## SPECIFICATIONS


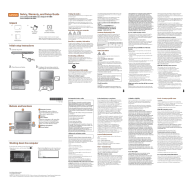




- **Product Type:** DC Power Jack Charging Port
- **Compatibility:** Lenovo ideapad 110-17ACL (80UM), 110-17IKB (80VK), 130-15AST (81H5), 130-15IKB (81H7), 310-15IKB (80TV, 80TW)
- **Manufacturer:** stiger co. ltd
- **ASIN:** B082MP66Y8
- **First Available:** December 11, 2019

## WARRANTY AND SUPPORT

For specific warranty information regarding this DC Power Jack Charging Port, please refer to the terms and conditions provided by the original seller or manufacturer at the time of purchase. Keep your proof of purchase for warranty claims.

If you require technical support or encounter issues not covered in this manual, please contact the seller or a certified computer repair technician for assistance. Do not attempt repairs beyond your technical capabilities, as this may void warranties or cause further damage.

**Related Documents - 110-17ACL, 110-17IKB, 130-15AST, 130-15IKB, 310-15IKB**

<p>Lenovo ideapad 110 ideapad 110-17IKB Bedienungsanleitung</p> 	<p><a href="#">Lenovo ideapad 110 Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für das Lenovo ideapad 110 (Modell ideapad 110-17IKB), die Anleitungen zur Ersteinrichtung, Hardware-Übersicht, Fehlerbehebung und Software-Nutzung bietet.</p>
	<p><a href="#">Lenovo ideapad 110 Series Laptop: Setup, Safety, and Warranty Guide</a></p> <p>This guide provides essential information for Lenovo ideapad 110-14IBR, 110-15IBR, and 110-15ACL laptops, covering initial setup, finding information, safety precautions, warranty terms, product specifications, and environmental compliance.</p>
	<p><a href="#">Sauermann Class 110 Portables Quick Start Guide</a></p> <p>A quick start guide for Sauermann Class 110 portable measurement instruments, covering operation, key functions, measurements, and maintenance.</p>
<p>Lenovo IdeaPad S145 Series User Guide</p> 	<p><a href="#">Lenovo IdeaPad S145 Series User Guide - Setup, Features, and Support</a></p> <p>Get started with your Lenovo IdeaPad S145 Series laptop. This user guide covers setup, Windows 10, hardware features, power management, security, troubleshooting, and essential safety information.</p>
<p>Use the Sleepform User Instructions and get the most out of your Sleepform System</p> 	<p><a href="#">Leckey Sleepform User Instructions: Guide for Children with Special Needs</a></p> <p>Comprehensive user instructions for the Leckey Sleepform system, designed for children with special needs. Learn about setup, positioning, maintenance, and safety for optimal use in home, hospital, or respite care settings.</p>
<p>Lenovo V330/V130 Guide de l'utilisateur</p> 	<p><a href="#">Lenovo V330/V130 Guide de l'utilisateur - Manuel complet</a></p> <p>Guide complet de l'utilisateur pour les ordinateurs portables Lenovo V330 et V130. Découvrez les caractéristiques, l'utilisation du clavier, la connexion réseau, la résolution des problèmes et plus encore.</p>

Documents - Neutral – 110-17ACL, 110-17IKB, 130-15AST, 130-15IKB, 310-15IKB

no relevant documents