Always from your point of view

Usability & Accessibility Guide
Always from your point of view

User-centered design

We wish to contribute to the business of customers by offering user-friendly document devices and services to as many people as possible.

We develop products based on the user-centered design process in order to deeply understand each customer and offer better products and services. This process consists of survey, planning, design, and evaluation. The repetition of this process allows us to identify challenges, including slight dissatisfaction that customers feel and concerns that customers have not noticed yet. This is a product development approach that implements improvements from various perspectives.

Through this activity, we promote the development of products that meet the needs of more customers.

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<th>Survey</th>
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<td>Information about the usage and use problems of document devices is collected from sales and market support sites, call centers, and customer surveys, and is analyzed to identify and prioritize challenges to be solved.</td>
<td>Planners, designers, and engineers discuss the challenges identified through surveys, to find the ideal products and their implementation methods. Experts in various fields engage in discussions depending on the theme of the challenge.</td>
<td>To commercialize the planned products, development team members, including designers and engineers, work together on product design. Furthermore, the designed products are reviewed based on user friendliness guidelines and check lists to bring them to perfection.</td>
<td>Simulation and product evaluation are carried out to verify if targets are achieved and new challenges are not caused. Customers and in-house monitors also participate in this verification. If there are problems, the product goes through the previous steps for reexamination.</td>
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This document presents various accessibility examples of our product. Features with special attention to vision, hearing, physical function, and recognition are indicated by the following icons.

**Vision**

Indicated with this icon are features with special attention to users under various visual conditions, including myopia, hyperopia, color amblyopia, amblyopia, and blindness.

**Hearing**

Indicated with this icon are features with special attention to users with hearing difficulty or hearing loss.

**Physical function**

Indicated with this icon are features with special attention to users of different body sizes, users with upper or lower limb disorders, and users with muscle weakness.

**Recognition**

Indicated with this icon are features with special attention to users who are not familiar with the operation of devices or users who have difficulty in multiple operations or literacy.

Our product does not provide accessibility to all people. Only the features with special attention to the users explained above are indicated by these icons. We will continue to make improvements to serve the convenience of more users.
Operation panel

Large touch screen

Fonts and icons are displayed in large size on the large full-color touch screen. Furthermore, the finished quality and image of scanned document data and the image of saved print data can be previewed. Checking before printing ensures accurate operation.

Scalable view

The setting screen has a simple configuration with large fonts and buttons. Most setting operations can be carried out using the hard key numeric keypad only, so even users who are not familiar with the touch panel can operate the MFP easily. The heights of important letters are set to 4.8 mm or more.

Intuitive & tablet-like operability

Users can flick on the home screen, pinch on the preview screen, and display the soft key numeric keypad when necessary, just like when intuitively operating a smartphone or tablet device.

*In case the hard key numeric keypad is optional.
Tiltable operation panel

The operation panel is adjustable to an easily viewable angle. Users in wheelchairs and short-statured users can operate it at an optimal angle. This feature can reduce the glare of fluorescent light in the installation environment.

Mobile accessibility

Users can use smartphone or tablet device to control the MFP. Remote operation and without using the operation panel of the MFP can offer greater control flexibility.

Remote device setting

With the embedded server, the administrator can remotely track paper and toner usages per user and the status of optional equipment installed. The embedded server also configures device settings, monitors jobs, and manages document boxes and address books.
Easy-to-read operation panel

The operation panel has a high contrast between the black background and the white letters in order to highlight letters.

Embossed marks

The Start key, the Stop key, and the "5" key on the numeric keypad have an embossed dot or bar mark to allow tactile recognition.

Wide visibility operation panel

The operation panel is placed in a position easily viewable and usable for users in wheelchairs and short-statured users.

*TASKalfa 6053ci / 5053ci / 4053ci / 3553ci / 3253ci / 2553ci / 6003i / 5003i / 4003i
6052ci / 5052ci / 4052ci / 3552ci / 3252ci / 2552ci / 6002i / 5002i / 4002i
Automatic reset time change

Users can change the automatic reset time and deactivate the automatic reset function. These features help users to operate the MFP slowly.

Optional shortcuts

Users can register shortcuts of frequently used functions and addresses to display them on the home screen. Users also can add business application icons on the screen.
Animated operation guidance

Users do not need to memorize the procedures for clearing paper jams and replacing consumable items (toner and paper). The animated guidance is displayed on the operation panel, so users can follow the guidance to carry out each operation smoothly.

Multi language support

Users can change the language for the operation panel anytime.

Help screen

Help guidance for device operation makes the navigation easy to follow.
Paper drawer

Smooth sliding

Users can open and close the paper drawer with just a slight force. Furthermore, the semi-auto-closing paper drawer does not need to be pushed to the end. The paper guide can be adjusted with a slight force by one hand.

Easy-grip handle

A grip handle is adopted for the paper drawer for easy handling with either an overhand grip or underhand grip. Users can carry out paper replacement from a posture that allows easy operation.

Automatic paper size detection

The paper size is automatically detected according to the paper guide. This prevents setting errors.
Toner container

Toner locking system

When a toner becomes empty, only the toner container cover automatically opens. This allows accurate and easy replacement of the toner container.

Color name code indication

To distinguish toner colors, the color codes are attached to each container and insertion slot.

Easy-to-operate toner insertion position

The toner containers are located in a position to facilitate easy replacement.
Wide visibility document size indicator

The document size indicator is tilted so that a user in a wheelchair can set documents easily.

LED for document processor status

The document processor is equipped with an LED lamp to check the operating conditions.

Highly visible document output tray

The document output tray is colored black. This highlights the contrast with the documents, increasing the visibility of ejected documents. Furthermore, the tray is shaped so that documents can be removed easily.
Blank page skip

If blank pages are included in documents, they are automatically skipped for scanning. This function eliminates the need to delete blank pages after scanning.

Output tray

Highly visible paper output tray

The paper output tray is colored black. This highlights the contrast with the papers, increasing the visibility of papers. Furthermore, the tray is shaped so that papers can be removed easily.
Other operation areas

Distinguishable color arrangement

Not only the operation panel, but also the other operation areas, the labels, etc. are color-coded so that the user can easily distinguish these from the surrounding areas.

Marked operation parts

The operation parts are color-coded and marked with alphabetical symbols to enhance their visibility.
Notification light & sound

LED for device status

An LED notification lamp is equipped with a MFP that allows the user to visually check the operating conditions away from the MFP. This lamp helps users with hearing difficulties to recognize the “paper empty” and other problems.

Easy-to see notifications

The color of the LED lamp is designed in consideration of different color visions.

Easy-to hear notifications

The notification sound patterns are adopted so that elders and visually impaired users can also check if the MFP is operating normally.

Sound volume adjustment

The notification sound levels are adjustable to the operating environment and the user’s condition.

Other optional features

IC card authentication

An IC card can be used for management when using MFPs without entering the user name and password. This also allows users who are not familiar with the use of the operation panel to conduct authentication easily.

Document tray

The document tray can be used as a work table for organizing documents and print-outs and as a space for placing documents on temporarily.