



KONICA MINOLTA

Giving Shape to Ideas

bizhub i-SERIES
CONNECTING
TOMORROW'S
WORKPLACE
TODAY
RETHINK IT

bizhub

C650i Colour 65 PPM | BW 65 PPM

C550i Colour 55 PPM | BW 55 PPM

C450i Colour 45 PPM | BW 45 PPM

A3 Colour Multifunctional Printers

i-SERIES SIMPLE SIMPLIFYING WORK

The User Interface has been completely revamped with an operation panel screen with smart-device-style operability. Operation has been simplified by narrowing down functions and screen transitions to frequently-used functions.

Easy-to-use, new operation panel design

The operation panel features a new simple GUI (Graphical User Interface) design. Features including no hard keys and panel vibration feedback reflect familiar smart devices and enable easy use of a variety of IT services. Simplicity of operation has been achieved by concentrating on frequently-used functions to minimise functions and screen transitions.



Switchable GUI operation panel with a choice of two panel styles

The user can switch between two panel styles as required: the new GUI Basic Style characterised by simple operation, and the conventional Classic Style utilising advanced settings and functions.

User friendly, large 10.1-inch touch panel

The 10.1 inch panel has been newly developed from the customer's perspective. It delivers better legibility and ease of operation for enhanced work efficiency. The multi-touch feature enables smooth, intuitive tablet-like operation.



Panel vibration assists operation

Touching the panel triggers vibration feedback, assisting panel operation by users who are visually impaired.

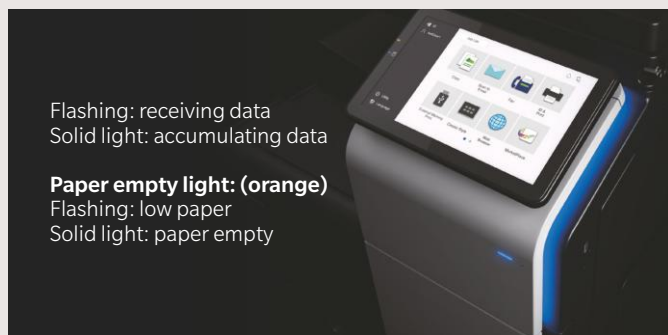
Adjustable tilt operation panel

The operation panel can be freely tilted to a maximum 90° to suit individual panel users. Movement is stiffer when tilting backwards, to accommodate touch panel use, while it can be smoothly adjusted with light pressure when tilting forward.



Indicator lights

bizhub C650i series has adopted new LED lights that gently harmonise with the office environment. The LEDs are located in front of the MFP. Data light indicates data receipt or accumulation, and print light reminds users to collect the document from output tray.



Encrypted SSD

bizhub C650i series adopts a new 256GB encrypted SSD for heightened security functions. With very few device compatibility problems, and with full-time encryption, this constantly maintains a high level of security with no fuss.

Secure printing

By setting a password for documents on the printer driver screen, the document is stored on the unit's SSD until the same password is input into the unit's operation panel. The document is protected without being output until the password set for that document is matched. This is useful when you wish to output a vital document or give permission for limited users to receive copies.

Various types of user authentication

Optimal authentication systems can be customised to suit office scale and pre-existing systems. bizhub C650i series also supports Single Sign-On (SSO) which enhances operability without sacrificing security.

Main unit authentication

Authentication can be performed through the bizhub alone. It is also possible to set detailed usage restrictions for functions, including copy, print, scan and fax*.

*Requires Fax Kit FK-514 option.

Non-contact IC card authentication

Non-contact IC cards^{*1} such as FeliCa can be used to authenticate users^{*2}. This also supports SSFC (Shared Security Formats Cooperation) specifications which enable integration of staff authentication with authentication systems. Apart from non-contact IC cards, authentication can also be carried out on NFC-compatible Android devices^{*3}.



*1 Non-contact IC cards are compatible with FeliCa (IDm), SSFC, FCF, FCF (Campus) and MIFARE (UID).

*2 Requires the IC card authentication device AU-201S option.

*3 Requires an Android device later than Android 4.4, compatible with HCE (Post Card Emulation), and Konica Minolta Mobile Print.

Biometric authentication

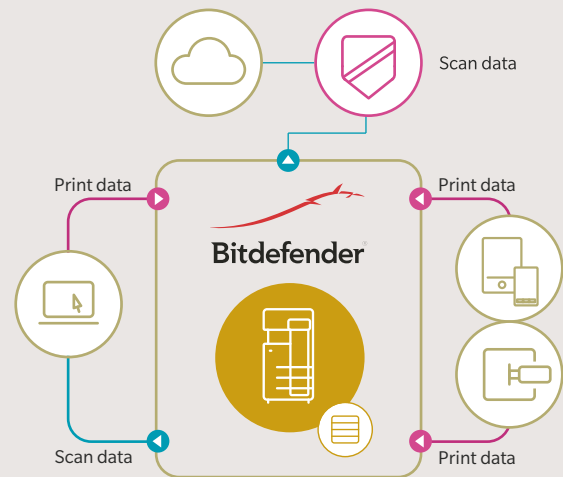
Highly accurate authentication is possible using finger veins. It's easy, and also enables the building of high-level security systems.

*Requires Biometric Authentication Device AU-102 option, and Working Table WT-506 option.

Virus scanning

bizhub C650i series is equipped with robust antivirus software based on an embedded BitDefender scan engine to ensure safe connection to the MFP by the cloud, and to devices including PCs, tablets, and USB flash drives. Scanning individual files means much finer virus detection than with the whitelist method alone. Latent viruses in the office are discovered through checking and notifying when files are input. Checking when files are output from the MFP also prevents dissemination of infected files. Further periodic checking of files in the MFP discovers risky files and detects latent risks in the MFP. Real time virus scan jobs are available for print, scan and fax functions, while manual or scheduled virus scans are possible for Box and SSD such as SMB folders.

*Requires i-Option LK-116.

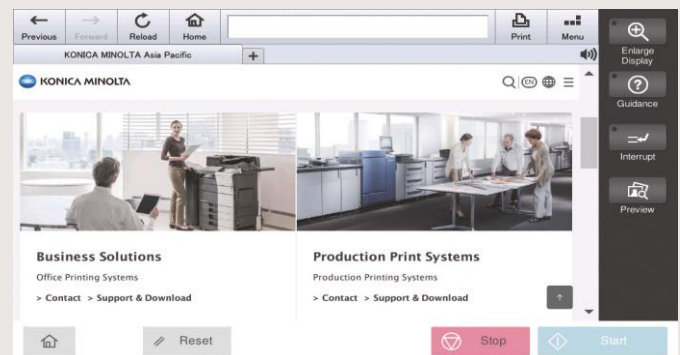


Animated guide

The animated guide demonstrates procedures such as handling paper jams and replenishing consumables. Following the instructions displayed on the operation panel ensures smooth operation.

Web browser function

bizhub C650i series supports a web browser function. Websites can be displayed on the operation panel and printed out. Pages in PDF files on the website can be specified and only the required sections printed. This is very handy, allowing easy printing such as of destination maps from the site.



High-performance quad-core CPU

A high performance Cortex A72 CPU Quad Core 1.6 GHz CPU improves overall system performance. The extra CPU cores mean efficient parallel processing of applications, and seamless operation of cloud applications even during basic MFP's processing functions such as copying and printing.

Shorter warm-up time

The warm-up time, from powering up to printing is kept within 17 seconds. First Copy Out Time, from when the copy button is pressed until the first copy prints, is 3.8 seconds or less. Panel reset time has also shortened greatly to about 1.2 seconds.

COPY / PRINT

Equipped with advanced functions for colour MFPs, both Copy and Print functions exhibit outstanding performance.

A wide range of paper feed options

Paper stack capacity for the standard main unit tray and multi manual feed is 1,150 sheets. Installing optional paper stack cabinets enables a maximum of 3,650 sheets. Further installing a large capacity paper stack unit achieves a maximum volume of 6,650 sheets*. Reducing paper tray refill frequency cuts downtime.

*When the paper stack cabinet PC-416 option and the large capacity paper stack unit LU-302 option are installed.

Multifunctional finisher

Depending on the objective, users can select four types of finish that are automatically processed by the multifunctional finisher, including booklet making, tri-folding, stapling and hole-punching. In addition to high-speed output, this function allows in-house production of a variety of outputs and finishes.

Paper feed and manual feed trays

bizhub C650i series' first level and second level (standard) paper trays can both handle irregular-sized paper, enabling set up of a wider range of paper.

Enhanced 1,200 dpi resolution

bizhub C650i series achieves a 1,200 dpi print resolution with superb ability to reproduce small font sizes and fine lines. Such faithful reproduction capability improves document legibility and produces beautiful, high-quality printouts.

Banner print function

Using the optional Banner Paper Guide enables banner printing up to 1,200 mm. This is ideal for creating POP or banners.

*Installation of the MK-730 Banner Paper Guide option is recommended.

Standard USB port

A USB port is standard equipment, located on the side of the main unit's operation panel. After inserting a USB flash drive, printing procedures pop up in the touch screen, and the flash drive data can be directly printed or saved to a box in the unit with a few easy steps.

* May not operate correctly depending on the type of USB flash drive.

* Supported file formats: PDF, compact PDF, JPEG, TIFF, XPS, compact XPS, and OOXML (.docx/.xlsx/.pptx).

* Printing results may differ from the image on the PC screen.



Email RX Print

Files can be easily printed out by attaching them to an email and sending it to the machine's email address.

*Supported file formats: PDF, Compact PDF, JPEG, TIFF, XPS, Compact XPS, and OOXML (.docx/.xlsx/.pptx). *Requires i-Option LK-110v2.

SCAN

The Scan function delivers high performance and high functionality from speed, quality and distribution to storage.

Outstanding scan performance

Automatic duplex, simultaneous scanning with an Automatic Document Feeder (ADF), achieves high-speed scanning of 200 ppm (100 double-sided sheets per minute). Up to 100 sheets* can be set at any one time, significantly reducing scanning time and effort. The precision of automatic skew correction, which adjusts the angle of the scanned original, has been greatly improved to deliver highly accurate scanning with less skew.

*When equipped with the Automatic Document Feeder DF-714 option. *80gsm paper.

Double feed detection sensor

Applying ultrasonic waves to the original distinguishes a layer of air between each page and detects double feeds. When a double feed is detected, a preview of the original that has already been scanned will be displayed so that the job can be restarted without repeating the whole scanning operation from the beginning.

*When equipped with the optional Automatic Document Feeder DF-714.

Paper Size Measurement function

This function automatically measures irregular-sized paper placed on the platen glass. The size of the measured paper can also be registered in the bizhub's memory. It can be utilised in offices that handle irregular paper sizes like slips and vouchers.

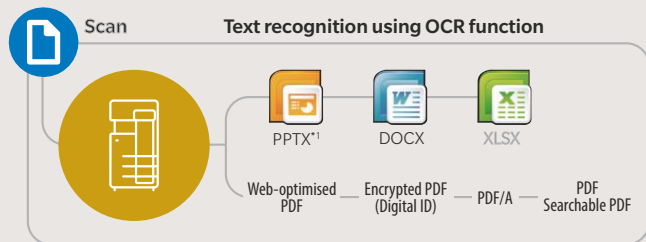
Scan to URL function

Equipped with a Scan to URL function which stores Scan data within the bizhub, then emails the storage destination URL to the user. This enables easy transmission of large volume data that cannot be attached to emails.

Digitisation of paper documents

Documents can be scanned and converted to PDF or OOXML format files. File format can be selected according to the business and intended use, which broadens the scope of secondary use.

Scan to PDF / Scan to OOXML image (with LK-110 v2 installed)



*Applying OCR to a document produces searchable text.

*Microsoft Office etc. enables reuse of images and text.

File conversion formats and required options (i-Option)

	LK-102 v3	LK-105 v4	LK-110 v2
PDF/A (long-term archiving)	✓		✓
Web-optimised PDF (linearised PDF)	✓		✓
Encrypted PDF (digital ID)	✓		✓
Searchable PDF (OCR)		✓	✓
OOXML file (extension: docx/.xlsx/.pptx) conversion			✓ ^{*1}
OOXML file (extension: docx/.xlsx/.pptx) conversion +OCR		✓ ^{*2}	✓

*1 pptx conversion is a standard function, but the OCR function requires either LK-105 v4 or LK-110 v2.

*2 Only compatible with pptx.

MOBILE

Offers a new work style through advanced connectivity with mobile devices.

Mobile communications function

Connectivity with NFC-equipped Android devices

The operation panel has a mobile touch area compatible with NFC-equipped devices. Installing Konica Minolta Mobile Print on Android devices allows that device to be registered to bizhub. Just holding the Android device over the mobile touch area enables the selected file to be printed. Originals set in bizhub can also be scanned and saved to Android devices or cloud storage. Where user authentication is enabled, just holding the Android device nearby allows log in.

*Requires the Android device to be equipped with OS4.4 or later. *Requires a wireless LAN environment.

Bluetooth LE connectivity with iOS devices

Using Bluetooth LE (Low Energy), a bizhub close to the user can be searched and registered with Konica Minolta Mobile Print. As it is also supported with the iOS action button, printing and scan data sharing from various applications can be smoothly executed. Further, where user authentication is enabled, Bluetooth LE can be used to log in.

*Requires the device connection I / F kit EK-609 option. *Requires wireless LAN environment.

Wireless LAN (AP Mode)

bizhub C650i series supports Simple AP Mode*, which easily creates a local wireless LAN environment with only the bizhub allowing a wireless LAN to be built separately from the company LAN. Because it bypasses the company LAN, even mobile devices brought in from outside can be securely connected.

*Requires Upgrade Kit UK-221 option.

ECO FRIENDLY

A range of environmental considerations made, from outer case materials to power consumption.

Adoption of recycled materials

Konica Minolta has further refined our original chemical processing technology, which now uses recycled PC/PET with PCR* ratio increased to about 70% for MFP exterior materials, and recycled ABS resin with a ratio increased to about 95% for interior materials. As a result, use of recycled materials has increased to about 35% as a ratio by weight of the main unit's total resin volume, and up to about 88% as a surface area ratio. Proactive adoption of recycled materials contributes to effective use of resources and promotes corporate environmental protection.

*PCR (Post-Consumer Recycling) ratio: is the proportion of materials collected in the municipality used in recycled materials.

0.5W sleep mode power consumption

Power saving logic has been improved, including turning off the CPU during sleep mode, to reduce sleep mode power consumption to 0.5W. In addition to helping reduce environmental impact, this is also effective in reducing TCO (Total Cost of Ownership).

Wide-ranging environmental compatibility. Compliant with various environmental standards

To address environmental issues such as global warming, our products are compatible with global environmental standards, including the International Energy Star Program which aims to develop and introduce highly energy-efficient office equipment.



The Blue Angel
(Germany)



Green Purchase
(Japan)



Eco Mark
(Japan)



RoHS
Restriction of Hazardous
Substances (EU)



Eco Leaf
(Japan)

DESCRIPTION

ENHANCED FEATURES

LK-102v3 PDF enhancements	PDF/A(1b), PDF encryption, digital signature
LK-105v4 OCR text recognition	Searchable PDF and PPTX
LK-106 Barcode fonts	Supports native barcode printing
LK-107 Unicode fonts	Supports native Unicode printing
LK-108 OCR A and B fonts	Supports native OCR A and B font printing
LK-110v2 Document converter pack	Generates various file formats incl. DOCX, XLSX and PDF/A
LK-111 ThinPrint® client	Print data compression for reduced network impact
LK-115v2 Trusted Platform Module	Trusted Platform Module for protection of data encryption and decryption
LK-116 Antivirus	BitDefender® antivirus provides real time scanning of all incoming and outgoing data
LK-117 FOP activation	Fax over IP networks (T.38), requires fax kit

CONNECTIVITY

FK-514 Fax board	Super G3 fax, digital fax functionality
UK-221 Wireless LAN	Wireless LAN and wireless LAN Access Point Mode
EK-608 USB I/F kit	USB keyboard connection
EK-609 USB I/F kit	USB keyboard connection; Bluetooth
AU-102 Biometric authentication	Finger vein scanner
ID card reader Card authentication	Various ID card technologies
MK-735 Mount kit	Installation kit for ID card reader

OTHERS

WT-506 Working table	Authentication device placement
KP-102 10-Key pad	For use instead of touchscreen
SC-509 Security kit	Copy guard function
EM-908 Replacement SSD	1 TB SSD to increase storage space
KH-102 Keyboard holder	To place USB keyboard

MEDIA INPUT

PC-116 1x Universal tray	550 sheets, A5-A3, 52-256 g/m ²
PC-216 2x Universal tray	2X550 sheets, A5-A3, 52-256 g/m ²
PC-416 Large capacity tray	2,750 sheets, A4, 52-256 g/m ²
PC-417 Large capacity tray	1,650 + 1,100 sheets, A5-A3, 52-256 g/m ²
LU-302 Large capacity tray	3,300 sheets, A4, 52-256 g/m ²
LU-207 Large capacity tray	2,750 sheets, A4-SRA3, 52-256 g/m ²

MEDIA OUTPUT

OF-513 Output tray	Output tray used instead of finisher
FS-539 Staple finisher	50 sheets stapling; 3,200 sheets max. output
FS-539SD Booklet finisher	50 sheets stapling; 20 sheets booklet finisher; 2,200 sheets max. output
PK-524 Punch kit for FS-539/SD	2/4 hole punching; autoswitching
FS-540 Staple finisher	100 sheets stapling; 3,200 sheets max. output
FS-540SD Booklet finisher	100 sheets stapling; 20 sheets booklet finisher; 2,700 sheets max. output
PK-526 Punch kit for FS-540/SD	2/4 hole punching; autoswitching
RU-513 Relay unit	For FS-539/SD or FS-540/SD installation
JS-602 Job separator for FS-540/SD	Separation of fax output; etc.
PI-507 Post inserter for FS-540/SD	Cover insertion; post finishing
ZU-609 Z-fold unit for FS-540/SD	Z-fold for A3 prints

TECHNICAL SPECIFICATIONS

SYSTEM SPECIFICATIONS

System speed A4 (mono/colour)	Up to 65/65 ppm, 55/55ppm, 45/45ppm
System speed A3 (mono/colour)	Up to 32/32 ppm, 27/27ppm, 22/22ppm
Autoduplex speed A4 (mono/colour)	Up to 65/65 ppm, 55/55ppm, 45/45ppm
1st page out time A4 (mono/colour)	2.8/3.8 sec., 3.3/4.3 sec., 3.8/5.0 sec.
Warm-up time (mono/colour) ¹	Approx. 15/17 sec.
Imaging technology	Laser
Toner technology	Simitri® HD polymerised toner
Panel size/resolution	10.1" / 1024 x 600
System memory	8,192 MB (standard/max)
System hard drive	256 GB SSD (standard)
Interface	10/100/1,000-Base-T Ethernet; USB 2.0; Wi-Fi 802.11 b/g/n/ac (optional)
Network protocols	TCP/IP (IPv4 / IPv6); SMB; LPD; IPP; SNMP; HTTPS; Bonjour
Automatic document feeder	Up to 300 originals; A6-A3; 35-210 g/m ² ; Dualscan ADF
ADF double feed detection	Standard
Printable paper size	A6-SRA3; customized paper sizes; banner paper max. 1,200 x 297 mm
Printable paper weight	52-300 g/m ²
Paper input capacity	1,250 sheets / 7,300 sheets (standard/max)
Paper tray input (standard)	1x 550, A6-A4, custom sizes; 52-256 g/m ² ; 1x 550, A6-SRA3, custom sizes, 52-256 g/m ²
Paper tray input (optional)	1x 550 sheets, A5-A3, 52-256 g/m ² ; 2x 550 sheets, A5-A3, 52-256 g/m ² ; 1x 2750 sheets; A4; 52-256 g/m ² ; 1x 2750 sheets; A4; 52-256 g/m ²
Large capacity tray (optional)	1x 3,300; A4; 52-256 g/m ² ; 1x 2,750; A4-SRA3; custom sizes; banner; 60-300 g/m ²
Manual bypass	150 sheets; A6-SRA3; custom sizes; banner; 60-300 g/m ²
Finishing modes (optional)	Offset; Group; Sort; Staple; Staple (offline); Punch; Half-fold; Letter-fold; Booklet; Post insertion; Z-fold
Automatic duplexing	A6-SRA3; 52-256 g/m ²
Output capacity	Up to 250 sheets / up to 3,300 sheets (standard/max)
Stapling	Max. 100 sheets or 98 sheets + 2 cover sheets (up to 300 g/m ²)
Stapling output capacity	Max. 200 sets
Letter fold	Max. 3 sheets
Letter fold capacity	Max. 50 sets; unlimited (without tray)

SYSTEM SPECIFICATIONS

Booklet	Max. 20 sheets or 19 sheets + 1 cover sheet (up to 300 g/m ²)
Booklet output capacity	Max. 35 booklets; unlimited (without tray)
Power consumption	220-240 V / 50/60 Hz; Less than 2.00 kW
System dimension (W x D x H)	615 x 688 x 961 mm (without options)
System weight	Approx. 100.0 kg (without options)

¹ Tray Capacity is calculated on 70 GSM Media

PRINTER SPECIFICATIONS

Print resolution	1,800 (equivalent) x 600 dpi; 1200 x 1200 dpi
Page description language	PCL 6 (XL3.0); PCL 5c; PostScript 3 (CPSI 3016); XPS
Operating systems	Windows 7 (32/64); Windows 8.1 (32/64); Windows 10 (32/64); Windows Server 2008 (32/64); Windows Server 2008 R2; Windows Server 2012; Windows Server 2012 R2; Windows Server 2016; Windows Server 2019; Macintosh OS X 10.10 or later; Unix; Linux; Citrix
Printer fonts	80 PCL Latin; 137 PostScript 3 Emulation Latin
Mobile printing	AirPrint (iOS); Mopria (Android); Konica Minolta Print Service (Android); Konica Minolta Mobile Print (iOS/Android/Windows 10 Mobile) optional; Google Cloud Print; WiFi Direct

SCANNER SPECIFICATIONS

Scan speed	Up to 140/140 ipm in simplex (mono/colour) Up to 280/280 ipm in duplex (mono/colour)
Scan resolution	Up to 600 x 600 dpi
Scan modes	Scan-to-eMail (Scan-to-Me); Scan-to-SMB (Scan-to-Home); Scan-to-FTP; Scan-to-Box; Scan-to-USB; Scan-to-WebDAV; Scan-to-DPWS; Scan-to-URL; TWAIN scan
File formats	JPEG; TIFF; PDF; Compact PDF; Encrypted PDF; XPS; Compact XPS; PPTX optional; Searchable PDF; PDF/A 1a and 1b; Searchable DOCX/PPTX/XLSX
Scan destinations	2,000 destinations + 100 groups; LDAP support

COPIER SPECIFICATIONS

Copy resolution	600 x 600 dpi
Gradation	256 gradations
Multicopy	1-9,999
Original format	Max. A3
Magnification	25-400% in 0.1% steps; Auto-zooming

FAX SPECIFICATIONS

Fax standard	Super G3 (optional)
Fax transmission	AnaLogue; i-Fax; Colour i-Fax; IP-Fax
Fax resolution	Up to 600 x 600 dpi
Fax compression	MH; MR; MMR; JBIG
Fax modem	Up to 33.6 Kbps
Fax destinations	2,000 single + 100 groups

USER BOX SPECIFICATIONS

Storable documents	Up to 3,000 documents or 10,000 pages
Type of user boxes	Public; Personal (with password or authentication); Group (with authentication)
Type of system boxes	Secure print; Encrypted PDF print; Fax receipt; Fax polling

SYSTEM FEATURES

Security	ISO 15408 HCD-PP Common Criteria (in evaluation); IP filtering and port blocking; SSL3 and TLS1.0/1.1/1.2 network communication; IPsec support; IEEE 802.1x support; User authentication; Authentication log; Secure print; Kerberos; Hard drive overwrite; Hard drive data encryption (AES 256); Confidential fax; Print user data encryption optional; Antivirus realtime scanning (BitDefender®); Copy protection (Copy Guard, Password Copy)
Accounting	Up to 1,000 user accounts; Active Directory support (user name + password + e-mail + smb folder); User function access definition; Authentication by mobile device (Android) optional; Biometric authentication (finger vein scanner); ID card authentication (ID card reader); Authentication by mobile device (iOS)
Software	Net Care Device Manager; Data Administrator; Box Operator; Web Connection; Print Status Notifier; Driver Packaging Utility; Log Management Utility

¹ Warm-up time may vary depending on the operating environment and usage

- All specifications refer to A4-size paper of 80 g/m² quality.
- The support and availability of the listed specifications and functionalities varies depending on operating systems, applications and network protocols as well as network and system configurations.
- Some of the product illustrations contain optional accessories.

- Specifications and accessories are based on the information available at the time of printing and are subject to change without notice.
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bizhub C650i / C550i / C450i

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<http://www.bt.konicaminolta.in>

Requirements for safe use

- Please read and follow the instruction manual to ensure safe operation.
- Only operate using appropriate power supply and voltage.
- Connecting the earth wire to an inappropriate place may cause explosion or electric shock. Please connect accordingly (Taiwan and the Philippines only).



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