Server Domain Authentication

Thank you for purchasing this machine. This manual will familiarize you with all domain authentication functions.

Server Domain Authentication

Authentication limits machine access to users Windows 2000, Windows Server 2003, or Windows NT4.0 domain controller. This new function allows the authentication administrator to improve security by monitoring machine usage. Both the authentication administrator, only who can make settings for Server Domain Authentication, and users must make settings beforehand to use the authentication function. Users obtain machine access when the necessary settings are made. The authentication administrator can also make settings using a Web browser.

❖ **When Authentication Is On**
Users must obtain access rights via Windows 2000, Windows Server 2003, or Windows NT4.0 domain controller each time they want to use the machine. Machine access is given only to users with a Windows domain controller account. To obtain access rights, contact the authentication administrator.

❖ **Authentication Administrator Settings**
The authentication administrator can only be a privileged administrator who can limit machine access to authenticated users using Windows 2000, Windows Server 2003, or Windows NT4.0 domain controller. Also, the authentication administrator can control transmission functions using the User Notification function, with which the administrator can specify the sender. These settings can be made by the authentication administrator.

❖ **Making Settings Using a Web Browser**
As well as the machine's control panel, authentication administrator can make authentication function settings using a Web browser (Netscape Navigator, Microsoft Internet Explorer, etc.).

🔰**Important**
❐ Contact your service representative if you want to use Server Domain Authentication.

✎ **Note**
❐ The authentication ID and the password for Server Domain Authentication must be entered using up to 20 characters.

❐ The administrator needs to make other settings also (Network Settings, IP-Fax Parameter Settings, Others Settings, Box Settings) to use the authentication function. See Chapter 1 "Getting Started" in the NIC FAX UNIT TYPE510 manual.

❐ Even when Server Domain Authentication is turned off, the administrator must always enter the authentication administrator password, even to make settings of non-authentication functions (Network Settings, Box Settings).

❐ While Server Domain Authentication is on, Restricted Access is not available. See Chapter 1 "Reading the Display and Using Keys" in the Basic Features manual.

Using the Machine When Authentication Is On

This describes function settings for general machine users. To use every machine function, all users must be authenticated to obtain access rights via Windows 2000, Windows Server 2003, or Windows NT4.0 domain controller.

If your authentication fails, check your authentication ID and password are correct. If your authentication fails again, contact the authentication administrator.

Obtaining Access Rights

To use the machine, users with Windows 2000, Windows Server 2003, or Windows NT4.0 domain controller accounts must obtain access rights beforehand. Only users registered on the domain controller, by the authentication administrator, can have access.

1 **Enter your authentication ID (same as your Windows log on account), and then press [OK].**

```
Enter Authentication ID.
                          ▸ Lowercase
Auth. ID:███████████
(ABC/abc) (Symbols)              OK
```

2 **Enter your password (same as your Windows log on password).**

```
Enter password.
                          ▸ Lowercase
Password:████████
(ABC/abc) (Symbols) (Cancel)     OK
```

3 **Press [OK].**

The machine proceeds to the standby display.

📝 Note

❒ After using the machine, the machine overrides your access rights, to prevent others from using it under your identity.

❒ The machine automatically returns to the authentication dialog display for a specified period of time. See Chapter 6 "Fax Reset Timer " in the Advanced Features manual.

❒ After overriding access rights, you must obtain them again in order to use the machine.

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*💡*User Notification Using Sender's E-mail Address during Authentication

When you send e-mail from this machine after obtaining access rights, the machine notifies the sender information. The authentication administrator selects which items of sender information are sent:

① Sender e-mail address :
   "From: sales2@company.com"

② Sender name and machine's e-mail address :
   "From: sales2<m00001@company.com>"

③ Machine's e-mail address :
   "From: m00001@company.com"

Consult the authentication administrator to find out which sender information are sent.

Authentication Administrator Settings

This describes function settings for the authentication administrator as follows:

- WINS (Windows Internet Name Service) Server Settings
- Server Domain Authentication Settings (Turn Server Domain Authentication On, Server Domain Name Settings, Authentication Administrator Password Settings)
- User Notification with Sender's E-mail Address during Authentication
- E-mail Settings for User Notification

WINS (Windows Internet Name Service) Server Settings

WINS acts as the name server, where the NetBIOS stores the name database, and handles name resolution (instead of DNS in Windows based environment).

WINS settings must be made even in Windows 2000 or newer environments when using this machine.

A **Press the 【User Tools】 key.**

✐ Note
❒ Make sure the machine is in standby mode. To return to standby, see Chapter 1 "Standby Display" in the Basic Features manual.

B **Enter the code for "Key Op. Tools" using the number keys, and then press the 【#】 key.**

C **Enter the code for "System Settings" using the number keys.**

D **Enter the code for "Network" using the number keys.**

✐ Note
❒ If "Network" does not appear, press 【↓Next】 or 【↑Prev.】 until it does.

E **Enter the authentication administrator password.**

```
Enter Authentication Admin. Password.
                              ▸ Lowercase
Auth.Admin.PW: ███████████████
(ABC/abc) (Symbols)   Cancel      OK
```

✐ Note
❒ At first log on, press 【OK】 to continue the settings.
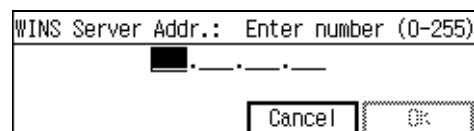❒ Once you set the authentication administrator password, you need to enter it to continue the settings.

F **Enter the code for "TCP/IP" using the number keys.**

G **Enter the code for "WINS Server Addr." using the number keys.**

✐ Note
❒ If "WINS Server Addr." does not appear, press 【↓Next】 or 【↑Prev.】 until it does.

H **Enter the WINS server address using the number keys.**

```
WINS Server Addr.:  Enter number (0-255)
          ███.___.___.___
                        Cancel      OK
```
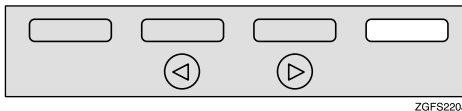
✐ Note
❒ Press ◁ or ▷ key to move the display cursor.

❒ If you make a mistake, press the 【Clear】 key to try again.

I **Press [OK].**

```
WINS Server Addr.:  Enter number (0-255)
             192.168.__0.89
                          Cancel    OK
```

```
  ⬭      ⬭      ⬭      ⬭
       ◁      ▷
                              ZGFS220J
```

The display returns to the TCP/IP settings menu.

Server Domain Authentication Settings

This describes how to make settings to use Server Domain Authentication.

A **Press the 【User Tools】 key.**

✎ Note

❒ Make sure the machine is in standby mode. To return to standby, see Chapter 1 "Standby Display" in the Basic Features manual.

B **Enter the code for "Key Op. Tools" using the number keys, and then press the 【#】 key.**

C **Enter the code for "System Settings" using the number keys.**

D **Enter the code for "Network" using the number keys.**

✎ Note

❒ If "Network" does not appear, press [↓Next] or [↑Prev.] until it does.

E **Enter the authentication administrator password.**

```
Enter Authentication Admin. Password.
                        ▸ Lowercase
Auth.Admin.PW: ▇▇▇▇▇
(ABC/abc )(Symbols )  Cancel     OK
```

✎ Note

❒ At first log on, press **[OK]** to continue the settings.

❒ Once you set the authentication administrator password, you need to enter it to continue the settings.

F **Enter the code for "Others" using the number keys.**

G **Follow the procedures below to make settings for the following functions.**
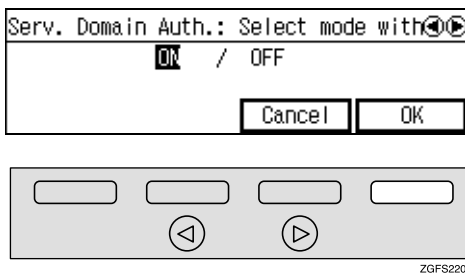
Turn Server Domain Authentication On

❶ **Enter the code for "Serv. Domain Auth." using the number keys.**

```
▨Others  1/2            Enter number ▋
1 Time Zone         2 Mail To Admin.
3 Backup Mail TX    4 Serv.Domain Auth.
(↑Prev. )( ↓Next )          PrevMenu
```

✎ Note

❒ If "Serv. Domain Auth." does not appear, press **[↓Next]** or **[↑Prev.]** until it does.

❷ **Press ◁ or ▷ key to select "On".**

```
Serv. Domain Auth.: Select mode with◁▷
             ON  /  OFF
                          Cancel     OK
```

❸ Press [OK].

```
Serv. Domain Auth.: Select mode with◀▶
         ON  /  OFF

                     Cancel      OK
```

```
⎡▢▢▢⎤ ⎡▢▢▢⎤ ⎡▢▢▢⎤ ⎡▢▢▢⎤
        ◁       ▷
                              ZGFS220J
```
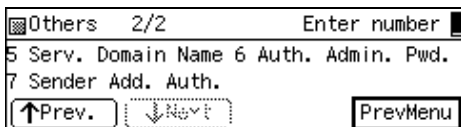
The display returns to the Others settings menu.

Server Domain Name Settings

The server domain name is the IP address of Windows 2000, Windows Server 2003, or Windows NT4.0 domain controller which users access for authentication.
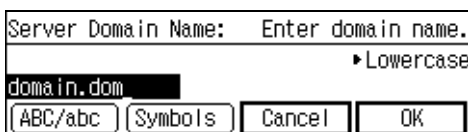
❶ Enter the code for " Serv. Domain Name " using the number keys.

```
▣Others  2/2          Enter number ▮
5 Serv. Domain Name 6 Auth. Admin. Pwd.
7 Sender Add. Auth.
⎡↑Prev. ⎤ ⎡↓Next⎤            PrevMenu
```

🖉 Note
❒ If "Serv. Domain Name" does not appear, press **[↓Next]** or **[↑Prev.]** until it does.

❷ Enter the server domain name.

```
Server Domain Name:  Enter domain name.
                      ▸Lowercase
domain.dom▮
⎡ABC/abc⎤ ⎡Symbols⎤  Cancel     OK
```

🖉 Note
❒ If you make a mistake, press the 【Clear】 key to try again.

❒ The server domain name must be entered using up to 15 characters.

❸ Press [OK].

```
Server Domain Name:  Enter domain name.
                      ▸Lowercase
domain.dom▮
⎡ABC/abc⎤ ⎡Symbols⎤  Cancel     OK
```

```
⎡▢▢▢⎤ ⎡▢▢▢⎤ ⎡▢▢▢⎤ ⎡▢▢▢⎤
        ◁       ▷
                              ZGFS220J
```
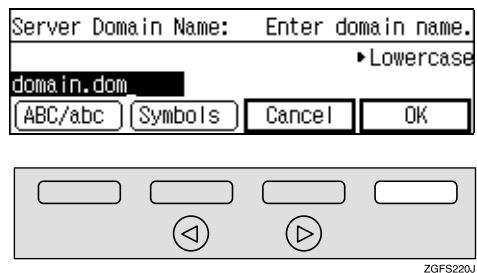
The display returns to the Others settings menu.

Authentication Administrator Password Settings

After setting the authentication administrator password, you must enter it each time you need to make settings.
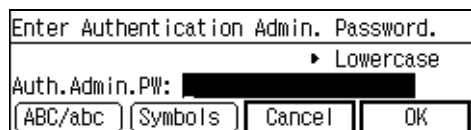
❶ Enter the code for "Auth. Admin. Pwd." using the number keys.

```
▣Others  2/2          Enter number ▮
5 Serv. Domain Name 6 Auth. Admin. Pwd.
7 Sender Add. Auth.
⎡↑Prev. ⎤ ⎡↓Next⎤            PrevMenu
```
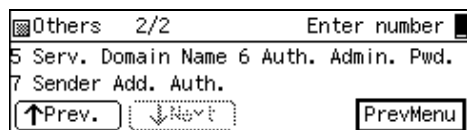
🖉 Note
❒ If "Auth. Admin. Pwd." does not appear, press **[↓Next]** or **[↑Prev.]** until it does.

❷ Enter the authentication administrator password.

```
Enter Authentication Admin. Password.
                      ▸ Lowercase
Auth.Admin.PW: ▮
⎡ABC/abc⎤ ⎡Symbols⎤  Cancel     OK
```
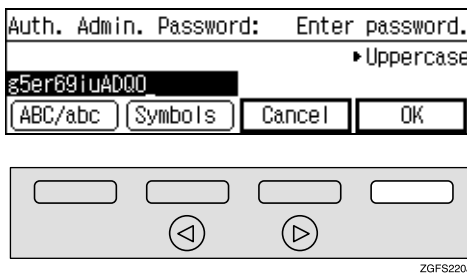
🖉 Note
❒ If you make a mistake, press the 【Clear】 key to try again.

❒ Contact your service representative if you forget the authentication administrator password.

❒ The password must be entered using up to 20 characters.

❒ Make sure you enter the password in this setting, as authentication settings may be made even without setting the authentication administrator password. This enables other users monitor or even make changes to authentication settings.

❸ **Press [OK].**

Auth. Admin. Password: Enter password.
                                        ‣ Uppercase
g5er69iuADQ0_
[ABC/abc] [Symbols] [Cancel]   [OK]

▭ ▭ ▭ ▭
◁ ▷

ZGFS220J

The display returns to the Others settings menu.

User Notification with Sender's E-mail Address during Authentication

Using this machine, senders can be identified by displaying their e-mail addresses. This requires use of domain controller and this machine's Personal Box function. Make the following settings to identify senders by displaying their e-mail addresses.

⚠️**Important**

❒ When users change Windows log on accounts or passwords, the authentication administrator must renew Sender's E-mail Address during Authentication Settings for user notification. In this case, those addresses are set and referred using old Windows log on accounts (authentication IDs) and passwords in the machine, and need to be changed to notify the sender correctly. This is why the authentication administrator should be always informed about all user's authentication IDs and passwords.

A **Press the 【User Tools】 key.**

📝 **Note**

❒ Make sure the machine is in standby mode. To return to standby, see Chapter 1 "Standby Display" in the Basic Features manual.

B **Enter the code for "Key Op. Tools" using the number keys, and then press the 【#】 key.**

C **Enter the code for "System Settings" using the number keys.**

D **Enter the code for "Network" using the number keys.**

📝 **Note**

❒ If "Network" does not appear, press **[↓Next]** or **[↑Prev.]** until it does.

E **Enter the authentication administrator password.**

Enter Authentication Admin. Password.
                                   ‣ Lowercase
Auth.Admin.PW: ▮
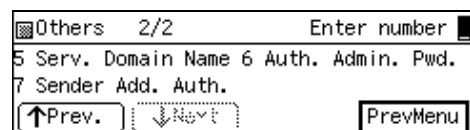[ABC/abc] [Symbols] [Cancel]   [OK]

📝 **Note**

❒ At first log on, press **[OK]** to continue the settings.

❒ Once you set the authentication administrator password, you need to enter it to continue the settings.

F **Enter the code for "Others" using the number keys.**

G **Enter the code for "Sender Add. Auth." using the number keys.**

▤Others 2/2   Enter number ▮
5 Serv. Domain Name 6 Auth. Admin. Pwd.
7 Sender Add. Auth.
[↑Prev.] [↓Next]   [PrevMenu]

Note

❒ If "Sender Add. Auth." does not appear, press **[↓Next]** or **[↑Prev.]** until it does.

8 **Press ◁ or ▷ key to select "Per User" or "Fixed E-mail Add.".**

```
Sender Add. Auth.: Select mode with◁▷
            Per User /  Fixed E-mail Add.

                          Cancel     OK
```
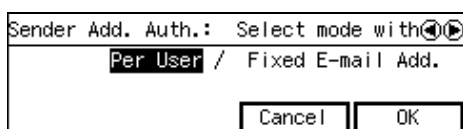
Note

❒ When "Per User" is selected, each user's e-mail address is notified, and when " Fixed E-mail Add. " is selected, only the machine's e-mail address is notified.

9 **Press [OK].**

```
Sender Add. Auth.: Select mode with◁▷
            Per User /  Fixed E-mail Add.

                          Cancel     OK
```
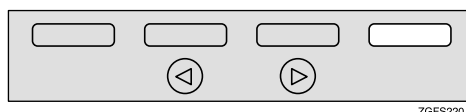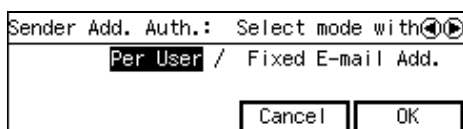
ZGFS220J

The display returns to the Others settings menu.

E-mail Settings for User Notification

When you send e-mail from this machine after obtaining access rights, the machine notifies the sender information. The authentication administrator selects which items of sender information are sent:

① Sender e-mail address:
"From: sales2@company.com"
Register the user address (Sender's E-mail Address during Authentication) as well as the user name (authentication ID) as the receiver and the box name.
Then select "Per User" for the Sender's E-mail Address during Authentication.

② Sender name and machine's e-mail address :
"From: sales2 <m00001@company.com>"
Do not register the user address as the receiver, enter user name in the box name, and set the machine's e-mail address. See Chapter 1 "Getting Started" in the NIC FAX UNIT TYPE510 manual.
Then select "Per User" for the Sender's E-mail Address during Authentication.

③ Machine's e-mail address:
"From: m00001@company.com"
Do not register the user address as the receiver, set the user name in the box name, and set the machine's e-mail address. See Chapter 1 "Getting Started" in the NIC FAX UNIT TYPE510 manual.
Then select "Fixed E-mail Address" for the Sender's E-mail Address during Authentication.

Reference

See Chapter 7 "Personal Boxes" in the Advanced Features manual.

A **Press the 【User Tools】 key.**

✎ Note

❒ Make sure the machine is in standby mode. To return to standby, see Chapter 1 "Standby Display" in the Basic Features manual.

B **Enter the code for "Key Op. Tools" using the number keys, and then press the 【#】 key.**

C **Enter the code for "Box Settings" using the number keys.**

D **Enter the authentication administrator password .**

```
Enter Authentication Admin. Password.
                            ▸ Lowercase
Auth.Admin.PW: ██████████
[ABC/abc] [Symbols]   Cancel      OK
```

✎ Note

❒ At first log on, press **[OK]** to continue the settings.

❒ Once you set the authentication administrator password, you need to enter it to continue the settings.

E **Enter the code for "Personal Box" with the number keys.**

F **Enter the SUB code you want to enter as a Personal Box , and then press [OK].**

```
Personal Box:
Enter code, press OK
    SUB 001_
              [ Space ]    OK    PrevMenu
```

✎ Note

❒ If you enter a wrong character, press the 【Clear】 or 【Stop】 key to reenter.

G **Press [Name].**

```
Personal Box:              Enter name
SUB:001

  Name   [ Others ]  [ Cancel ]    OK
```

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H **Enter the name(user's authentication ID), and then press [OK].**

```
Enter name
                            ▸Uppercase
sales2_
[ABC/abc] [Symbols]   Cancel      OK
```

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✎ Note

❒ For the sender information to appear, the box name must be the same as the Windows 2000, Windows Server 2003, or Windows NT4.0 domain controller user account.

❒ Each box must have a different name, to enable correct user notification.

I **Press [Others].**

This box name registered here is notified as the sender name.

```
Personal Box:              Enter name
SUB:001
(Name:sales2)
  Name   [ Others ]  [ Cancel ]    OK
```

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⚠️Important

❒ If an unregistered user of a Personal Box sends e-mail, only the machine address appears as the sender information. To display e-mail address for all users, all users with Windows 2000, Windows 2003, or Windows NT4.0 domain controller accounts must be registered in the Personal Box, using the same user ID as their Windows log on account.

❒ If the same authentication ID for Server Domain Authentication is registered for more than two users, these, including "*" and "#", are referred in SUB code order. The authentication administrator can check these by printing out the Box List. See Chapter 7 "Box Settings" in the Advanced Features manual.

🔟 Enter the code for "Program Receiver" using the number keys.

```
Others:                    Enter number ▮
1 Program Password  2 Program Receiver
3 Assign Key
                               Exit
```

⑪ Specify the Quick Dial key or Speed Dial in which the delivery destination is stored.

```
Program Receiver:
Enter with quick dial/speed dial.
  ☎ _
                      Cancel     OK
```

⑫ Press [OK].

```
Program Receiver:
Enter with quick dial/speed dial.
  ☎ [001]sales2@company.com
                      Cancel     OK
```


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The address entered as the receiver is the e-mail address of the fax sender.

⑬ Press [Exit].

```
Others:                    Enter number ▮
1 Program Password  2 Program Receiver
3 Assign Key
                               Exit
```


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⑭ Press [OK].

```
Personal Box:              Enter name
SUB:001
(Name:sales2)
  Name     Others    Cancel     OK
```


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⑮ Press [PrevMenu] three times.

⑯ Press [Exit] to return to standby mode.

Making Settings Using Web Browser

Functions You Can Check or Set Up

The authentication administrator can check conditions or change settings of the following items using a Web browser :

- Boxes
- WINS (Windows Internet Name Service) server address
- Server Domain Authentication
- Server Domain Name
- Sender's E-mail Address during Authentication
- Authentication Administrator Password

📝 Note

❒ Only the authentication administrator can monitor and change the Boxes settings.

❒ The administrator needs to make other settings also (TCP/IP, Others, Boxes) to use the authentication function. See Chapter 7 "Making Settings through a Web Browser" in the NIC FAX UNIT TYPE510 manual and Chapter 7 "Key Operator Settings" in the Advanced Features manual.

❒ Even when Server Domain Authentication is turned off, the administrator must always enter the authentication administrator password, even to make settings for non-authentication functions (Boxes Settings, TCP/IP Settings, E-Mail Settings, IP-Fax Settings, Backup Receiver Settings, Others Settings, etc).

Web Browser Log on by Authentication Administrator
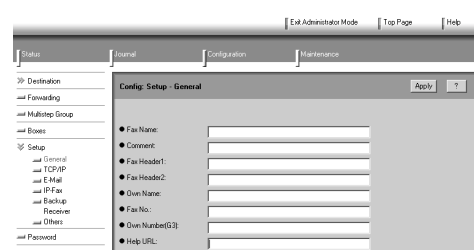
Server Domain Authentication settings can also be made using a Web browser.

A **Enter the IP address of the machine in the Web browser.**

B **Click [Administrator Mode] on the top page.**

C **Enter the Administrator's password, and then click [OK].**

You do not need to enter the user name.

D **Click [Configuration].**

E **Click [Setup].**

F Enter the authentication administrator password when you use Boxes and Setup (except General).

Note

❒ For settings using a Web browser, the authentication administrator password is not required for the **[Setup]** - **[General]** settings and **[Authentication Admin. Password]** settings. For other settings (**[Boxes]** and **[Setup]** except **[General]**), the authentication administrator password must be entered.

❒ When moving from non-authentication settings (**[Setup]** - **[General]** settings and **[Authentication Admin. Password]** settings) to authentication settings (**[Boxes]** and **[Setup]** except **[General]**), the authentication administrator password is required.

❒ When moving from authentication settings to non-authentication settings, the authentication administrator password is not required.

❒ When moving from authentication settings to other authentication settings, the authentication administrator password is not required, as authentication administrator password is already entered at the first settings.

G Make the necessary settings.

H Click [Exit Administrator Mode].

You can log off from administrator settings screen.

Server Domain Authentication Settings

After entering the authentication administrator password, the authentication administrator can make settings for the following, in line with the Server Domain Authentication function.

A Enter the administrator mode as an administrator, then log on as an authentication administrator.

B On the [Setup] - [Others] , make the settings for Server Domain Authentication, Server Domain Name, and Sender's E-mail Address during Authentication, and then click [Apply].

C On the [Setup] - [TCP/IP] , enter the WINS server address, and then click [Apply].
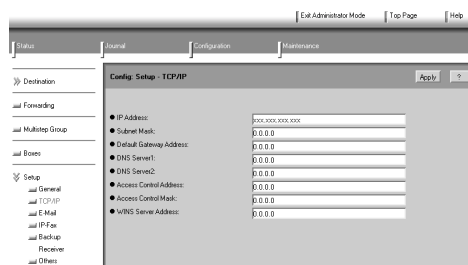
D **On the [Boxes] page, make the settings, and then click [Exit Administrator Mode].**
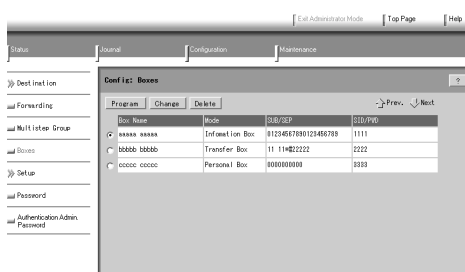
Changing Authentication Administrator Password via Web Browser

The authentication administrator can change the authentication administrator password using a web browser.

A **Enter the administrator mode as an administrator.**

B **Click [Authentication Admin. Password].**

C **Enter the current authentication administrator password, the new authentication administrator password twice, and then click [Apply].**

D **If the new passwords match, it takes effect immediately after pressing [OK].**
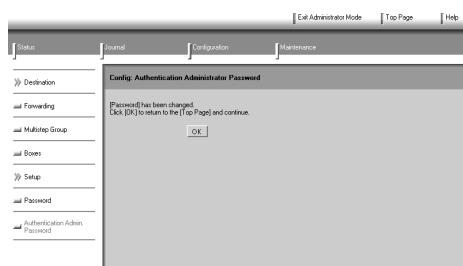
Additional Security Features

The authentication administrator can exercise precise control over the transmission function, but other functions can still be used. However, manual settings can disable these:

❖ **Disabling Transfer Station**

Delete polling IDs, or the machine's fax number.
See Chapter 4 "Transfer Station" in the Advanced Features manual.

❖ **Disabling Remote Transfer**

Delete remote IDs, or turn off reception using User Parameters.
See Chapter 4 "Remote Transfer" and Chapter 7 "User Parameters" (switch 11, bit 0) in the Advanced Features manual.

❖ **Disabling Forwarding**

Delete the receivers' addresses, turn off forwarding using User Parameters.
See Chapter 7 "Forwarding" and Chapter 7 "User Parameters" (switch 8, bit 7,6) in the Advanced Features manual.

❖ **Disabling Routing Mail Received via SMTP**

Turn off Routing Mail Received via SMTP using User Parameters.
See Chapter 8 "User Parameters" (switch 17, bit 1) in the NIC FAX UNIT TYPE510 manual.

❖ **Disabling Error Mail Notification**

Turn off Error Mail Notification using User Parameters.
See Chapter 8 "User Parameters" (switch 16, bit 3) and Chapter 9 "Error Mail Notification" in the NIC FAX UNIT TYPE510 manual.

❖ **Disabling Reception Confirmation Messages**

Turn off Respond to requests to confirm the receipt of e-mail documents using User Parameters.
See Chapter 2 "Confirming Reception" and Chapter 8 "User Parameters" (switch 17, bit 2) in the NIC FAX UNIT TYPE510 manual.

❖ **Limiting User Access When Using LAN FAX Function**

Set Access Control and Access Mask to specify which user has access to this machine, so the machine may notify SUB codes only to limited users, using Transmission Result Notification Mail (Transfer Result Report).
See Chapter 1 "TCP/IP Settings" and Chapter 9 "Transmission Result Notification Mail (Transfer Result Report)" in the NIC FAX UNIT TYPE510 manual.

❖ **Disabling Transmission Using Personal Boxes**

Do not notify SUB codes to users.
See Chapter 7 "Personal Boxes " in the Advanced Features manual.

❖ **Disabling Transmission Using Transfer Boxes**

Do not notify SUB codes to users.
See Chapter 7 "Transfer Boxes"in the Advanced Features manual.

❖ **Transmission Result Notification Mail**

Do not notify SUB codes to users.
See Chapter 9 "Transmission Result Notification Mail (Transfer Result Report) in the NIC FAX UNIT TYPE510 manual.

Troubleshooting

The following error messages appear on the machine display when a problem occurs. If the advice provided below does not solve the problem, contact your service representative.

Message	Causes and Recommended Actions
Check: Network Error! [11-50]	• Set the domain name .
Check: Network Error! [11-51]	• Check the domain name is correctly set. • Check the WINS server address is correctly set, if the domain controller is in a different network segment .
Check: Network Error! [11-52]	• Check the domain controller is operating. • Check TCP/IP is installed in the domain controller.
Authentication ID or password is invalid.	• Set the authentication ID and password correctly. • Check the user specified has access rights.

For details about other error codes, see Chapter 8 "Troubleshooting" in the NIC FAX UNIT TYPE510 manual.

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Important

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🖉 Note

❒ The proper names of the Windows operation systems are as follows:

- The product names of Windows® 2000 are as follows:
  Microsoft® Windows® 2000 Advanced Server
  Microsoft® Windows® 2000 Server

- The product names of Windows Server™ 2003 are as follows:
  Microsoft® Windows Server™ 2003 Standard Edition
  Microsoft® Windows Server™ 2003 Enterprise Edition
  Microsoft® Windows Server™ 2003 Web Edition

- The product name of Windows NT® 4.0 Server is Microsoft® Windows NT® Server 4.0.