

A-Link Plus

ITS-ALINK-PLUS



BOSCH

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1 Overview

1.1 Trademarks

Microsoft, Windows 7 , Vista, XP, and 2000 are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

InstallShield is a registered trademark and service mark of Flexera Software in the United States and other countries.

Trademark names are used throughout this document. In most cases, these designations are claimed as trademarks or registered trademarks in one or more countries by their respective owners. Rather than placing a trademark symbol in every occurrence of a trademark name, Bosch Security Systems, Inc. uses the names only in an editorial fashion and to the benefit of the trademark owner with no intention of infringing the trademark.

1.2 A-Link Plus Remote Programming Software Overview

A-Link Plus is the remote programming software for the Solution Series and CMS Series control panels.

Use A-Link Plus to:

- View and update customer and control panel information
- Send programming data from A-Link Plus to the control panel
- Receive programming data from the control panel into A-Link Plus
- Operate the control panel from a remote location (for example, arm and disarm the system or turn outputs on and off)
- View control panel event memory
- Review the journal
- Query fault conditions(Solution Series)
- Use the codepad simulator(Solution Series)

1.3 A-Link Plus Applications

1.3.1 A-Link Plus

Use A-Link Plus to manage customer information, program customer control panels, and to remotely connect to and operate control panels.

1.3.2 Transfer Tool

The transfer tool transfers data from older versions of A-LINK to A-Link Plus.

1.4 Control Panel Compatibility

A-Link Plus v4.0 is compatible with the following Bosch Solution Series control panels:

- ICP-CC404 v1.x
- ICP-CC408 v1.x
- ICP-CC488 v1.x
- Solution 16 (CC880 and SC8016) v2.x and later
- Solution 844 (CC404_V1.x)
- Solution 844 (CC404_V2.x)
- Solution 880 (CC408_V1.x)
- Solution 880 (CC408_V2.x)
- Solution Ultima 880 (CC488_V1.x)
- Solution Ultima 880 (CC488_V2.x)
- Solution Ultima 844 (CC484_V1.x)
- Solution Ultima 862 (CC486_V1.x)
- Solution 862 (CC406_V1.x)
- Solution 16 (CC880) (Solution 16_V1.4)
- ICP-CMS6-CHI and ICP-CMS8-CHI
- ICP-CMS40-CHI V1.0
- ICP-AMAX-P

1.5 Minimum System Requirements

System Component	Minimum Requirement
Processor	Intel PIII 1.5 GHz or higher
Operating System	<ul style="list-style-type: none"> – Microsoft Windows 7 – Microsoft Windows Vista – Microsoft Windows XP with SP1, 2, or 3
Hard Drive Free Space	At least 4 GB
Memory	At least 256 MB
Mouse	Windows compatible mouse
Video	Standard VGA monitor capable of supporting a resolution of 1024x768 or higher.

2 Installing A-Link Plus

2.1 Install A-Link Plus

A-Link Plus uses an installation wizard to simplify the installation process.

1. Select **Start>Run**.
2. At the prompt, type **X:\setup.exe**.
"X" = the drive letter assigned to the drive where the setup.exe file is located.
3. The **Select Language** dialog opens. Select the language you wish to install A-Link Plus in. Click **Next**.

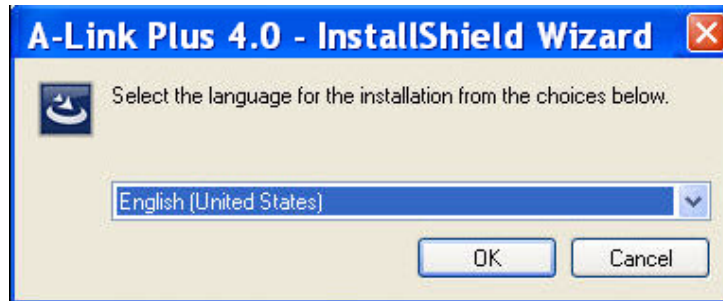


Figure 2.1 Select Language Dialog

4. When the **Welcome** dialog opens, click **Next**.

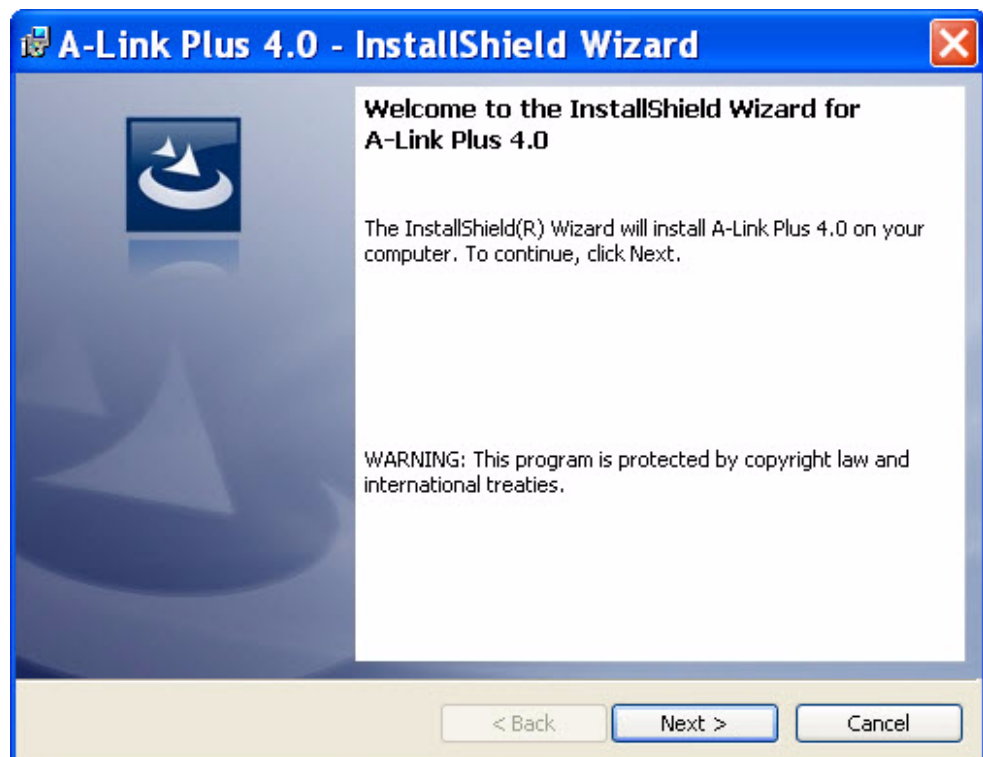


Figure 2.2 Welcome Dialog

5. The **Destination Folder** dialog opens.
Click **Next** to install A-Link Plus in the default location, or click **Change** to install A-Link Plus in a different location.

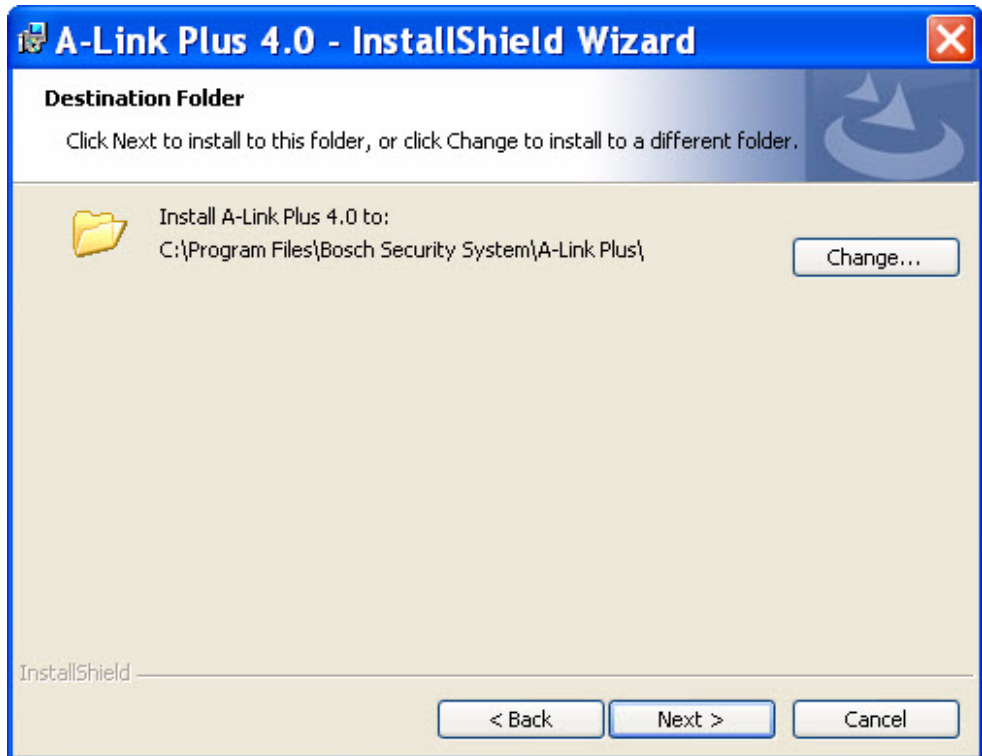


Figure 2.3 Destination Folder Dialog

6. The **Ready to Install the Program** dialog opens. Click **Install** to start the installation, or click **Back** to change the installation setup.

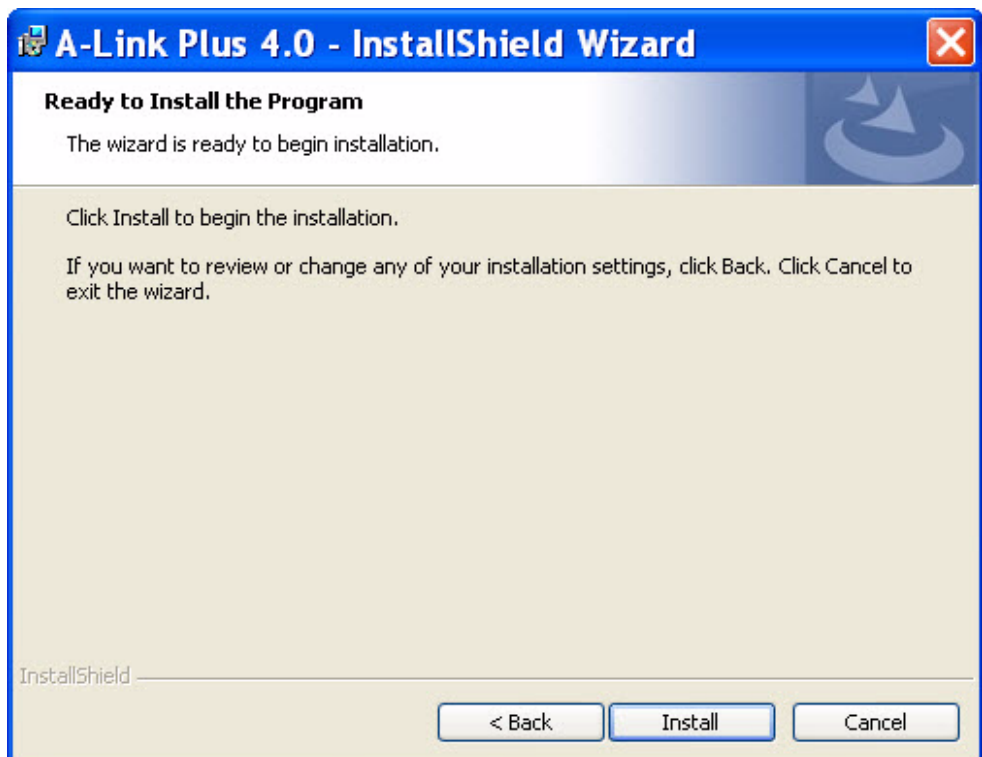


Figure 2.4 Ready to Install the Program Dialog

7. The installation wizard installs A-Link Plus.
When the installation is complete, the **InstallShield Wizard Completed** dialog opens.
To start A-Link Plus immediately, click the **Launch the program** box. Then click **Finish**.

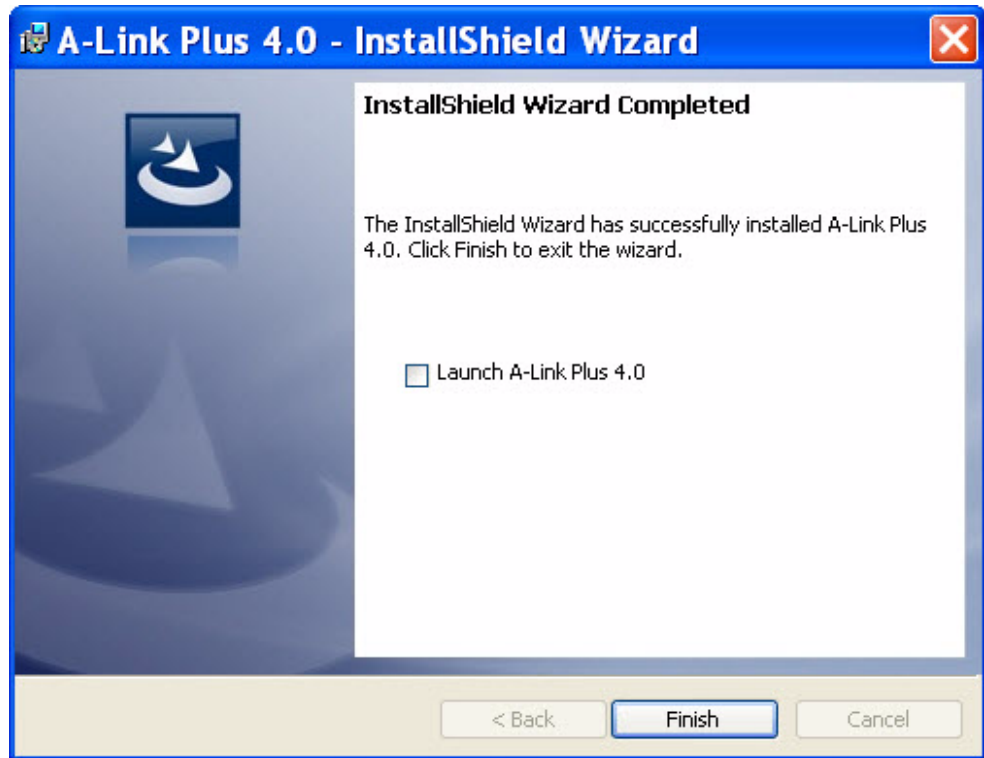


Figure 2.5 InstallShield Wizard Completed Dialog

The installation is now complete, and A-Link Plus is ready to use. For instructions on using A-Link Plus, refer to *Section 3 Using A-Link Plus, page 11*.

2.2 Uninstall A-Link Plus

If you need to uninstall A-Link Plus from the computer:

1. Click **Start>Control Panel>Add or Remove Programs**.
The **Add or Remove Programs** dialog opens.

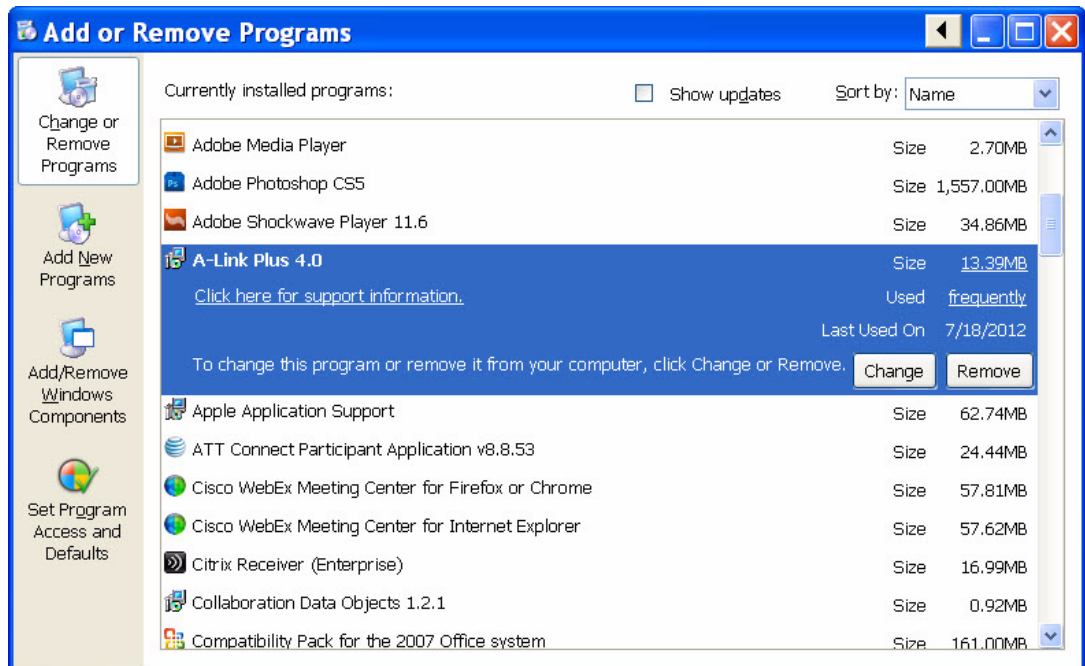


Figure 2.6 Add or Remove Programs Dialog

2. Scroll to **A-Link Plus** and select it.
3. Click **Remove** to uninstall A-Link Plus.
All program files associated with A-Link Plus are removed from the computer.

3 Using A-Link Plus

3.1 Start A-Link Plus

1. Start A-Link Plus by one of two ways:
 - Select **Start>All Programs>Bosch Security Systems>A-Link Plus>A-Link Plus v4.0**, or
 - Double-click the **A-Link Plus v4.0** shortcut on your computer desktop.
2. When the Login dialog opens, enter the **Operator** name and **Password**. The default entries are **ADMIN** for both the **Operator** and **Password** fields. Both entries are case-sensitive.

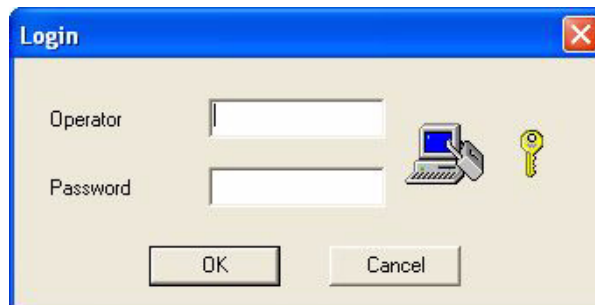


Figure 3.1 Login Dialog

3. Click **OK** to log into A-Link Plus. The A-Link Plus user interface opens.

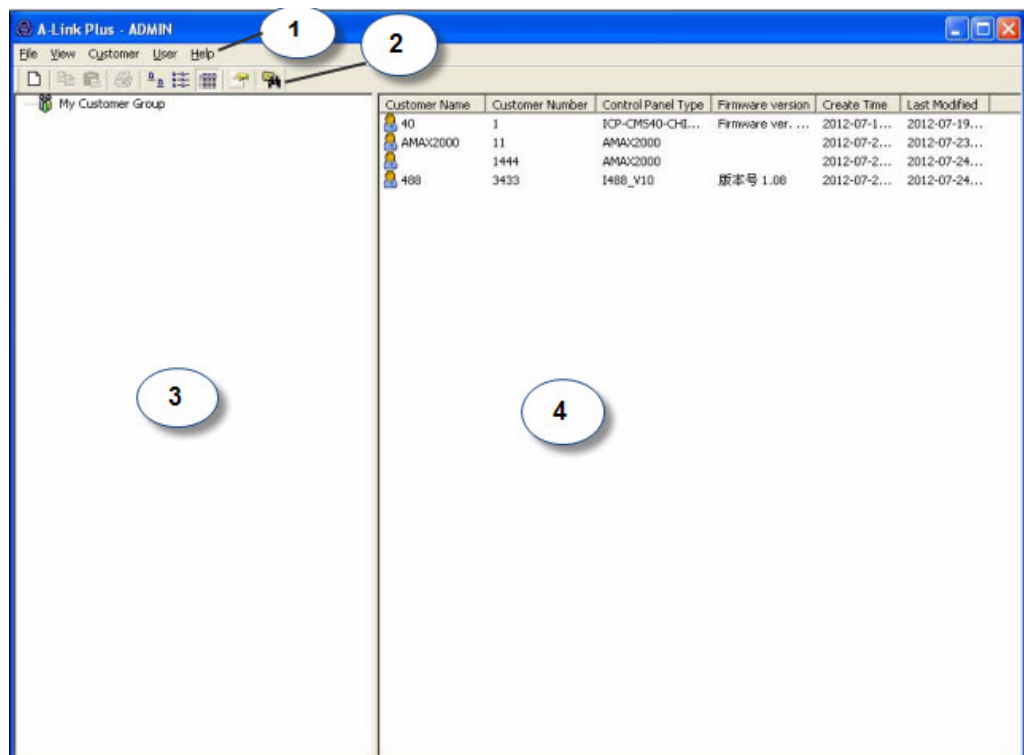


Figure 3.2 A-Link Plus User Interface

Refer to *Table 3.1, Page 12* for callout descriptions.









Callout	Description
1	<p>Menu Bar: Refer below for Menu Bar descriptions:</p> <ul style="list-style-type: none"> – File: From the File menu, you can back up or restore data, or exit A-Link Plus. For more information on backing up and restoring data, refer to <i>Section 3.9 Backing Up and Restoring Data, page 36</i>. – View: From the View menu, you can show or hide the Toolbar, and select a view option for the Customer List (Large Icons, List, or Details). – Customer: From the Customer menu, you can create a new customer group, create a new customer, or open, delete, or search existing customers. For more information on customer groups and customers, refer to <i>Section 3.4 Working with Customer Groups, page 19</i>, and <i>Section 3.5 Working with Customers, page 21</i>. – User: From the User menu, you can set access levels and make other settings for A-Link Plus operators. For more information, refer to <i>Section 3.3 Configuring A-Link Plus Users, page 14</i>.
2	<p>Toolbar: Use the Toolbar buttons to perform several common functions in A-Link Plus:</p> <ul style="list-style-type: none"> –  : Click this button to create a new customer. –  : Click this button to copy the selected customer. –  : Click this button to paste a copy of the selected customer. –  : Click this button to print information about the selected customer. –  : Click this button to show the Customer List using large icons. –  : Click this button to show the Customer List a list. –  : Click this button to show details in the Customer List. –  : Click this button to search for a specific customer.
3	<p>Customer Group Tree: This field shows all of the customer groups. To see the customers assigned to a group, select a group. The assigned customers are shown to the right in the Customer List.</p>
4	<p>Customer List: This field shows all customers when My Customer Group is selected in the Customer Group Tree, or specific customers when a customer group is selected in the Customer Group Tree.</p>

Table 3.1 Figure 3.2 Callouts

When A-Link Plus is started for the first time, the left and right panes are empty. When customer groups and customers are added, the left pane shows a customer group tree and the right pane shows a customer list.

You can scale the size of the user interface by clicking a corner of the user interface and dragging it to the desired size. The border separating the two panes and the columns in the right pane can be scaled as needed.

3.2 Communication Settings

Use the **Communication Settings** dialog to configure communication settings with a control panel.

To open the Communication Settings dialog, select **File>Communication Settings**.

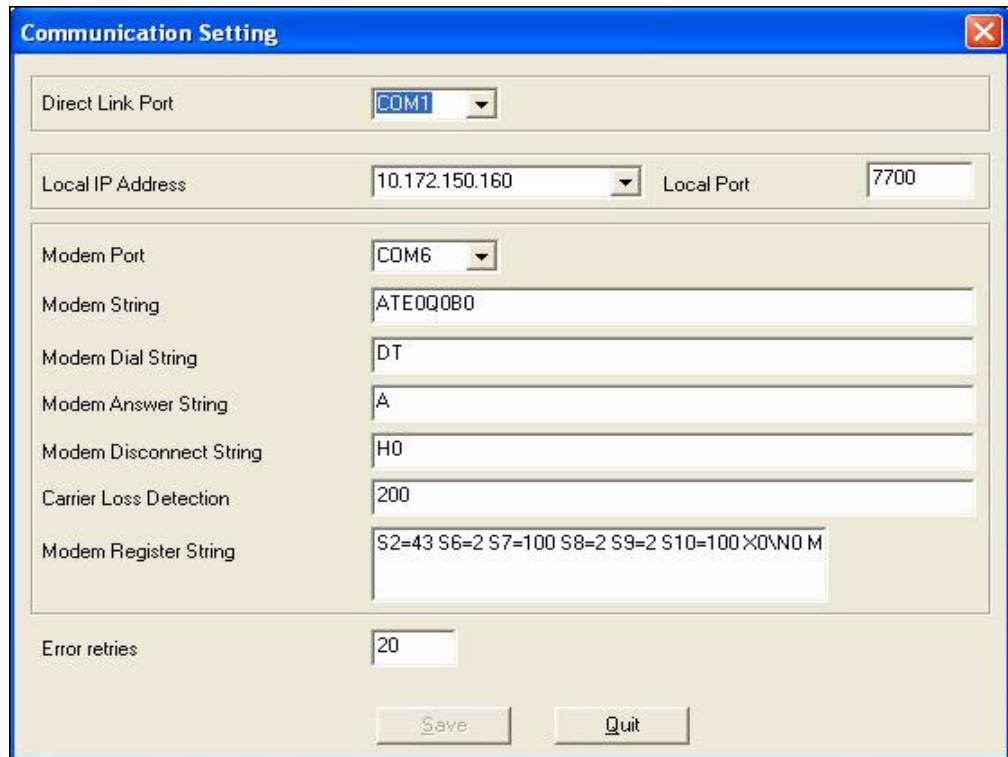


Figure 3.3 Communication Settings Dialog

Make the communication settings as needed. When you are finished, click **Save**.

Refer to *Table 3.3* for descriptions of the fields on the **Communication Settings** dialog.

Field	Description
Direct Link Port	Select the port on your computer that the direct link cable (CC808) is connected to.
Local IP Address	Select the IP address on your computer for network connect.
Local Port	Select the IP port on your computer for network connect.
Modem Port	Select the port on your computer that the modem is connected to.
Modem String	Enter the string that initializes the modem.
Modem Dial String	Enter the string that configures the modem to dial DTMF or Pulse (Decadic).
Modem Answer String	Enter the string that commands the modem to answer the phone line.
Modem Disconnect String	Enter the string that commands the modem to disconnect from the phone line.
Carrier Loss Detection	Enter the amount of time the modem waits before declaring a carrier loss.
Modem Register String	Enter optional parameters that enable other communication functions.
Error Retries	Enter the string that sets the number of errors A-Link Plus accepts before the call is terminated.

Table 3.2 Communication Settings Dialog Fields

For a list of supported modems, refer to *Section 5 Modem Settings, page 39*. Refer also to the documentation supplied with the modem.

3.3 Configuring A-Link Plus Users

The A-Link Plus administrator can add users to A-Link Plus and set their access levels, passwords, and account names.



NOTICE!

Multiple-user capabilities in A-Link Plus allows for a detailed security concept. Using a single administrator account for everyone causes potential security risks and system configuration risks. By creating individual accounts with limited access, these risks are significantly reduced.

There are three access levels in A-Link Plus. Each access level has different associated permissions:

- **Administrator:** Requires full access to all system configurations.
- **Operator:** Typically requires full access to all system configurations except print and user settings.
- **Registrar:** A registrar can only enter customer information.

You can modify the default permissions for any of the access levels. You can also create custom access levels.

3.3.1 Change an Existing Access Level

To change the permissions associated to an existing access level:

1. In A-Link Plus, select **User>Access Level**.
The **Permissions Level Settings** dialog opens.

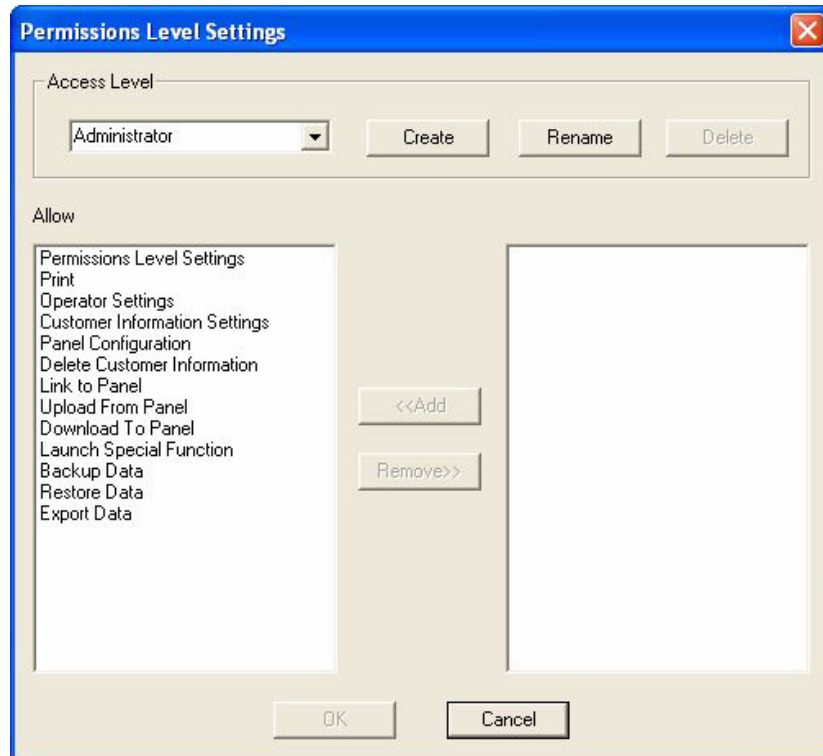


Figure 3.4 Permissions Level Setting Dialog

2. Under **Access Level**, select the intended access level from the menu (**Administrator**, **Operator**, or **Registrar**).
3. In the **Allow** fields, select a permission and click **Add** to add the permission to the access level, or click **Remove** to remove the permission from the access level.
4. Repeat *Step 3* to add or remove additional permissions.
5. **OPTIONAL:** If you need to change the name of an existing access level:
 - a. Select the access level from the menu.
 - b. Click **Rename**.
The **Access Level Name** dialog opens. Refer to *Figure 3.5*.
 - c. In the **Name** field, enter the new name for the access level and click **OK**.
The **Access Level Name** dialog closes, and A-Link Plus uses the new name for the access level.



Figure 3.5 Access Level Name Dialog

6. When you are finished, click **OK** to save your settings and close the **Permissions Level Settings** dialog.

3.3.2

Create a Custom Access Level

To create a new access level:

1. In A-Link Plus, select **User>Access Level**.
The **Permissions Level Settings** dialog opens. Refer to *Figure 3.4, Page 15*.
2. Under **Access Level**, click **Create**.
The **Access Level Name** dialog opens. Refer to *Figure 3.5*.
3. In the **Name** field, enter a name for the new access level and click **OK**.
The **Access Level Name** dialog closes, and the new access level appears in the menu.
4. In the **Allow** fields, select a permission and click **Add** to add the permission to the access level. Repeat this step for all other desired permissions. Refer to *Figure 3.4, Page 15*.
5. When you are finished, click **OK** to save your settings and close the **Permissions Level Settings** dialog.

3.3.3 Add, Change, or Delete a User

A-Link Plus has one default user: ADMIN. The ADMIN user is assigned the administrator access level. For security purposes, Bosch recommends that you keep the ADMIN user for the system administrator, and then create unique user accounts for each A-Link Plus user.



NOTICE!

The default login name and password for the ADMIN user is **ADMIN**. The login name and password are both case-sensitive. When you assign the ADMIN user to the system administrator, change the default login name and password.

Add a User

1. In A-Link Plus, select **User>Operator Settings**.
The **Operator Settings** dialog opens.

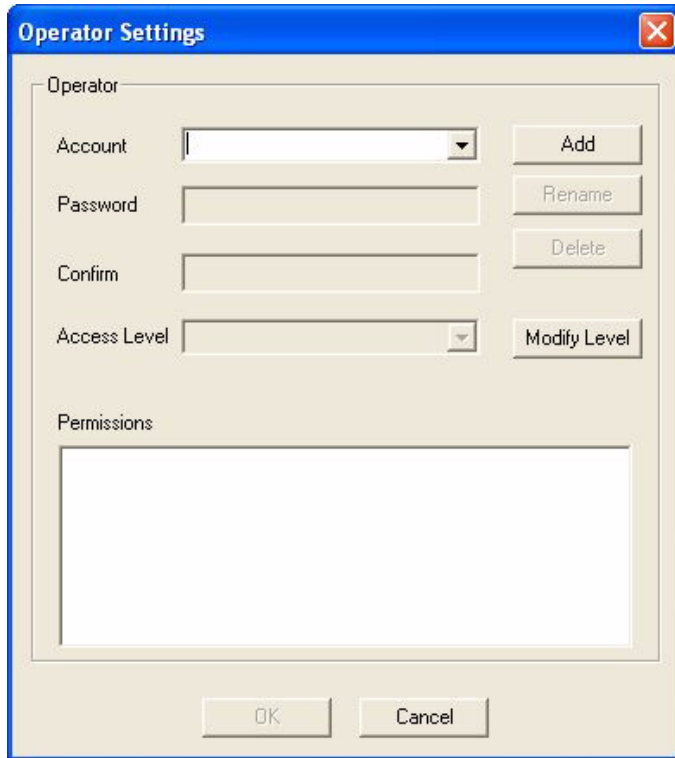


Figure 3.6 Operator Settings Dialog

2. Click **Add**. The **Operator Name** dialog opens.

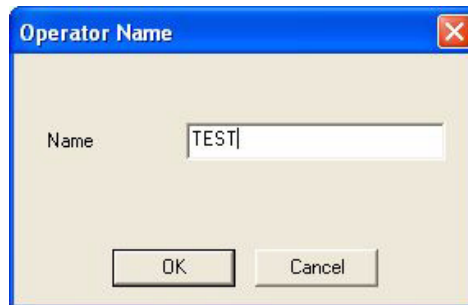


Figure 3.7 Operator Name Dialog

3. Enter a name for the new user and click **OK**.
The **Operator Name** dialog closes, and the **Operator Settings** dialog is updated.

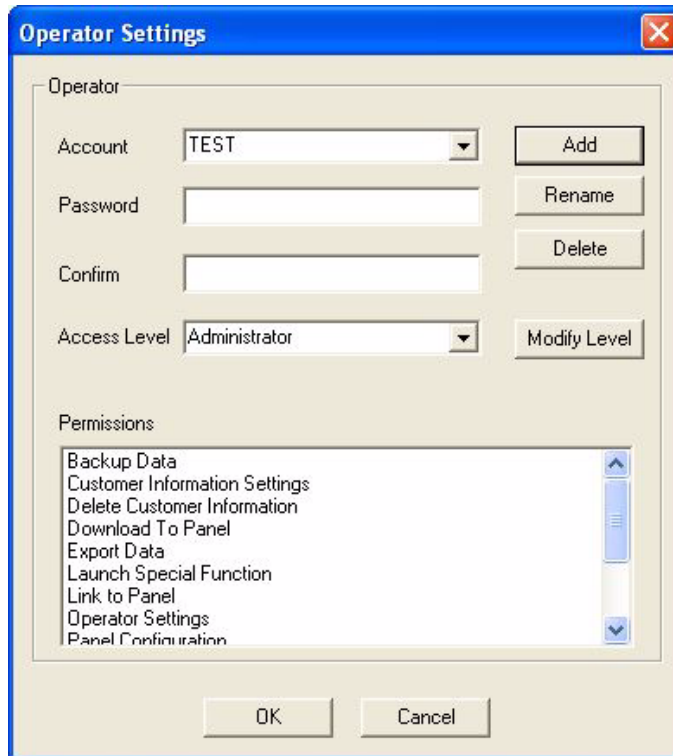


Figure 3.8 Updated Operator Settings Dialog

4. In the **Password** field, enter a password.
5. In the **Confirm** field, re-enter the password.
6. From the **Access Level** menu, select an access level.
7. The **Permissions** field shows the assigned permissions for the selected access level. To change the permissions, click **Modify Level**. Refer to *Section 3.3.1 Change an Existing Access Level, page 14*.
8. When you are finished, click **OK** to save your changes.
9. To add more users, repeat *Steps 3 to 8*. When you are finished adding users, click **Cancel** to close the **Operator Settings** dialog.

Change a User

1. In A-Link Plus, select **User>Operator Settings**.
The **Operator Settings** dialog opens. Refer to *Figure 3.6, Page 17*.
2. From the **Account** menu, select a user.
3. Change the user account as needed:
 - Rename the user
 - Enter a new password
 - Change the access level
 - Change the permissions assigned to the access level

Delete a User

1. In A-Link Plus, select **User>Operator Settings**.
The **Operator Settings** dialog opens. Refer to *Figure 3.6, Page 17*.
2. From the **Account** menu, select a user.
3. Click **Delete**.
A confirmation dialog opens. Click **Yes** to continue. The confirmation dialog closes.
4. Click **OK** to delete the user and close the **Operator Settings** dialog.
Click **Cancel** to close the **Operator Settings** dialog without deleting the user.

3.4 Working with Customer Groups

In A-Link Plus, you can use customer groups to categorize customers with similar attributes (for example, customer location or control panel type and configuration).

3.4.1 Add a Customer Group

There are two ways to add a customer group in A-Link Plus:

- Select **Customer>New Customer Group**, or
- Right-click in the Customer Group Tree and select **New Customer Group**.

In the **New Group** dialog, select a parent group for the new group from the **Parent Group** menu. Enter a name for the new group in the **Group Name** field. Click **OK** to save your entries.

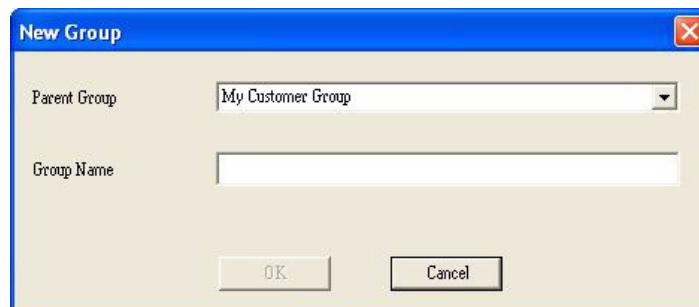


Figure 3.9 New Group Dialog

3.4.2 Rename a Customer Group

There are two ways to rename a customer group in A-Link Plus:

- Right-click the customer group and select **Rename** (refer to *Figure 3.10, Callout #1*), or
- Click the name of the customer group two times (once to select, pause, and then click again to rename), and change the name accordingly (refer to *Figure 3.10, Callout #2*).

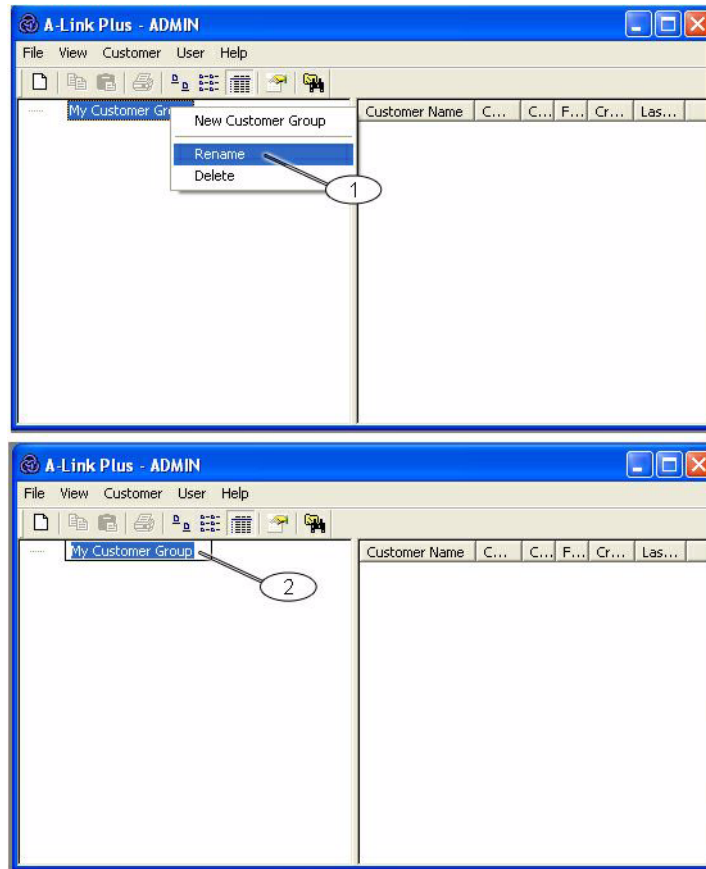


Figure 3.10 Rename a Customer Group

3.4.3 Delete a Customer Group

There are three ways to delete a customer group in A-Link Plus:

- Right-click the customer group and select **Delete**,
- Select the customer group and press the [Delete] key on your keyboard, or
- Select the customer group and press the [Shift] and [Delete] keys on your keyboard.

If you choose either of the first two options, A-Link Plus prompts you to confirm the deletion.

If you choose the third option, A-Link Plus deletes the customer group without confirmation.



NOTICE!

You can only delete an empty customer group. There cannot be any customers or customer sub-groups assigned to the customer group.

You cannot move or delete the root level of the Customer Group Tree (**My Customer Group**).

You can rename the root level.

3.4.4 Change the Parent Customer Group Relationship

You can change the parent customer group relationship with a customer sub-group by selecting the sub-group and moving it to the desired parent group.



NOTICE!

You cannot move or delete the root level of the Customer Group Tree (**My Customer Group**). You can rename the root level.

3.5 Working with Customers

Customers are the clients whose accounts you set up and manage in A-Link Plus.

3.5.1 Add a Customer

There are three ways to add a customer account in A-Link Plus:

- Select **Customer>New Customer**,
- Click the **New Customer** button (refer to *Figure 3.2, Page 11*), or
- Right-click in the Customer List and select **New Customer**.

By default, the **Customer Information** dialog opens to the **Customer Information** tab.

The screenshot shows a software dialog box titled "Customer Information". It features a tabbed interface with the following tabs: "Customer Information", "Panel Configuration", "Link", "History Event", and "Customer NotePad". The "Customer Information" tab is selected. The dialog contains the following fields and controls:

- Customer Group:** A dropdown menu currently displaying "Group 2".
- Customer Number:** An empty text input field.
- Customer Name:** An empty text input field.
- Customer Contact:** An empty text input field.
- Customer's Address:** An empty text input field.
- Customer's Suburb:** An empty text input field.
- Customer's P'code:** An empty text input field.
- Answer Machine Bypass:** An unchecked checkbox.
- S.T.U Connected:** An unchecked checkbox.
- Contact Phone Number:** An empty text input field.
- Panel Phone Number:** An empty text input field.

At the bottom right of the dialog, there are two buttons: "Save" and "Quit".

Figure 3.11 Customer Information Tab

Refer to *Table 3.3, Page 22* when entering data into the **Customer Information** tab.

Field	Description
Customer Group	Select a customer group from the menu options.
Customer Number	Enter the customer ID number (10 digits maximum).
Customer Name	Enter the name of the customer.
Customer Contact	Enter the name of the contact person for the customer.
Customer Address	Enter the customer address.
Customer City	Enter the city where the customer is located.
Customer Postcode	Enter the postcode for the customer.
Answer Machine Bypass	Check this box if Answer Machine Bypass is enabled.
S.T.U Connected	Check this box if an external STU is connected to the control panel.
Contact Phone Number	Enter the phone number for the customer contact person.
Control Panel Phone Number	Enter the phone number for the control panel.

Table 3.3 Customer Information Tab Fields

When you are finished, click **Save**.



NOTICE!

At a minimum, you must enter the **Customer Number** field. Each customer must have a unique customer number.

3.5.2

Rename a Customer Account

There are two ways to rename a customer account in A-Link Plus:

- Right-click the customer and select **Rename**, or
- Click the name of the customer two times (once to select, pause, and then click again to rename), and change the name accordingly.

3.5.3

Open a Customer Account

There are two ways to open a customer account in A-Link Plus:

- Select the customer in the **Customer List**, and then select **Customer>Open Customer**, or
- Double-click the customer in the **Customer List**.

The **Customer Information** dialog opens to the **Customer Information** tab.

3.5.4

Delete a Customer Account

There are four ways to delete a customer account in A-Link Plus:

- Select the customer in the **Customer List**, and then select **Customer>Delete Customer**,
- Right-click on the customer and select **Delete Customer**, or
- Select the customer and press the [Delete] key on your keyboard, or
- Select the customer and press the [Shift] and [Delete] keys on your keyboard.

If you choose any of the first three options, A-Link Plus prompts you to confirm the deletion. If you choose the fourth option, A-Link Plus deletes the customer without confirmation.

3.5.5 Copy and Paste a Customer

In A-Link Plus, you can copy and paste an existing customer in order to create a new customer. To copy a customer, right-click the customer and select **Copy**. Then right-click in the Customer List and select **Paste**.

You can paste the copied customer into a different customer group.



NOTICE!

When you copy and paste a customer, the information in the Panel Configuration tab and Customer Information tab (except customer number and customer name) is retained.

3.5.6 Search Customers

To search for customers in A-Link Plus:

1. Select **Customer>Search Customer**.
The **Search Customer** dialog opens.

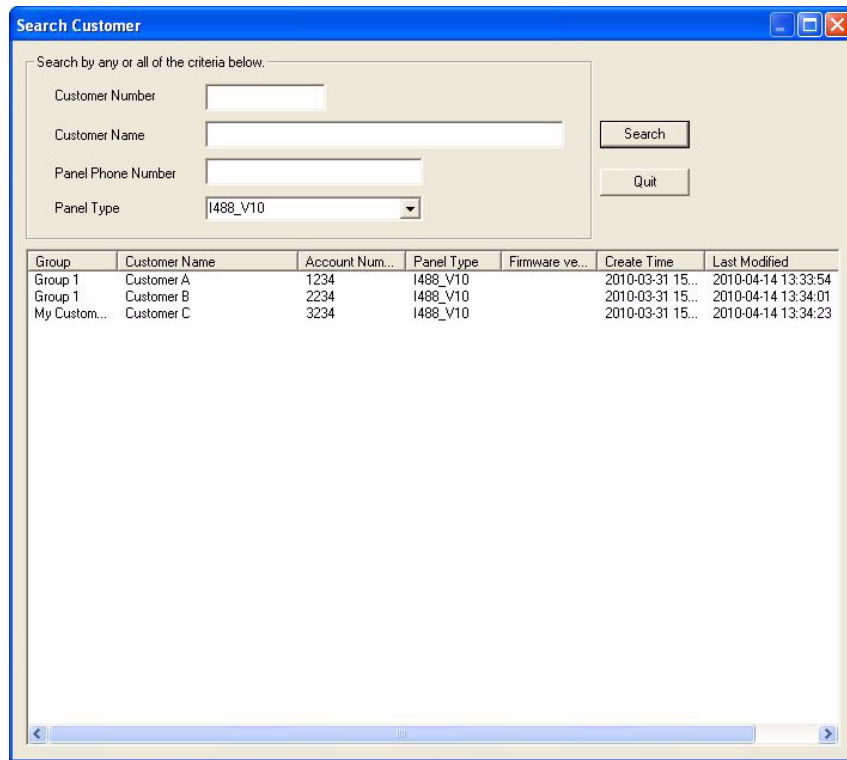


Figure 3.12 Search Customer Dialog

2. Enter the desired search criteria (customer number, customer name, panel phone number, or panel type). Click **Search**.
The results, if any, appear in the field below the search criteria.
3. Double-click a customer to open the **Customer Information** dialog to view configuration settings for the selected customer.
Click **Quit** to close the **Search Customer** dialog.

3.5.7

Customer Information

In A-Link Plus, you can either print or export customer information.

Print Customer Information

1. There are two ways to print customer information in A-Link Plus:
 - Select the customer in the **Customer List**, then select **File>Print**, or
 - Select the customer in the **Customer List**, then click the **Print** button. Refer to *Figure 3.2, Page 11* for the location of the **Print** button.
2. The **Select Print Content** dialog opens.

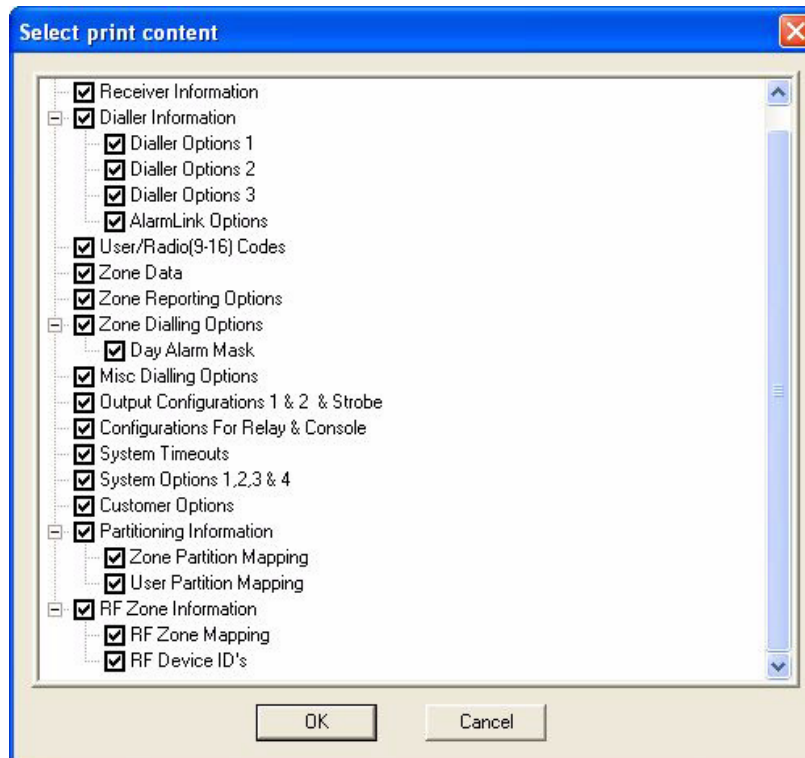


Figure 3.13 Select Print Content Dialog

3. By default, all content is selected for printing. Clear the checkboxes for the content you do not want to print.
4. When you are ready to print, click **OK** and select a printer.

Export Customer Information

To export customer information:

1. Select **File>Export**. The **Select Export Content** dialog opens.

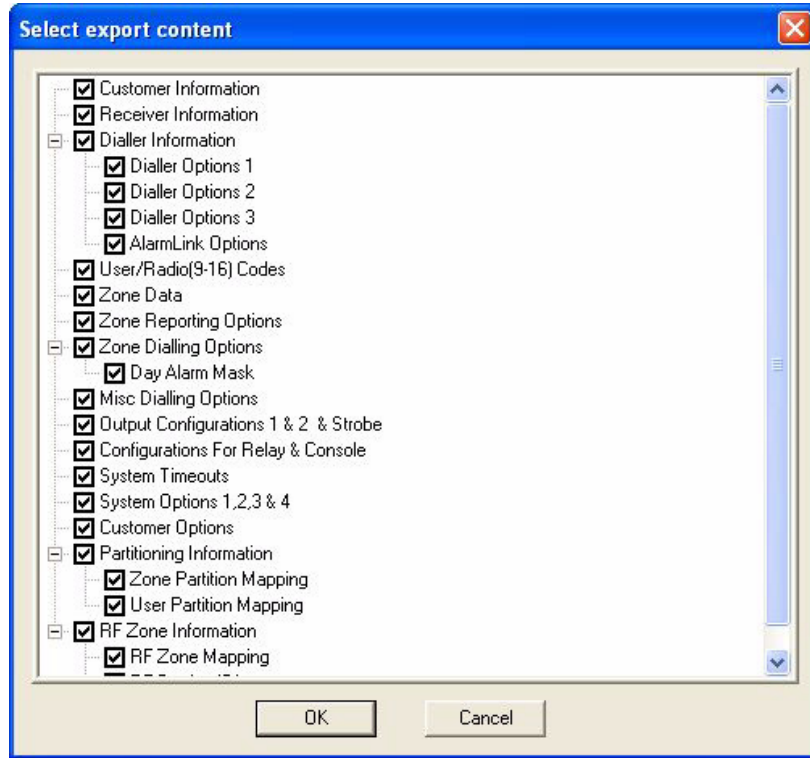


Figure 3.14 Select Export Content Dialog

2. By default, all content is selected for export. Clear the checkboxes for the content you do not want to export.
3. When you are ready, click **OK**. The **Save As** dialog opens.

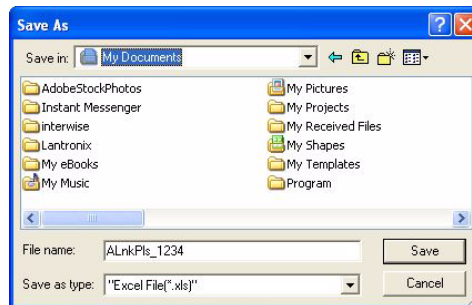


Figure 3.15 Save As Dialog

4. Use the **Save in** menu to find a location to save export the customer information.
5. By default, A-Link Plus assigns a file name using the customer number. If necessary, enter a different file name in the **File name** field.
6. Select a file type from the **Save as type** menu. By default, A-Link Plus exports the customer information as a Microsoft Excel file (.xls). You can also select to export the customer information as a text file (.txt).
7. When you are ready, click **Save**. A-Link Plus exports the customer information to the specified location and in the specified file format.

3.6 Configure a Control Panel

To configure a control panel using A-Link Plus:

1. Select a customer and open the account.
2. When the **Customer Information** dialog opens, select the **Panel Configuration** tab.

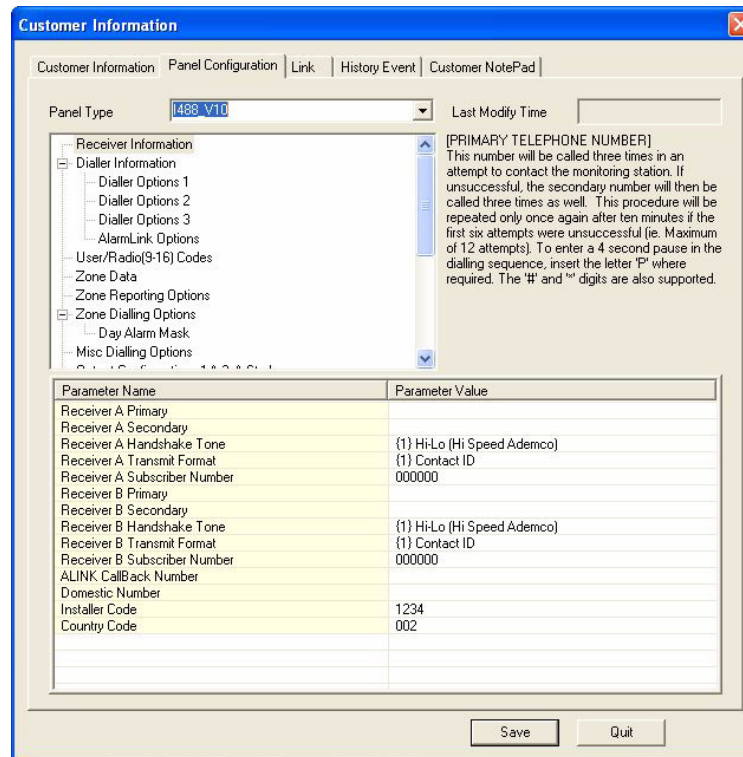


Figure 3.16 Panel Configuration Tab

3. For a new customer, select the control panel type installed at the customer site from the **Panel Type** menu.
You cannot change the control panel type for existing customers.
4. When you select a control panel type, the **Panel Configuration** tab updates to show the programming parameters for the selected control panel type.
5. Configure the control panel programming as required. Refer to the quick help in A-Link Plus and the control panel documentation for programming details.
6. When you are finished configuring the control panel, click **Save**.

There are two types of fields that A-Link Plus uses on the **Panel Configuration** tab:

- **Editable Field:** To enter data in an editable field, right-click the field and select **Edit**. Enter the data and then press [Enter] on your keyboard. Refer to *Figure 3.17* for an example of an editable field.

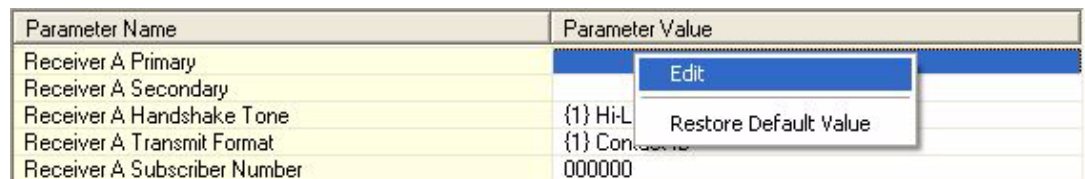


Figure 3.17 Example of an Editable Field

- **Combination Field:** A combination field contains a list of options to select from. Right-click the field and select **Edit**. Click the arrow to see the list of options, and select an option. Refer to *Figure 3.18* for an example of a combination field.

Parameter Name	Parameter Value
Receiver A Primary	
Receiver A Secondary	
Receiver A Handshake Tone	{2} 1400Hz (Low Speed Ademco)
Receiver A Transmit Format	{1} Hi-Lo (Hi Speed Ademco)
Receiver A Subscriber Number	{2} 1400Hz (Low Speed Ademco)
Receiver B Primary	{3} 2300Hz (Low Speed Sescosa)
Receiver B Secondary	{4} No handshaking. Use this with ### caution ##
Receiver B Handshake Tone	{5} Pager Handshake
Receiver B Transmit Format	{1} Contact ID
Receiver B Subscriber Number	000000

Figure 3.18 Example of a Combination Field

If you need to reset a parameter to its default value, right-click the parameter and select **Restore Default Value**.

3.7 Link to a Control Panel

Use the **Link** tab to establish a connection between A-Link Plus and the control panel.

To open the **Link** tab:

1. Open a customer account and select the **Link** tab.

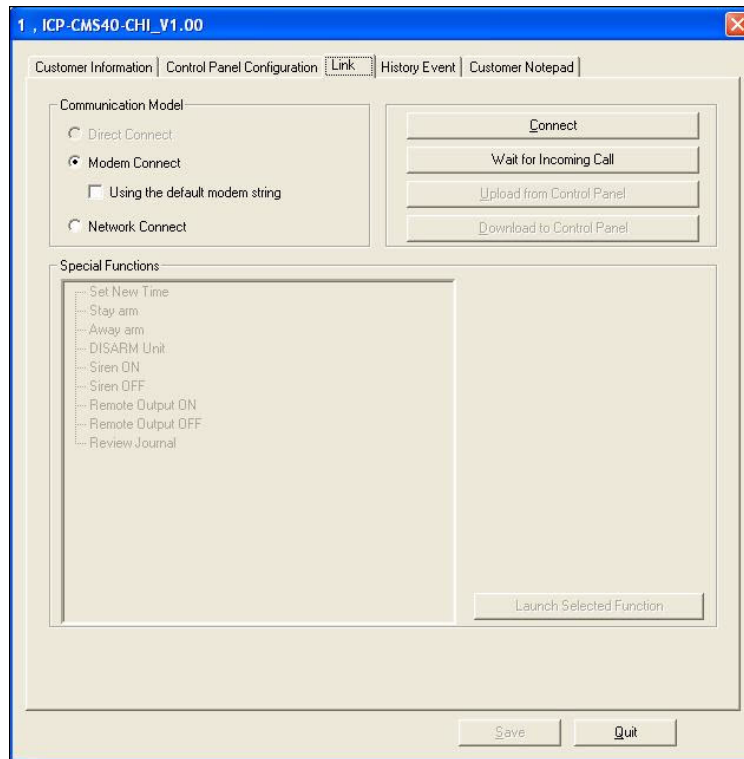


Figure 3.19 Link Tab

2. Select a communication method (**Direct Connect**, **Modem Connect**, or **Network Connect**).
 - For **Direct Connect**, refer to *Section 3.7.1 Direct Connect, page 28*.
 - For **Modem Connect**, refer to *Section 3.7.2 Modem Connect, page 28*.
 - For **Network Connect**, refer to *Section 3.7.3 Network Connect, page 28*

3.7.1

Direct Connect

1. Connect the CC808 Direct Link Cable to an available COM port on the A-Link Plus computer and the control panel.
2. From the **Link** tab, select **Direct Connect** and click **Connect**.
3. When A-Link Plus is online with the control panel, A-Link Plus compares the date and time settings in the control panel to the settings on the A-Link Plus computer. If there is a difference, A-Link Plus prompts you to synchronize the date and time settings between the A-Link Plus computer and the control panel.
4. When date and time settings are synchronized, you can choose from the following options:
 - Upload programming data from the control panel to A-Link Plus.
Refer to *Section 3.7.4 Upload/Download Programming Data, page 30*.
 - Download programming data from A-Link Plus to the control panel.
Refer to *Section 3.7.4 Upload/Download Programming Data, page 30*.
 - Perform a special function.
Refer to *Section 3.7.5 Special Functions, page 31*.

3.7.2

Modem Connect

1. Connect the modem to the A-Link Plus computer.
Refer to *Section 5 Modem Settings, page 39* and the modem documentation for modem settings and options.
2. From the **Link** tab, select **Modem Connect**.
With Modem Connect, there are three communication options to choose from:
 - **A-Link Plus calls the control panel:** Click **Connect** to start a communication session using the connected modem.
 - **The control panel calls back after A-Link Plus calls first (Callback):** If the Callback is enabled in the control panel programming, A-Link Plus waits for the control panel to return the phone call before starting a communication session.
 - **A-Link Plus waits for an incoming call:** Click **Wait for Incoming Call**. A-Link Plus then waits for the control panel to call before starting a communication session. Operate callback command through the control panel keypad, the control panel calls back the programmed monitoring station phone number.
3. When A-Link Plus is online with the control panel, A-Link Plus compares the date and time settings in the control panel to the settings on the A-Link Plus computer. If there is a difference, A-Link Plus prompts you to synchronize the date and time settings between the A-Link Plus computer and the control panel.
4. When date and time settings are synchronized, you can choose from the following options:
 - Upload programming data from the control panel to A-Link Plus.
Refer to *Section 3.7.4 Upload/Download Programming Data, page 30*.
 - Download programming data from A-Link Plus to the control panel.
Refer to *Section 3.7.4 Upload/Download Programming Data, page 30*.
 - Perform a special function.
Refer to *Section 3.7.5 Special Functions, page 31*.

3.7.3

Network Connect

1. Connect the network to the control panel that supports network, and connect the network to the A-Link Plus computer.
Refer to *Section 3.2 Communication Settings, page 13* for local network address and network port settings.

2. From the **Link** tab, select **Network Connect**.
With Network Connect, there are two communication options to choose from:
 - **A-Link Plus connects the control panel:** Click **Connect** to start a communication session using the local IP address and port settings.
 - **A-Link Plus waits for control panel connection:** Click **Wait for Incoming Call**. A-Link Plus then waits for the control panel to connect before starting a communication session. Operate callback command through the control panel keypad, the control panel directly connects to the A-Link Plus using the local IP address and port settings.
3. Below options are enabled when A-Link Plus is online with the control panel.
 - Upload programming data from the control panel to A-Link Plus.
Refer to *Section 3.7.4 Upload/Download Programming Data, page 30*.
 - Download programming data from A-Link Plus to the control panel.
Refer to *Section 3.7.4 Upload/Download Programming Data, page 30*.
 - Perform a special function.
Refer to *Section 3.7.5 Special Functions, page 31*.

3.7.4 Upload/Download Programming Data

When A-Link Plus is online with the control panel, you can either send or receive programming data.

Upload Data from the Control Panel

1. Click **Upload from Control Panel** to copy the programming data from the control panel into A-Link Plus.

If there are differences between the programming data in the customer account and the control panel, A-Link Plus prompts you to continue.

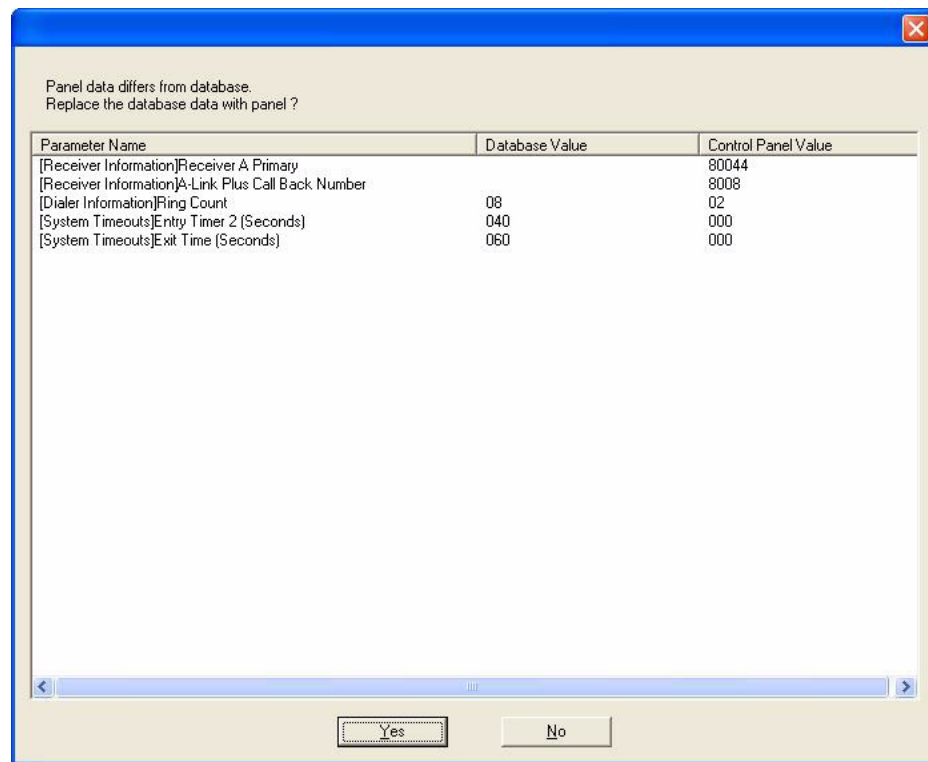


Figure 3.20 Upload Prompt

2. Click **Yes** to continue with the upload.
3. A-Link Plus replaces the data in the customer account with the data from the control panel, and marks the changes in red on the **Panel Configuration** tab.
4. Click **Save** to save the programming data that you uploaded into A-Link Plus.

Download Data to the Control Panel

Click **Download to Control Panel** to send the programming data in A-Link Plus into the control panel.

3.7.5 Special Functions

The special functions options are enabled when A-Link Plus is online with the control panel. Select a function from the list, and then click **Launch Selected Function**. Refer to the following sections for descriptions of the special functions.

ARM/DISARM Unit

Select **ARM Unit** to arm the system. The system arms after the two-beep warning. Select **DISARM Unit** to disarm the system. The system disarms after the two-beep warning.

Siren ON/OFF

Select **Siren ON** to turn the siren on. Select **Siren OFF** to turn the siren off.

Remote Output ON/OFF (Solution Series)

Select **Remote Output ON** to turn the remote output on. Select **Remote Output OFF** to turn the remote output off. If the system has multiple output channels, select the appropriate channel. Refer to *Figure 3.21*.

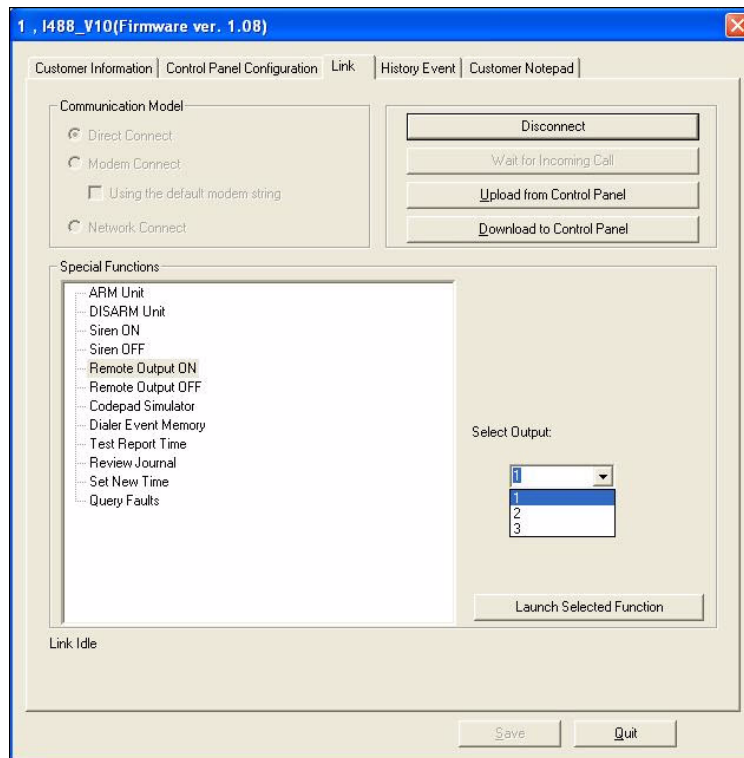


Figure 3.21 Remote Output Special Function

Codepad Simulator(Solution Series)

Select **Codepad Simulator** to launch a simulated codepad. The simulator shows the on-board zones and status for system power (AC and battery) and siren. To perform system operations, use your computer keyboard to press the keys on the codepad simulator. Refer to *Figure 3.22* and *Table 3.4*.

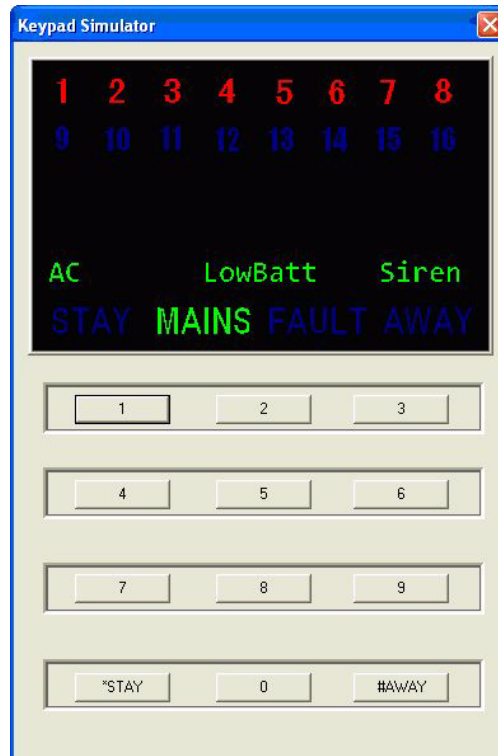


Figure 3.22 Codepad Simulator

On your computer keyboard, press a key shown in the Keyboard Key column to operate the corresponding codepad simulator key.

Keyboard Key	Codepad Simulator Key
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
0	0
*	*STAY
/	#AWAY

Table 3.4 Keyboard-to-Codepad Simulator Keystrokes

Dialer Event Memory

Select **Dialer Event Memory** to open the dialer event log.

When you close the dialer event log, A-Link Plus asks if you want to save data to the log. Click **Yes**.

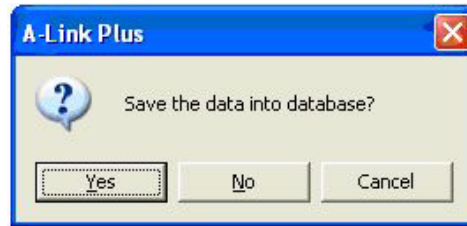


Figure 3.23 Save Data Prompt

This prompt only appears for existing customer accounts with data already saved to the log. This prompt does not appear for new customers with no data saved in the log.

Test Report Time

Select **Test Report Time** to enter a new time for the control panel to send test reports to the monitoring station.

Review Journal

Select **Review Journal** to open the journal log.

When you close the journal log, A-Link Plus asks if you want to save data to the log. Click **Yes**.

This prompt only appears for existing customer accounts with data already saved to the log.

This prompt does not appear for new customers with no data saved in the log.

Set New Time

Select **Set New Time** to adjust the time setting in the control panel.

Query Faults(Solution Series)

Select **Query Faults** to open the fault log. The fault log only opens if a fault has occurred.

When you close the fault log, A-Link Plus asks if you want to save data to the log. Click **Yes**.

This prompt only appears for existing customer accounts with data already saved to the log.

This prompt does not appear for new customers with no data saved in the log.

3.8 History Events

To view the history log:

1. Open a customer account.
2. From the **Customer Information** dialog, select the **History Event** tab.

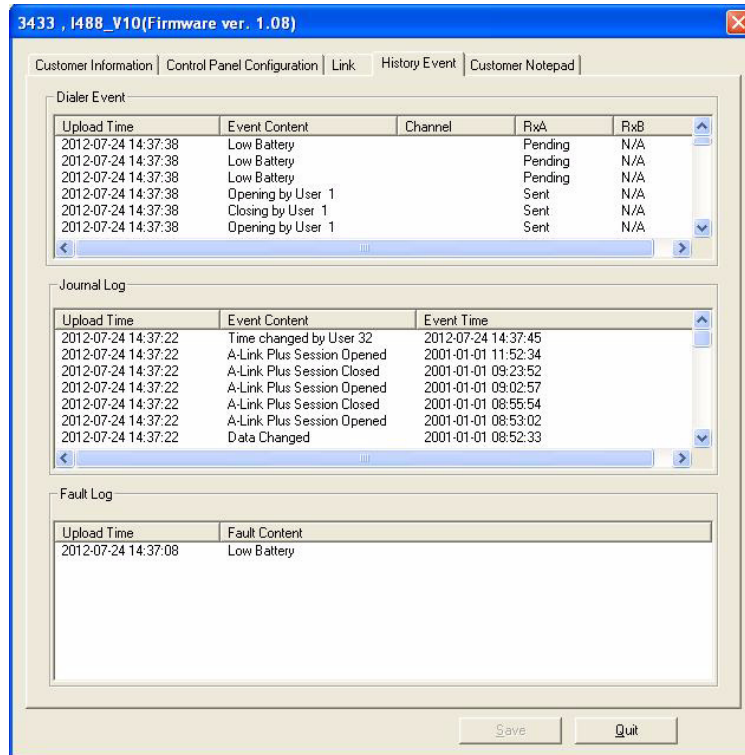


Figure 3.24 History Event Tab

To search the history:

1. Right-click the list you want to search in (Dialer Event, Journal Log, or Fault Log) and select **Search**. The **Search History** dialog opens.

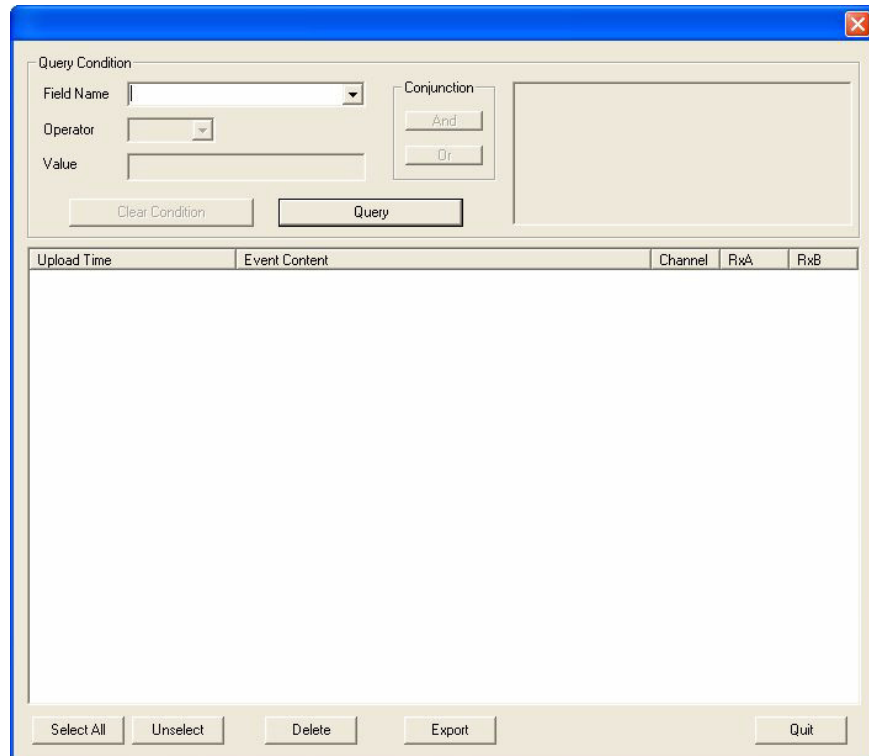


Figure 3.25 Search History Dialog

2. Use the **Query Condition** fields to define your search parameters.
3. Click **Query** to search the history.
4. When the search is complete, you can either export or delete a single event or multiple events.

3.9 Backing Up and Restoring Data

3.9.1 Back up Data

1. Select **File>Backup Data**. The **Backup Data** dialog opens.

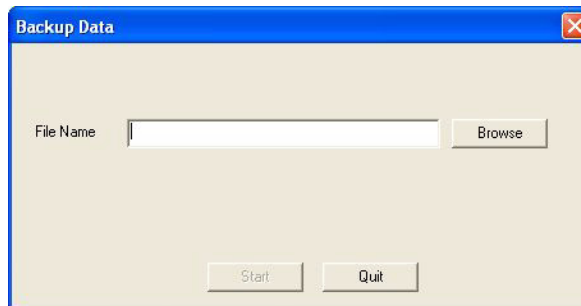


Figure 3.26 Backup Data Dialog

2. Click **Browse** and specify a location to save the backup file (.WBF).
3. Click **Start**. A-Link Plus confirms the backup was successful.

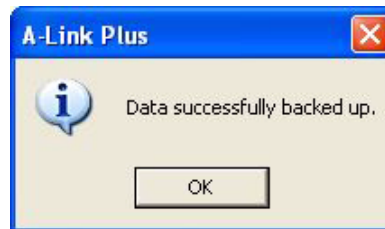


Figure 3.27 Backup Confirmation

4. Click **OK**. The backup is complete.



NOTICE!

A-Link Plus only backs up the following data: Access levels, user information, customer information (except for the history log), and customer group information (except for the root group).

3.9.2

Restore Data

1. Select **File>Restore Data**. The **Restore Backup Data** dialog opens.

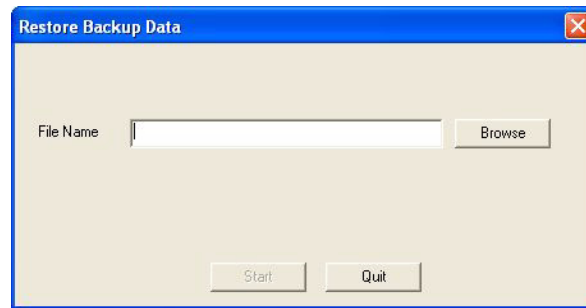


Figure 3.28 Restore Backup Data Dialog

2. Click **Browse** to find the location of the backup (.WBF) file.
3. If there is duplicate data in the backup file and A-Link Plus, A-Link Plus prompts you to either skip or overwrite the duplicate data. Click **Skip** or **Overwrite**. Click **Apply to All Items** to apply this action to all occurrences of duplicate data.

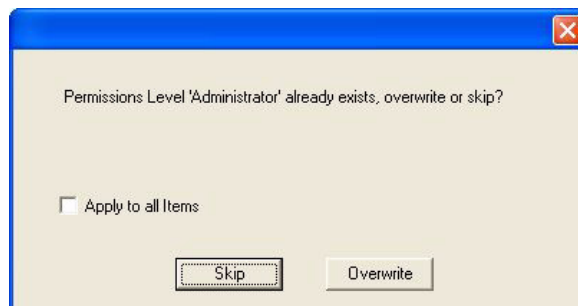


Figure 3.29 Restore Data Skip/Overwrite Dialog

4. A-Link Plus confirms that the restore was successful. Click **OK**.



Figure 3.30 Restore Confirmation

4 Transferring A-Link Plus Data

If you are using the DOS version of A-LINK, A-Link Plus provides a tool to transfer data from the DOS version of A-LINK to the Windows version of A-Link Plus.

To open the transfer tool:

1. Select **Start>All Programs>Bosch Security Systems>A-Link Plus v4.0>Transfer Tool**. The **A-LINK Transfer** dialog opens.

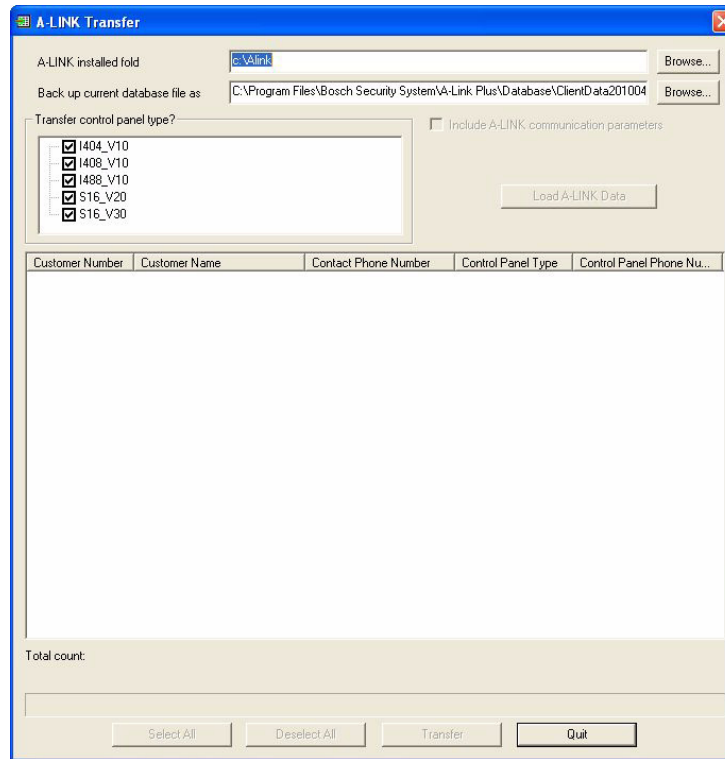


Figure 4.1 A-LINK Transfer Dialog

2. Next to the **A-LINK installed fold** field, click **Browse** and find the location for the DOS version of A-LINK.
3. Next to the **Back up current database** file as field, click **Browse** and find the location of the current A-Link Plus backup file.
4. Click **Load A-LINK Data**.
The data from A-LINK loads into the data field below.
5. Under **Transfer control panel type?**, select the control panel types that must be transferred.
6. If desired, select **Include A-LINK communication parameters**.
A-Link Plus will use the communication parameters as configured for A-LINK.
7. From the data field, select the individual data elements to transfer, or click **Select All** to select all of the data elements.
8. Click **Transfer**.
The progress bar below shows the completion rate for the data transfer.

5 Modem Settings

This section shows configuration settings for modems that were tested for use with A-Link Plus. To ensure the modem communicates properly with A-Link Plus and the control panel, use the settings shown in this section.

Modem Tested	Modem Register Strings, DIP Switch Settings
Banksia Bit Blitzer 12E	S2=43 S6=2 S7=100 S8=2 B0 DIP Switch Settings: 1=OFF, 2=OFF, 3=ON, 4=OFF, 5=ON, 6=OFF, 7=ON, 8=ON, 9=ON, 10=ON
Banksia Bit Blitzer XM124S/RFAX	S2=43 S6=2 S7=100 S8=2 B0 S9=2 S10=100 X0 M3 L3
Banksia PCMCIA MyFast Modem v.34 - 33.6K	S2=43 S6=2 S7=100 S8=2 B0 S9=2 S10=100 %C0 X0 M1
Banksia MyVoice Modem - 33.6K	S2=43 S6=2 S7=100 S8=2 B0 S9=2 S10=100 X0 M1

Table 5.1 Settings for Banksia Modems

Modem Tested	Modem Register Strings
Datacraft Multispeed V32 BIS (Dataplex) Telecom	&F0 F1 S2=43 S6=2 &K0 V0 S7=150 S8=2 S10=21 M2 L2
Dataplex DPX596	S2=43 S6=2 S7=60 S8=2 F1 &E0 *E0 %F0 *F0 S9=2 S10=100 X0 M1

Table 5.2 Settings for Dataplex Modems

Modem Tested	Modem Register Strings
Dynalink V1414VQH	S2=43 S6=2 S7=100 S8=2 S37=3 N0 \N0 B0 V0 S9=2 S10=100 X0 M3 L3
Dynalink V1428VQH	S2=43 S6=2 S7=100 S8=2 S37=3 N0 \N0 B0 V0 S9=2 S10=100 X0 M3 L3

Table 5.3 Settings for Dynalink Modems

Modem Tested	Modem Register Strings
Hayes ACCURA	S2=43 S6=2 S7=100 S8=2 V0 B15 S9=2 S10=100 X0 M3 L3 &Q0 NOTE: In Modem Strings , replace the B0 command with B15 .
Hayes OPTIMA	S2=43 S6=2 S7=100 S8=2 V0 B15 S9=2 S10=100 X0 M3 L3 NOTE: In Modem Strings , replace the B0 command with B15 .
Hayes OPTIMA 144	S2=43 S6=2 S7=100 S8=2 B15 S9=2 S10=100 X0 M3 L3 &Q0 NOTES: <ul style="list-style-type: none"> - In Modem Strings, replace the B0 command with B15. - Version 1.10 only synchronizes by initiating a modem call from the control panel (operate callback command through keypad).

Table 5.4 Settings for Hayes Modems

Modem Tested	Modem Register Strings
Lightspeed 5600 ASVD	S2=43 S6=2 S7=100 S8=2 S10=255 X0 M1

Table 5.5 Settings for Lightspeed Modems

Modem Tested	Modem Register Strings
Maestro Executive 96M	S2=43 S6=2 S7=100 S8=2 B0 %C0 V0 S9=2 S10=100 X0 M3 L3

Table 5.6 Settings for Maestro Modems

Modem Tested	Modem Register Strings
Netcomm 1234	S2=43 S6=2 S7=100 S8=2 B0 V0 S9=2 S10=100 X0 M2 L3 NOTE: This modem has problems interpreting transmissions on some bit patterns. This problem might interfere with uploading data from the control panel.
Netcomm Smart Modem V32 M5	S2=43 S6=2 S7=100 S8=2 S0=0 \N0 %C0 %E0 #J0 &C0 S9=2 S10=100 X0 M1 NOTES: <ul style="list-style-type: none"> - In Modem Settings, replace the B0 command with B15. - Switches SW1-SW5 = DOWN, SW6-SW8 = UP
Netcomm Voice Master 288	S2=43 S6=2 S7=100 S8=2 V0 B0 %C0 &Q0 S9=2 S10=100 X0 M2 L2

Table 5.7 Settings for Netcomm Modems

Modem Tested	Modem Register Strings
Spirit Cobra 33600	B1 S2=043 S7=255 S8=2 S9=10 S10=100 +MS=0,0,300,300 \N0 X1 M3 L3
Spirit Ventura 33.6K PCMCIA	S2=43 S6=2 S7=100 S8=2 B0 S9=2 S10=100 X0 M1
Spirit Viper	S2=43 S6=2 S7=100 S8=2 S37=1 N0 B0 S9=2 S10=100 X0 M3 L3 %C0 %E0 V0 NOTE: For some older Viper modems, set Programming Location 899 to 14 .

Table 5.8 Settings for Spirit Modems

Modem Tested	Modem Register Strings
Xstreama XT2814SAM	S2=43 S6=2 S7=100 S8=2 S9=2 V0 S10=100 X0 M2 &Q6 %C0 S37=1 N0 F1

Table 5.9 Settings for Xstreama Modems

Modem Tested	Modem Register Strings
Zoom V.32BIS	S2=43 S6=2 S7=100 S8=2 %C0 &Q6 S37=1 N0 &C1 B0 S9=2 S10=100 X0 M3 L3 V0

Table 5.10 Settings for Zoom Modems

Modem Tested	Modem Register Strings
ZyXEL Alink 2.61 and later	S2=43 S6=2 S7=100 S8=2 V0 &N16 &K0 &M0 &H0 &C0 *Q0 S9=2 S10=100 X0 M3 L3

Table 5.11 Settings for ZyXEL Modems

Bit Blitzer 12E

The Bit Blitzer 12E Modem has a 10-position DIP switch bank located on the underside of the case. These DIP switches allow for easy configuration. Refer to *Table 5.12* and *Table 5.13* when using the Bit Blitzer 12E Modem with A-Link Plus.

Modem String Description	Modem String Setting
Modem String	ATE0Q0B0
Modem Dial String	DT
Modem Answer String	A
Modem Disconnected String	H0
Carrier Loss Detection	200
Modem Register Strings	S2=43 S6=2 S7=100 S8=2 S9=2 S10=100 X0 M1
Error Retries	20

Table 5.12 String Settings for the Bit Blitzer 12E Modem

DIP Switch	Setting
1	OFF
2	OFF
3	ON
4	OFF
5	ON
6	OFF
7	ON
8	ON
9	ON
10	ON

Table 5.13 DIP Switch Settings for the Bit Blitzer 12E Modem

GENPAC 32C Modem

Modem String Description	Modem String Setting
Modem String	ATE0Q0&F2S0=0
Modem Register Strings	XOM1

Table 5.14 String Settings for the GENPAC 32C Modem

Maestro Jetstream Series 3 Modem

Modem String Description	Modem String Setting
Modem String	ATE0Q0B0
Modem Dial String	DT
Modem Answer String	A
Modem Disconnected String	H0
Carrier Loss Detection	200
Modem Register Strings	S2=43 S6=2 S7=100 S8=2 S9=2 S10=100 X0\N0 M3 L3 B0 V0 +MS=V21
Error Retries	20

Table 5.15 String Settings for the Maestro Jetstream Series 3 Modem

Maestro Jetstream M240 V92 Modem

Modem String Description	Modem String Setting
Modem String	ATE0Q0B0
Modem Dial String	DT
Modem Answer String	A
Modem Disconnected String	H0
Carrier Loss Detection	200
Modem Register Strings	S2=43 S6=2 S7=100 S8=2 S9=2 S10=100 X0\N0 M3 L3 B0 V0 +MS=V21
Error Retries	20

Table 5.16 String Settings for the Maestro Jetstream M240 V92 Modem

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www.boschsecurity.com

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