# Menu Route Map

## Column 1

**Preferences**

**Display Settings**
- **Default Screen After Startup/Restoration**
  - **Home**
  - Copy
  - Fax
  - Scan
  - Secure Print
  - Status Monitor
    - **Home**, Copy, Fax, Scan, Secure Print
- **Home Screen Button Display Settings**
  - Select Button to Display
    - Favorite Copy Settings
    - Favorite Fax Settings
    - Favorite Scan Settings
  - Set Display Order
- **Language**
  - Deutsch, **English**, Español, Français, Italiano, Português, 日本語, 中文(繁體), 中文(简体), 한국어
- **Remote UI Language**
  - **English**, Japanese, French, Spanish, German, Italian, Portuguese, Chinese (Simplified), Chinese (Traditional), Korean
- **Notify to Clean Orig. Scan Area**
  - Off, **On**
- **Millimeter/Inch Entry Switch**
  - Millimeter, **Inch**
- **Gram/Pound Switch**
  - Gram, **Pound**
- **Display Timing for Cart. Prep.**
  - Auto
    - Off
      - Custom
    - **On**
- **Display Notif. to Clean Fixing Assembly**
  - **Off**, On
- **Show Warnings**
  - **Off**, On
- **Action When Warning**
  - Low Cartridge Level
    - **Continue Printing**, Stop Printing
- **Display IP Address**
  - **Off**, On

**English Keyboard Layout**
- **USA Layout**
- **UK Layout**

**Timer/Energy Settings**
- **Current Date/Time Settings**
- **Date/Time Settings**
  - Time Zone
    - (UTC-12:00) International Date Line West to **(UTC-05:00) Eastern Time (US & Canada)** to (UTC+14:00) Kiritimati Island
  - Daylight Saving Time Settings
    - **Off**
    - On
      - Start: Month, Week, Day
      - End: Month, Week, Day
- **Date Format**
  - YYYY MM/DD, **MM/DD/YYYY**, DD/MM YYYY
- **Time Format**
  - **12 Hour (AM/PM)**, 24 Hour
- **Auto Reset Time**
  - Set This Function
    - Off
    - **On**
      - Set Time
        - 1 to **2** to 9 (min.)
- **Function After Auto Reset**
  - **Default Function**, Selected Function
- **Auto Sleep Time**
  - **1** to 120 (min.)
- **Auto Sleep Daily Timer**
  - Set This Function
    - Off
    - On
      - (0:00 to 12:59 AM/PM)
- **Sleep Mode Exit Time Settings**
  - Set This Function
    - **Off**
    - On
      - (0:00 to 12:59 AM/PM)

**Network**
- **Select Wired/Wireless LAN**
  - **Wired LAN**, Wireless LAN
- **Wireless LAN Settings**
  - SSID Settings
    - Select Access Point
    - Enter Manually
      - Security Settings
        - None
        - WEP
          - **Open System**
            - WEP Key 1 to 4
          - Shared Key
            - WEP Key 1 to 4
        - WPA/WPA2-PSK
          - **Auto**, AES-CCMP
  - WPS Push Button Mode
  - WPS PIN Code Mode
  - Power Save Mode
    - Off, **On**
  - Connection Information
    - MAC Address
    - Wireless LAN Status
    - Latest Error Information
    - Channel
    - SSID Settings
    - Security Settings
    - Power Save Mode
- **Direct Connection Settings**
  - Use Direct Connection
    - **Off**
    - On
      - Direct Connection Termination
        - Automatically Terminate Session
          - **Off**
          - On
            - Time Until Session Terminates
              - **1** to 60 (min.)
      - Access Point Mode Settings
        - Use Custom SSID
          - **Off**
          - On
            - SSID
        - Use Custom Network Key
          - **Off**
          - On
            - Network Key
      - Keep Enabled If SSID/Ntwk Key Spcfd*
        - **Off**, On
      - Config. IP Address For Direct Conn.
        - **192.168.22.1**
- **Easy Connection via PC**

## Column 2

**TCP/IP Settings**
- IPv4 Settings
  - IP Address Settings
    - Auto Acquire
      - Auto Acquire
        - Off
        - **On**
          - Select Protocol
            - Off, **DHCP**
          - Auto IP
            - Off, **On**
    - Manually Acquire*
      - IP Address: 0.0.0.0
      - Subnet Mask: 0.0.0.0
      - Gateway Address: 0.0.0.0
    - Check Settings
  - DHCP Option Settings
    - Acquire Host Name
      - Off, **On**
    - DNS Dynamic Update
      - **Off**, On
    - Acquire DNS Server Address
      - Off, **On**
    - Acquire Domain Name
      - Off, **On**
    - Acquire WINS Server Address
      - Off, **On**
    - Acquire SMTP Server Address
      - **Off**, On
    - Acquire POP Server Address
      - **Off**, On
  - PING Command
- IPv6 Settings
  - Use IPv6
    - **Off**
    - On
      - Stateless Address Settings
        - Stateless Address Settings
          - Off, **On**
        - Check Settings
          - Stateless Address
          - Prefix Length
      - DHCPv6 Settings
        - Use DHCPv6
          - **Off**, On
        - Check Settings
          - Stateful Address
          - Prefix Length
      - DHCP Option Settings
        - Acquire DNS Server Address
          - Off, **On**
        - Acquire Domain Name
          - Off, **On**
  - Check IPv6 Settings
- DNS Settings
  - IPv4 DNS Server Address Settings
    - Primary DNS Server: 0.0.0.0
    - Secondary DNS Server: 0.0.0.0
  - DNS Host Name/Domain Name Settings
    - IPv4
      - Host Name
      - Domain Name
    - IPv6
      - Use IPv4 Host/Domain
        - Off
          - Host Name
          - Domain Name
        - **On**
  - DNS Dynamic Update Settings
    - IPv4
      - DNS Dynamic Update
        - **Off**
        - On
          - DNS Dynamic Update Interval
            - 0 to **24** to 48 (hr.)
    - IPv6
      - DNS Dynamic Update
        - **Off**
        - On
          - Register Manual Address
            - **Off**, On
          - Register Stateful Address
            - **Off**, On
          - Register Stateless Address
            - **Off**, On
          - DNS Dynamic Update Interval
            - 0 to **24** to 48 (hr.)
  - mDNS Settings
    - IPv4
      - Use mDNS
        - Off
        - **On**
          - mDNS Name
    - IPv6
      - Use mDNS
        - Off
        - **On**
          - Use Same mDNS Name as IPv4
            - Off
              - mDNS Name
            - **On**
- WINS Settings
  - WINS Resolution
    - **Off**
    - On
      - WINS Server Address: 0.0.0.0
- LPD Settings
  - Use LPD Printing
    - Off, **On**
  - RX Timeout
    - 1 to **5** to 60 (min.)
- RAW Settings
  - Use RAW Printing
    - Off, **On**
  - RX Timeout
    - 1 to **5** to 60 (min.)
- WSD Settings
  - Use WSD Printing
    - Off, **On**
  - Use WSD Browsing
    - Off, **On**
  - Use WSD Scanning
    - **Off**, On
  - Use Computer Scanning
    - **Off**, On
  - Use Multicast Discovery
    - Off, **On**
- Use FTP PASV Mode
  - **Off**, On
- Use HTTP
  - Off, **On**
- Use IPSec
  - **Off**, On
- Port Number Settings
  - LPD
    - 1 to **515** to 65535
  - RAW
    - 1 to **9100** to 65535
  - WSD Multicast Discovery
    - 1 to **3702** to 65535
  - HTTP
    - 1 to **80** to 65535
  - Multicast Discovery
    - 1 to **427** to 65535
  - POP3
    - 1 to **110** to 65535
  - SMTP
    - 1 to **25** to 65535

## Column 3

- FTP
  - 1 to **21** to 65535
- SNMP
  - 1 to **161** to 65535
- MTU Size
  - 1300, 1400, **1500**

**SNMP Settings**
- SNMPv1 Settings
  - Off, **On**
- SNMPv3 Settings
  - **Off**, On
- Acquire Printer Mngt. Info. from Host
  - **Off**, On
- Format Host Rsrcs. MIB to RFC2790
  - **Off**, On

**Use Dedicated Port**
- Off, **On**

**Dedicated Port Auth. Method**
- **Mode 1**, Mode 2

**Wait Time for Conn. at Startup**
- **0** to 300 (sec.)

**Ethernet Driver Settings**
- Auto Detect
  - Off
    - Communication Mode
      - **Half Duplex**, Full Duplex
    - Ethernet Type
      - **10BASE**-T, 100BASE-TX, 1000BASE - T
- MAC Address

**Use IEEE 802.1X***
- **Off**, On

**Firewall Settings**
- IPv4 Address Filter
  - Outbound Filter
    - **Off**, On
  - Inbound Filter
    - **Off**, On
- IPv6 Address Filter
  - Outbound Filter
    - **Off**, On
  - Inbound Filter
    - **Off**, On
- MAC Address Filter
  - Outbound Filter
    - **Off**, On
  - Inbound Filter
    - **Off**, On

**Google Cloud Print Settings**
- Use Google Cloud Print
  - Off, **On**
- Google Cloud Print Regist. Status

**Device Settings Management**
- Off, **On**

**Monitoring Service***

**RMT-SW**
- **Off**, On

**Initialize Network Settings**

Settings marked with "*" may not be displayed depending on the model you are using, options, or other setting items.

**External Interface**

**USB Settings**
- Use as USB Device
  - Off, **On**
- Use USB Storage Device
  - Off, **On**

**Accessibility**

**Invert Screen Colors**
- **Off**, On

**Brightness**
- Five Levels

**Message Display Time**
- 1 to **2** to 5 (sec.)

**Adjustment/Maintenance**

**Adjust Image Quality**

**Adjust Copy Image**

**Printer Density**
- Nine Levels

**Toner Save**
- **Off**, On

**Black Text Processing for Color**
- Feeder
  - Seven Levels
- Platen Glass
  - Seven Levels

**Adjust Print Position**
- Multi-Purpose Tray
  - Adjust Vertically (Front Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))
  - Adjust Horizontally (Front Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))
  - Adjust Vertically (Back Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))
  - Adjust Horizontally (Back Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))
- Drawer 1
  - Adjust Vertically (Front Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))
  - Adjust Horizontally (Front Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))
  - Adjust Vertically (Back Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))
  - Adjust Horizontally (Back Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))
- Drawer 2*
  - Adjust Vertically (Front Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))
  - Adjust Horizontally (Front Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))
  - Adjust Vertically (Back Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))
  - Adjust Horizontally (Back Side)
    - -0.20" to **0.00"** to +0.20" (-5.0 to **0.0** to +5.0 (mm))

**Special Processing**
- Special Paper Processing
  - Manual Back Side Print (2-Sided Only)
    - Multi-Purpose Tray
      - **Off**, On
    - Drawer 1
      - **Off**, On
    - Drawer 2*
      - **Off**, On
  - Rough Surface Envelope Mode
    - **Off**, On
  - Paper Wrinkle Correction
    - **Off**, On
  - Paper Curl Correction
    - **Off**, On
  - Rdc. Tnr Flaking from Heavy Sml. Ppr
    - **Off**, On
  - Reduce Thin Paper Curling
    - **Off**, On
  - Reduce Ppr. Sticking at Output
    - **Off**, On
  - High Humidity Mode
    - **Off**, On
  - Low Humidity Mode
    - **Off**, Mode 1, Mode 2

## Column 4

- Reduce Ghosting 1
  - **Off**, On
- Rdc Condens. (Consec 2-Sd Prt)
  - **Off**, On
- Rdc. Wrinkles(Humidity)/Streaks
  - **Off**, On
- Quiet Mode
  - **Off**, On
- Correct Blurry Image
  - Off, **Mode 1**, Mode 2, Mode 3, Mode 4
- Correct Blurry Image for Copy
  - Off, **Mode 1**, Mode 2, Mode 3
- Rdc Blnk Space Dark. After Rplc Cart.
  - **Off**, On

**Remove Streaks from Scan Area**
- **Off**, On

Settings marked with "*" may not be displayed depending on the model you are using, options, or other setting items.

**Maintenance**

**Clean Fixing Assembly**

**Clean Feeder**

**Control Condensation**
- **Off**
- On
  - **Use Fax Memory Lock**, Use Fax Memory Lock + Do Not Allow Job Printing During Process

**Function Settings**

**Common**

**Paper Feed Settings**
- Paper Source Auto Selection
  - Copy
    - Multi-Purpose Tray
      - **Off**, On
    - Drawer 1
      - Off, **On**
    - Drawer 2*
      - Off, **On**
  - Printer
    - Multi-Purpose Tray
      - Off, **On**
    - Drawer 1
      - Off, **On**
    - Drawer 2*
      - Off, **On**
  - Receive/Fax
    - Multi-Purpose Tray
      - **Off**, On
    - Drawer 1
      - Off, **On**
    - Drawer 2*
      - Off, **On**
  - Other
    - Multi-Purpose Tray
      - **Off**, On
    - Drawer 1
      - Off, **On**
    - Drawer 2*
      - Off, **On**
- Switch Paper Feed Method
  - Multi-Purpose Tray
    - **Speed Priority**, Print Side Priority
  - Drawer 1
    - **Speed Priority**, Print Side Priority
  - Drawer 2*
    - **Speed Priority**, Print Side Priority

**Print Settings**
- Auto Delete Suspended Jobs
  - Set This Function
    - **Off**
    - On
      - Set Time
        - 0 to **5** to 240 (min.)

**Scan Settings**
- Auto Online
  - Off, **On**
- Auto Offline
  - Set This Function
    - Off
    - **On**
      - Set Time
        - 1 to **5** to 60 (min.)

**Generate File**
- Output File Image Settings
  - YCbCr TX Gamma Value
    - Gamma 1.0, Gamma 1.4, **Gamma 1.8**, Gamma 2.2
- OCR (Text Searchable) Settings
  - Smart Scan
    - **Off**, On
- 256-bit AES Set. (Encrypt. PDF)*
  - Acrobat 9.0 or Equivalent, **Acrobat 10.0 or Equivalent**

**Fax Setup Guide**

Settings marked with "*" may not be displayed depending on the model you are using, options, or other setting items.

**Copy**

**Change Default Settings (Copy)**
- Number of Copies
  - **1** to 999
- Paper Source
  - Multi-Purpose Tray, **Drawer 1**, Drawer 2*, Auto Select Paper (LTR/LGL)
- Density
  - Nine Levels
  - Adjust Background Density
    - Auto
    - **Adjust (Manual)**
      - Nine Levels
- Copy Ratio
  - Custom Ratio, **100% Direct**, Auto, 400% Max, 200%, 129% STMT->LTR, 78% LGL->LTR, 64% LTR->STMT, 50%, 25% Min
- 2-Sided Printing
  - **Off**, 1-Sided->2-Sided, 2-Sided->2-Sided, 2-Sided->1-Sided, Orig./Fin. Type
- N on 1
  - **Off**, 2 on 1, 4 on 1, Layout
- Original Type
  - Text, **Text/Photo**, Text/Photo (High Quality), Photo
- Collate
  - Off, **On**
- Erase Frame
  - **Off**, On
- Sharpness
  - Seven Levels

Settings marked with "*" may not be displayed depending on the model you are using, options, or other setting items.

**Printer**

**Printer Settings**
- Prioritize Driver Settings When Printing
  - Multi-Purpose Tray
    - Prioritize Driver Settings
      - **Off**
      - On
        - Action When Size Mismatch
          - Force Output, **Display Error**
  - Drawer 1
    - Prioritize Driver Settings
      - **Off**
      - On

**Column 1**

- Action When Size Mismatch
  - **Force Output**, Display Error
- Drawer 2*
  - Prioritize Driver Settings
    - **Off**
    - On
      - Action When Size Mismatch
        - **Force Output**, Display Error
- Copies
  - **1** to 999
- 2-Sided Printing
  - **Off**, On
- Default Paper
- Paper Size Override
  - **Off**, On
- Print Quality
  - Density*
    - 17 Levels
    - Fine Adjust
      - High/Medium/Low
        - 17 Levels
  - Toner Save
    - **Off**, On
  - Image Refinement
    - Off, **On**
  - Resolution
    - 1200 dpi, **600 dpi**
- Layout
  - Binding Location
    - **Long Edge**, Short Edge
  - Gutter
    - -1.90 to **0.00** to +1.90 (inches) or -50.0 to **00.0** to +50.0 (mm)
  - Offset Short Edge (Front)
    - -2.00 to **0.00** to +2.00 (inches) or -50.0 to **00.0** to +50.0 (mm)
  - Offset Long Edge (Front)
    - -2.00 to **0.00** to +2.00 (inches) or -50.0 to **00.0** to +50.0 (mm)
  - Offset Short Edge (Back)
    - -2.00 to **0.00** to +2.00 (inches) or -50.0 to **00.0** to +50.0 (mm)
  - Offset Long Edge (Back)
    - -2.00 to **0.00** to +2.00 (inches) or -50.0 to **00.0** to +50.0 (mm)
- Auto Skip Error
  - **Off**, On
- Timeout
  - 5 to **15** to 300 (sec.)
- Personality
  - **Auto**, PS*, PCL, PDF, XPS, Imaging
- Prioritize MP Tray
  - **Off**, On
- UFR II
  - Halftones
    - Resolution/Gradation
      - Text
        - **Resolution**, Color Tone, Gradation, High Resolution
      - Graphics
        - Resolution, **Color Tone**, Gradation, High Resolution
      - Image
        - Resolution, **Color Tone**, Gradation, High Resolution
  - Paper Save
    - Off, **On**
- PCL
  - Paper Save
    - **Off**, On
  - Orientation
    - **Portrait**, Landscape
  - Font Number
    - 0 to 104 (MF449dw / MF448dw)
    - **0** to 54 (MF445dw)
  - Point Size*
    - 4.00 to **12.00** to 999.75 (point)
  - Pitch*
    - 0.44 to **10.00** to 99.99 (cpi)
  - Form Lines
    - 5 to **60** to 128 (lines)
  - Character Code (MF449dw / MF448dw)
    - ARABIC8, DESKTOP, GREEK8, HEBREW7, HEBREW8, ISO4, ISO6, ISO11, ISO15, ISO17, ISO21, ISO60, ISO69, ISOCYR, ISOGRK, ISOHEB, ISOL1, ISOL2, ISOL5, ISOL6, ISOL9, LEGAL, MATH8, MCTEXT, MSPUBL, PC775, **PC8**, PC850, PC851, PC852, PC858, PC862, PC864, PC866, PC8DN, PC8GRK, PC8TK, PC1004, PIFONT, PSMATH, PSTEXT, ROMAN8, ROMAN9, VNINTL, VNMATH, VNUS, WIN30, WINARB, WINBALT, WINCYR, WINGRK, WINL1, WINL2, WINL5
  - Character Code (MF445dw)
    - DESKTOP, ISO4, ISO6, ISO11, ISO15, ISO17, ISO21, ISO60, ISO69, ISOL1, ISOL2, ISOL5, ISOL6, ISOL9, LEGAL, MATH8, MCTEXT, MSPUBL, PC775, **PC8**, PC850, PC852, PC858, PC8DN, PC8TK, PC1004, PIFONT, PSMATH, PSTEXT, ROMAN8, ROMAN9, VNINTL, VNMATH, VNUS, WIN30, WINBALT, WINL1, WINL2, WINL5
  - Custom Paper
    - **Off**, On
  - Unit of Measure*
    - Millimeter, **Inch**
  - X dimension*
    - 3 to **8 1/2** (inches) or 77 to **216** (mm)
  - Y dimension*
    - 5 to **14** (inches) or 127 to **355** (mm)
  - Append CR to LF
    - Yes, **No**
  - Enlarge A4 Print Width
    - **Off**, On
  - Halftones
    - Resolution/Gradation
      - Text
        - **Resolution**, Color Tone, Gradation, High Resolution
      - Graphics
        - Resolution, **Color Tone**, Gradation, High Resolution
      - Image
        - Resolution, **Color Tone**, Gradation, High Resolution
  - BarDIMM*
    - **Disable**, Enable
  - FreeScape*
    - Off, **~**, ", #, $, /, \, ?, {, }, |
- PS*
  - Job Timeout
    - **0** to 3600 (sec.)
  - Print PS Errors
    - **Off**, On
  - Halftones
    - Resolution/Gradation
      - Text
        - **Resolution**, Gradation, High Resolution
      - Graphics
        - **Resolution**, Gradation, High Resolution
      - Image
        - **Resolution**, Gradation, High Resolution
  - Grayscale Conversion
    - sRGB, **NTSC**, Uniform RGB
  - PS Password Settings
    - SystemParamsPassword
    - StartJobPassword
- Imaging Settings
  - Halftones
    - **Gradation**, Resolution, High Resolution
- PDF
  - Enlarge/Reduce to Fit Paper Size
    - **Off**, On
  - Enlarge Print Area
    - **Off**, On

**Column 2**

- N on 1
  - **Off**, 2 on 1, 4 on 1, 6 on 1, 8 on 1, 9 on 1, 16 on 1
- Print Comments
  - **Off**, **Auto**
- Halftones
  - Resolution/Gradation
    - Text
      - **Resolution**, Gradation, High Resolution
    - Graphics
      - **Resolution**, Gradation, High Resolution
    - Image
      - **Resolution**, Gradation, High Resolution
- Grayscale Conversion
  - sRGB, **NTSC**, Uniform RGB
- XPS
  - Halftones
    - Resolution/Gradation
      - Text
        - **Resolution**, Gradation, High Resolution
      - Graphics
        - **Resolution**, Gradation, High Resolution
      - Image
        - **Resolution**, Gradation, High Resolution
  - Grayscale Conversion
    - Text/Graphics/Image
      - sRGB, **NTSC**, Uniform RGB
  - Paper Save
    - **Off**, On
  - Compressed Image Output
    - **Output**, Display Error

### PDL Selection (Plug and Play)

- Network
  - FAX, **UFR II**, UFR II (V4), PCL6, PCL6 (V4), PS*
- USB
  - **UFR II**, UFR II (V4), PCL6, PCL6 (V4), PS*

*Settings marked with "*" may not be displayed depending on the model you are using, options, or other setting items.*

### Send

#### Common Settings

- Restrict New Destinations
  - **Off**, On
- Restrict Resending from Log
  - **Off**, On
- Confirm When Coded Dial TX
  - **Off**, On
- Confirm Dest. Before Sending
  - **Off**, On, Only for Sequential Broadcast

#### Scan and Send Settings

- Register Unit Name
- E-Mail Settings
  - Change Default Settings (E-Mail)
    - Scan Size
      - **LTR**, LGL, STMT, EXEC, FOOLSCAP/FOLIO, OFICIO, LETTER (Government), LEGAL (Government), LEGAL (India), FOOLSCAP (Australia), OFICIO (Brazil), OFICIO (Mexico), A4, A5R, A6, B5
    - File Format
      - **PDF**
      - PDF (Compact)
      - PDF (Compact/OCR)
      - PDF (OCR)
      - Set PDF Details
        - PDF/PDF (Compact)/PDF (Compact/OCR)/PDF (OCR)
          - Encryption*
            - **None**, Acrobat 7.0 or Later/128-bit AES, Acrobat 9.0 or Equivalent/256-bit AES*, Acrobat 10.0 or Equivalent/256-bit AES*
          - Digital Signatures*
            - **None**, Top Left
          - Divide into Pages
            - **Off**, On
      - JPEG
      - TIFF
      - Set TIFF Details
        - Divide into Pages
          - **Off**, On
    - Density
      - Nine Levels
    - Original Orientation
      - **Portrait**, Landscape
    - Original Type
      - Text, **Text/Photo**, Photo
    - 2-Sided Original
      - **Off**, Book Type, Calendar Type
    - Sharpness
      - Seven Levels
    - Data Size
      - Small: Memory Priority, **Standard**, Large: Image Quality Priority
    - Subject/Message
      - Subject
      - Message
    - Reply To
      - **None**, Specify from Address Book
    - Priority
      - Low, **Standard**, High
- Link Mobile Device Addr. Book
  - Link Mobile Device Address Book
    - **Off**
    - On
      - Use Remote UI Access PIN
        - Off, **On**
- I-Fax Settings
  - Change Default Settings (I-Fax)
    - Scan Size
      - **LTR**, LGL, STMT, EXEC, FOOLSCAP/FOLIO, OFICIO, LETTER (Government), LEGAL (Government), LEGAL (India), FOOLSCAP (Australia), OFICIO (Brazil), OFICIO (Mexico), A4, A5R, A6, B5
    - Density
      - Nine Levels
    - Original Type
      - **Text**, Text/Photo, Photo
    - 2-Sided Original
      - **Off**, Book Type, Calendar Type
    - Sharpness
      - Seven Levels
    - Subject/Message
      - Subject
      - Message
    - Reply To
      - **None**, Specify from Address Book
  - TX Terminal ID
    - Add TX Terminal ID
      - Off
      - **On**
        - Print Position
          - Inside Image Area, **Outside Image Area**
- File Settings
  - Change Default Settings (File)
    - Scan Size
      - **LTR**, LGL, STMT, EXEC, FOOLSCAP/FOLIO, OFICIO, LETTER (Government), LEGAL (Government), LEGAL (India), FOOLSCAP (Australia), OFICIO (Brazil), OFICIO (Mexico), A4, A5R, A6, B5
    - File Format
      - **PDF**
      - PDF (Compact)
      - PDF (Compact/OCR)
      - PDF (OCR)
      - Set PDF Details
        - PDF/PDF (Compact)/PDF (Compact/OCR)/PDF (OCR)

**Column 3**

- Encryption*
  - **None**, Acrobat 7.0 or Later/128-bit AES, Acrobat 9.0 or Equivalent/256-bit AES*, Acrobat 10.0 or Equivalent/256-bit AES*
- Digital Signatures*
  - **None**, Top Left
- Divide into Pages
  - **Off**, On
- JPEG
- TIFF
- Set TIFF Details
  - Divide into Pages
    - **Off**, On
- Density
  - Nine Levels
- Original Orientation
  - **Portrait**, Landscape
- Original Type
  - Text, **Text/Photo**, Photo
- 2-Sided Original
  - **Off**, Book Type, Calendar Type
- Sharpness
  - Seven Levels
- Data Size
  - Small: Memory Priority, **Standard**, Large: Image Quality Priority

#### Fax Settings

- Change Default Settings (Fax)
  - Resolution
    - **200 x 100 dpi (Normal)**, 200 x 200 dpi (Fine), 200 x 200 dpi (Photo), 200 x 400 dpi (Superfine), 400 x 400 dpi (Ultrafine)
  - Density
    - Nine Levels
  - 2-Sided Original*
    - **Off**, Book Type, Calendar Type
  - Sharpness
    - Seven Levels
- Off-Hook Alarm
  - **0** to 3
- ECM TX
  - Off, **On**
- Set Pause Time
  - 1 to **2** to 15 (sec.)
- Auto Redial
  - Use Auto Redial
    - Off
    - **On**
      - Number of Times to Redial
        - 1 to **2** to 10 (time(s))
      - Redial Interval
        - **2** to 99 (min.)
      - Redial When Error Occurs
        - Off, **On**
- Check Dial Tone Before Send
  - **Off**, On
- Set Line
  - Register Unit Tel. Number
  - Register Unit Name
  - Select Line Type
    - Pulse, **Tone**
- TX Start Speed
  - **33600 bps**, 14400 bps, 9600 bps, 7200 bps, 4800 bps, 2400 bps
- Archive TX Document
  - Archive TX Document
    - **Off**
    - On
      - Archive Address, File Name
- Confirm Entered Fax Number
  - **Off**, On
- Allow Fax Driver TX
  - Off, **On**
- Use Addr. Book When On-Hook
  - **Do Not Allow After Num. Key Use**, Always Allow
- Restrict Sequential Broadcast
  - **Off**, On
- Register Log Dest to Addr Book
  - **Allow**, Do Not Allow
- TX Terminal ID
  - Add TX Terminal ID
    - Off
    - **On**
      - Print Position
        - Inside Image Area, **Outside Image Area**
      - Mark Number As
        - **Fax**, Tel
- Auto Adjust VoIP Comm. Speed

*Settings marked with "*" may not be displayed depending on the model you are using, options, or other setting items.*

### Receive/Forward

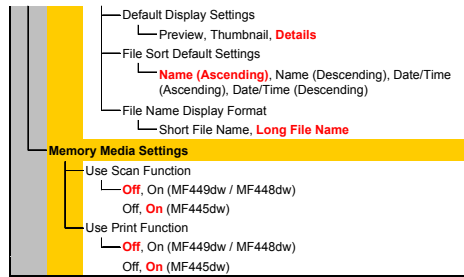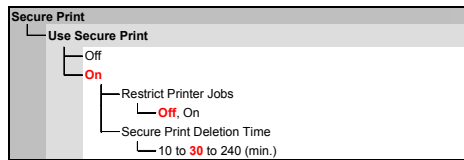#### Common Settings

- Set Fax/I-Fax Inbox
  - Fax Memory Lock Settings
    - Use Memory Lock
      - **Off**
      - On
        - Use Fax Preview
          - **Off**, On
        - Report Print
          - Off, **On**
        - Set Memory Lock Time
          - **Off**, On
        - Memory Lock Time
          - Memory Lock Start Time
          - Memory Lock End Time
- Continue Print. When Cart. Low
  - **Off**, On

#### I-Fax Settings

- Print on Both Sides
  - **Off**, On
- RX Print Size
  - **LTR**, LGL, FOOLSCAP/FOLIO, OFICIO, LETTER (Government), LEGAL (Government), LEGAL (India), FOOLSCAP (Australia), OFICIO (Brazil), OFICIO (Mexico), A4

#### Fax Settings

- Print on Both Sides
  - **Off**, On
- ECM RX
  - Off, **On**

**Column 4**

- Incoming Ring
  - Use Incoming Ring
    - Off
    - **On**
      - Number of Rings
        - 1 to **2** to 99 (time(s))
- Remote RX
  - Use Remote RX
    - Off
    - **On**
      - Remote RX ID
        - 00 to **25** to 99
- Switch to Auto RX
  - Use Switch to Auto RX
    - **Off**
    - On
      - Ring Time Until Auto RX
        - 1 to **15** to 99 (sec.)
- RX Start Speed
  - **33600 bps**, 14400 bps, 9600 bps, 7200 bps, 4800 bps, 2400 bps
- Use Reduce RX Size
  - Use Reduce RX Size
    - Off
    - **On**
      - Reduction Ratio
        - **Auto**, 97%, 95%, 90%, 75%
      - Reduction Direction
        - Vertical/Horizontal, **Vertical Only**
- Print RX Page Footer
  - **Off**, On
- Forwarding Settings
  - Forwarding Function
    - Use Forwarding Function
      - **Off**
      - On
        - Forwarding Destination, File Name
  - Print Images
    - Off, **On**, Only When Error Occurs
  - Store Images in Memory
    - **Off**, Only When Error Occurs

### Store/Access Files

#### Common Settings

- Scan and Store Settings
  - USB Memory Settings
    - Change Default Settings (USB Memory)
      - Scan Size
        - **LTR**, LGL, STMT, EXEC, FOOLSCAP/FOLIO, OFICIO, LETTER (Government), LEGAL (Government), LEGAL (India), FOOLSCAP (Australia), OFICIO (Brazil), OFICIO (Mexico), A4, A5R, A6, B5
      - File Format
        - **PDF**
        - PDF (Compact)
        - PDF (Compact/OCR)
        - PDF (OCR)
        - Set PDF Details
          - PDF/PDF (Compact)/PDF (Compact/OCR)/PDF (OCR)
            - Encryption*
              - **None**, Acrobat 7.0 or Later/128-bit AES, Acrobat 9.0 or Equivalent/256-bit AES*, Acrobat 10.0 or Equivalent/256-bit AES*
            - Digital Signatures*
              - **None**, Top Left
            - Divide into Pages
              - **Off**, On
        - JPEG
        - TIFF
        - Set TIFF Details
          - Divide into Pages
            - **Off**, On
      - Density
        - Nine Levels
      - Original Orientation
        - **Portrait**, Landscape
      - Original Type
        - Text, **Text/Photo**, Photo
      - 2-Sided Original
        - **Off**, Book Type, Calendar Type
      - Sharpness
        - Seven Levels
      - Data Size
        - Small: Memory Priority, **Standard**, Large: Image Quality Priority
- Access Stored Files Settings
  - Change Default Settings (Memory Media Print)
    - Paper
      - Multi-Purpose Tray, **Drawer 1**, Drawer 2*
    - Number of Copies
      - **1** to 999
    - 2-Sided Printing
      - **Off**, Book Type, Calendar Type
    - Print Quality
      - Density
        - 17 Levels
        - Fine Adjust
          - High/Medium/Low
            - 17 Levels
      - Toner Save
        - **Off**, On
      - Image Refinement
        - Off, **On**
      - Resolution
        - 1200 dpi, **600 dpi**
    - Set JPEG/TIFF Details
      - Brightness
        - Five Levels
      - N on 1
        - **Off**, 2 on 1, 4 on 1
      - Original Type
        - **Photo Priority**, Text Priority
      - Halftones
        - Gradation, **Error Diffusion**
    - Set PDF Details
      - N on 1
        - **Off**, 2 on 1, 4 on 1, 6 on 1, 8 on 1, 9 on 1, 16 on 1
      - Print Range
        - **All Pages**, Specified Pages
      - Enlarge/Reduce to Fit Paper Size
        - **Off**, On
      - Enlarge Print Area
        - **Off**, On
      - Print Comments
        - Off, **Auto**
      - Other Settings
        - Halftones
          - Resolution/Gradation
            - Text
              - **Resolution**, Gradation, High Resolution
            - Graphics
              - **Resolution**, Gradation, High Resolution
            - Image
              - **Resolution**, Gradation, High Resolution
        - Grayscale Conversion
          - sRGB, **NTSC**, Uniform RGB

**Default Display Settings**
└─ Preview, Thumbnail, **Details**

**File Sort Default Settings**
└─ **Name (Ascending)**, Name (Descending), Date/Time (Ascending), Date/Time (Descending)

**File Name Display Format**
└─ Short File Name, **Long File Name**

**Memory Media Settings**
- Use Scan Function
  └─ **Off**, On (MF449dw / MF448dw)
  └─ Off, **On** (MF445dw)
- Use Print Function
  └─ **Off**, On (MF449dw / MF448dw)
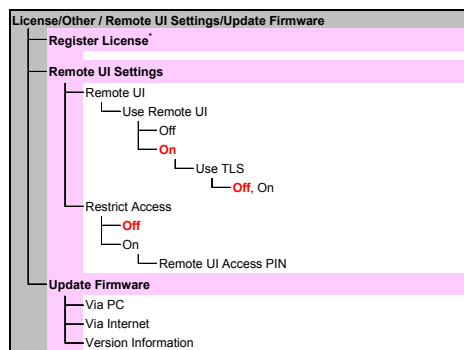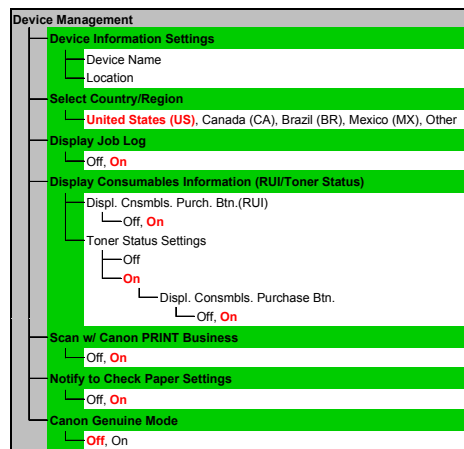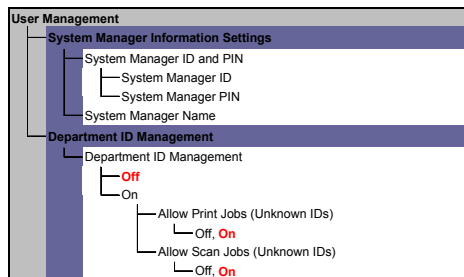  └─ Off, **On** (MF445dw)

Settings marked with "*" may not be displayed depending on the model you are using, options, or other setting items.

---

**Secure Print**

└─ **Use Secure Print**
  ├─ Off
  └─ **On**
    ├─ Restrict Printer Jobs
    │  └─ **Off**, On
    └─ Secure Print Deletion Time
       └─ 10 to **30** to 240 (min.)

---

## Set Destination

---

**Address Book PIN**

---

## Management Settings

---

**User Management**

└─ **System Manager Information Settings**
  ├─ System Manager ID and PIN
  │  ├─ System Manager ID
  │  └─ System Manager PIN
  └─ System Manager Name

**Department ID Management**
└─ Department ID Management
  ├─ **Off**
  └─ On
    ├─ Allow Print Jobs (Unknown IDs)
    │  └─ Off, **On**
    └─ Allow Scan Jobs (Unknown IDs)
       └─ Off, **On**

---

**Device Management**

└─ **Device Information Settings**
  ├─ Device Name
  └─ Location

**Select Country/Region**
└─ **United States (US)**, Canada (CA), Brazil (BR), Mexico (MX), Other

**Display Job Log**
└─ Off, **On**

**Display Consumables Information (RUI/Toner Status)**
├─ Displ. Cnsmbls. Purch. Btn.(RUI)
│  └─ Off, **On**
└─ Toner Status Settings
   ├─ Off
   └─ **On**
      └─ Displ. Consmbls. Purchase Btn.
         └─ Off, **On**

**Scan w/ Canon PRINT Business**
└─ Off, **On**

**Notify to Check Paper Settings**
└─ Off, **On**

**Canon Genuine Mode**
└─ **Off**, On

---

**License/Other / Remote UI Settings/Update Firmware**

├─ **Register License***
├─ **Remote UI Settings**
│  ├─ Remote UI
│  │  └─ Use Remote UI
│  │     ├─ Off
│  │     └─ **On**
│  │        └─ Use TLS
│  │           └─ **Off**, On
│  └─ Restrict Access
│     ├─ **Off**
│     └─ On
│        └─ Remote UI Access PIN
└─ **Update Firmware**
   ├─ Via PC
   ├─ Via Internet
   └─ Version Information

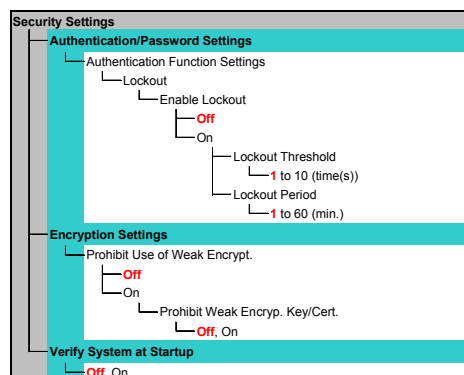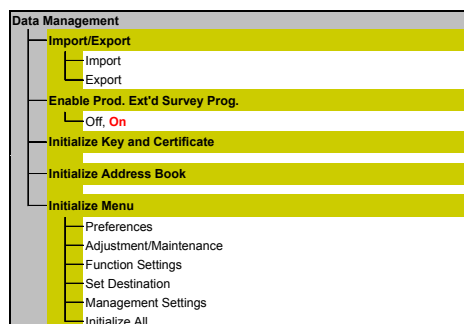Settings marked with "*" may not be displayed depending on the model you are using, options, or other setting items.

---

**Data Management**

├─ **Import/Export**
│  ├─ Import
│  └─ Export
├─ **Enable Prod. Ext'd Survey Prog.**
│  └─ Off, **On**
├─ **Initialize Key and Certificate**
├─ **Initialize Address Book**
└─ **Initialize Menu**
   ├─ Preferences
   ├─ Adjustment/Maintenance
   ├─ Function Settings
   ├─ Set Destination
   ├─ Management Settings
   └─ Initialize All

---

**Security Settings**

├─ **Authentication/Password Settings**
│  └─ Authentication Function Settings
│     └─ Lockout
│        └─ Enable Lockout
│           ├─ **Off**
│           └─ On
│              ├─ Lockout Threshold
│              │  └─ **1** to 10 (time(s))
│              └─ Lockout Period
│                 └─ **1** to 60 (min.)
├─ **Encryption Settings**
│  └─ Prohibit Use of Weak Encrypt.
│     ├─ **Off**
│     └─ On
│        └─ Prohibit Weak Encryp. Key/Cert.
│           └─ **Off**, On
└─ **Verify System at Startup**
   └─ **Off**, On

---

**Initialize All Data/Settings**