



User Guide Security Reference

For RICOH Pro C5300S/C5310S series



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For information not found in this manual, see the online manuals available on our web site (<https://www.ricoh.com/>) or via the control panel.

How to Read (Other than [Settings])

Understanding headers

- User
The user administrator has privileges for this operation.
- Mach
The machine administrator has privileges for this operation.
- N/W
The network administrator has privileges for this operation.
- File
The file administrator has privileges for this operation.
- Unset
The logged in user has privileges for this operation.
In cases where no settings are selected in [Available Settings] of [Administrator Authentication Management].
- Set
The logged in user has privileges for this operation.
Status when settings are selected in [Available Settings] of [Administrator Authentication Management].
- Lv.1
In cases where the [Menu Protect] setting is set to [Level 1].
- Lv.2
In cases where the [Menu Protect] setting is set to [Level 2].

Understanding the symbols

R/W: Executing, changing, and reading possible.

R: Reading is possible.

-: Executing, changing, and reading are not possible.

List of Operation Privileges for Stored Files

Understanding headers

- Read
Users assigned with read privileges.
- Edit
Users assigned with editing privileges.
- E/D
Users assigned with edit/delete privileges.
- Full
Users assigned with full control privileges.
- Owner
Indicates either the user who registered a document or a user specified as the owner.
- File
Indicates the file administrator.

Understanding the symbols

R/W: Can execute

–: Cannot execute

| Settings | Read | Edit | E/D | Full | Owner | File |
|---|------|------|-----|------|-------------------|------|
| [To Printing Screen] | R/W | R/W | R/W | R/W | R/W | – |
| [Details] | R/W | R/W | R/W | R/W | R/W | R/W |
| [Preview] | R/W | R/W | R/W | R/W | R/W | – |
| [Change Access Priv.]: [Owner] | – | – | – | – | – | R/W |
| [Change Access Priv.]: [Permissions for Users/Groups] | – | – | – | R/W | R/W ^{*1} | R/W |

| | | | | | | |
|------------------------|-----|-----|-----|-----|-------------------|-----|
| [Change File Name] | – | R/W | R/W | R/W | R/W ^{*1} | – |
| [Change Password] | – | – | – | – | R/W | R/W |
| [Unlock Files] | – | – | – | – | – | R/W |
| [Delete File] | – | – | R/W | R/W | R/W ^{*1} | R/W |
| [Print Specified Page] | R/W | R/W | R/W | R/W | R/W ^{*1} | – |

*1 The owner can change operation privileges.

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List of Operation Privileges for Address Books

Understanding headers

- Read
Users assigned with read privileges.
- Edit
Users assigned with editing privileges.
- E/D
Users assigned with edit/delete privileges.
- Full
Users assigned with full control privileges.
- Entry
Indicates a user whose personal information is registered in the Address Book. Also, it indicates any user who knows his or her user login name and password.
- User
Indicates the user administrator.

Understanding the symbols

R/W: Executing, changing, and reading are possible.

R: Reading is possible.

–: Executing, changing, and reading are not possible.

[Name]

| Settings | Read | Edit | E/D | Full | Entry | User |
|-----------|------|------|-----|------|-------|------|
| All items | R | R/W | R/W | R/W | R/W | R/W |

[Destinations]

[Fax]

| Settings | Read | Edit | E/D | Full | Entry | User |
|-----------|------|------|-----|------|-------|------|
| All items | R | R/W | R/W | R/W | R/W | R/W |

[Email Address]

| Settings | Read | Edit | E/D | Full | Entry | User |
|----------------------------|------|------|-----|------|-------------------|-------------------|
| [Email Address] | R | R/W | R/W | R/W | R/W | R/W |
| [Use as Sender] | R | R/W | R/W | R/W | R/W | R/W |
| [Send via SMTP Server] | R | R/W | R/W | R/W | R/W | R/W |
| [SMTP Authentication Info] | – | – | – | – | R/W ^{*1} | R/W ^{*1} |
| [Use Email Address As] | R | R/W | R/W | R/W | R/W | R/W |

*1 Passwords cannot be read.

[Folder]

| Settings | Read | Edit | E/D | Full | Entry | User |
|-----------|------|-------------------|-------------------|-------------------|-------------------|-------------------|
| All items | R | R/W ^{*2} | R/W ^{*2} | R/W ^{*2} | R/W ^{*2} | R/W ^{*2} |

*2 The Login Password for [Folder Authentication Info] cannot be read.

[User Management / Others][User Management]

| Settings | Read | Edit | E/D | Full | Entry | User |
|-------------------|------|------|-----|------|-------|------|
| [Login User Name] | – | – | – | – | R | R/W |

| | | | | | | |
|--------------------------------------|---|---|---|-----|-----------|-----------|
| [Login Password] | - | - | - | - | R/W *1 | R/W *1 |
| [User Code] | - | - | - | - | - | R/W |
| [LDAP Authentication Info] | - | - | - | - | R/W *1 | R/W *1 |
| [Available Functions / Applications] | - | - | - | - | R | R/W |
| [Print Vol. Use Limitation] | - | - | - | - | R | R/W |
| [Access Privileges for Destination] | - | - | - | R/W | R/W | R/W |
| [Access Privileges for Stored Files] | - | - | - | R/W | R/W | R/W |

*1 Passwords cannot be read.

[Registration Destination Group]

| Settings | Read | Edit | E/D | Full | Entry | User |
|----------------|------|------|-----|------|-------|------|
| [Select Group] | R | R/W | R/W | R/W | R/W | R/W |
| [Delete] | - | - | - | R/W | R/W | R/W |

[Display Priority]

| Settings | Read | Edit | E/D | Full | Entry | User |
|--------------------|------|------|-----|------|-------|------|
| [Display Priority] | R | R/W | R/W | R/W | R/W | R/W |

[Destination Protection]

| Settings | Read | Edit | E/D | Full | Entry | User |
|-------------------|------|------|-----|-------------------|-------------------|-------------------|
| [Protect] | – | R/W | R/W | R/W | R/W | R/W |
| [Protection Code] | – | – | – | R/W ^{*3} | R/W ^{*3} | R/W ^{*3} |

*3 The code for [Protection Code] cannot be read.

 Note

- In the following items, when [Restrict Adding of User Destinations (Fax)] and/or [Restrict Adding of User Destinations (Scanner)] is set to [On], regardless of a user's operation privileges, only the user administrator can access the Address Book.
[Security] ► [Extended Security Settings]

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Web Image Monitor: Address Book

These settings are in [Device Management].

When administrator authentication is set, the restrictions to user operations differ depending on the [Available Settings] setting.

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-----------|-----------|
| [Add User] | R/W | – | – | – | R/W *1 | R/W *1 |
| [Change] | R/W | – | – | – | R/W *1 | R/W *1 |
| [Delete] | R/W | – | – | – | R/W *1 | R/W *1 |
| [Add Group] | R/W | – | – | – | R/W *1 | R/W *1 |
| [Data Carry-over Setting for Address Book Auto-program] | R/W | – | – | – | R/W | R |
| [Maintenance] | R/W | – | – | – | – | – |
| [Central Management] | R/W | – | – | – | – | – |

*1 If you set the machine as follows, when basic authentication is set, each user can only change the password for his or her account.

[Security] ► [Extended Security Settings] ► [Restrict Adding of User Destinations] ► [On]

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System Settings

When administrator authentication is set, the restrictions to user operations differ depending on the configurations in [Available Settings].

[Display/Input]

[Display]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [Brightness] | – | R/W | – | – | R/W | – |
| [Screen Color Setting] | R | R/W | R | R | R/W | R |
| [Display IP Address] | – | R/W | – | – | – | – |
| [Function Priority] | – | R/W | – | – | R/W | – |
| [Select Switchable Languages] | – | R/W | – | – | R/W | – |
| [Measurement Unit] | R | R/W | R | R | R/W | R |
| [Application Display Settings by Function] | – | R/W | – | – | R/W | – |
| [System Bar Settings] | – | R/W | – | – | R/W | – |
| [Home Screen Blank Pages] | R | R/W | R | R | R/W | R |
| [Display Info Screen Automatically] | R | R/W | R | R | R/W | R |

[Key/Keyboard/Input Assistance]

| Settings | User | Mach | N/W | File | Unset | Set |
|------------------------------------|------|------|-----|------|-------|-----|
| [Function Key Settings] | – | R/W | – | – | R/W | – |
| [[Back] Key] | – | R/W | – | – | R/W | – |
| [Personal Dictionary] | – | R/W | – | – | R/W | – |
| [Default Keyboard] | – | R/W | – | – | R/W | – |
| [Switchable Keyboard Settings] | – | R/W | – | – | R/W | – |
| [Register/Change/Delete User Text] | R | R/W | R | R | R/W | R |
| [Key Repeat] | R | R/W | R | R | R/W | R |

[Output Tray]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [Output Tray: Copier] | R | R/W | R | R | R/W | R |
| [Output Tray: Document Server] | R | R/W | R | R | R/W | R |
| [Output Tray: Fax] | R | R/W | R | R | R/W | R |
| [Specify Tray for Lines] | R | R/W | R | R | R/W | R |
| [Output Tray: Printer] | R | R/W | R | R | R/W | R |
| [Output Tray: Printer (Optional Network)] | R | R/W | R | R | R/W | R |
| [Finisher Output Tray Settings] (Only when an optional finisher is installed.) | R | R/W | R | R | R/W | R |

[Machine]**[Print Action/Image Quality Adjustment]**

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-------|-----|
| [Interleave Priority] | R | R/W | R | R | R/W | R |
| [Function Reset Timer] | R | R/W | R | R | R/W | R |
| [Time Interval between Printing Jobs] | R | R/W | R | R | R/W | R |
| [ADF Original Table Elevation] | R | R/W | R | R | R/W | R |
| [ADF Original Double Feed Detection] | R | R/W | R | R | – | – |
| [Interleave Print] | R | R/W | R | R | R/W | R |
| [Allow Logout during Scanning] | R | R/W | R | R | R/W | R |
| [Shift Tray Setting After Paper Misfeed Recovery] | R | R/W | R | R | R/W | R |

[Power/Energy Saving]

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-------|-----|
| [Sleep Mode Entry by Sleep Mode Timer] | R | R/W | R | R | R/W | R |
| [Main Power On by Remote Operation] | R | R/W | R | R | R | R |
| [Energy Saver Key to Change Mode] | R | R/W | R | R | R/W | R |
| [Shift to Main Power-Off When Network Disconnected] | R | R/W | R | R | R/W | R |

| | | | | | | |
|--------------------------------|---|-----|---|---|-----|---|
| [Control Panel Startup Mode] | – | R/W | – | – | R/W | – |
| [Recovery by Wireless Connect] | – | R/W | – | – | R/W | – |

[Silent]

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-------|-----|
| [ADF Operation: Copier / Document Server] | R | R/W | R | R | R/W | R |

[External Device]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------------------------------|------|------|-----|------|-------|-----|
| [Register/Change USB Device List] | R | R/W | R | R | R/W | R |
| [Control Panel SD Card Slot] | – | R/W | – | – | R/W | – |
| [Control Panel USB Memory Slot] | – | R/W | – | – | R/W | – |
| [Allow Media Slots Use] | R | R/W | R | R | R | R |
| [External Keyboard] | R | R/W | R | R | R/W | R |

[@Remote Service]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------|------|------|-----|------|-------|-----|
| [Service Test Call] | – | R/W | – | – | R/W | – |
| [Notify Machine Status] | – | R/W | – | – | R/W | – |

| | | | | | | |
|--|---|-----|---|---|-----|---|
| [Notify Machine Status to Data Server] | – | R/W | – | – | R/W | – |
| [Auto Discovery] | – | R/W | – | – | – | – |

[Notify Machine Status to Data Server]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [Notify Machine Status to Data Server] | – | R/W | – | – | R/W | – |

[Fold/Booklet]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [Z-fold Position] | R | R/W | R | R | R/W | R |
| [Half Fold Position] | R | R/W | R | R | R/W | R |
| [Letter Fold-out Position] (only when Multi-Folding Unit FD4020 is attached to the machine) | R | R/W | R | R | R/W | R |
| [Letter Fold-out Position 1] (only when Multi-Folding Unit FD4010 is attached to the machine) | R | R/W | R | R | R/W | R |
| [Letter Fold-out Position 2] (only when Multi-Folding Unit FD4010 is attached to the machine) | R | R/W | R | R | R/W | R |
| [Letter Fold-in Position] (only when Multi-Folding Unit FD4020 is attached to the machine) | R | R/W | R | R | R/W | R |
| [Letter Fold-in Position 1] | R | R/W | R | R | R/W | R |

| | | | | | | |
|---|---|-----|---|---|-----|---|
| (only when Multi-Folding Unit FD4010 is attached to the machine) | | | | | | |
| [Letter Fold-in Position 2] (only when Multi-Folding Unit FD4010 is attached to the machine) | R | R/W | R | R | R/W | R |
| [Double Parallel Fold Position] (only when Multi-Folding Unit FD4020 is attached to the machine) | R | R/W | R | R | R/W | R |
| [Gate Fold Position] (only when Multi-Folding Unit FD4020 is attached to the machine) | R | R/W | R | R | R/W | R |
| [Number of Sheet Align for Booklet] | R | R/W | R | R | R/W | R |

[Others]

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-------|-----|
| [Central Management] | | | | | | |
| • [Central Address Book Management] | R | R/W | R | R | R | R |
| • [Client Synchronization] ^{*1} | R/W | R/W | R | R | R | R |
| • [Synchronize with Server] ^{*2} | R/W | R/W | R | R | R | R |
| • [Print Volume Use Limitation] ^{*3} | R | R/W | R | R | R | R |
| • [Eco-friendly Counter] ^{*3} | R | R/W | R | R | R | R |
| • [Print Volume Use Limitation If Disconnected] ^{*3} | R | R/W | R | R | R | R |
| [Support Settings] | – | R/W | – | – | R/W | – |
| [Compatible ID] | R | R/W | R | R | R/W | R |

| | | | | | | |
|---------------------------------|---|-----|---|---|-----|---|
| [Fixed USB Port] | R | R/W | R | R | R/W | R |
| [Stop Key to Suspend Print Job] | R | R/W | R | R | R/W | R |
| [Status Indicator] | R | R/W | R | R | R/W | R |

*1 This appears if you use the machine as the server.

*2 This appears if you use the machine as a client.

*3 This appears if you use the machine as the server or a client.

[Date/Time/Timer]

[Date/Time]

| Settings | User | Mach | N/W | File | Unset | Set |
|------------------------|------|------|-----|------|-------|-----|
| [Daylight Saving Time] | R | R/W | R | R | R/W | R |
| [Set Date] | R | R/W | R | R | R/W | R |
| [Set Time] | R | R/W | R | R | R/W | R |
| [Time Zone] | R | R/W | R | R | R/W | R |

[Timer]

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-------|-----|
| [Sleep Mode Timer] | R | R/W | R | R | R/W | R |
| [Low Power Mode Timer] | R | R/W | R | R | R/W | R |
| [Fusing Unit Off Mode (Energy Saving) On/Off] | R | R/W | R | R | R/W | R |

| | | | | | | |
|---|---|-----|---|---|-----|---|
| [System Auto Reset Timer] | R | R/W | R | R | R/W | R |
| [Copier/Document Server Auto Reset Timer] | R | R/W | R | R | R/W | R |
| [Fax Auto Reset Timer] | R | R/W | R | R | R/W | R |
| [Printer Auto Reset Timer] | R | R/W | R | R | R/W | R |
| [Scanner Auto Reset Timer] | R | R/W | R | R | R/W | R |
| [Auto Logout Timer] | R | R/W | R | R | R/W | R |
| [System Status/Job List Display Time] | R | R/W | R | R | R/W | R |
| [Displayed Application Switchover Timer] | – | R/W | – | – | – | – |
| [Weekly Timer Detailed Settings] | R | R/W | R | R | R/W | R |
| [Weekly Timer Easy Settings] | R | R/W | R | R | R/W | R |

[Sound]

| Settings | User | Mach | N/W | File | Unset | Set |
|--------------------------------|------|------|-----|------|-------|-----|
| [Volume] | – | R/W | – | – | R/W | – |
| [Touch/Notification Sound] | – | R/W | – | – | R/W | – |
| [Invalid Operation Sound] | – | R/W | – | – | R/W | – |
| [Operation Completed Sound] | – | R/W | – | – | R/W | – |
| [Copy: Job Done Sound] | – | R/W | – | – | R/W | – |
| [Fax Printing Ended Sound] | – | R/W | – | – | R/W | – |
| [Fax Transmission Ended Sound] | – | R/W | – | – | R/W | – |

| | | | | | | |
|----------------------------------|---|-----|---|---|-----|---|
| [Fax Reception Ended Sound] | – | R/W | – | – | R/W | – |
| [Login Sound] | – | R/W | – | – | R/W | – |
| [Logout Sound] | – | R/W | – | – | R/W | – |
| [Warm-up Sound] | – | R/W | – | – | R/W | – |
| [Auto Reset Sound] | – | R/W | – | – | R/W | – |
| [Caution Sound] | – | R/W | – | – | R/W | – |
| [Copy: Forgot Original Sound] | – | R/W | – | – | R/W | – |
| [Scanner: Forgot Original Sound] | – | R/W | – | – | R/W | – |
| [Fax: Forgot Original Sound] | – | R/W | – | – | R/W | – |
| [Warning Sound] | – | R/W | – | – | R/W | – |
| [Blank Page Detected Sound] | – | R/W | – | – | R/W | – |
| [Adjust Sound Volume (Fax)] | R | R/W | R | R | R/W | R |

[Network/Interface]

[Machine: LAN Type]

| Settings | User | Mach | N/W | File | Unset | Set |
|---------------------|------|------|-----|------|-------|-----|
| [Machine: LAN Type] | R | R | R/W | R | R/W | R |

[Wireless LAN]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------|------|------|-----|------|-------|-----|
|----------|------|------|-----|------|-------|-----|

| | | | | | | |
|--|---|---|-----|---|-----|---|
| [Communication Mode] | R | R | R/W | R | R/W | R |
| [SSID Setting] | R | R | R/W | R | R/W | R |
| [Security Method] | R | R | R/W | R | R/W | R |
| [Wireless LAN Signal Status] | R | R | R | R | R | R |
| [Wireless LAN: Direct Connection] | – | – | R/W | – | R/W | – |
| [Fix SSID] | – | – | R/W | – | R/W | – |
| [Direct Connection Settings] | – | – | R/W | – | R/W | – |
| [Wireless LAN: Easy Setup/Direct Connection] | – | – | R/W | – | R/W | – |
| [Restore Factory Defaults for Wireless LAN Settings] | – | – | R/W | – | R/W | – |

[IP Address (IPv4)]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [IPv4 Address Configuration] ^{*4} | R | R | R/W | R | R/W | R |
| [IPv4 Gateway Address] | R | R | R/W | R | R/W | R |

*4 When [Auto-Obtain (DHCP)] is set, the data is read-only.

[IP Address (IPv6)]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------------------------|------|------|-----|------|-------|-----|
| [IPv6 Address Information] | R | R | R | R | R | R |
| [IPv6 Gateway Address] | R | R | R | R | R | R |

| | | | | | | |
|--|---|---|-----|---|-----|---|
| [IPv6 Stateless Address Autoconfiguration] | R | R | R/W | R | R/W | R |
| [DHCPv6 Configuration] | R | R | R/W | R | R/W | R |

[DNS Configuration]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------------------------------|------|------|-----|------|-------|-----|
| [DNS Configuration] ^{*5} | R | R | R/W | R | R/W | R |

*5 All administrators and users can run [Connection Test].

[DDNS Configuration]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------------------|------|------|-----|------|-------|-----|
| [DDNS Configuration] | R | R | R/W | R | R/W | R |

[WINS Configuration]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------------------|------|------|-----|------|-------|-----|
| [WINS Configuration] | R | R | R/W | R | R/W | R |

[Machine Name]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------|------|------|-----|------|-------|-----|
|----------|------|------|-----|------|-------|-----|

| | | | | | | |
|----------------|---|---|-----|---|-----|---|
| [Machine Name] | R | R | R/W | R | R/W | R |
|----------------|---|---|-----|---|-----|---|

[Host Name]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------|------|------|-----|------|-------|-----|
| [Host Name] | R | R | R/W | R | R/W | R |

[Domain Name Configuration]

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-------|-----|
| [Domain Name Configuration] ^{*4} | R | R | R/W | R | R/W | R |

*4 When [Auto-Obtain (DHCP)] is set, the data is read-only.

[Ethernet Speed]

| Settings | User | Mach | N/W | File | Unset | Set |
|------------------|------|------|-----|------|-------|-----|
| [Ethernet Speed] | R | R | R/W | R | R/W | R |

[Effective Protocol]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------|------|------|-----|------|-------|-----|
|----------|------|------|-----|------|-------|-----|

| | | | | | | |
|----------------------|---|---|-----|---|-----|---|
| [Effective Protocol] | R | R | R/W | R | R/W | R |
|----------------------|---|---|-----|---|-----|---|

[SMB]

| Settings | User | Mach | N/W | File | Unset | Set |
|--------------------------------|------|------|-----|------|-------|-----|
| [SMB Computer Name] | R | R | R/W | R | R/W | R |
| [SMB Work Group] | R | R | R/W | R | R/W | R |
| [SMB Client Advanced Settings] | R | R | R/W | R | R/W | R |

[Permit SNMPv3 Communication]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------------|------|------|-----|------|-------|-----|
| [Permit SNMPv3 Communication] | R | R | R/W | R | R/W | R |

[IEEE 802.1X Authentication]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [IEEE 802.1X Authentication for Ethernet] | R | R | R/W | R | R/W | R |
| [Restore IEEE 802.1X Authentication to Defaults] | – | – | R/W | – | R/W | – |

[Communication Security]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------------------------------|------|------|-----|------|-------|-----|
| [Permit SSL / TLS Communication] | R | R | R/W | R | R/W | R |
| [IPsec] | R | R | R/W | R | R/W | R |

[MLP Network Interface Settings]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------------------------------|------|------|-----|------|-------|-----|
| [MLP Network Interface Settings] | – | – | R/W | – | R/W | – |

[Control Panel: Wireless LAN]

| Settings | User | Mach | N/W | File | Unset | Set |
|--------------------------|------|------|-----|------|-------|-----|
| [Wi-Fi] | – | – | R/W | – | R/W | – |
| [Wireless Direct] | – | R | R/W | – | R/W | R |
| [Group Owner Mode] | – | R | R/W | – | R/W | R |
| [Device Name] | – | R | R/W | – | R/W | R |
| [Connection Password] | – | R | R/W | – | R/W | R |
| [DHCP Server IP Address] | – | R | R/W | – | R/W | R |
| [DHCP IP Address Range] | – | R | R/W | – | R/W | R |
| [Channel] | – | R | R/W | – | R/W | R |
| [SSID Header] | – | R | R/W | – | R/W | R |
| [Available Devices] | – | R/W | R/W | – | R/W | R/W |

| | | | | | | |
|---------------------|---|-----|-----|---|-----|-----|
| [Remembered Groups] | – | R/W | R/W | – | R/W | R/W |
|---------------------|---|-----|-----|---|-----|-----|

[Control Panel: Port Forwarding]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------------------------------|------|------|-----|------|-------|-----|
| [Control Panel: Port Forwarding] | – | – | R/W | – | R/W | – |

[Control Panel: Proxy Settings]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------|------|------|-----|------|-------|-----|
| [Use Proxy] | – | R/W | – | – | R/W | – |
| [Proxy Address] | – | R/W | – | – | R/W | – |
| [Port Number] | – | R/W | – | – | R/W | – |
| [Enable Authentication] | – | R/W | – | – | R/W | – |
| [Login User Name] | – | R/W | – | – | R/W | – |
| [Login Password] | – | R/W | – | – | R/W | – |
| [Proxy Exceptions] | – | R/W | – | – | R/W | – |

[Bluetooth]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------|------|------|-----|------|-------|-----|
| [Bluetooth] | – | R | R/W | – | R/W | R |

| | | | | | | |
|----------------------------------|---|-----|-----|---|-----|-----|
| [Name and Discoverable Settings] | – | R | R | – | R | R |
| [Available Devices] | – | R/W | R/W | – | R/W | R/W |
| [Paired Devices] | – | R/W | R/W | – | R/W | R/W |

[External Interface Software Settings]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [External Interface Software Settings] | – | R/W | – | – | R/W | – |

[Ping Command]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------------|------|------|-----|------|-------|-----|
| [Ping Command] | – | – | R/W | – | R/W | – |

[Parallel Interface]

| Settings | User | Mach | N/W | File | Unset | Set |
|--------------------------------|------|------|-----|------|-------|-----|
| [Parallel Timing] | R | R/W | R | R | R/W | R |
| [Parallel Communication Speed] | R | R/W | R | R | R/W | R |
| [Selection Signal Status] | R | R/W | R | R | R/W | R |
| [Input Prime] | R | R/W | R | R | R/W | R |
| [Bidirectional Communication] | R | R/W | R | R | R/W | R |

| | | | | | | |
|------------------|---|-----|---|---|-----|---|
| [Signal Control] | R | R/W | R | R | R/W | R |
|------------------|---|-----|---|---|-----|---|

[USB Port]

| Settings | User | Mach | N/W | File | Unset | Set |
|------------|------|------|-----|------|-------|-----|
| [USB Port] | – | R/W | – | – | R/W | – |

[USB Speed]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------|------|------|-----|------|-------|-----|
| [USB Speed] | – | R/W | – | – | R/W | – |

[DIPRINT Timeout Period]

| Settings | User | Mach | N/W | File | Unset | Set |
|--------------------------|------|------|-----|------|-------|-----|
| [DIPRINT Timeout Period] | R | R | R/W | R | R/W | R |

[Unconnected Network Instruction Screen]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [Unconnected Network Instruction Screen] | – | – | R/W | – | R/W | R |

[Print List]

| Settings | User | Mach | N/W | File | Unset | Set |
|--------------|------|------|-----|------|-------|-----|
| [Print List] | – | – | R/W | – | R/W | – |

[Restore Factory Defaults for Network/Interface Settings]

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-------|-----|
| [Restore Factory Defaults for Network/Interface Settings] | – | – | R/W | – | R/W | – |

[Send (Email/Folder)]

[Email]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------------------|------|------|-----|------|-------|-----|
| [SMTP Server] | R | R | R/W | R | R/W | R |
| [SMTP Authentication] ^{*6} | R | R/W | R | R | R/W | R |
| [POP before SMTP] | R | R/W | R | R | R/W | R |
| [Reception Protocol] | R | R/W | R | R | R/W | R |
| [POP3 / IMAP4 Settings] | R | R/W | R | R | R/W | R |
| [Administrator's Email Address] | R | R/W | R | R | R/W | R |
| [Email Communication Port] | R | R | R/W | R | R/W | R |

| | | | | | | |
|--|---|-----|-----|---|-----|-----|
| [Email Reception Interval] | R | R | R/W | R | R/W | R |
| [Maximum Reception Email Size] | R | R | R/W | R | R/W | R |
| [Email Storage in Server] | R | R | R/W | R | R/W | R |
| [Register/Change/Delete Email Message] | R | R/W | R | R | R/W | R/W |
| [Auto Specify Sender Name] | R | R | R/W | R | R/W | R |
| [Auto Email Notify] | – | R/W | – | – | R/W | – |

*6 Passwords cannot be read.

[Folder]

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-------|-----|
| [Default User Name / Password (Send)] ^{*6} | R | R/W | R | R | R/W | R |

*6 Passwords cannot be read.

[Settings for Administrator]

[Security Pattern/Stamp]

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-------|-----|
| [Detect Data Security for Copying] | R | R/W | R | R | R/W | R |
| [Unauthorized Copy Prevention Printing: Copier] | R | R/W | R | R | R/W | R |

| | | | | | | |
|--|---|-----|---|---|-----|---|
| [Unauthorized Copy Prevention Printing: Document Server] | R | R/W | R | R | R/W | R |
| [Unauthorized Copy Prevention Printing: Printer] | R | R/W | R | R | R/W | R |
| [Compulsory Security Stamp: Copier] | R | R/W | R | R | R/W | R |
| [Compulsory Security Stamp: Document Server] | R | R/W | R | R | R/W | R |
| [Compulsory Security Stamp: Fax] | R | R/W | R | R | R/W | R |
| [Compulsory Security Stamp: Printer] | R | R/W | R | R | R/W | R |

[Data Management]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [Auto Erase Memory Setting] | R | R/W | R | R | R | R |
| [Erase All Memory] | – | R/W | – | – | – | – |
| [Delete All Logs] | – | R/W | – | – | R/W | – |
| [Transfer Log Setting] ^{*7} | R | R/W | R | R | R/W | R |
| [Collect Logs Settings] | R | R/W | R | R | R/W | R |
| [Job Execution Restrictions When Log Limit is Reached] | R | R/W | R | R | R/W | R |
| [Device Setting Information: Import Setting (Server)] | – | – | – | – | – | – |
| [Device Setting Information: Run Import (Server)] | – | – | – | – | – | – |
| [Device Setting Information: Export (Memory Storage Device)] | – | – | – | – | – | – |
| [Device Setting Information: Import | – | – | – | – | – | – |

| | | | | | | |
|--|---|-----|---|---|-----|---|
| (Memory Storage Device)] | | | | | | |
| [Restore Default Control Panel Settings] | – | R/W | – | – | R/W | – |

*7 Can only be changed to [Do not Forward].

[File Management]

| Settings | User | Mach | N/W | File | Unset | Set |
|---------------------------------------|------|------|-----|------|-------|-----|
| [Machine Data Encryption Settings] | – | R/W | – | – | – | – |
| [Auto Delete File in Document Server] | R | R | R | R/W | R/W | R |
| [Delete All Files in Document Server] | – | – | – | R/W | R/W | – |
| [Document Server Function] | – | R/W | – | – | – | – |
| [Default Privilege for Stored File] | R | R/W | R | R | R/W | R |
| [PDF File Type: PDF/A Fixed] | R | R/W | R | R | R/W | R |

[Security]

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-------|-----|
| [Extended Security Settings] | | | | | | |
| <ul style="list-style-type: none"> [Driver Encryption Key]^{*8} (Permissions: Network Administrator) | – | – | R/W | – | R/W | – |
| <ul style="list-style-type: none"> [Driver Encryption Key: Encryption Strength] (Permissions: Network Administrator) | R | R | R/W | R | R/W | R |

| | | | | | | |
|--|-----|-----|---|-----|-----|---|
| <ul style="list-style-type: none"> • [Restrict Display of User Information]^{*8} (Permissions: Machine Administrator) | R | R/W | R | R | R/W | R |
| <ul style="list-style-type: none"> • [Enhance File Protection] (Permissions: File Administrator) | R | R | R | R/W | R | R |
| <ul style="list-style-type: none"> • [Restrict Use of Destinations (Fax)] (Permissions: User Administrator) | R/W | R | R | R | R | R |
| <ul style="list-style-type: none"> • [Restrict Use of Destinations (Scanner)] (Permissions: User Administrator) | R/W | R | R | R | R | R |
| <ul style="list-style-type: none"> • [Restrict Adding of User Destinations (Fax)] (Permissions: User Administrator) | R/W | R | R | R | R | R |
| <ul style="list-style-type: none"> • [Restrict Adding of User Destinations (Scanner)] (Permissions: User Administrator) | R/W | R | R | R | R | R |
| <ul style="list-style-type: none"> • [Transfer to Fax Receiver] (Permissions: Machine Administrator) | R | R/W | R | R | R | R |
| <ul style="list-style-type: none"> • [Authenticate Current Job]^{*8} (Permissions: Machine Administrator) | R | R/W | R | R | R/W | R |
| <ul style="list-style-type: none"> • [@Remote Service] (Permissions: Machine Administrator) | R | R/W | R | R | R/W | R |
| <ul style="list-style-type: none"> • [Update Firmware] (Permissions: Machine Administrator) | R | R/W | R | R | – | – |

| | | | | | | |
|--|-----|-----|-----|---|-----|---|
| <ul style="list-style-type: none"> • [Change Firmware Structure] (Permissions: Machine Administrator) | R | R/W | R | R | – | – |
| <ul style="list-style-type: none"> • [Password Policy]^{*8} (Permissions: User Administrator) | R/W | – | – | – | – | – |
| <ul style="list-style-type: none"> • [Settings by SNMPv1, v2] (Permissions: Network Administrator) | R | R | R/W | R | R/W | R |
| <ul style="list-style-type: none"> • [Security Setting for Access Violation] (Permissions: Machine Administrator) | – | R/W | – | – | – | – |
| <ul style="list-style-type: none"> • [Password Entry Violation] (Permissions: Machine Administrator) | – | R/W | – | – | – | – |
| <ul style="list-style-type: none"> • [Device Access Violation] (Permissions: Machine Administrator) | – | R/W | – | – | – | – |
| [Network Security Level] | R | R | R/W | R | – | – |
| [Access Control Function] | R | R | R/W | R | R/W | R |
| [Register/Delete Device Certificate] | – | – | R/W | – | R/W | – |
| [Service Mode Lock] | R | R/W | R | R | R/W | R |
| [CCC: Save Standard Values] ^{*9} | – | – | – | – | – | – |
| [CCC: Apply Standard Values] ^{*9} | – | – | – | – | – | – |
| [Credential Storage] | – | R/W | – | – | R/W | – |
| [Server Settings] | – | R/W | – | – | R/W | – |
| [Install Settings] | – | R/W | – | – | – | – |

*8 This is displayed when Basic Authentication, Windows Authentication, or LDAP Authentication is used.

*9 R/W can be performed by the administrator with all privileges that include user administrator, machine administrator, network administrator, and file administrator privileges.

[Remote Panel Operation]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------------|------|------|-----|------|-------|-----|
| [Remote Operation/Monitoring] | R | R/W | R | R | R | R |

[Function Restriction]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [Menu Protect] | R | R/W | R | R | R | R |
| [Restrict Functions of Each Application] | R | R/W | R | R | R/W | R |

[Authentication/Charge]

[Administrator Authentication/User Authentication/App Auth.]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|---------------|------------|------------|------------|-------|-----|
| [Administrator Authentication Management] | R/W *10*11 | R/W *11 | R/W *11 | R/W *11 | R/W | – |
| [Register/Change Administrator] | R/W *12 | R/W *12 | R/W *12 | R/W *12 | – | – |
| [User Authentication Management] | R | R/W | R | R | R/W | R |
| [Setting for Entering Authentication Password] | – | R/W | – | – | R/W | – |

| | | | | | | |
|--|-----|-----|---|---|-----|---|
| [Application Authentication Management] | – | R/W | – | – | – | – |
| [Application Authentication Settings] | R/W | R/W | – | – | – | – |
| [User's Own Customization] | – | R/W | – | – | R/W | – |
| [Register/Change/Delete Realm] | – | R/W | – | – | R/W | R |
| [Register/Change/Delete LDAP Server] ^{*6} | – | R/W | – | – | R/W | R |
| [LDAP Search] | R | R/W | R | R | R | R |

*6 Passwords cannot be read.

*10 Cannot be changed when the individual authentication function is used.

*11 Only the administrator privilege settings can be changed.

*12 Administrators can only change their own accounts.

[Print Volume Use Limitation]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [Machine Action When Limit is Reached] | R | R/W | R | R | R | R |
| [Volume Use Counter: Scheduled/Specified Reset Settings] | R | R/W | R | R | R | R |
| [Print Volume Use Limitation: Default Limit Value] | R/W | R | R | R | R | R |
| [Print Volume Use Limitation: Unit Count Setting] | R | R/W | R | R | R | R |
| [Enhanced Print Volume Use Limitation] | R | R/W | R | R | R | R |

[External Charge Unit Management]

| Settings | User | Mach | N/W | File | Unset | Set |
|--------------------------|------|------|-----|------|-------|-----|
| [Key Counter Management] | R | R/W | R | R | R/W | R |

| | | | | | | |
|--|---|-----|---|---|-----|---|
| [External Charge Unit Management] | R | R/W | R | R | R/W | R |
| [Enhanced External Charge Unit Management] | R | R/W | R | R | R/W | R |

[Auto Remote Firmware Update]

[Settings]

| Settings | User | Mach | N/W | File | Unset | Set |
|---------------------------------------|------|------|-----|------|-------|-----|
| [Auto Remote Firmware Update Setting] | R | R/W | R | R | R/W | R |

[Machine/Control Panel Information]

[Firmware Version]

| Settings | User | Mach | N/W | File | Unset | Set |
|--------------------|------|------|-----|------|-------|-----|
| [Firmware Version] | R | R | R | R | R | R |

[About Control Panel]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------|------|------|-----|------|-------|-----|
|----------|------|------|-----|------|-------|-----|

| | | | | | | |
|----------------------------|---|---|---|---|---|---|
| [Status] | – | R | R | – | R | R |
| [Legal Information] | – | R | R | – | R | R |
| [Software Version List] | – | R | R | – | R | R |
| [Software Version History] | – | R | – | – | R | – |

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Web Image Monitor: Device Settings

These settings are in [Configuration] in [Device Management].

When administrator authentication is set, the restrictions to user operations differ depending on the configuration in [Available Settings].

[System]

| Settings | User | Mach | N/W | File | Unset | Set |
|---|------|------|-----|------|-------|-----|
| [Device Name] | R | R | R/W | R | R/W | R |
| [Comment] | R | R | R/W | R | R/W | R |
| [Location] | R | R | R/W | R | R/W | R |
| [Spool Printing] | R | R/W | R | R | R/W | R |
| [Protect Printer Display Panel] | R | R/W | R | R | – | – |
| [Interleave Priority] | R | R/W | R | R | R/W | R |
| [Function Reset Timer] | R | R/W | R | R | R/W | R |
| [Energy Saver Key to Change Mode] | R | R/W | R | R | R/W | R |
| [Stop Key to Suspend Print Job] | R | R/W | R | R | R/W | R |
| [Display IP Address on Device Display Panel] | R | R/W | R | R | – | – |
| [Media Slot Use] | R | R/W | R | R | R | R |
| [Compatible ID] | R | R/W | R | R | R/W | R |
| [PDF File Type: PDF/A Fixed] | R | R/W | R | R | R/W | R |
| [Prohibit printing stored files from Web Image Monitor] | R | R/W | R | R | R/W | R |
| [Remote Main Power On] | R | R/W | R | R | R/W | R |

| | | | | | | |
|---|---|-----|---|---|-----|---|
| [Ready State After Printing] | R | R/W | R | R | R/W | R |
| [ADF Operation: Copier/Document Server] | R | R/W | R | R | R/W | R |
| [Screen display function when network is not connected] | R | R/W | R | R | R/W | R |
| [Shift to Main Power-Off When Network Disconnected] | R | R/W | R | R | R/W | R |
| [Ability to log out while scanning] | R | R/W | R | R | R/W | R |
| [Job Execution Restrictions When Log Limit is Reached] | R | R/W | R | R | R/W | R |
| [Output Tray] | R | R/W | R | R | R/W | R |
| [Paper Tray Priority] | R | R/W | R | R | R/W | R |
| [Cover Sheet Tray] | R | R/W | R | R | R/W | R |
| [Back Cover Sheet Tray] | R | R/W | R | R | R/W | R |
| [Slip Sheet Tray] | R | R/W | R | R | R/W | R |
| [Designation Sheet 1-9 Tray] | R | R/W | R | R | R/W | R |
| [Separation Sheet Tray] | R | R/W | R | R | R/W | R |

[Paper]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R/W | R |

[Custom Paper]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R/W | R |

[Date/Time]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R/W | R |

[Timer]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R/W | R |

[Logs]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------|------|------|-----|------|-------|-----|
| All items ^{*1} | R | R/W | R | R | R/W | R |

*1 [Transfer Logs] is enabled to change to [Inactive] only.

[Download Logs]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------|------|------|-----|------|-------|-----|
|----------|------|------|-----|------|-------|-----|

| | | | | | | |
|-----------|---|-----|---|---|---|---|
| All items | – | R/W | – | – | – | – |
|-----------|---|-----|---|---|---|---|

[SYSLOG Transfer Setting]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R/W | R |

[Email]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------------|------|------|-----|------|-------|-----|
| [Administrator Email Address] | – | R/W | – | – | R/W | R |
| [Auto Specify Sender Name] | – | R/W | – | – | R/W | R |
| [Signature] | – | R/W | – | – | R/W | R |
| [Image of Signature] | – | R/W | – | – | R/W | R |
| [Signature Image Preview] | – | R/W | – | – | R/W | R |
| [Reception Protocol] | – | R/W | – | – | R/W | R |
| [Email Reception Interval] | – | – | R/W | – | R/W | R |
| [Max. Reception Email Size] | – | – | R/W | – | R/W | R |
| [Email Storage in Server] | – | – | R/W | – | R/W | R |
| [SMTP Server Name] | – | – | R/W | – | R/W | R |
| [SMTP Port No.] | – | – | R/W | – | R/W | R |
| [Use Secure Connection (SSL)] | – | – | R/W | – | R/W | R |
| [SMTP Authentication] | – | R/W | – | – | R/W | R |

| | | | | | | |
|---|---|-----|-----|---|-----|---|
| [SMTP Auth. Email Address] | – | R/W | – | – | R/W | R |
| [SMTP Auth. User Name] | – | R/W | – | – | R/W | – |
| [SMTP Auth. Password] ^{*2} | – | R/W | – | – | R/W | – |
| [SMTP Auth. Encryption] | – | R/W | – | – | R/W | R |
| [POP before SMTP] | – | R/W | – | – | R/W | R |
| [POP Email Address] | – | R/W | – | – | R/W | R |
| [POP User Name] | – | R/W | – | – | R/W | – |
| [POP Password] ^{*2} | – | R/W | – | – | R/W | – |
| [Timeout setting after POP Auth.] | – | R/W | – | – | R/W | R |
| [POP3/IMAP4 Server Name] | – | R/W | – | – | R/W | R |
| [Encrypt POP3 / IMAP4 Password] | – | R/W | – | – | R/W | R |
| [Encrypt POP3 / IMAP4 Connection] | – | R/W | – | – | R/W | R |
| [Validate Connected Server] | – | R/W | – | – | R/W | R |
| [POP3 Reception Port No.] | – | – | R/W | – | R/W | R |
| [IMAP4 Reception Port No.] | – | – | R/W | – | R/W | R |
| [Fax Email Address] | – | R/W | – | – | R/W | R |
| [Receive Fax Email] | – | R/W | – | – | R/W | – |
| [Fax Email User Name] | – | R/W | – | – | R/W | – |
| [Fax Email Password] ^{*2} | – | R/W | – | – | R/W | – |
| [Email Notification E-mail Address] | – | R/W | – | – | R/W | R |
| [Receive Email Notification] | – | R/W | – | – | R/W | – |
| [Email Notification User Name] | – | R/W | – | – | R/W | – |
| [Email Notification Password] ^{*2} | – | R/W | – | – | R/W | – |

*2 Passwords cannot be read.

[Auto Email Notification]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------|------|------|-----|------|-------|-----|
| [All items] | R | R/W | R | R | R/W | R |

[On-demand Email Notification]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R/W | R |

[File Transfer]

| Settings | User | Mach | N/W | File | Unset | Set |
|------------------------------|------|------|-----|------|-------|-----|
| [SMB User Name] | – | R/W | – | – | R/W | – |
| [SMB Password] ^{*2} | – | R/W | – | – | R/W | – |
| [FTP User Name] | – | R/W | – | – | R/W | – |
| [FTP Password] ^{*2} | – | R/W | – | – | R/W | – |

*2 Passwords cannot be read.

[Conditions to Search Address Book]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | R/W | – | – | – | – |

[User Authentication Management]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R/W | R |

[Administrator Authentication Management]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [User Administrator Authentication] | R/W | R | R | R | R | R |
| [Machine Administrator Authentication] | R | R/W | R | R | R | R |
| [Network Administrator Authentication] | R | R | R/W | R | R | R |
| [File Administrator Authentication] | R | R | R | R/W | R | R |

[Program/Change Administrator]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------|------|------|-----|------|-------|-----|
| [User Administrator] | R/W | R | R | R | – | – |
| [Machine Administrator] | R | R/W | R | R | – | – |
| [Network Administrator] | R | R | R/W | R | – | – |

| | | | | | | |
|-------------------------------------|-----|-----|-----|-----|---|---|
| [File Administrator] | R | R | R | R/W | – | – |
| [Login User Name] ^{*3} | R/W | R/W | R/W | R/W | – | – |
| [Login Password] ^{*3} | R/W | R/W | R/W | R/W | – | – |
| [Encryption Password] ^{*3} | R/W | R/W | R/W | R/W | – | – |

*3 Administrators can only change their own accounts.

[Print Volume Use Limitation]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R | R |

[LDAP Server]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | R/W | – | – | R/W | – |

[Firmware Update]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------------------|------|------|-----|------|-------|-----|
| [Update] | – | R/W | – | – | – | – |
| [Firmware Version] | – | R | – | – | – | – |
| [Application Version] | – | R | – | – | – | – |

[Auto Firmware Update Settings]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | R/W | – | – | – | – |

[Kerberos Authentication]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | R/W | – | – | – | – |

[Device Setting Information: Import Setting (Server)]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------|------|------|-----|------|-------|-----|
| All items ^{*4} | – | – | – | – | – | – |

*4 R/W is the administrator with all privileges that include user administrator, machine administrator, network administrator, and file administrator privileges.

[Import Test]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------------------|------|------|-----|------|-------|-----|
| [Start] ^{*4} | – | – | – | – | – | – |

*4 R/W is the administrator with all privileges that include user administrator, machine administrator, network administrator, and file administrator privileges.

[Import/Export Device Setting Information]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------|------|------|-----|------|-------|-----|
| All items ^{*4} | – | – | – | – | – | – |

*4 R/W is the administrator with all privileges that include user administrator, machine administrator, network administrator, and file administrator privileges.

[Eco-friendly Counter Period/Administrator Message]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R/W | R |

[Compulsory Security Stamp]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R | R |

[Unauthorized Copy Prevention: Copier]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R | R |

[Unauthorized Copy Prevention: Document Server]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R | R |

[Unauthorized Copy Prevention: Printer]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R | R |

[Program/Change USB Device List]

| Settings | User | Mach | N/W | File | Unset | Set |
|---------------|------|------|-----|------|-------|-----|
| [Device 1-10] | R | R/W | R | R | R/W | R |

[Restrict Application Functions]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R/W | R | R | R | R |

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Web Image Monitor: Security

These settings are in [Configuration] in [Device Management].

When administrator authentication is set, the restrictions to user operations differ depending on the [Available Settings] setting.

[To use this machine safely]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R/W | R/W | R/W | R/W | – | – |

[Network Security]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | – | R/W | – | – | – |

[Access Control]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | – | R/W | – | – | – |

[IPP Authentication]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | – | R/W | – | – | – |

[SSL/TLS]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | – | R/W | – | – | – |

[Root Certificate]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | – | R/W | – | – | – |

[Device Certificate]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | – | R/W | – | – | – |

[S/MIME]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------|------|------|-----|------|-------|-----|
|----------|------|------|-----|------|-------|-----|

| | | | | | | |
|-----------|---|---|-----|---|---|---|
| All items | – | – | R/W | – | – | – |
|-----------|---|---|-----|---|---|---|

[IPsec]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | – | R/W | – | – | – |

[User Lockout Policy]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | R/W | – | – | – | – |

[IEEE 802.1X]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | – | R/W | – | – | – |

[Extended Security]

| Settings | User | Mach | N/W | File | Unset | Set |
|--|------|------|-----|------|-------|-----|
| [Driver Encryption Key] | – | – | R/W | – | R/W | – |
| [Driver Encryption Key: Encryption Strength] | R | R | R/W | R | R/W | R |

| | | | | | | |
|---|-----|-----|-----|---|-----|---|
| [Restrict Display of User Information] | R | R/W | R | R | R/W | R |
| [Authenticate Current Job] | R | R/W | R | R | R/W | R |
| [@Remote Service] | R | R/W | R | R | R/W | R |
| [Update Firmware] | R | R/W | R | R | – | – |
| [Change Firmware Structure] | R | R/W | R | R | – | – |
| [Password Policy] | R/W | – | – | – | – | – |
| [Settings by SNMPv1, v2] | R | R | R/W | R | R/W | R |
| [Security Setting for Access Violation] | – | R/W | – | – | – | – |
| [Password Entry Violation] | – | R/W | – | – | – | – |
| [Device Access Violation] | – | R/W | – | – | – | – |

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Web Image Monitor: Webpage

These settings are in [Configuration] in [Device Management].

When administrator authentication is set, the restrictions to user operations differ depending on the configuration in [Available Settings].

[Webpage]

| Settings | User | Mach | N/W | File | Unset | Set |
|------------------------------------|------|------|-----|------|-------|-----|
| [Webpage Language] | R | R | R/W | R | R/W | R |
| [Web Image Monitor Auto Logout] | R | R | R/W | R | R/W | R |
| [Personal Information Concealment] | R | R | R/W | R | R/W | R |
| [Set URL Target of Link Page] | R | R | R/W | R | R/W | R |
| [Set Help URL Target] | R | R | R/W | R | R/W | R |
| [WSD/UPnP Setting] | R | R | R/W | R | R/W | R |
| [Download Help File] | R/W | R/W | R/W | R/W | R/W | R/W |

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Fax Settings

When administrator authentication is set, the restrictions to user operations differ depending on the configurations in [Available Settings].

[Frequently Used Settings]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------------------------|------|------|-----|------|-------|-----|
| [Register Fax Information] | R | R/W | R | R | R | R |
| [Fax Records Auto Print] | R | R/W | R | R | R | R |
| [Adjust Sound Volume] | R | R/W | R | R | R/W | R |
| [Reception Mode Settings] | R | R/W | R | R | R | R |
| [Action on Receiving File] | R | R/W | R | R | R | R |
| [Internet Fax/Email/Folder] | R | R/W | R | R | R | R |
| [Select Dial/Push Phone] | R | R/W | R | R | R | R |
| [IP-Fax Use Settings] | R | R | R/W | R | R | R |

[Scan Settings]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|------------------------------------|------|------|-----|------|------|------|
| [Register/Change/Delete Scan Size] | R | R/W | R | R | R/W | R |

| | | | | | | |
|---|---|-----|---|---|-----|---|
| [Wait Time for Next Original: Exposure Glass] | R | R/W | R | R | R/W | R |
|---|---|-----|---|---|-----|---|

[Send Settings]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|---|------|------|-----|------|------|------|
| [Maximum Email Size] | R | R | R/W | R | R | R |
| [Register/Change/Delete Standard Message] | R | R/W | R | R | R | R |
| [Memory File Transfer (If Unable to Print)] | – | R/W | – | – | – | – |
| [Backup File Transmission Setting] | R | R/W | R | R | R | R |
| [Number of Resends Settings] | R | R/W | R | R | R | R |
| [Prevent Incorrect Transmissions] | R | R/W | R | R | R | R |
| [Stored Fax File Auto Delete] (This setting item is valid only when using [Fax (Classic)].) | R | R | R | R/W | R | R |
| [Email address/Folder Path on Communication Log] | R | R/W | R | R | R | R |

[Reception Settings]

[Reception File Settings]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|----------------------------|------|------|-----|------|------|------|
| [Action on Receiving File] | R | R/W | R | R | R | R |
| [Output Mode Switch Timer] | R | R/W | R | R | R | R |

| | | | | | | |
|--|---|-----|---|---|---|---|
| [Prohibit Auto Print] | R | R/W | R | R | R | R |
| [Print Standby to Print Files] | – | R/W | – | – | – | – |
| [Reception File Storing Error Setting] | R | R/W | R | R | R | R |
| [Reception File Storage Location] | R | R/W | R | R | R | R |
| [Create / Change / Delete Reception File Store Folder] | R | R/W | R | R | R | R |
| [Store Reception File Per Line Setting] | R | R/W | R | R | R | R |

[Reception Mode Settings]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|-------------------------|------|------|-----|------|------|------|
| [Switch Reception Mode] | R | R/W | R | R | R | R |

[Register Special Sender]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|--|------|------|-----|------|------|------|
| [Register/Change/Delete] | – | R/W | – | – | – | – |
| [Register Special Sender: Print List] | – | R/W | – | – | – | – |
| [Authorized Reception] | R | R/W | R | R | R | R |
| [Special Reception Function] | R | R/W | R | R | R | R |
| [Print/Store on Forwarding Special Sender] | R | R/W | R | R | R | R |
| [Receive Fax (Caller ID Blocked)] | R | R/W | R | R | R | R |

| | | | | | | |
|--------------------------|---|-----|---|---|---|---|
| [Bypass Tray Paper Size] | R | R/W | R | R | R | R |
|--------------------------|---|-----|---|---|---|---|

[Box Setting]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|------------------------------|------|------|-----|------|------|------|
| [Register/Change/Delete Box] | – | R/W | – | – | R | – |
| [Box Setting: Print List] | – | R/W | – | – | R/W | – |

[Stored Reception File User Setting]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|--------------------------------------|------|------|-----|------|------|------|
| [Stored Reception File User Setting] | R | R | R | R/W | R | R |

[SMTP Reception File Delivery Settings]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|---|------|------|-----|------|------|------|
| [SMTP Reception File Delivery Settings] | R | R/W | R | R | R | R |

[Reception File Print Settings]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|-----------------|------|------|-----|------|------|------|
| [2 Sided Print] | R | R/W | R | R | R/W | R |

| | | | | | | |
|---------------------------------|---|-----|---|---|-----|---|
| [Combine Two Originals] | R | R/W | R | R | R/W | R |
| [Checkered Mark] | R | R/W | R | R | R/W | R |
| [Center Mark] | R | R/W | R | R | R/W | R |
| [Print Reception Time] | R | R/W | R | R | R/W | R |
| [Reception File Print Quantity] | R | R/W | R | R | R/W | R |
| [Paper Tray] | R | R/W | R | R | R/W | R |
| [Just Size Printing] | R | R/W | R | R | R | R |
| [FAX Print Color] | R | R/W | R | R | R/W | R |
| [Specify Tray for Lines] | R | R/W | R | R | R/W | R |

[Folder Transfer Settings]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|--|------|------|-----|------|------|------|
| [Folder Transfer Result Report] | R | R/W | R | R | R | R |
| [Email address/Folder Path on Communication Log] | R | R/W | R | R | R | R |
| [File Name Setting in Folder Transfer] | R | R/W | R | R | R | R |

[Delivery per Line]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|---------------------|------|------|-----|------|------|------|
| [Delivery per Line] | R | R/W | R | R | R | R |

[Maximum Reception Size]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|--------------------------|------|------|-----|------|------|------|
| [Maximum Reception Size] | R | R/W | R | R | R | R |

[Trays for Paper Tray Selection]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|----------------------------------|------|------|-----|------|------|------|
| [Trays for Paper Tray Selection] | R | R/W | R | R | R | R |

[Light Response after Receiving Fax]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|--------------------------------------|------|------|-----|------|------|------|
| [Light Response after Receiving Fax] | R | R/W | R | R | R | R |

[Detailed Initial Settings]

[Parameter Setting]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|---------------------|------|------|-----|------|------|------|
| [Parameter Setting] | R | R/W | R | R | R | R |

| | | | | | | |
|---------------------------------|---|-----|---|---|-----|---|
| [Parameter Setting: Print List] | – | R/W | – | – | R/W | – |
|---------------------------------|---|-----|---|---|-----|---|

[Register Closed Network Code]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|--------------------------------|------|------|-----|------|------|------|
| [Register Closed Network Code] | – | R/W | – | – | R | – |

[Register Memory Lock ID]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|---------------------------|------|------|-----|------|------|------|
| [Register Memory Lock ID] | – | R/W | – | – | R | – |

[Internet Fax/Email/Folder]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|-----------------------------|------|------|-----|------|------|------|
| [Internet Fax/Email/Folder] | R | R/W | R | R | R | R |

[Select Dial/Push Phone]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|----------|------|------|-----|------|------|------|
| [For G3] | R | R/W | R | R | R | R |

[Register Fax Information]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|------------------|------|------|-----|------|------|------|
| [Fax Header] | R | R/W | R | R | R | R |
| [Own Name] | R | R/W | R | R | R | R |
| [Own Fax Number] | R | R/W | R | R | R | R |

[IP-Fax Settings]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|----------------------------------|------|------|-----|------|------|------|
| [IP-Fax Use Settings] | R | R | R/W | R | R | R |
| [H.323 Settings] | R | R | R/W | R | R | R |
| [SIP Settings] | R | R | R/W | R | R | R |
| [Register/Change/Delete Gateway] | R | R | R/W | R | R | R |
| [Server Use Settings] | R | R | R/W | R | R | R |

[Security for Email Transmission Results]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|---|------|------|-----|------|------|------|
| [Security for Email Transmission Results] | R | R/W | R | R | R | R |

[Fax Email Account]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| [Account] | R | R/W | R | R | R/W | R |

[Destination List per Line]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|-----------------------------------|------|------|-----|------|------|------|
| [Destination List per Line] | R | R/W | R | R | R | R |
| [Group Destination Display Style] | R | R/W | R | R | R | R |

[G3 FAX Line Connection Check]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|--------------------------------|------|------|-----|------|------|------|
| [G3 FAX Line Connection Check] | R | R/W | R | R | R | R |

[Super G3 Communication Settings]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|-----------------------------------|------|------|-----|------|------|------|
| [Super G3 Communication Settings] | R | R/W | R | R | R | R |

[Notification Email Settings]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|-------------------------------|------|------|-----|------|------|------|
| [Notification Email Settings] | R | R/W | R | R | R | R |

[Display Network Error]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|-------------------------|------|------|-----|------|------|------|
| [Display Network Error] | R | R/W | R | R | R | R |

[Destination Type Priority]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|-----------------------------|------|------|-----|------|------|------|
| [Destination Type Priority] | R | R/W | R | R | R | R |

[Others]

| Settings | User | Mach | N/W | File | Lv.1 | Lv.2 |
|--|------|------|-----|------|------|------|
| [Quick Operation Key] (This item is enabled only when the [Fax (Classic)] is used.) | R | R/W | R | R | R/W | R |
| [Switch Title] | R | R/W | R | R | R/W | R |
| [Search Destination] | R | R/W | R | R | R/W | R |

| | | | | | | |
|------------------------------|---|-----|---|---|-----|---|
| [Communication Page Count] | R | R | R | R | R | R |
| [Adjust Sound Volume] | R | R/W | R | R | R/W | R |
| [On Hook Mode Release Time] | R | R/W | R | R | R/W | R |
| [Delete Recent Destinations] | – | R/W | – | – | – | – |
| [Report Auto Print Settings] | R | R/W | R | R | R | R |
| [Report Contents Settings] | R | R/W | R | R | R | R |

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Web Image Monitor: Network

These settings are in [Configuration] in [Device Management].

When administrator authentication is set, the restrictions to user operations differ depending on the configuration in [Available Settings].

[IPv4]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------|------|------|-----------|------|-----------|-----|
| [IPv4] | R | R | R/W *1 | R | R/W *1 | R |
| [Host Name] | R | R | R/W | R | R/W | R |
| [DHCP] | R | R | R/W | R | R/W | R |
| [Domain Name] | R | R | R/W | R | R/W | R |
| [IPv4 Address] | R | R | R/W | R | R/W | R |
| [Subnet Mask] | R | R | R/W | R | R/W | R |
| [DDNS] | R | R | R/W | R | R/W | R |
| [WINS] | R | R | R/W | R | R/W | R |
| [Primary WINS Server] | R | R | R/W | R | R/W | R |
| [Secondary WINS Server] | R | R | R/W | R | R/W | R |
| [LLMNR] | R | R | R/W | R | R/W | R |
| [Scope ID] | R | R | R/W | R | R/W | R |
| [Details] | R | R | R/W | R | R/W | R |

*1 You cannot disable IPv4 when using Web Image Monitor through an IPv4 connection.

[IPv6]

| Settings | User | Mach | N/W | File | Unset | Set |
|--------------------------------|------|------|-----------|------|-----------|-----|
| [IPv6] | R | R | R/W *2 | R | R/W *2 | R |
| [Host Name] | R | R | R/W | R | R/W | R |
| [Domain Name] | R | R | R/W | R | R/W | R |
| [Link-local Address] | R | R | R | R | R | R |
| [Stateless Address] | R | R | R/W | R | R/W | R |
| [Manual Configuration Address] | R | R | R/W | R | R/W | R |
| [DHCPv6] | R | R | R/W | R | R/W | R |
| [DHCPv6 Address] | R | R | R | R | R | R |
| [DDNS] | R | R | R/W | R | R/W | R |
| [LLMNR] | R | R | R/W | R | R/W | R |
| [Details] | R | R | R/W | R | R/W | R |

*2 You cannot disable IPv6 when using Web Image Monitor through an IPv6 connection.

[SMB]

| Settings | User | Mach | N/W | File | Unset | Set |
|------------------|------|------|-----|------|-------|-----|
| [SMB] | R | R | R/W | R | R/W | R |
| [Protocol] | R | R | R | R | R | R |
| [Workgroup Name] | R | R | R/W | R | R/W | R |
| [Computer Name] | R | R | R/W | R | R/W | R |

| | | | | | | |
|---------------------|---|---|-----|---|-----|---|
| [Comment] | R | R | R/W | R | R/W | R |
| [Share Name] | R | R | R | R | R | R |
| [Advanced Settings] | R | R | R/W | R | R/W | R |

[SNMP]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | – | – | R/W | – | – | – |

[SNMPv3]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------------------------|------|------|-----|------|-------|-----|
| [SNMP] | – | – | R/W | – | – | – |
| [Protocol] | – | – | R/W | – | – | – |
| [SNMPv3 Setting] | – | – | R/W | – | – | – |
| [SNMPv3 Trap Communication Setting] | – | – | R/W | – | – | – |
| [Account(User)] | – | – | R/W | – | – | – |
| [Account(Network Administrator)] | – | – | R/W | – | – | – |
| [Account(Machine Administrator)] | – | R/W | – | – | – | – |

[SSDP]

| Settings | User | Mach | N/W | File | Unset | Set |
|-------------------|------|------|-----|------|-------|-----|
| [SSDP] | – | – | R/W | – | – | R/W |
| [UUID] | – | – | R | – | – | R |
| [Profile Expires] | – | – | R/W | – | – | R/W |
| [TTL] | – | – | R/W | – | – | R/W |

[Bonjour]

| Settings | User | Mach | N/W | File | Unset | Set |
|------------------------|------|------|-----|------|-------|-----|
| [Bonjour] | R | R | R/W | R | R/W | R |
| [Local Hostname] | R | R | R | R | R | R |
| [Details] | R | R | R/W | R | R/W | R |
| [Print Order Priority] | R | R | R/W | R | R/W | R |

[AirPrint]

| Settings | User | Mach | N/W | File | Unset | Set |
|-----------|------|------|-----|------|-------|-----|
| All items | R | R | R/W | R | R/W | R |

[System Log]

| Settings | User | Mach | N/W | File | Unset | Set |
|----------|------|------|-----|------|-------|-----|
|----------|------|------|-----|------|-------|-----|

| | | | | | | |
|--------------|---|---|---|---|---|---|
| [System Log] | R | R | R | R | R | R |
|--------------|---|---|---|---|---|---|

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Encryption Key Auto Exchange Settings

For key configuration, this machine supports automatic key exchange to specify agreements such as the IPsec algorithm and key for both sender and receiver. Such agreements form what is known as an SA (Security Association). IPsec communication is possible only if the receiver's and sender's SA settings are identical.

If you use the auto exchange method to specify the encryption key, the SA settings are auto configured on both parties' machines. However, before setting the IPsec SA, the ISAKMP SA (Phase 1) settings are auto configured. After this, the IPsec SA (Phase 2) settings, which allow actual IPsec transmission, are auto configured.

Also, for further security, the SA can be periodically auto updated by applying a validity period (time limit) for its settings. This machine only supports IKEv1 for encryption key auto exchange.

Note that it is possible to configure multiple SAs.

Settings 1-4 and default setting

Using the auto exchange method, you can configure four separate sets of SA details (such as different shared keys and IPsec algorithms). In the default settings of these sets, you can include settings that the fields of sets 1 to 4 cannot contain.

When IPsec is enabled, set 1 has the highest priority and set 4 has the lowest. You can use this priority system to target IP addresses more securely. For example, set the broadest IP range at the lowest priority (4), and then set specific IP addresses at a higher priority level (3 and higher). This way, when IPsec transmission is enabled for a specific IP address, the higher level settings will be applied.

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IPsec Settings

IPsec settings for this machine can be made on Web Image Monitor. The following table explains individual setting items.

IPsec settings items

| Setting | Description | Setting value |
|-----------------------------|---|--|
| IPsec | Specify whether to enable or disable IPsec. | <ul style="list-style-type: none"> Active Inactive |
| Exclude HTTPS Communication | Specify whether to enable IPsec for HTTPS transmission. | <ul style="list-style-type: none"> Active Inactive <p>Specify "Active" if you do not want to use IPsec for HTTPS transmission.</p> |

The IPsec setting can also be configured from the control panel.

Encryption key auto exchange security level

When you select a security level, certain security settings are automatically configured. The following table explains security level features.

| Security level | Security level features |
|---|---|
| Authentication Only | <p>Select this level if you want to authenticate the transmission partner and prevent unauthorized data tampering, but not perform data packet encryption.</p> <p>Since the data is sent cleartext, data packets are vulnerable to eavesdropping attacks. Do not select this if you are exchanging sensitive information.</p> |
| Authentication and Low Level Encryption | <p>Select this level if you want to encrypt the data packets as well as authenticate the transmission partner and prevent unauthorized packet tampering. Packet encryption helps prevent eavesdropping</p> |

| | |
|--|--|
| | attacks. This level provides less security than "Authentication and High Level Encryption". |
| Authentication and High Level Encryption | Select this level if you want to encrypt the data packets as well as authenticate the transmission partner and prevent unauthorized packet tampering. Packet encryption helps prevent eavesdropping attacks. This level provides higher security than "Authentication and Low Level Encryption". |

The following table lists the settings that are automatically configured according to the security level.

| Setting | Authentication Only | Authentication and Low Level Encryption | Authentication and High Level Encryption |
|--|--|--|---|
| Security Policy | Apply | Apply | Apply |
| Encapsulation Mode | Transport | Transport | Transport |
| IPsec Requirement Level | Use When Possible | Use When Possible | Always Require |
| Authentication Method | PSK | PSK | PSK |
| Phase 1 Hash Algorithm | MD5 | SHA1 | SHA256 |
| Phase 1 Encryption Algorithm | DES | 3DES | AES-128-CBC |
| Phase 1 Diffie-Hellman Group | 2 | 2 | 2 |
| Phase 2 Security Protocol | AH | ESP | ESP |
| Phase 2 Authentication Algorithm | HMAC-SHA1-96/HMAC-SHA256-128/HMAC-SHA384-192/HMAC-SHA512-256 | HMAC-SHA1-96/HMAC-SHA256-128/HMAC-SHA384-192/HMAC-SHA512-256 | HMAC-SHA256-128/HMAC-SHA384-192/HMAC-SHA512-256 |
| Phase 2 Encryption Algorithm Permissions | Cleartext (NULL encryption) | 3DES/AES-128/AES-192/AES-256 | AES-128/AES-192/AES-256 |

| | | | |
|------------|----------|----------|---|
| Phase 2PFS | Inactive | Inactive | 2 |
|------------|----------|----------|---|

Encryption key auto exchange settings items

When you specify a security level, the corresponding security settings are automatically configured, but other settings, such as address type, local address, and remote address must still be configured manually.

After you specify a security level, you can still make changes to the auto configured settings. When you change an auto configured setting, the security level switches automatically to "User Setting".

| Setting | Description | Setting value |
|--------------------|--|---|
| Address Type | Specify the address type for which IPsec transmission is used. | <ul style="list-style-type: none"> Inactive IPv4 IPv6 IPv4/IPv6 (Default Settings only) |
| Local Address | Specify the machine's address. If you are using multiple addresses in IPv6, you can also specify an address range. | <p>The machine's IPv4 or IPv6 address.</p> <p>If you are not setting an address range, enter 32 after an IPv4 address, or enter 128 after an IPv6 address.</p> |
| Remote Address | Specify the address of the IPsec transmission partner. You can also specify an address range. | <p>The IPsec transmission partner's IPv4 or IPv6 address.</p> <p>If you are not setting an address range, enter 32 after an IPv4 address, or enter 128 after an IPv6 address.</p> |
| Security Policy | Specify how IPsec is handled. | <ul style="list-style-type: none"> Apply Bypass Discard |
| Encapsulation Mode | Specify the encapsulation mode. (auto setting) | <ul style="list-style-type: none"> Transport Tunnel <p>If you specify "Tunnel", you must then specify the "Tunnel End Point", which are the beginning and ending IP</p> |

| | | |
|------------------------------|---|---|
| | | addresses. Set the same address for the beginning point as you set in "Local Address". |
| IPsec Requirement Level | Specify whether to only transmit using IPsec or to allow cleartext transmission when IPsec cannot be established. (auto setting) | <ul style="list-style-type: none"> • Use When Possible • Always Require |
| Authentication Method | Specify the method for authenticating transmission partners. (auto setting) | <ul style="list-style-type: none"> • PSK • Certificate <p>If you specify "PSK", you must then set the PSK text (using ASCII characters).</p> <p>If you are using "PSK", specify a PSK password using up to 32 ASCII characters.</p> <p>If you specify "Certificate", the certificate for IPsec must be installed and specified before it can be used.</p> |
| PSK Text | Specify the pre-shared key for PSK authentication. | Enter the pre-shared key required for PSK authentication. |
| Phase 1 Hash Algorithm | Specify the Hash algorithm to be used in phase 1. (auto setting) | <ul style="list-style-type: none"> • MD5 • SHA1 • SHA256 • SHA384 • SHA512 |
| Phase 1 Encryption Algorithm | Specify the encryption algorithm to be used in phase 1. (auto setting) | <ul style="list-style-type: none"> • DES • 3DES • AES-128-CBC • AES-192-CBC • AES-256-CBC |
| Phase 1 Diffie-Hellman Group | Select the Diffie-Hellman group number used for IKE encryption key generation. (auto setting) | <ul style="list-style-type: none"> • 1 • 2 • 14 |

| | | |
|--|--|--|
| Phase 1 Validity Period | Specify the time period for which the SA settings in phase 1 are valid. | Set in seconds from 300 sec. (5 min.) to 172800 sec. (48 hrs.). |
| Phase 2 Security Protocol | Specify the security protocol to be used in Phase 2. To apply both encryption and authentication to sent data, specify "ESP" or "ESP+AH". To apply authentication data only, specify "AH". (auto setting) | <ul style="list-style-type: none"> • ESP • AH • ESP+AH |
| Phase 2 Authentication Algorithm | Specify the authentication algorithm to be used in phase 2. (auto setting) | <ul style="list-style-type: none"> • HMAC-MD5-96 • HMAC-SHA1-96 • HMAC-SHA256-128 • HMAC-SHA384-192 • HMAC-SHA512-256 |
| Phase 2 Encryption Algorithm Permissions | Specify the encryption algorithm to be used in phase 2. (auto setting) | <ul style="list-style-type: none"> • Cleartext (NULL encryption) • DES • 3DES • AES-128 • AES-192 • AES-256 |
| Phase 2 PFS | Specify whether to activate PFS. Then, if PFS is activated, select the Diffie-Hellman group. (auto setting) | <ul style="list-style-type: none"> • Inactive • 1 • 2 • 14 |
| Phase 2 Validity Period | Specify the time period for which the SA settings in phase 2 are valid. | Specify a period (in seconds) from 300 (5min.) to 172800 (48 hrs.). |

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