

Ricoh Aficio MP C2050/MP C2550  
Color Digital Imaging System  
A Smarter Way To Work

**RICOH**

compact



efficient



captivating



# Ricoh Aficio MP C2050/MP C2550

Working harder isn't always enough when you need to outperform your competition or meet tight deadlines. You also have to work faster... more efficiently... and smarter. And all the while paying careful attention to your bottom line. That's why the RICOH® Aficio® MP C2050/MP C2550 are so groundbreaking. These incredibly versatile systems make it affordable to add attention-grabbing color. Plus with the optional internal finisher, you can create finished documents without sacrificing floor space. No matter what document tasks you handle every day, the Ricoh Aficio MP C2050/MP C2550 are the smart choice.



# FastFlexibleSimpleEasy

## Smart, Cost-Saving Technology

The Ricoh Aficio MP C2050/MP C2550 deliver the capabilities of a world-class MFP with a total cost of ownership that meets the needs of budget-conscious users.

- Maintain high productivity for every job. Deliver up to 25 pages-per-minute for full-color and black & white documents, from daily correspondence and Web pages to financial reports, customer presentations and proposals.
- Conserve energy and save money at the same time. Return these devices to a ready condition quickly with a warm-up time of 25 seconds and a first copy of 6.5 seconds for black & white and only 9.5 for full-color.
- Print critical documents in color while saving paper and filing space. Both systems can deliver two-sided documents at nearly 100% of simplex speed.
- Reduce costs and enhance your company's image. These four-in-one MFPs offer color output that is less expensive than inkjet—so you can cost-effectively create professional documents that impress your most important customers.
- Keep outsourcing costs down—and confidential documents in-house. With your own color device, you get the color you want without relying on expensive outside vendors.
- Expect superior uptime and reliability from a MFP design that incorporates proven technology for document feeding, scanning and paper handling.

## Smart Design and Operation

With one of the smallest footprints in its class, these systems do not take up valuable real estate. The user-friendly design also includes features that make it easy to complete any task in seconds.

- Save space with a compact design that lets you choose the configuration that is right for you. You can even add finishing capabilities—with a minimal increase to the system's original footprint.
- Navigate through any job easily with the 8.5" full-color W-VGA display. Users can preview stored documents for accuracy prior to output or view animated graphics for operational assistance.
- Enjoy a user-friendly design with overhand/underhand grips on paper trays and simple toner replacement.

## Powerful Printing, Smart Results

The Ricoh Aficio MP C2050/MP C2550 provide plenty of power for demanding network printing.

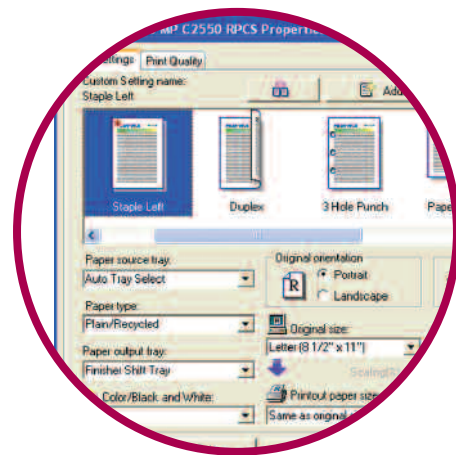
- Print your jobs faster and easier with a 533 MHz processor and up to 1GB RAM.
- For powerful print performance, these systems offer the innovative, icon-driven Ricoh Refined Print Command Stream (RPCS) driver, as well as PCL5c/6, XPS and optional genuine Adobe® PostScript®3™ drivers.
- Captivate your customers with vivid color and black & white documents that feature crisp resolution up to a maximum of 1200 dpi.
- Accommodate offices with a variety of networking needs. The systems integrate seamlessly in Windows, Macintosh, UNIX or AS/400 environments with standard 10Base-T/100Base-TX Ethernet and USB 2.0 interfaces, as well as optional Gigabit Ethernet and wireless connectivity.



Add color to your workflow without the risk of abuse. The optional Card Authentication Package provides secure user access and control to color printing/copying, scanning and other functions by swiping a user's existing identification card.



Send documents to a remote fax machine without leaving your desk, saving time and ensuring the best image quality for every fax.



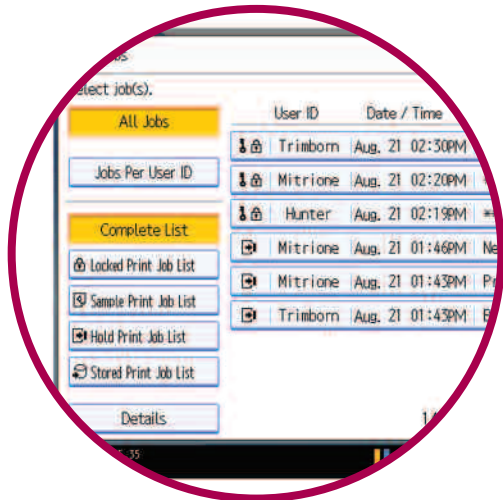
The Ricoh RPCS driver makes it simple to create one-click workflows. The driver creates one button you can press to repeat the job at any time—without having to reprogram the setup.

# Versatile Capabilities in a Compact Design

## Everything You Need in a Single System

The **100-Sheet Inner One-Bin Tray (optional/shown)** separates copy output from prints and faxes.

The **Internal Shift-Sort Tray (optional/shown)** separates finished sets for easy pickup and delivery.



With the available **Locked (Secure) Print** function, users can suspend document printing until a password is entered at the device to release the document.



The new Scan-to-Media feature allows you to take scanned documents with you in seconds with the **USB/SD card slot (optional /shown)**.

Produce professionally finished documents in-house with the **500-Sheet Internal Finisher** with optional 2 & 3 hole-punching **(optional/shown)**.



Add the **1 x 500-Sheet Paper Bank (optional)** with a lower height that allows access to all users. The **2 x 500-Sheet Paper Bank (optional/shown)** increases total paper capacity to 1,600 sheets. Up to five different paper sizes and orientations can be loaded for maximum versatility.





Handle one- and two-sided originals up to 11" x 17" with ease, using the **standard 50-Sheet Automatic Reversing Document Feeder (shown)**.

Use the **optional Side Tray (shown)** for an additional 50 sheets of output capacity.

The intuitive **full-color Control Panel** makes it simple to program jobs quickly.

Each of the **two standard front-loading Paper Trays** holds 250 sheets. The **standard Bypass Tray** holds an additional 100 sheets. All three accept a variety of paper types and weights.



Cut paper usage in half with **standard automatic two-sided (duplex) output**.



**Ricoh's PXP™ toner** ensures vibrant color output for all of your business documents and is environmentally friendly.



The **standard Document Server** is a secure, virtual filing cabinet that stores up to 2,000 documents. Frequently used documents can be re-printed, re-faxed, and re-sent.

# Ricoh Aficio MP C2050/MP C2550

## Smart, Time-Saving Features

The Ricoh Aficio MP C2050/MP C2550 make it affordable for smaller organizations and workgroups to take advantage of features normally reserved for more expensive devices.

- Distribute scanned files to any e-mail address instantly with Scan-to-Email, which does not require a dedicated server or additional software.
- Upload documents to a shared server for easy transfer with Scan-to-FTP. Or send files to a local server for automatic archiving with Scan-to-Folder.
- Store scanned documents directly to a USB memory device or SD memory card with Scan-to-Media for instant portability.
- Use High Compression PDF to dramatically reduce the file size of color documents. This alleviates the problem of large documents slowing down your network while still producing high-quality prints.
- Create sophisticated scanning workflows that can be recalled at the touch of a button with WSD scanning, which is compatible with Web Services On Devices for Windows Vista®.

## The Smart Way To Finish

Paper handling has never been so versatile in a MFP this small. Use a variety of paper stocks and sizes, then finish your documents completely in-line.

- Create finished documents without sacrificing floor space. Both systems offer an optional internal finisher, which has stapling and optional hole-punching.
- Print or copy spreadsheets, newsletters or other large documents on 11" x 17" paper. Or use the Bypass Tray for full-bleed output on up to 12" x 18".
- Keep productivity high for a variety of workgroup sizes with a total paper capacity of up to 1,600 sheets, a standard 50-Sheet Automatic Reversing Document Feeder and three standard paper sources.
- Produce postcards, posters, report covers and other documents on thick or unique stocks.

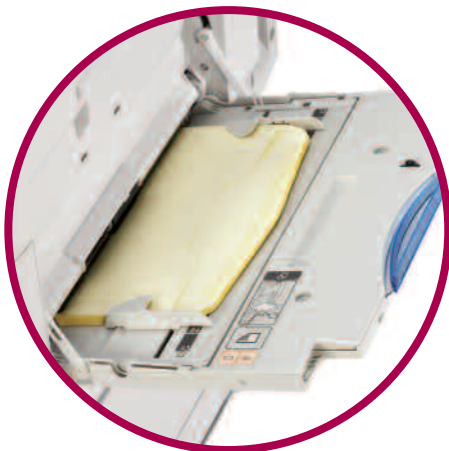
## Smart, Versatile Performance

Small offices and workgroups can add full-color capabilities and replace up to four separate devices with the Ricoh Aficio MP C2050/MP C2550.

- Just plug in and log on to take advantage of efficient full-color network printing or copying.
- Send critical documents to customers, colleagues and other business partners with speed and convenience using an extensive array of Scan-to capabilities.
- Distribute fax documents quickly and easily with a Super G3 fax modem and 2,000 Quick Dials. Or reduce costs with advanced IP (T.38) and Internet (T.37) faxing technologies.



Reduce network traffic and transmit files more efficiently with Scan-to-URL, which stores documents on the system's Hard Disk Drive. Recipients can view and download the files from any Web browser.



Use the Bypass Tray to print on a wide range of paper sizes, including envelopes.



Forward incoming faxes to an e-mail address or folder, so users can receive important documents no matter where they are.

# SmartProductiveReliableSecure

## Smart Businesses Require Efficient Systems

Unlike many other devices in its class, the Ricoh Aficio MP C2050/MP C2550 come packed with time-saving features that make daily tasks easier.

- Print a PDF or JPEG attachment automatically by sending an e-mail directly to the system using the innovative Mail-to-Print feature, which saves time and gives you even more flexibility for printing your documents.
- Reduce wait-time and network traffic with PDF Direct Print, which allows you to print PDFs without having to open them in Adobe® Acrobat®.
- Allocate print jobs to specific clients, workgroups or projects for chargeback using the Classification Code feature.
- Plug a PictBridge®-enabled digital camera into the MFP and print full-color photos in seconds.

## A Smart, Secure Choice

The Ricoh Aficio MP C2050/MP C2550 include the features required to increase security and ensure easy network administration.



- Add color to your workflow without the risk of abuse. Several levels of authentication let you confirm user identity and control access to color printing, scanning and other functions.
- Prevent confidential documents from unauthorized viewing with Locked Print. It requires a password before it releases any file for output and deletes the file automatically from the MFP hard drive. You can also print and delete multiple documents in a single operation.
- Protect sensitive information with the DataOverwriteSecurity System (DOSS) option, which automatically overwrites the hard drive. Or use the optional HDD encryption option to protect your valuable data even if the hard drive is stolen.
- Reduce the risk of wiretapping with encrypted PDF transmission. This feature encrypts PDF data prior to transmission via Scan-to-Email and Scan-to-Folder.
- Encrypt all e-mail transmissions and defend against unauthorized network interception with S/MIME (Secure/Multipurpose Internet Mail Extensions).

## Utilities for Smart Management



- Manage the Ricoh Aficio MP C2050/MP C2550 remotely. Administrators can view system details, settings and supply status—all from a standard Web browser.
- Identify cost-saving opportunities instantly with Ricoh @Remote™, a service solution that automatically collects device data (including meter reads), enables remote management, sends service and toner alerts and allows you to reduce Total Cost of Ownership (TCO) even further.
- Streamline your most important workflows with Embedded Software Architecture™, a Java-compatible Software Development Kit (SDK) that enables you to create unique applications.



## Your Environmental Partner



Ricoh continues its long-standing commitment to developing office solutions with environmentally friendly and superior energy- and supply-saving features, without compromising productivity, including:

- Power-Saving Sleep Modes
- Duplex and Combine Copy Modes
- Energy-Saving PxP™ Toner
- Low Noise Levels
- Minimal Ozone Emissions
- Restriction of Hazardous Substances (RoHS) Compliant

# Ricoh Aficio MP C2050/MP C2550

## System Specifications

### General Specifications

Printing Process	Dry Electrostatic Transfer with Dry Dual Component Magnetic Brush Development System; 4-Drum Method MP C2050: 20-ppm BW & Full-Color MP C2550: 25-ppm BW & Full-Color
Output Speed (Copy/Print)	25 seconds
Warm-Up Time	Full-Color: 9.5 seconds
First Copy Time	BW: 6.5 seconds
Copy Resolution	600 x 600 dpi
Document Feeder (Standard)	Automatic Reversing Document Feeder (ARDF)
Original Capacity	50 sheets
Paper Size	5.5" x 8.5" to 11" x 17"
Paper Weight	Simplex: 11 lb. to 34 lb. Bond (40 - 128 g/m <sup>2</sup> ) Duplex: 14 lb. to 28 lb. Bond (52 - 105 g/m <sup>2</sup> )
Exposure Glass	Up to 11" x 17"
Multiple Copies	Up to 999 copies
Copy Size	11" x 17" maximum (full-bleed on 12" x 18")
Input Capacity	Standard: 2 x 250 sheets + 100-Sheet Bypass Tray Maximum: 1,600 sheets
Output Capacity	Standard: 500 sheets (Letter); 250 sheets (Legal / Ledger) Maximum: 550 sheets (with 500-Sheet Finisher and 50-Sheet Side Tray)
Paper Sizes	Standard Tray 1 and Tray 2: 7.25" x 10.5" to 11" x 17" Custom Sizes (Tray 1 and Tray 2): 5.83" x 7.17" to 17" x 11.69" Bypass Tray: 5.83" x 3.55" to 23.62" x 12"
Paper Weights	Standard Tray #1: 16 - 68 lb. Bond/140 lb. Index (60 - 256 g/m <sup>2</sup> ); Standard Tray #2: 16 - 45 lb. Bond/90 lb. Index (60 - 169 g/m <sup>2</sup> ); Bypass Tray: 14 - 68 lb. Bond/140 lb. Index (52 - 256 g/m <sup>2</sup> ) Duplex Unit: 16 - 28 lb. Bond (60 - 105 g/m <sup>2</sup> )
Paper Types:	Plain paper, laser printer qualified transparencies, labels and envelopes
Auto Duplex	Standard
Zoom	25% - 400% in 1% increments
Preset Reduction and Enlargement Ratios	93%, 85%, 78%, 73%, 65%, 50%, 25% 400%, 200%, 155%, 129%, 121%
Dimensions (WxDxH)	23.1" x 25.8" x 33.3" (587 x 655 x 845 mm)
Weight	220 lbs.
Power Requirements	120V, 60Hz, 12A

### Other Copier Features

Auto Color Selection (ACS), Auto/Manual Density Control, Copy Mode - Photo Type Selection (Printed, Glossy, & Copied Photo), Combine Mode, Shift/Erase/Margin, Cover/Slip/Chapter Sheets, Color Creation Modes, Image Creation Modes, Stamps/Numbering, Color Adjustment, Image Adjustment, Image Rotation, Job Program (10), User Codes (440), Job Preset (8), Sample Copy, Batch Mode & SADF Mode

### Security Specifications

**Data Overwrite Security Unit (DOSS) Type I** (Optional) - Security feature that overwrites latent data on the system's hard drive after copy, scan, fax and print jobs.

**Copy Data Security Unit Type F** (Optional) - Copies of prints made with this feature will be blacked out or embedded with a watermark to deter illegal copying.

**HDD Encryption Unit Type A** (Optional) - This function encrypts the system's hard drive using 256 bits (AES) to protect against data theft.

**Other Security Features** - SNMP v3 and Data Encryption (password/address book); Locked (Secure) Print; User Codes; Basic Authentication; WPA (Wi-Fi Protect Access Support); IPsec Communication; Windows/LDAP/Kerberos Authentication; 802.1x Wired Authentication; SSL Communication; S/MIME; Network Protocol On/Off; IP Filtering (Access Control); Mask Type for Copying and more.

### Printer Controller (Standard)

CPU	RM7035C @ 533MHz, Embedded
Memory	768 MB (512 MB + 256 MB) RAM (Standard); 1GB RAM (Maximum) & 60 GB HDD Standard (Shared)
Max. Print Speed	MP C2050: 20-ppm BW & Full-Color MP C2550: 25-ppm BW & Full-Color
Page Description Languages	PCL5c, PCL6, XPS, RPCS (Standard) Genuine Adobe® PostScript®3*, Includes PDF Direct Print & Mobile Printing (Optional)
Max. Print Resolution	1200 x 1200 dpi
Standard Interfaces	10Base-T/100Base-TX Ethernet (RJ-45), USB 2.0 Device, USB 2.0 Host V/F IEEE 802.11a/b/g Interface Unit Type J, Bluetooth Interface Unit Type 3245, IEEE 1284 Interface Board Type A, Gigabit Ethernet Type A
Optional Interfaces	
Network Protocols	TCP/IP (IPv4, IPv6), IPX/SPX, Apple Talk (Auto Switching)
Fonts for PCL	45 Intellifonts, 13 International Fonts, 6 Bitmaps
Fonts for PS3	136 Roman
Network Operating Systems	Windows 2000/XP/Vista/Server 2003/Server 2008*, Novell NetWare 3.12, 3.2, 4.1, 4.11, 5.0, 5.1, 6.6, 5, UNIX* filters for Sun Solaris, HP-UX, SCO OpenServer, RedHat Linux, and IBM AIX, MAC OS 8.6 - 9.2x; OS X 10.1+; SAP R/3, NDPS Gateway, IBM iSeries AS/400 using OS/400 Host Print Transform
Utilities	SmartDeviceMonitor for Admin and Client, Web SmartDeviceMonitor, Web Image Monitor

\*Server 2008 is not included on the driver CD. It is available via download from the Ricoh website.

\*For UNIX support, visit [www.ricoh-usa.com/downloads](http://www.ricoh-usa.com/downloads).

### Other Printer Features

Sample/Hold/Stored and Locked Print, Classification Code, PANTONE® Color Palette, Black Over Print, CLP Simulation, PictBridge™ Support, WSD printer, Bonjour Support

### Scanner Specifications (Standard)

Scanner Resolution	From 100 to 600 dpi (1200 dpi for TWAIN)
Scanning Speed	41-ippm BW 26-ippm Full-Color (@200 dpi via ARDF)
Scan Area	Main Scan: 11.7" (297mm), Sub Scan: 17" (432mm)
Scan Size	Contact Glass: 11" x 17", 8.5" x 14", 8.5" x 11", 5.5" x 8.5"
Compression Method	BW: TIFF (MH, MR, MMR) Grayscale, Full-Color: JPEG
Scan Mode	Standard: BW Text/Line Art, BW Text, BW Text/Photo, BW Photo, BW Grayscale, FC Text/Photo, FC Photo
Scan-to Modes Supported	Scan-to-Email (with LDAP support); Scan-to-Folder (SMB/FTP/NCP); Scan-to-URL; Network TWAIN scanning; Scan-to-Media (USB/SD, optional); WSD scanner (for Vista)

### Document Server (Standard)

Capacity	60 GB (shared with other functions)
Max. Stored Documents	2,000 documents
Max. Pages per Document	1,000 pages
Max. Pages of all Stored Documents	6,000 pages

### Facsimile Specifications (Optional)\*

Fax Option Type C2550	ITU-T (CCITT) G3
Type	PSTN, PBX
Circuit	200 x 100 dpi, 200 x 200 dpi, 400 x 400 dpi (with optional SAF memory)
Resolution	33.6K - 2,400bps with Automatic Shift Down
Modem Speed	MH, MR, MMR, JBIG
Compression Method	G3: Approx. 2 seconds/page (w/JBIG compression)
Transmission Speed	G3: Approx. 3 seconds/page (w/MMR compression)

Scan Speed	40 pages/minute (Standard Mode) 38 pages/minute (Detail Mode) 20 pages/minute (Super Fine Mode) 2,000 Quick Dials, 100 Group Dials (200 locations each)
Auto Dialing	
Memory Capacity	4 MB (approx. 320 pages); Maximum 28 MB (2,240 pages)
Additional Modes	Internet Fax (T.37), IP Fax (T.38), LAN Fax, Fax Forward to E-mail/Folder, LDAP Support, Detection of Misplaced Documents & Double Check Destination
Options	Handset Type 1018, Memory Unit Type B 32MB (SAF Memory)

\*Fax is standard on the MP C2050SPF and MP C2550SPF models.

### Hardware Accessories

<b>Paper Feed Unit (PB3070)<sup>1</sup></b>	
Paper Capacity	500 sheets x 1 Tray
Paper Sizes	7.25" x 10.5" to 11" x 17"
Paper Weights	16 - 28 lb. Bond (60 - 105 g/m <sup>2</sup> )
Dimensions (WxDxH)	21.7" x 20.5" x 5.4" (550 x 520 x 137 mm)
The Caster Table is required with the 500 x 1 Paper Feed Unit (PB3070).	
<b>Paper Feed Unit (PB3030)<sup>1</sup></b>	
Paper Capacity	500 sheets x 2 Trays
Paper Sizes	7.25" x 10.5" to 11" x 17"
Paper Weights	16 - 28 lb. Bond (60 - 105 g/m <sup>2</sup> )
Dimensions (WxDxH)	21.7" x 20.5" x 10.7" (550 x 520 x 271 mm)

### Cabinet Type FAC43<sup>1</sup>

<b>Internal 500-Sheet Finisher Type C2550</b>	
Paper Sizes	5.5" x 8.5" to 12" x 18"
Paper Weights	14 - 34 lb. Bond (52 - 128 g/m <sup>2</sup> )
Stack Capacity	500 sheets (8.5" x 11") 250 sheets (8.5" x 14" or larger) 50 sheets (8.5" x 14") 30 sheets (8.5" x 14" or larger)
Staple Capacity	7.25" x 10.5" to 11" x 17"
Staple Paper Sizes	Landscape - Top Left Corner, Bottom Left Corner, 2-Top Sided, and 2-Left Sided; Portrait - Top Left Corner, Bottom Left Corner, 2-Top Sided, and 2-Left Sided
Staple Positions	
Dimensions (WxDxH)	21.1" x 20.7" x 8.1" (535 x 525 x 205 mm)

2/3-Hole Punch Unit Option (PU3010NA) available for Internal Finisher.

### Internal Shift-Sort Tray (SH3030)

Paper Sizes	5.5" x 8.5" to 12" x 18"
Paper Capacity	250 sheets
Paper Weights	14 - 67 lb. Bond/140 lb. Index (52 - 256 g/m <sup>2</sup> )
Dimensions (WxDxH)	16.9" x 18.8" x 4.2" (431 x 477.5 x 107 mm)

Internal Shift-Sort and/or Inner One-Bin Tray cannot be installed with 500-Sheet Internal Finisher.

### Inner One-Bin Tray (BN3060)

Paper Sizes	5.5" x 8.5" to 11" x 17"
Bin Capacity	100 sheets
Paper Weights	16 - 28 lb. Bond (60 - 105 g/m <sup>2</sup> )
Dimensions (WxDxH)	16.9" x 19.6" x 4.4" (429 x 497 x 113 mm)

### Side Tray Type C2550

Paper Capacity	50 sheets
Paper Sizes	5.5" x 8.5" to 11" x 17"
Paper Weights	16 - 28 lb. Bond (60 - 105 g/m <sup>2</sup> )
Dimensions (WxDxH)	18.9" x 18.9" x 6.7" (480 x 480 x 170 mm)

<sup>1</sup>Please note either the Cabinet Stand or one of the paper options must be installed.

### Additional Accessories

Caster Table Type B, PostScript3 Unit Type C2550, Camera Direct Print Card Type E, JAVA VM Card Type I, Key Counter Bracket Type H, File Format Converter Type E, Optional Counter Interface Unit Type A, USB 2.0/SD Slot Type A, 512 MB Memory Unit Type I.

### Consumables\*

Black Toner Cartridge: 10K  
Cyan, Magenta, & Yellow: 5.5K  
\*Toner yields based on 5% coverage.

For maximum performance and yield, we recommend using genuine Ricoh parts and supplies.

# RICOH

[www.ricoh-usa.com](http://www.ricoh-usa.com)

Bringing Ricoh Value to Your Organization

Ricoh technology offers a diverse portfolio of solutions to help your organization stay competitive and move ahead. Let Ricoh show you how to empower your business to improve critical processes, keep information secure, ensure compliance and promote environmental sustainability while reducing the total cost of ownership.

Printed in U.S.A. on recycled paper because Ricoh cares.

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