

Duloch XD2024

Duloch 40W 4-Port USB C Wall Charger Instruction Manual

Model: XD2024

1. INTRODUCTION

Thank you for choosing the Duloch 40W 4-Port USB C Wall Charger. This manual provides essential information for the safe and efficient use of your new charger. Please read it thoroughly before operation and retain it for future reference.

2. PRODUCT OVERVIEW

2.1 Key Features

- **40W Total Output:** Delivers up to 40W of power for efficient charging.
- **4-Port Design:** Features two USB-C ports (PD 20W each) and two USB-A ports (3.1A/5V each) for simultaneous charging of multiple devices.
- **Fast Charging Protocols:** Supports Power Delivery (PD 3.0) and Quick Charge (QC 3.0) for rapid device charging.
- **Universal Compatibility:** Compatible with a wide range of smartphones, tablets, and other digital devices.
- **Compact and Portable:** Designed for convenience at home, in the office, or while traveling.
- **Advanced Safety:** Equipped with a smart chip to prevent overcharging, overheating, and short circuits.

2.2 Package Contents

- 2 x Duloch 40W 4-Port USB C Wall Charger



Image: Front and side view of the Duloch 40W 4-Port USB C Wall Charger, highlighting its compact design and multiple ports.



Image: A visual comparison demonstrating how the single compact Duloch 4-port charger replaces multiple individual chargers, reducing clutter.

3. SETUP AND INSTALLATION

1. **Plug into Power Outlet:** Insert the charger into a standard 110V AC wall outlet. Ensure it is securely seated.
2. **Connect Devices:** Use appropriate USB charging cables (not included) to connect your devices to the charger's USB-C or USB-A ports.

3. **Verify Charging:** Confirm that your devices indicate they are charging.



Image: The Duloch charger plugged into a wall outlet, simultaneously charging two smartphones, a tablet, and wireless earbuds, demonstrating its multi-device capability.

4. OPERATION

4.1 Charging Your Devices

The Duloch 40W charger is designed to efficiently charge up to four devices simultaneously. Its intelligent power allocation ensures each connected device receives optimal charging speed.

4.2 Fast Charging Capability

The two USB-C ports support Power Delivery (PD 3.0) with up to 20W output each, while the two USB-A ports provide up to 3.1A/5V. This allows for significantly faster charging compared to standard chargers. For example, compatible iPhone models can charge from 0% to approximately 58% in just 30 minutes.

Faster Than the Original

3X

Charge iPhone 17/16
from 0% to 60% only in 30mins



Image: The Duloch charger connected to two iPhones, illustrating its fast charging capability, achieving up to 3 times faster charging speeds.

4.3 Universal Compatibility

This charger is compatible with a broad range of electronic devices, including but not limited to:

- **iPhones:** iPhone 17, 17 Pro, 17 Pro Max, 17 Air, iPhone 16, 16 Pro, 16 Pro Max, 16 Plus, iPhone 15, 15 Pro, 15 Pro Max, iPhone 14, 14 Pro, 14 Pro Max, iPhone 13, 13 Mini, 13 Pro Max, iPhone 12, 12 Pro Max, 12 Mini, SE 2020, 11, 11 Pro, 11 Pro Max, XR, XS, X, 8, 7.
- **iPads:** iPad Air, iPad Pro, iPad Mini.
- **Samsung Galaxy:** S24 Ultra, S24 Plus, S24, S23 Ultra, S23 Plus, S23, S22 Ultra, S22, S21, S20, S10, S9, S8, and various Galaxy Tablets.
- Other digital devices compatible with USB-C or USB-A charging.

Universal Compatibility



For Phone:



iPhone 17 Series



iPhone 16 Series



iPhone 15 Series



iPhone 14 Series



Samsung S24/23 Series

For Tablets:



iPad Pro Series



iPad Air Series



iPad Series



iPad Mini Series



Galaxy Tab Series

Image: A chart illustrating the universal compatibility of the charger with various phone and tablet models, including iPhone and Samsung Galaxy devices.

5. SAFETY FEATURES

The Duloch 40W charger incorporates a smart chip and multiple protection mechanisms to ensure the safety of your devices and the charger itself:

- **Output High-Voltage Protection:** Safeguards against excessive voltage output.
- **Input Current Regulation:** Manages incoming current to prevent damage.
- **Input Short-Circuit Protection:** Protects against short circuits at the input.
- **Temperature Control:** Prevents overheating during operation.
- **Output Current Regulation:** Controls outgoing current for stable charging.
- **Output Short-Circuit Protection:** Protects against short circuits at the output.

Advanced Safety Features

Output High-Voltage Protection

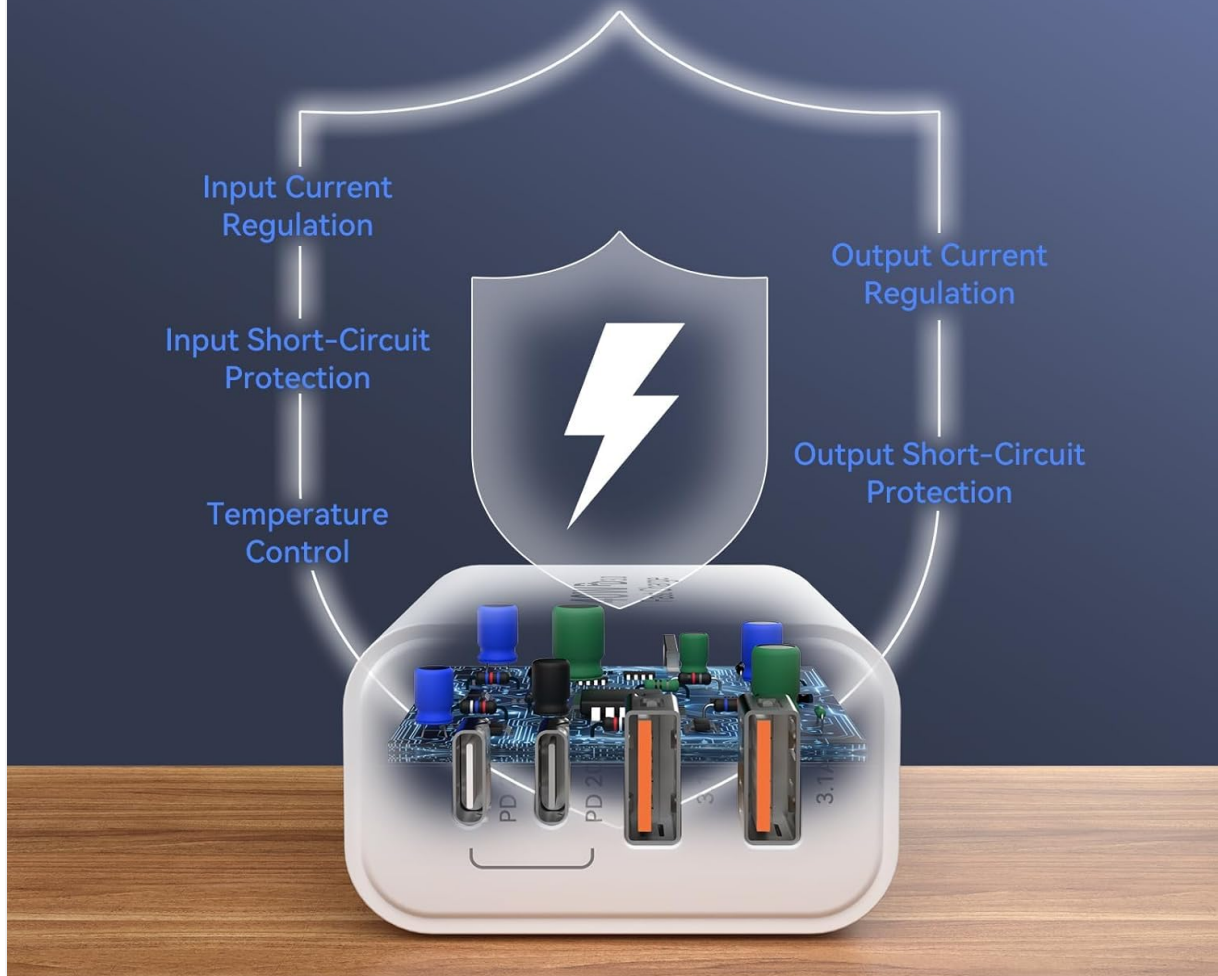


Image: A diagram illustrating the various advanced safety features integrated into the charger, including protection against high voltage, short circuits, and temperature control.

6. MAINTENANCE

To ensure the longevity and optimal performance of your charger, follow these maintenance guidelines:

- **Cleaning:** Disconnect the charger from the power outlet before cleaning. Use a dry, soft cloth to wipe the surface. Do not use liquid cleaners or aerosols.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the charger to strong impacts. Do not attempt to disassemble or modify the charger.

7. TROUBLESHOOTING

If you encounter any issues with your Duloch 40W 4-Port USB C Wall Charger, please refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|---------------------|---|---|
| Device not charging | Loose connection, faulty cable, power outlet issue, incompatible device. | Ensure charger is firmly plugged into the wall. Try a different USB cable. Test the power outlet with another device. Verify device compatibility. |
| Slow charging | Non-fast charging cable, device not supporting fast charge, multiple devices drawing power. | Use a high-quality fast-charging cable. Ensure your device supports PD or QC protocols. If charging multiple devices, total power is shared. |
| Charger is hot | Normal operation under heavy load, poor ventilation. | A slight warmth is normal. Ensure adequate ventilation around the charger. If it becomes excessively hot, disconnect immediately and contact support. |

8. SPECIFICATIONS

Technical Details

| Feature | Detail |
|---------------------------|--|
| Model Number | XD2024 |
| Total Output Power | 40W |
| USB-C Port Output | 20W Power Delivery (PD 3.0) per port |
| USB-A Port Output | 3.1A/5V per port (Quick Charge 3.0 compatible) |
| Input Voltage | 110 Volts |
| Total USB Ports | 4 (2x USB-C, 2x USB-A) |
| Item Weight | 4.6 ounces |
| Package Dimensions | 3.7 x 2.87 x 1.26 inches |
| Connectivity Technologies | USB |
| Manufacturer | Shenzhen Xihuida Electronics Co., Ltd |

9. WARRANTY AND SUPPORT

9.1 Product Warranty

Your Duloch 40W 4-Port USB C Wall Charger comes with an 18-month guarantee from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.

9.2 Customer Support

For any questions, concerns, or warranty claims, please contact our customer support team. We are committed to resolving your issues within 24 hours.

Please refer to your purchase platform or product packaging for specific contact details.

10. IMPORTANT SAFETY INFORMATION

- Do not expose the charger to liquids, moisture, or extreme temperatures.

- Do not use the charger if it is damaged or has been dropped.
- Keep out of reach of children.
- Use only with compatible devices and cables.
- Disconnect the charger during lightning storms or when unused for long periods.

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