

FCC Notice

This equipment may generate, use and/or radiate radio frequency energy. If not installed and used in full accordance with this instruction manual, interference to radio communications may occur. This equipment complies with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area may also cause interference. In such case the user will be required, at his own expense, to correct the interference using whatever means necessary.

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G Series Label Printer User's Manual

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Disclaimer

This manual has been validated and reviewed for accuracy. The instructions and descriptions it contains are accurate for the Postek G Series Label Printer at the time of this manual's printing. However, succeeding printers and manuals are subject to change without notice. Postek assumes no liability for damages incurred directly or indirectly from errors, omissions or discrepancies between the printer and this manual.

Although this manual describes and details many issues, which could possibly occur, the manufacturer cannot warrant against unpredictable conditions during the printing process. For problems such as the printer not working, lost or unclear print content, etc., the manufacturer and resellers are responsible for correcting these issues (according to Postek Printer Warranty Clauses). In no event shall the manufacturer or the resellers involved be liable for any damages whatsoever (including without limitation; damages for loss of business profits, business interruption, loss of business information, or other pecuniary loss) arising from the use of, the results of use or inability to use this product, even if the manufacturer has been advised of the possibility of such damages.

Important Safety Instructions

- ◆ Only qualified and trained service technicians should attempt to repair the printer.
- ◆ Do not place the printer on or near a heat source.
- ◆ Be sure that the output of the power adapter is 24VDC and your power source matches the rating listed on the power adapter. Be certain your power source is grounded.
- ◆ To avoid getting an electric shock, do not use a worn or damaged power cord. If the power cord becomes damaged or frayed, replace it immediately.
- ◆ Do not insert anything into the ventilation slots or openings on the printer.
- ◆ The printer and power adapter should never be operated in a location where either one can get wet. Personal injury may result.
- ◆ The printhead becomes hot while printing. To protect from damaging the printhead and risk of personal injury, avoid touching the printhead.
- ◆ To get increased printhead longevity and higher quality printouts, always use approved labels, tags and thermal transfer ribbons. Approved supplies can be ordered from your dealer.
- ◆ Static electricity that accumulates on the surface of the human body or other surfaces can damage or destroy the printhead or electronic components in this device. DO NOT touch the printhead or the electronic components with bare hands.
- ◆ Place the printer on a flat, firm, solid surface.

Possible Corrective Action

- ◆ Never jam or block the air vents, or operate in a high temperature environment.
- ◆ Turn off the power when not in use for extended periods.
- ◆ Follow all recommendations and setup instructions included in this manual.

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Preface

Welcome to Postek G series label printer. The G Series is designed to provide general-purpose and high-performance printing capabilities.

Postek G series barcode label printer is a new generation of printing equipment featuring high performance and multiple functions. It stands out with its modern appearance and excellent functionality while utilizing a series of new and cutting edge technologies. Relying on our wealth of experience, we carefully designed the units to be not just rugged and durable but also easily operated and maintained. We utilize a 32-bit embedded ARM CPU and a High-tech system platform to guarantee the highest performance and quality possible.

This manual explains how to set up and begin using your G series printer. It also provides detailed information on configuring your printer, basic operations, care and troubleshooting.

Please read this manual carefully before using the G series printer.

Important Notice, Read Me First!

Thermal printhead can be easily damaged due to its precision construction. A printhead damaged by misuse is not covered under the terms of the warranty. To ensure longevity of the printhead, please note the following:

1. DO NOT scrape or use tools that might damage the printhead surface.
2. To protect from corroding the printhead, DO NOT touch the printhead with bare hands.
1. DO NOT use thermal paper or thermal transfer ribbon, which contains Na, K or Cl.
2. Keep printhead from any form of liquid or dampness.
3. Use a Cotton Swab dipped in anhydrous isopropyl alcohol to clean the printhead only.
4. Always use high-quality consumables:
 - (1) When the printhead module is closed, pressure is placed directly onto the printhead; dirt such as paper scraps, sand, dust and glue can scrape or damage the printhead.
 - (2) The TPH is also easily damaged by Static Electricity, which may be generated by poor quality ribbons.

Always inspect consumables for quality before purchasing.

Chapter 1 Introduction

Specifications

Specifications for Printer

Model	G-2108/G-2108D	G-3106/G-3106D
Printing method	Direct thermal & Thermal transfer	
Printing resolution	203dpi (8dots/mm)	300dpi (11.8dots/mm)
Max printing speed	4ips (101.6mm/s)	3ips (76.2mm/s)
Max printing width	4.25" (108mm)	4.17 (106mm)
Max printing length	40" (1016mm)	
Memory	2MB/4MB* Flash ROM, 4MB SDRAM	
Media	Roll-feed, die-cut, continuous, fan-fold, tags, tickets in plain paper or thermal paper Width: 4.3" (110mm) max., 0.98" (25mm) min. Supply roll: OD 6"(152mm) max., ID 1"(25.4mm) min.	
Ribbon	Wax, Wax/Resin, Resin Ribbon roll: OD 2.75"(70mm) max., ID 1"(25.4mm) core Max width: 110mm; Max length: 300M	
Fonts	Windows True Type Fonts (when using Windows drivers); Built-in ASCII font and a 24×24 dot matrix Chinese font.	
Bar Code Types***	1D Barcode : Code 39, Code 93, Code 128/subset A,B,C, Codabar, Interleave 2 of 5, UPC A/E 2 and 5 add-on, EAN-13/8/128, UCC-128, Postnet, Plessey, HBIC, Telepen, FIM ,etc; 2D Barcode : MaxiCode, PDF417, Data Matrix, QR etc.	
Media sensor	Reflective (Adjustable)/Transmissive**	
Interfaces	RS-232 serial, USB (or Centronics)**, PS/2*	
LCD Display	2 line graphic*	
Power rating	24 VDC, 2.0A****	

Weight	3.5kgs
Dimensions	W256 x D329 x H200mm
Operation environment	Temperature: 40°F–100°F (0°C – 40°C) Relative humidity: 5% - 85% non condensing
Optional items	Cutter kit, Internal 100/10M Ethernet Interface card

* *4MB Flash ROM, PS/2 port and LCD display are only provided for G-2108D and G-3106D models;*

** *The Centronics interface and Transmissive Sensor maybe not standard issue and is factory dependent. Please verify your requirements before ordering;*

*** *Theoretically, the printer can print any type of barcode, as determined by the software you are using;*

**** *Power for the G-series barcode label printer is provided via an external power adaptor.*

Specifications for Power Adapter

Input	AC 100~240V, 47~63HZ
Output	DC 24V, 2.0 A
Environment	0°C ~ 40°C

Unpacking and Inspection

Inspect the shipping carton(s) for possible shipping damage, if damage is discovered, notify the shipping company to report the nature and extent of the damage.

Please check the items according to the Packing List. If there are any items missing, notify your authorized reseller.

Packing List (Figure 1) :

1. Printer	1 pcs
2. Power Adapter	1 pcs
3. Ribbon Spindle	2 pcs
4. Media Spindle	1 pcs
5. Core Adapter	2 pcs
6. Media Roll Guide	2 pcs
7. Ribbon	1 pcs
8. Sample Media	1 pcs
9. CD Rom	1 pcs
10. User's Manual	1 pcs

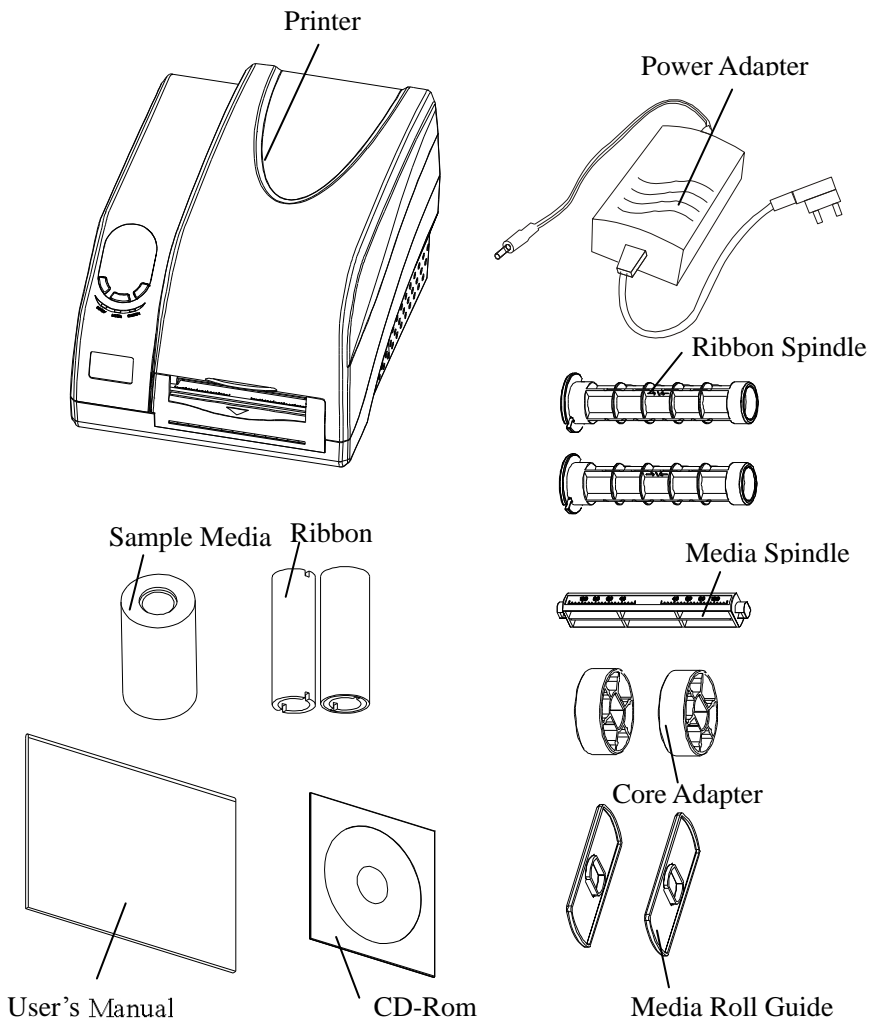


Figure 1 Printer and accessories

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