

DX5 Conversion Kit

User Manual: Senyang Board DX5 Conversion Kit

Model: DX5 Conversion Kit | Brand: Generic

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Generic Senyang Board DX5 Conversion Kit. This kit is designed to update and convert older ECO solvent printers, enabling compatibility with DX5 print heads and related components. Please read this manual thoroughly before attempting any installation or operation to ensure proper function and safety.

2. SAFETY INFORMATION

Working with printer electronics and mechanical components requires caution. Adhere to the following safety guidelines:

- **Power Disconnection:** Always disconnect the printer from the main power supply before performing any installation, maintenance, or troubleshooting.
- **Static Electricity:** Take precautions against electrostatic discharge (ESD). Use an anti-static wrist strap or touch a grounded metal object before handling electronic components.
- **Component Handling:** Handle circuit boards and delicate components by their edges to avoid damaging sensitive parts.
- **Ventilation:** Ensure adequate ventilation when working with solvents or inks.
- **Professional Assistance:** If you are unsure about any step, seek assistance from a qualified technician. Improper installation can damage the kit or the printer.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package. The exact contents may vary slightly based on the specific kit variant purchased.



Image 3.1: Overview of the Senyang Board DX5 Conversion Kit components. This image displays the main control boards, stepper motors, various cables, and a small display panel, which are typical parts of the conversion kit.



Image 3.2: Another perspective of the Senyang Board DX5 Conversion Kit. This view highlights the different types of cables and the two main circuit boards, along with the motors, providing a comprehensive look at the included hardware.

- Main Control Board(s)
- Print Head Interface Board (if separate)
- Stepper Motors
- Various Data and Power Cables
- Display Panel (if included)
- Mounting Hardware (screws, standoffs, etc. - may vary)

Note: Components may be "Compatible new" or "Original Refurbished" and are sent randomly. Please ensure the appearance, size, and color of the received parts match your original components or are suitable for your machine before proceeding with installation.

4. SETUP AND INSTALLATION

The installation of this conversion kit requires technical knowledge and careful attention to detail. It is highly recommended that installation be performed by experienced personnel.

1. Preparation:

- Power off and unplug the printer from all power sources.
- Clear the work area and ensure good lighting.
- Gather necessary tools (screwdrivers, anti-static mat, etc.).
- Document the existing wiring and component placement with photographs before disassembly.

2. Disassembly of Old Components:

- Carefully remove the existing main board, print head board, and any associated motors or cables that are being replaced by the kit.
- Note the connection points and cable routing.

3. Installation of New Components:

- Install the new main control board and print head interface board into their designated slots or mounting points. Ensure proper alignment and secure fastening.
- Connect the new stepper motors and display panel using the provided cables. Refer to the original printer's wiring diagrams or the kit's specific instructions (if provided separately by the seller) for correct pin assignments.
- Connect all data and power cables securely. Double-check all connections for proper seating and polarity.

4. Firmware and Driver Installation:

- After hardware installation, it may be necessary to install specific firmware or drivers for the new Senyang board. This information is typically provided by the seller or manufacturer.
- Follow the instructions for firmware flashing and driver installation precisely.

5. Initial Power-Up and Testing:

- Before reassembling the printer casing, perform a preliminary power-up. Observe for any unusual sounds, smells, or error messages.
- Test basic printer functions, such as head movement, ink delivery, and communication with the computer.

Important: The model number is for reference. Always compare the item's appearance, size, and color with your original part to ensure compatibility before installation. If the part number is not identical or the appearance differs significantly, it may not be compatible with your specific printer model.

5. OPERATING INSTRUCTIONS

Once the Senyang Board DX5 Conversion Kit is successfully installed and configured, the printer should operate as a DX5-compatible ECO solvent printer. Refer to your printer's original user manual for general operating procedures, as the conversion kit primarily updates the internal control system.

- **Software Compatibility:** Ensure your RIP software and printer drivers are updated to support the new DX5 print head and Senyang board.
- **Print Head Alignment:** Perform print head alignment and calibration procedures as required by the new board's software to ensure optimal print quality.
- **Ink System:** Verify that your ink system is compatible with DX5 print heads and the ECO solvent ink type.

6. MAINTENANCE

Regular maintenance helps prolong the life of your printer and the conversion kit components.

- **Dust and Debris:** Keep the printer's internal components, especially the circuit boards, free from dust and ink residue. Use compressed air or a soft brush for cleaning.

- **Cable Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion.
- **Print Head Maintenance:** Follow the print head manufacturer's recommendations for cleaning and maintenance to prevent clogging and damage.
- **Environmental Conditions:** Operate the printer in a clean, temperature-controlled environment to prevent component degradation.

7. TROUBLESHOOTING

This section provides general guidance for common issues. For specific error codes or complex problems, consult the seller or a qualified technician.

Problem	Possible Cause	Solution
Printer not powering on after installation.	Loose power connection, incorrect wiring, faulty component.	Verify all power cables are securely connected. Double-check wiring against diagrams. If issues persist, contact support.
Print head not moving or moving erratically.	Stepper motor connection issue, faulty motor, incorrect driver installation.	Check motor cable connections. Ensure correct drivers are installed. Recalibrate print head movement.
No communication with computer.	USB/Ethernet cable issue, driver problem, board not recognized.	Try a different cable or port. Reinstall printer drivers. Verify the board is properly seated.
Poor print quality (streaks, missing lines).	Print head issues, ink system problems, incorrect calibration.	Perform print head cleaning and alignment. Check ink levels and flow. Ensure correct print settings.

8. SPECIFICATIONS

Key specifications for the Senyang Board DX5 Conversion Kit:

- **Compatibility:** Designed for conversion of old ECO Solvent Printers to support DX5, DX7, I3200, XP600 print heads (specific kit variant for DX5).
- **Item Type:** Printer spare parts / Conversion Kit
- **Condition:** Compatible new or Original Refurbished (sent randomly)
- **Manufacturer:** Generic
- **ASIN:** B0CMV7LG9Z (for the DX5 Kit variant)

9. WARRANTY INFORMATION

Warranty coverage for this conversion kit is provided by the seller. Please refer to the purchase agreement or contact the seller directly for details regarding warranty terms, duration, and claims procedures. Keep your proof of purchase for any warranty-related inquiries.

10. SUPPORT

For technical support, installation guidance, or troubleshooting assistance beyond the scope of this manual, please contact the seller from whom you purchased this product. Provide them with your order details and a clear description of the issue for prompt assistance.

Seller: [Xprinters Parts](#)

