



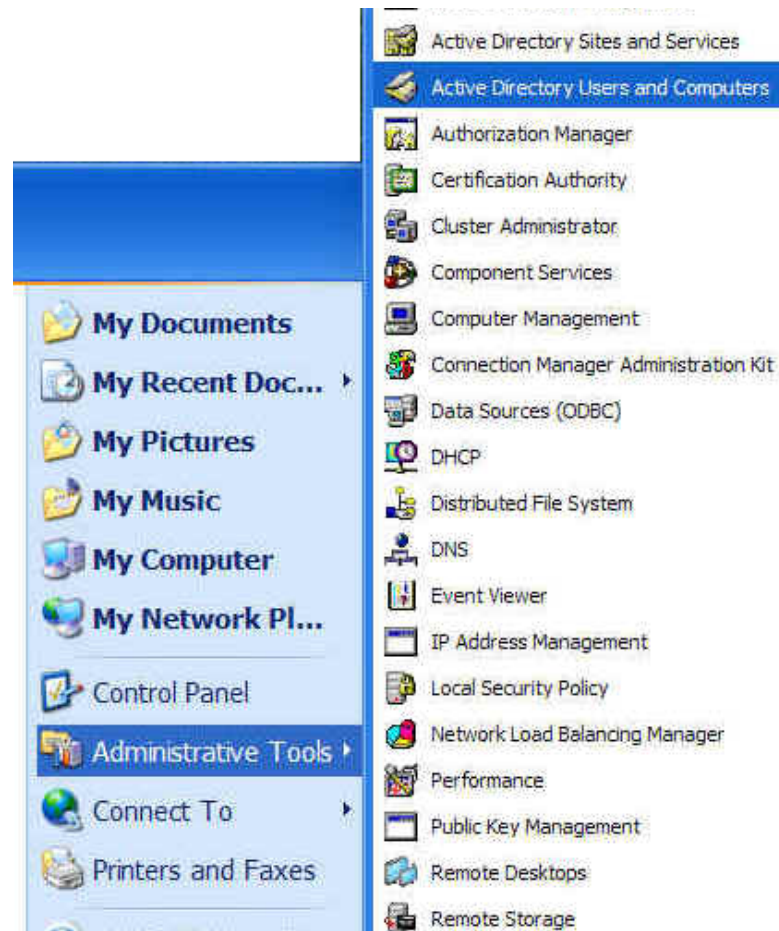
LES OLSON  
C O M P A N Y

Setting up Sharp MFPs to pull LDAP  
(For newer style web interface MFPs)

# Gathering Information For LDAP

## Accessing Active Directory Users and Computers

**NOTE: Administrative Tools containing Active Directory Users and Computers is NOT found in Windows workstation editions by default. You can access this by login in to Microsoft Windows Server edition.**



**NOTE: ACTIVE DIRECTORY USERS AND COMPUTERS ONLY APPEARS IN WINDOWS SERVER OPERATING SYSTEM EDITIONS.**

# Determining the Search Root from Active Directory Users & Computers

## A Simple Case

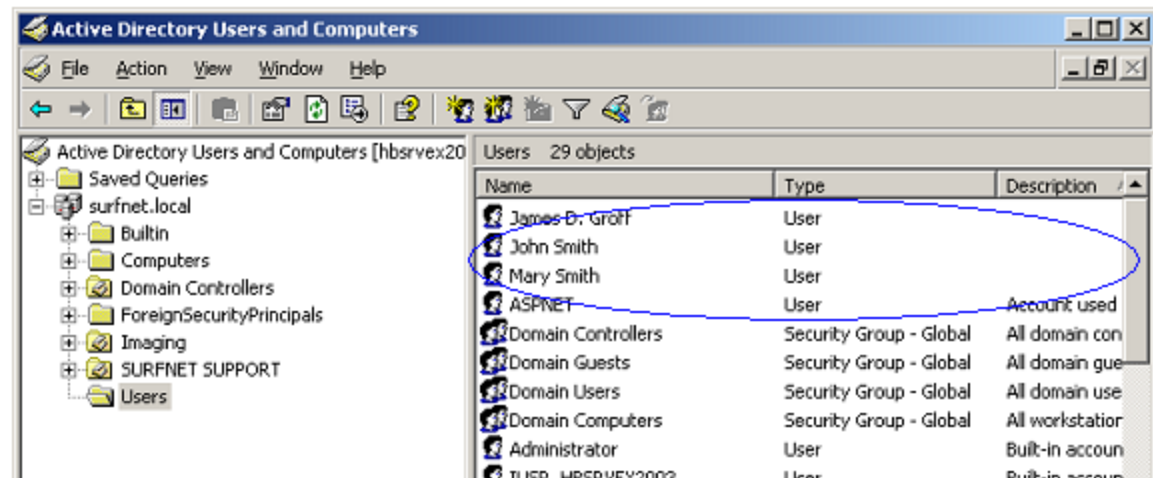
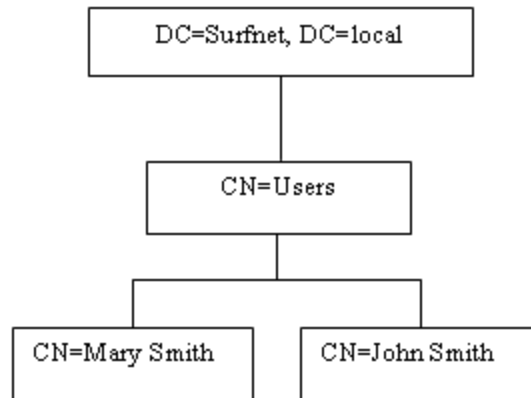
In the default configuration of Active Directory, AD provides a “Users” container under the domain. The default “Users” container can be used to add user accounts. A simple directory structure is illustrated below.

The user, Mary Smith, in this directory has the following DN:

CN=Mary Smith,CN=Users,DC=Surfnet,DC=local

The user, John Smith, in this directory has the following DN:

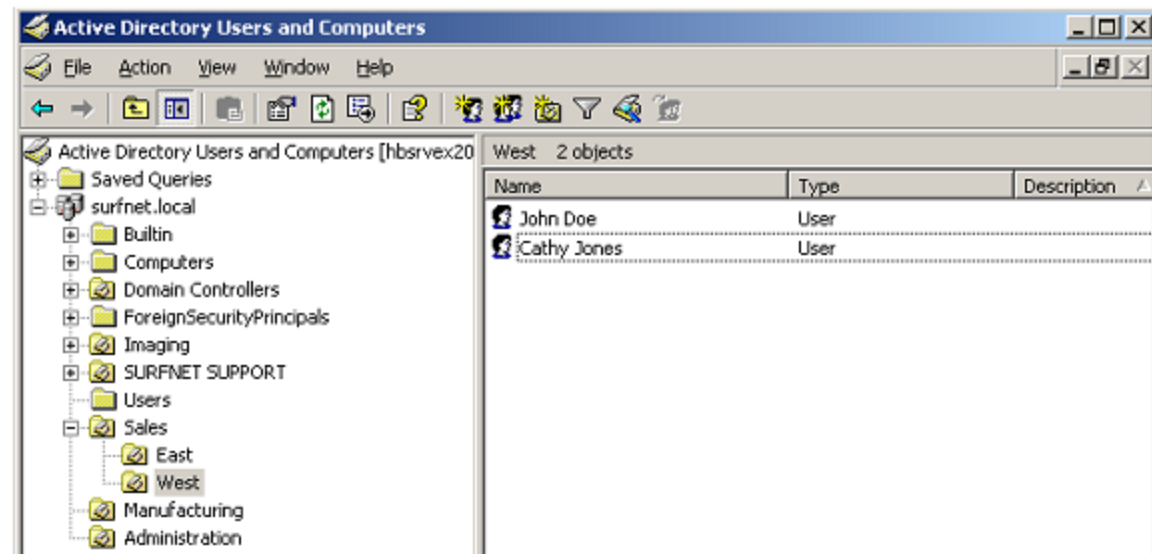
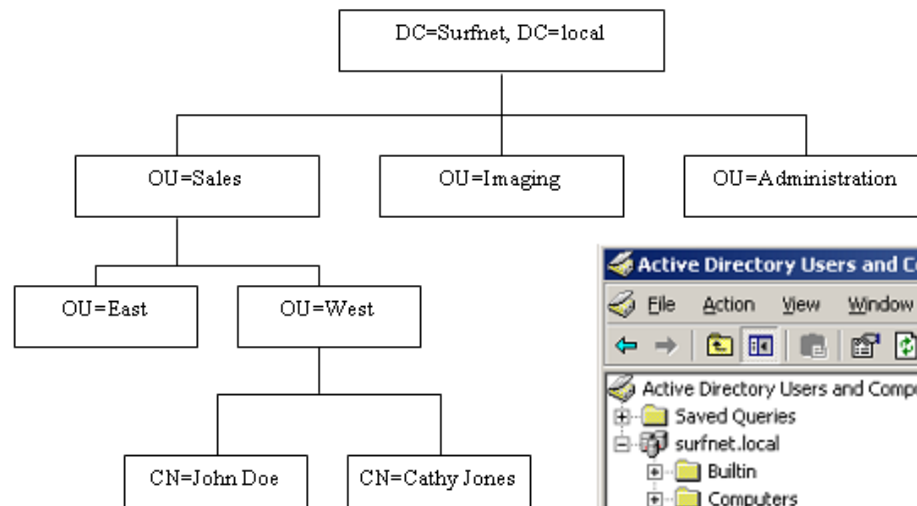
CN=John Smith,CN=Users,DC=Surfnet,DC=local



# Determining the Search Root from Active Directory Users & Computers

## A More Complex Case

In addition, administrators can use the Active Directory enrollment features to create new organizational units, users and groups. Administrators can use Organizational Units (OU) to match their corporate structure. Organizational units can be created for each location, division, etc. Organizational units can further be broken down into groups who have similar settings. An example is illustrated below:



To create an address book for the West department, the following search root would be used:

`OU=West, OU=Sales, DC=Surfnet, DC=local`

Address books can be created to look for recipients anywhere in the directory – from the top of the tree (DC=Surfnet, DC=local) down to a specific container (OU=West, OU=Sales, DC=Surfnet, DC=local).

# Login in to the Sharp MFP

Log in to the Sharp Imager's web interface home page by typing the IP address of **your** imager using a web browser such as Internet Explorer.

**Note:** The IP address shown below is a common example only. Yours may be different.

Type the IP address  
and hit enter

The screenshot shows an Internet Explorer browser window with the address bar containing the IP address **192.168.0.201**. The page title is "Top Page" and the main content area displays the Sharp MX-4501N web interface. The interface includes a navigation menu on the left with options like "Top Page", "Status", "Address Book", "Document Operations", "Job Programs", "User Control", "System Settings", "Network Settings", "Application Settings", "E-mail Alert and Status", "Storage Backup", "Device Cloning", "Job Log", "Security Settings", "Custom Links", and "Operation Manual Download". The main content area shows the Sharp logo, the model name "MX-4501N", and a "Top Page" section with an "Update(R)" button. Below this, there is a section for device information: "Unit Serial Number: 6503427300", "Name: Sharp MX-4501N", "Model Name: MX-4501N", "Machine Location: IT Room", and "Current Status: Online". There is also a "Display Language Setting" dropdown menu set to "American English" with an "Execute(J)" button, and a "Display Pattern Setting" dropdown menu set to "Pattern 1" with an "Execute(C)" button. A "Login(P)" button and a "Help(I)" button are located in the top right corner. A "Back to the Top on This Page" link is at the bottom right. The browser's status bar at the bottom shows "Local intranet" and "100%" zoom.

Top Page - MX-4501N - Microsoft Internet Explorer provided by Les Olson Company

http://10.0.1.0/main.html

File Edit View Favorites Tools Help

Google

Top Page - MX-4501N

**SHARP**  
MX-4501N

Top Page  
Update(R)

Unit Serial Number: 6503427300  
Name: Sharp MX-4501N  
Model Name: MX-4501N  
IT Room  
Online

Network Settings

Application Settings  
Display Language Setting: American English  
Execute(J)  
Pattern 1  
Execute(C)

E-mail Alert and Status  
Storage Backup  
Display Pattern Setting

Device Cloning  
Job Log  
Security Settings  
Custom Links  
Operation Manual Download

Update(R)

http://10.0.1.0/bw\_quick.html

Login - MX-4501N - Microsoft Internet Explorer provided by Les Olson Company

http://10.0.1.0/login.html#bw\_quick.html

File Edit View Favorites Tools Help

Google

Login - MX-4501N

**SHARP**  
MX-4501N

Login  
Login(P) Cancel(C)

Authority: admin  
Login Name: Administrator  
Password: admin (5-32 digits)

Back to the Top on This Page ▲

Login(P) Cancel(C)

Done Local intranet 100%

Quick Settings - MX-4501N - Microsoft Internet Explorer provided by Les Olson Company

http://10.0.1.0/nw\_quick.html

SHARP MX-4501N

User Name: Administrator Logout(L) Help(I)

Submit(U) Update(R)

Top Page

Status

Address Book

Document Operations

Job Programs

User Control

System Settings

Network Settings

Quick Settings

General Settings

Protocol Settings

Services Settings

Print Port Settings

LDAP Settings

HTTP Access Settings

View Login User

Application Settings

E-mail Alert and Status

Storage Backup

Device Cloning

Network Name Settings

Device Name: SCD03B21 (Up to 15 characters)

Domain Name: Sharp-Printer (Up to 15 characters)

DNS Settings

Primary Server: 10.0.0.20

Secondary Server: 10.0.0.21

Domain Name: lesolsoncompany.com (Up to 64 characters)

SMTP Settings

Primary Server: 10.0.0.22

Secondary Server:

Reply E-mail Address: noreplyscanner@lesolson.com (Up to 64 characters)



LDAP Settings - MX-4501N - Microsoft Internet Explorer provided by Les Olson Company

http://10.0.1.0/nw\_ldap\_list.html

SHARP MX-4501N

User Name: Administrator Logout(L) Help(I)

Update(R)

Top Page

Status

Address Book

Document Operations

Job Programs

User Control

System Settings

Network Settings

Quick Settings

General Settings

Protocol Settings

Services Settings

Print Port Settings

LDAP Settings

HTTP Access Settings

View Login User

Application Settings

E-mail Alert and Status

Storage Backup

Device Cloning

LDAP Settings: Enable

Submit(U)

Global Address Books List

Name	Search Root	Default
Not Set		

Delete(D) Add(A)

Submit(U)

Update(R)

Back to the Top on This Page ▲



# Configuring the LDAP settings

We recommend setting up LDAP in medium to large sized offices. It conveniently allows users to find their name (associated with their in-house email address) from the touch panel of the Sharp Scanner's address book. This also saves administrative time by not needing to have someone manually enter each individual name and email address into the Sharp's web interface.

**Note:** LDAP must be set up on your network for this work.

**LDAP Settings**

Name: Les Olson Company Corporate *It is recommended to enter the company name or department name*

Search Root: dc=lesolsoncompany,dc=com (Up to 512 characters) *See next page to determine settings*

LDAP Server: 10.0.0.20 *Enter the IP address of the LDAP Server (usually Domain Controller)*

Server Type: Custom

Search Attribute: displayName (Up to 64 characters)

Obtain E-mail address from: mail (Up to 64 characters)

Obtain Fax number from: facsimileTelephoneNumber (Up to 64 characters)

Obtain Internet Fax address from: mail (Up to 64 characters)

User Name: arc *Enter a domain User Name. It is recommended using one that does not expire. You may consider creating one called Sharp.*

Change Password *Click the Change Password box and enter the password for the User Name.*

Authentication Type: NTLM *Choose NTLM For most Microsoft networks. Novell usually uses Anonymous.*

KDC Server:

Realm: (Up to 128 characters)

Applicable Destination Type: E-mail Address

Allow selection on operation panel.

Connection Test: Execute(C) *Click the "Execute" button to test the Connection.*

```
Connection to LDAP server test
succeeded.
Click [Submit] to save the
settings.
```

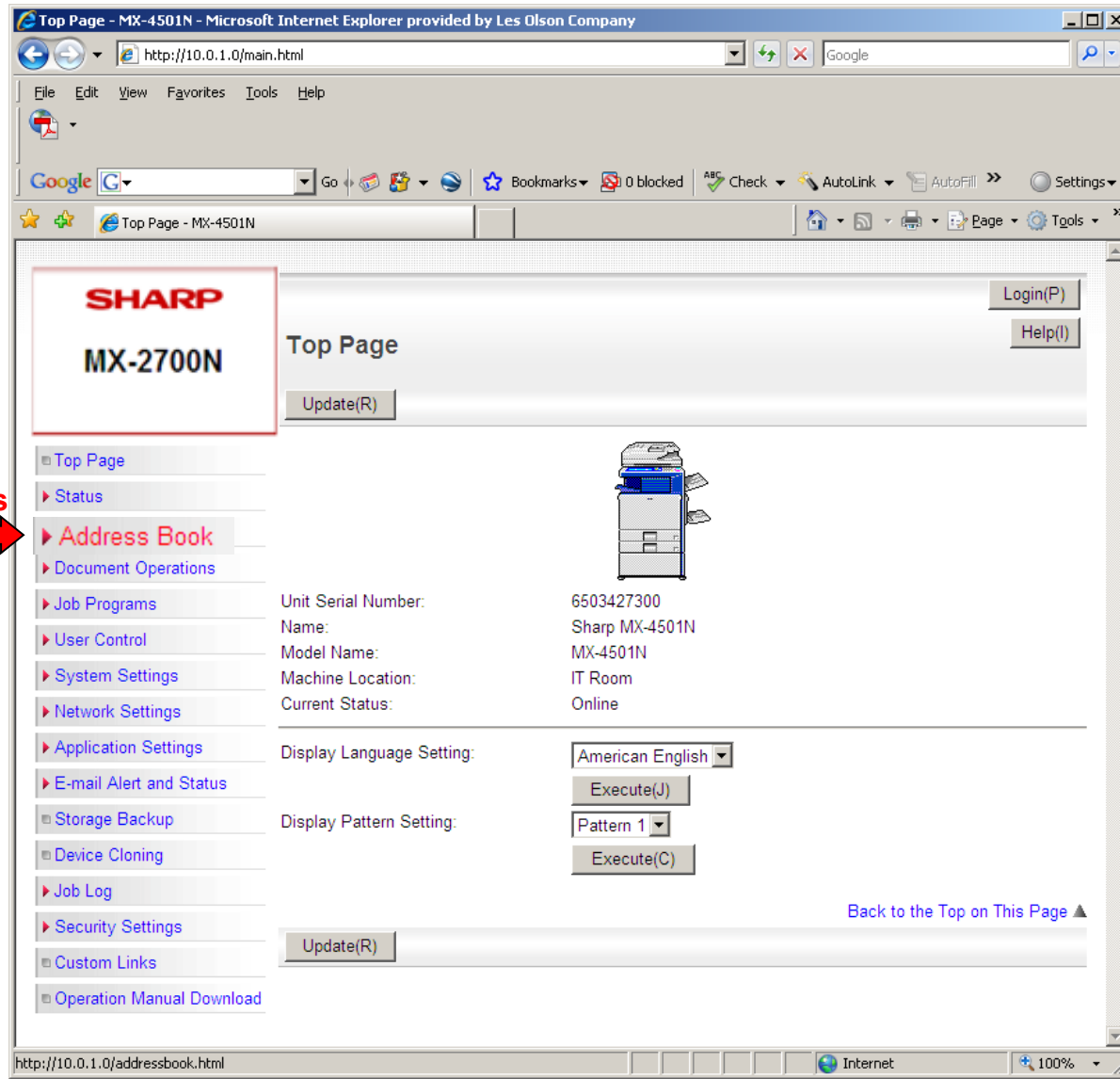
Click the "Submit" button or the settings will be lost! *Submit(U) Update(R)*

[Back to the Top on This Page ▲](#)



# Verifying LDAP Properly Working From The Web Interface

Click the Address Book link



Top Page - MX-4501N - Microsoft Internet Explorer provided by Les Olson Company

http://10.0.1.0/main.html

SHARP MX-2700N

Top Page

Update(R)

Login(P)

Help(I)

- Top Page
- Status
- Address Book**
- Document Operations
- Job Programs
- User Control
- System Settings
- Network Settings
- Application Settings
- E-mail Alert and Status
- Storage Backup
- Device Cloning
- Job Log
- Security Settings
- Custom Links
- Operation Manual Download

Unit Serial Number: 6503427300  
Name: Sharp MX-4501N  
Model Name: MX-4501N  
Machine Location: IT Room  
Current Status: Online

Display Language Setting: American English  
Execute(J)

Display Pattern Setting: Pattern 1  
Execute(C)

Back to the Top on This Page ▲

Update(R)

http://10.0.1.0/addressbook.html

# Verifying LDAP Properly Working From The Web Interface

The screenshot shows a web browser window titled "Address Book - MX-4501N - Microsoft Internet Explorer provided by Les Olson Company". The address bar shows the URL "http://10.0.1.0/addressentry\_email.html?profid=40". The browser interface includes a menu bar (File, Edit, View, Favorites, Tools, Help), a search bar with "Google" text, and a toolbar with various icons. The main content area displays the "Address Book" interface for "SHARP MX-4501N".

The interface includes a sidebar with navigation links: Top Page, Status, Address Book, Custom Index, Document Operations, Job Programs, User Control, System Settings, Network Settings, Application Settings, E-mail Alert and Status, Storage Backup, Device Cloning, Job Log, and Security Settings.

The main content area features a "SHARP MX-4501N" logo, a "Login(P)" button, a "Help(I)" button, and an "Update(R)" button. Below these are "Index:" (User 2) and "Display Items:" (10) dropdown menus.

A table lists the address book entries:

Address Name	Type	Address	No.
<input type="checkbox"/> Bob	E-mail	bob@xyzcorp.com	34
<input type="checkbox"/> Charles	E-mail	charles@xyzcorp.com	36
<input type="checkbox"/> Jackie	E-mail	jackie@xyzcorp.com	39
<input type="checkbox"/> John	E-mail	john@xyzcorp.com	35
<input type="checkbox"/> Nick	E-mail	nick@xyzcorp.com	41
<input type="checkbox"/> Scott	E-mail	scott@xyzcorp.com	38
<input type="checkbox"/> Tammy	E-mail	tammy@xyzcorp.com	37
<input type="checkbox"/> Timothy	E-mail	timothy@xyzcorp.com	40

Below the table, it shows "Total Address: 8" and navigation buttons: "Previous(M)", "1 / 1", "Next(N)", "Select All(S)", and "Clear Checked(Z)". At the bottom of the table area are "Delete(D)" and "Add(Y)" buttons. A red arrow points to the "Add(Y)" button with the text "Click the Add button".

# Verifying LDAP Properly Working From The Web Interface

**SHARP**  
**MX-4501N**

Address Registration

Submit(U) Cancel(C)

Address Type: E-mail

Search Number: (1-999)

Address Name (Required): (Up to 36 characters)

Initial (Optional): (Up to 10 characters)

Key Name: (Up to 18 characters)

Custom Index: User 1

Register this Address to be added to the [Frequent Use] index.

E-mail Address (Required): (Up to 64 characters)

File Format: File Type: PDF

Black & White: Compression Mode: MMR (G4)

Color/Grayscale: Compression Ratio: Medium

**Global Address Search (R)** **Click button**

Back to the Top on This Page ▲

Submit(U) Cancel(C)

# Verifying LDAP Properly Working From The Web Interface

**Global Address Search**

OK(U) Cancel(C)

**Search Condition**

Global Address Book: LOC LDAP

Search Name: a (Up to 36 characters)

Search(O)

**Search Result**

Search Result: Selected Addresses:

Done Local intranet

**Global Address Search**

OK(U) Cancel(C) Help(I)

**Search Condition**

Global Address Book: LOC LDAP

Search Name: a (Up to 36 characters)

Search(O)

**Search Result**

Search Result: Selected Addresses:

Admin  
Annie Babcock  
Aimee Bowers  
Andrea Hind  
aaron  
Aaron Mehrley  
abox  
Amy Digerness  
Admin2  
Al Gritton

Previous(M) Next(N) Delete(D)  
Add(Y) Detail(Q)

Done Local intranet 100%

**Enter any letter**


**Click Search**

**If any names appear in this field, LDAP is correctly configured and users will be able to pull LDAP from the Sharp Imager.**

# Calling Up A Destination From A Global Address Book (Touch Panel of the Scanner)


When an LDAP server is configured in the Web page, you can look up an address in a global address book and retrieve the address for Scan to E-mail or Internet fax transmission.

**1**




**Touch the [Address Book] key.**

**2**

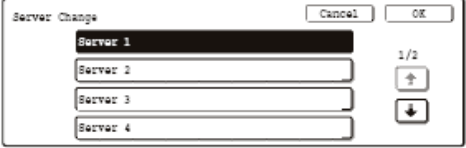


**Touch the [Global Address Search] key.**

---

 If only one LDAP server is configured, the global address search screen will appear. Go to (2) in step 3.

**3**




**Search for the destination.**

**(1) Select the LDAP server.**  
Touch the key of the LDAP server that you wish to use and then touch the [OK] key.

**(2) Search for the destination on the text entry screen that will appear.**  
Enter the initial letters of the name of the destination and touch the [Search] key in the text entry screen. After a brief interval the results will appear.  
For the procedure for entering text, see "6. ENTERING TEXT" in the User's Guide.

---

 **How to search**  
Enter the initial letters of the name (maximum of 64 characters). The system will look for names starting with the entered letters.  
An asterisk \* can be used as follows:  
XXX\*: Names beginning with "XXX".  
\*XXX: Names that end with "XXX".  
\*XXX\*: Names that include "XXX".  
AA\*XX: Names that start with "AA" and end with "XX".