



Microsoft Entra ID Integration Guide

Contents

1. About the Contents of this Guide	3
1.1. Please Note.....	3
1.2. Warning	3
2. About the Microsoft Entra ID Integration Function.....	4
3. Before using the Microsoft Entra ID Integration Function	5
3.1. Required Settings for Multifunctional Printers	5
3.1.1. Microsoft Entra ID settings	5
3.1.2. Authentication settings	6
3.1.3. Password Policy Settings	6
4. Management operations by Microsoft Entra ID administrator.....	7
5. Using the Microsoft Entra ID Integration Function	9
5.1. Initial Login by User.....	9
5.2. Second and Subsequent Logins by User.....	10
5.3. If the User Forgets the Device Password.....	10
5.4. Setting the Printer Driver by User	11
5.5. Logging In to a Multifunctional Printer's Built-in Web Server	11

1. About the Contents of this Guide

This guide describes how to set up and use the integration functions of Microsoft Entra ID.

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- * Other company names, logos and product names contained in this document are trademarks or registered trademarks of their respective owners.

1.1. Please Note

- The explanations in this guide assume that the person who will install the product and the users of the product have a working knowledge of the computers which are to be used.
- For information on your operating system, please refer to your operating system manual or the online Help function.
- This guide includes general explanations for products other than the model which you are using. Note that explanations are given for some functions which are not available in the model which you are using.
- Considerable care has been taken in preparing this manual. If you have any comments or concerns about the manual, please contact your dealer or nearest SHARP Service Department.
- This product has undergone strict quality control and inspection procedures. In the unlikely event that a defect or other problem is discovered, please contact your dealer or nearest SHARP Service Department listed in the Startup Guide.
- Aside from instances provided for by law, SHARP is not responsible for failures occurring during the use of the product or its options, or failures due to incorrect operation of the product and its options, or other failures, or for any damage that occurs due to use of the product caused by the customer or any third party.

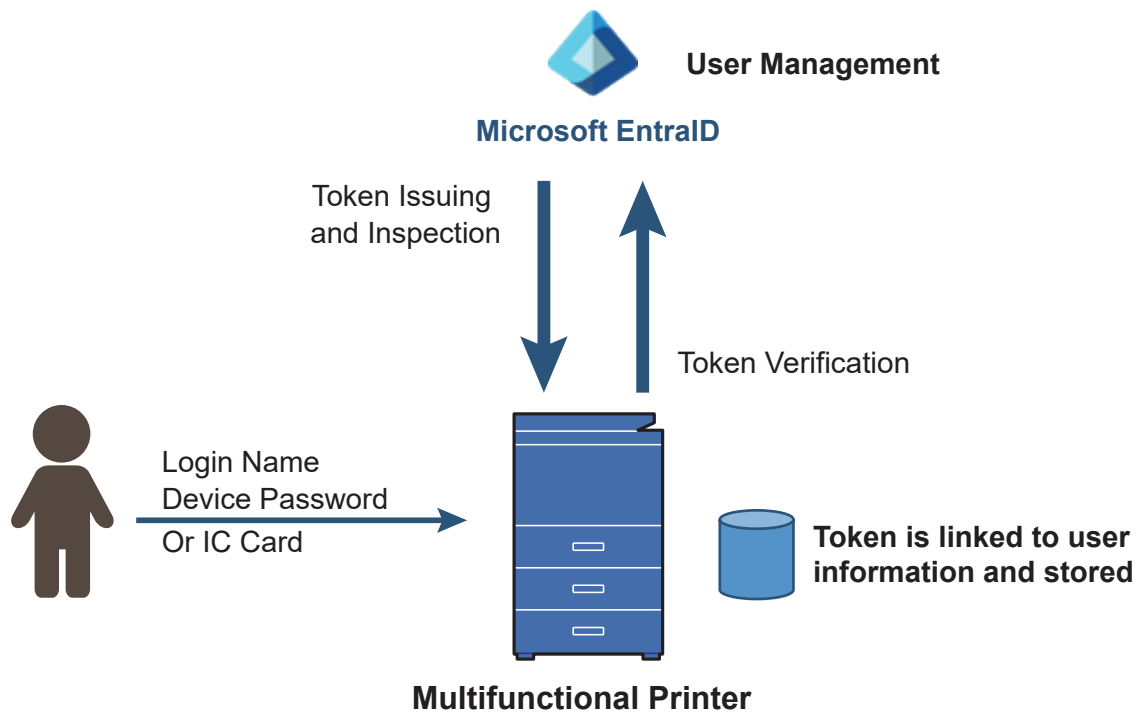
1.2. Warning

- Reproduction, adaptation or translation of the contents of the manual without prior written permission is prohibited, except as allowed under copyright laws.
- All information in this manual is subject to change without notice.

- * The display screens, messages, and key names shown in this manual may differ from those on the actual machine due to product improvements and modifications. Make sure you are aware of this before use.
- * The explanations contained in this manual assume that you are able to use fax functions and Internet fax functions. However, fax functions and Internet fax functions may not be available depending on the model.
- * The touch panels, illustrations and setting screens shown in this guide are for reference purposes only, and may differ depending on the model you are using, the options which have been installed, changes occurring since shipment or the country or region of use.
- * The explanations in this guide are based on a Full-color Multifunctional System. If using a Monochrome Multifunctional System, some explanations may vary.

2. About the Microsoft Entra ID Integration Function

- Microsoft Entra ID can be used to carry out user management.
- For authentication with Microsoft Entra ID integration, the user is authenticated at the initial operation panel and a token is issued to them by Microsoft Entra ID. At this time, the token and the user information (login name, device password and IC card information) are linked together and stored in the Multifunctional Printer.
- Once the user has been authenticated and the token has been issued, Microsoft Entra ID verifies the token, and if the correct user information has been entered and the token is valid, the login is successful.
- If the token is invalid, authentication needs to be carried out again.



3. Before using the Microsoft Entra ID Integration Function

This describes the settings which need to be made before using the Microsoft Entra ID integration function.

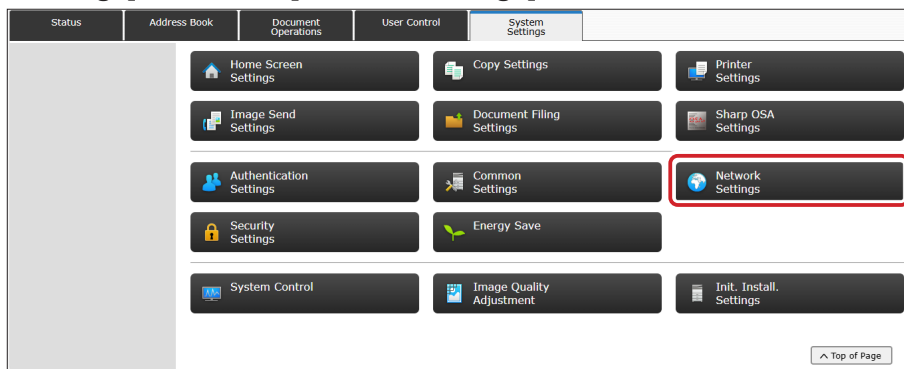
3.1. Required Settings for Multifunctional Printers

3.1.1. Microsoft Entra ID settings

1. Display setting mode.

* Refer to the User Manual for the procedure for displaying setting mode.

2. In the [System Settings] tab, select [Network Settings].

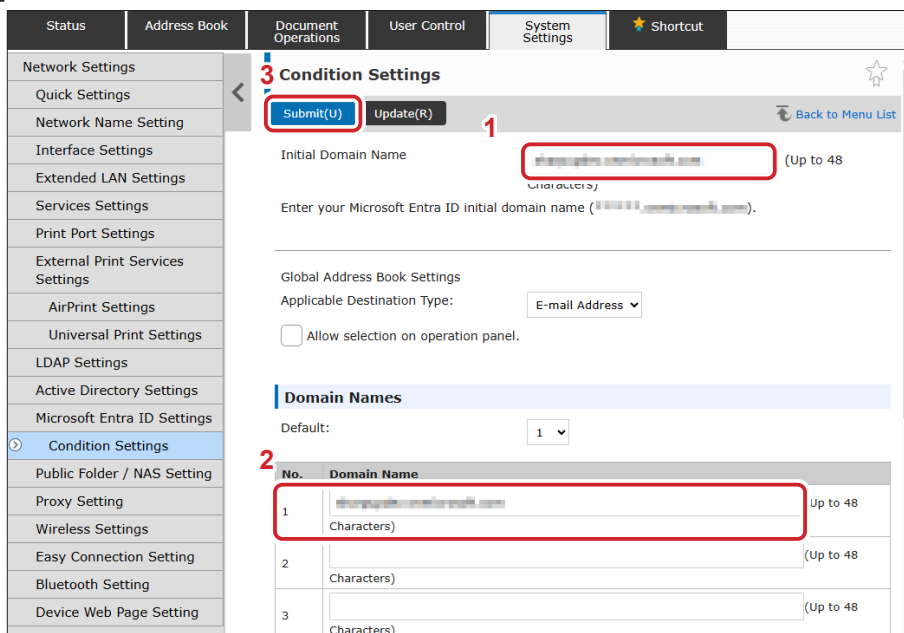


3. Select [Microsoft Entra ID settings].

4. Enter the initial domain name for your Microsoft Entra ID as the initial domain name.

5. Enter the domain to be used for user authentication in the domain name list.

6. Click [Submit].



3.1.2. Authentication settings

1. Select [Authentication settings].
2. User authentication will change to [Enable].
3. Select [Microsoft Entra ID] as the authenticator server setting.
4. Click [Submit].

* When authentication is carried out using an IC card, separate settings for the IC card will be necessary.

3.1.3. Password Policy Settings

The device password which has been set for this function complies with the password policy settings.

Make the following changes when setting password policies.

- [Security Settings] > [Authentication Settings] > [Password Policy Settings]

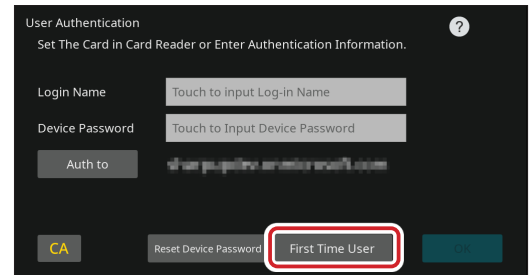
4. Management operations by Microsoft Entra ID administrator

Management operations must be carried out by the administrator for the corresponding Microsoft Entra ID tenant in order to use Microsoft Entra ID integration. Management operations can be carried out once the administrator of the Microsoft Entra ID tenant has registered a new account as a user of Microsoft Entra ID integration.

- If there are multiple Sharp Multifunctional Printers connected to the network, it is only necessary to carry out authorization operations on one of the Multifunctional Printers, and all other Multifunctional Printers can then be used without the need to repeat the authorization operations.

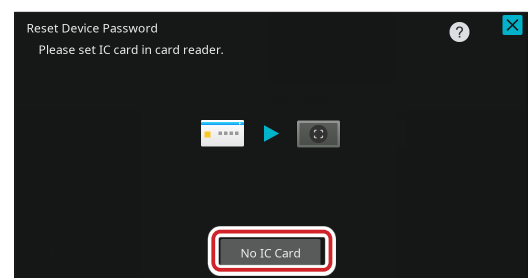
1. Tap [First Time User] in the [User Authentication] screen on the Multifunctional Printer operating panel.

* A different screen will be displayed when only an IC card is used for authentication.



2. Insert your IC card into the IC card reader.

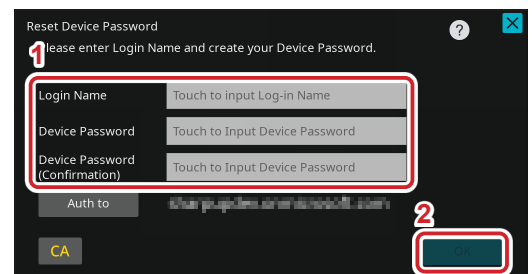
* If the administrator is not using an IC card, touch [No IC Card].



3. Enter your [Login Name] and [Device Password], and then tap [OK].

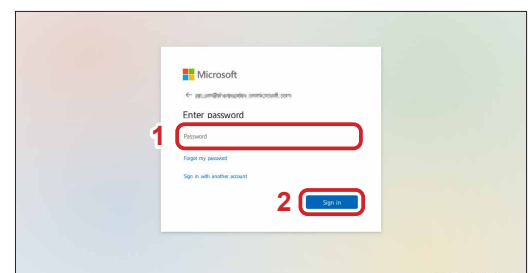
* The login name is the principal name for the administrator of the Microsoft Entra ID tenant (e.g.: admin@example.com). If you do not enter anything after the @ mark as the login name, the domain name which is selected in [Auth to] will be entered to complete the login name.

* The device password is set separately for each Multifunctional Printer, and so it is different from your Microsoft Entra ID password.



4. Enter your password for Microsoft Entra ID, and then tap [Sign in].

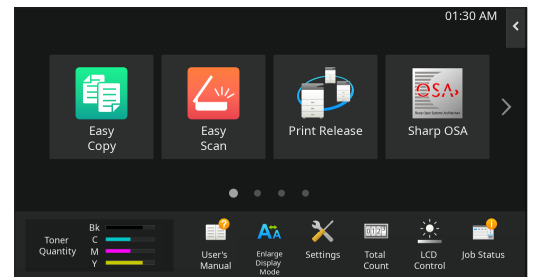
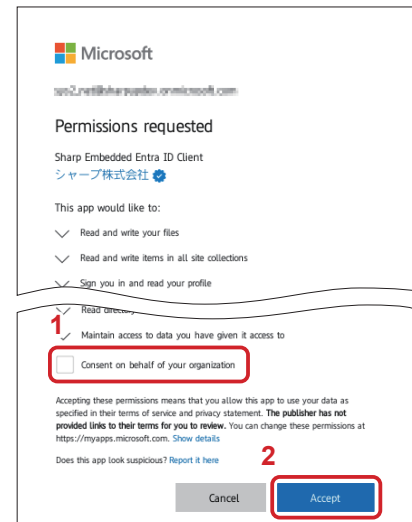
* A list of the required access permissions for Microsoft Entra ID integration will be displayed.



5. Select the [Consent on behalf of your organization] check box and then tap [Accept].

This operation will allow users of the Microsoft Entra ID tenant to use Microsoft Entra ID integration.

* A token will be issued by Microsoft Entra ID and the home screen will be displayed.



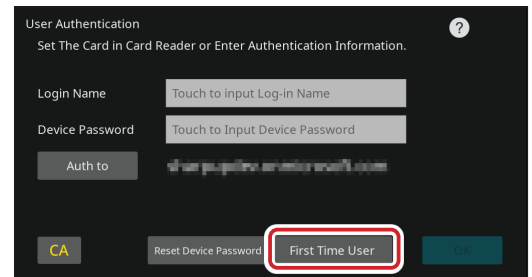
- If you tap [Accept] without selecting the "Consent on behalf of your organization" check box in step 5 of the above authorization operation, no users other than administrators will be able to use Microsoft Entra ID integration. In this case, an administrator of the Microsoft Entra ID tenant will be required to access the Microsoft Entra administration center and delete the "Sharp Embedded Entra ID Client" from the "Enterprise Application". After deleting it, repeat the above operations. In this case, execute this operation again.

5. Using the Microsoft Entra ID Integration Function

5.1. Initial Login by User

1. Tap [First Time User] in the [User Authentication] screen on the Multifunctional Printer operating panel.

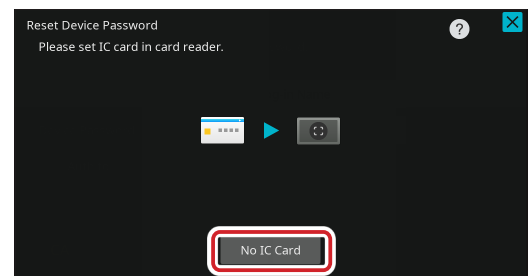
* A different screen will be displayed when only an IC card is used for authentication.



2. Insert your IC card into the IC card reader.

* If an IC card is not used for authentication, this screen is not displayed.

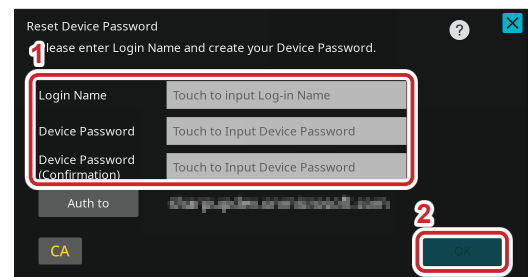
* If you are a first time user and do not have an IC card, tap [No IC Card].



3. Enter your [Login Name] and [Device password], and then tap [OK].

* The login name is the user's principal name (e.g.: sample@example.com). If you do not enter anything after the @ mark as the login name, the domain name which is selected in [Auth to] will be entered to complete the login name.

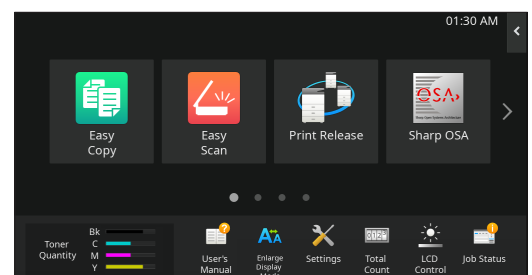
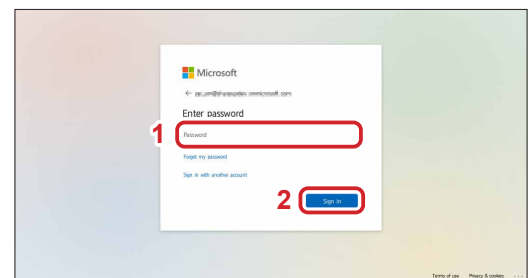
* The device password is created by the user separately for each Multifunctional Printer. (It is not your Microsoft Entra ID password.)



4. Enter your password for Microsoft Entra ID, and then tap [Sign in].

* A token will be issued by Microsoft Entra ID and the home screen will be displayed.

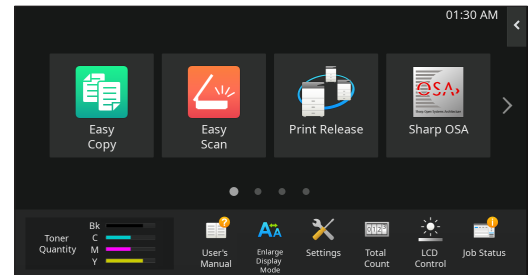
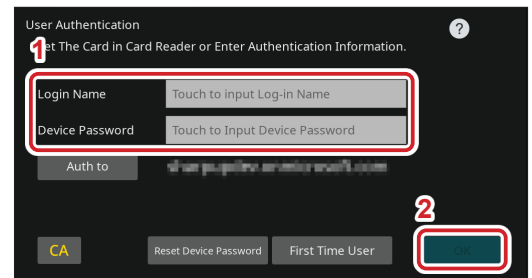
* If you would like to change the IC card setting (including from having no IC card to having an IC card), it is possible to repeat the login procedure from the beginning.



5.2. Second and Subsequent Logins by User

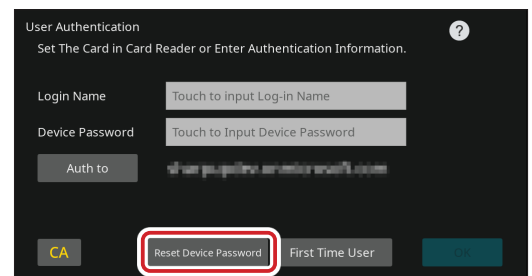
- Enter your [Login Name] and the [Device password] which set at the time of your initial login in the Multifunctional Printer's [User Authentication] screen, and then tap [OK]. If using an IC card, insert it into the IC card reader. When the IC card is verified, the home screen will be displayed.

* A different screen will be displayed when only an IC card is used for authentication.



5.3. If the User Forgets the Device Password

- At the Multifunctional Printer's [User Authentication] screen, tap [Reset Device Password]. All operations after this are the same as for the initial login.



5.4. Setting the Printer Driver by User

After carrying out the initial login at the Multifunctional Printer's operation panel, do the following for the printer driver.

1. Open the printer driver settings from the application.
2. Click the [Job Handling] tab.
3. Change [Authentication] to [Login Name/Password].
4. Login name: Enter your login name
5. Password: Enter your device password

* The authentication, login name and password settings will all be saved, so they do not need to be set again the next time you log in.

* The login name is the user's principal name (e.g.: sample@example.com).

* For users who have not carried out the initial login, an authentication error will be generated at the Multifunctional Printer.

* If the administrator enables the [Use User Principal Name as Login Name] function in [Printer Function Limits] on the [Options] tab in the printer driver properties, the user's principal name will be automatically used as the login name. This function can be used in Windows environments.

The screenshot shows the 'Job Handling' tab in the printer driver settings. Red boxes and numbers indicate the steps: 1. 'Job Handling' tab is selected. 2. 'Authentication' dropdown is set to 'Login Name/Password'. 3. 'Login Name' and 'Password' fields are visible. 4. 'User Name' and 'Job Name' checkboxes are shown below.

5.5. Logging In to a Multifunctional Printer's Built-in Web Server

After carrying out the initial login at the Multifunctional Printer's operation panel, enter the following at the home page for the Multifunctional Printer's built-in web server.

Login name: Enter your login name

Password: Enter your device password

* The login name is the user's principal name (e.g.: sample@example.com). If you do not enter anything after the @ mark as the login name, the domain name which is selected in [Authenticate to] will be entered to complete the login name.

* For users who have not carried out the initial login, an authentication error will be generated.

The screenshot shows the login page of the printer's built-in web server. Red boxes and numbers indicate the steps: 1. The 'Login' section with 'Login Name' and 'Password' fields. 2. The 'Authenticate to' dropdown menu. Below the fields, a message states: 'Log in as the user who has the authority to display the page that requires the administrator authority. Please enter the User Authentication information. This message can be edited from System Settings.'

