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1 Installation

The setup program that installs Stay-Linked on your device has several features. This setup application will retain your Stay-Linked client parameters for multiple installations. The installation wizard will provide the opportunity to configure some of the client options as part of the installation.

Once the client can connect to your Stay-Linked Server, all of the client settings can be centrally managed and configured using the Client Settings features. Details about this and other features can be found in the Stay-Linked Administrator User's Guide.

1.1 Typical Installation

A typical installation of Stay-Linked uses Microsoft ActiveSync or Windows 7 Mobile Device Center. We recommend the following steps to install Stay-Linked on your devices:

1. Completely configure all network parameters within the device's networking controls.
2. Test your network configuration by using a ping utility. Please note that ActiveSync may disable the network interface and prevent radio traffic.
3. Download the latest Stay-Linked client from our website. Installing older client software may prevent some features available in the Stay-Linked Administrator from working.
4. Extract the installation files from the ZIP file that was downloaded to a folder that can be easily located.
5. Place any supplemental configuration files in the folder containing the Stay-Linked client installation objects. These files are described in detail in the Supplemental Configuration Files section of the Stay-Linked Client Guide. Please note that the extkeys.ini file will not be transferred if the extended keys option is disabled in the installation wizard.
6. Establish an ActiveSync guest partnership between your PC and your device.
7. Run Setup.exe from the PC. **Running the setup file from within a ZIP file will cause the installation to fail.**
8. Accept the Terms and conditions of the End User License Agreement to continue with the installation.
9. Select the desired options in the installation wizard and enter the network address of your Stay-Linked server.
10. Select any options displayed on your mobile device to complete the installation. If the device prompts for an installation directory, please choose the default value. Selecting an alternate value will cause issues with the automatic persistence of the Stay-Linked client software.

When using third party or manufacturer persistence management utilities it is critical that the Stay-Linked directories are excluded from the managed file list. If these files are made persistent using these third party applications, the Stay-Linked features for automatic software and setting updates will be unable to work properly.

When using a third party application to lock down the use of the device, please be sure to disable the Stay-Linked application lockdown and full screen mode features. These features will compete with other applications for control of the Windows taskbars if enabled while other software is attempting to manage your device.

The Stay-Linked client installation wizard.

The screenshot shows the 'Stay-Linked Setup' window. At the top, the Stay-Linked logo is displayed with the tagline 'Application Mobility. Host Reliability.'. Below the logo, a message states: 'This application will install the Stay-Linked client onto your Psion XT15 CE 6.0 device. Make sure your device is connected to your desktop via ActiveSync.' Below this message, there are two input fields: 'Product' with the value 'Stay-Linked' and 'Version' with the value '10.0.0 (115)'. A red arrow points to the 'Version' field with the text 'Client version and build number.'.

Below the input fields is a section titled 'STAY-LINKED(r) SOFTWARE SOLUTION SUITE END USER LICENSE AGREEMENT'. It contains the text: 'PLEASE READ THIS DOCUMENT CAREFULLY BEFORE DOWNLOADING, OPENING AND/OR USING SOFTWARE PROVIDED TO YOU BY LICENSOR, AS IT CONTAINS THE TERMS AND CONDITIONS BY'. Below this text are two radio buttons: 'No, I do not accept the terms' and 'Yes, I accept the terms'. A red arrow points to the 'Yes, I accept the terms' option with the text 'Accept the EULA to continue.'.

Below the radio buttons are two checked checkboxes: 'Verify Free Storage required for installation' and 'Install Device Management Component'. A red arrow points to the 'Verify Free Storage required for installation' checkbox with the text 'Check for available space before installing.' and another red arrow points to the 'Install Device Management Component' checkbox with the text 'Install device management features.'.

At the bottom right of the window are two buttons: 'Install >>' and 'Exit'.

The following items appear in the configuration dialogues during setup. If you follow the manual installation steps, these and other configuration panels will appear in the configuration options of the client. **Please note that all of these configuration options, and many others, can be centrally managed by using the Client Settings features found in the Administrator console, and described in detail in the Administrator User's Guide.**

On the Server tab there are only two options.

Server IP: Enter the IP address or DNS name of the Stay-Linked server.

Server Port: Enter the port that the Stay-Linked server process is listening on. This port is 3006 by default. This option is commonly confused with telnet port 23. Since telnet sessions are started by the Stay-Linked server process the telnet port is configured as port of the telnet hosts. Please see the Administrator User's Guide for more information.

Each of the options listed on the Miscellaneous tab is detailed in the Stay-Linked Client Guide. Basic descriptions are as follows:

Auto Connect tells the client when to connect to the Stay-Linked server.

Auto run determines if the client software will automatically run after a device reboot.

App Lock-down can be set to Show, Hide, or None. A setting of 'None' will allow the users to minimize the Stay-Linked client as typical of any Windows application. Using a value of 'Show' or 'Hide' will force users to supply a password to close or minimize the Stay-Linked Client. This setting will also force the backlight and keyboard timeout values set in the device group to take effect and set the device time to match the time on the Stay-Linked server. The choice of show or hide refers to the Windows start menu bar, which will be hidden or display based on your chosen value.

Full Screen mode can be set to enable or disable. Setting this option to enable will remove the toolbar and status bar from the client, providing more display area. The application lockdown setting will override the display of the Windows system bar when set to show.

Extended Keys provides a tappable toolbar at the bottom of the display for extra commands and keystroke values. Detailed configuration options are available in the Stay-Linked client guide found next to the installation guides on our website.

The screenshot shows the 'Persistence Configuration' dialog box with the 'Server' tab selected. The 'Miscellaneous' sub-tab is active. Under the 'Server Configuration' section, the 'Server IP' field contains '192.168.0.1' and the 'Server Port' field contains '3006'. At the bottom are buttons for 'OK', 'Cancel', 'Apply', and 'Help'.

The screenshot shows the 'Persistence Configuration' dialog box with the 'Miscellaneous' sub-tab selected. Under the 'Connection' section, the 'Auto Connect' dropdown is set to 'Never', 'Auto run' is set to 'Yes', 'App Lock-down' is set to 'No', 'Full Screen' is set to 'No', and 'Extended Keys' is set to 'No'. At the bottom are buttons for 'OK', 'Cancel', 'Apply', and 'Help'.

1.2 Installation Components

There are four key components to the installation of Stay-Linked, including:

- **Setup.exe** is the program that starts the installation process for your device.
- **Settings.ini** contains a list of settings that will be transferred into the staylink.ini used by the client software on startup. This file is created during the installation process and will not be found in the initial files downloaded from the Stay-Linked website.
- **Staylink.ini** contains values for each of the configuration options supported by the Stay-Linked client. Settings that are not specified in this file will use their default values.
- **StayLinked_PTXXT15_CE6_ARMV4I.CAB** contains the running components of the Stay-Linked thin client.
- **SLAthena_WINCE_ARMV4I.CAB** contains the running components of the Stay-Linked device management features. All device management features require this application, found in \Program Files\Stay-Linked\SLAthena\Athena.exe to be started.

1.3 Preloading Stay-Linked settings via Settings.ini

When installing the client software on multiple devices it is possible to pre-configure this file with your desired options. Once you have all of the desired options listed in this file, run the Setup.exe program and follow the normal installation instructions. The settings dialogues will be pre-loaded with any options you have added from this file.

[host configuration] This section fills the first two property sheets in the persistence installation setup, and is the basis of the staylink.ini file the will set each parameter of the client software on your device.

In order to process additional client configuration parameters that are not available through the two host configuration property sheets, simply add them to the [host configuration] section for the setup to process on installation. If you have Stay-Linked running on a device, you can pull the staylink.ini file from the device to see its current configuration options.

A Sample settings.ini file could look like this:

```
[host configuration]
host_ip=192.168.100.12
host_port=3006
always_in_range=1
auto_run=0
always_connect=1
full_screen=1
ext_func_keys=1
```

If you are using the supplemental configuration files detailed in the PPC/CE Client User Guide you can place these configuration files in the installation source directory to have them included in your installation. Please note that the extkeys.ini file will only be transferred if the extended keys (ext_func_keys) option is enabled in the device settings.

1.4 Manual Installation with Persistence

Other installation options are available, including Wavelink Avalanche and Symbol MSP's rapid deployment. Some devices will have integrated FTP options or even network browsing capabilities. No matter what method you use, certain steps must be taken to ensure the software will be persistent through a cold boot operation. Without this, each time the device performs a cold boot, the Stay-Linked software will require additional effort to be reinstalled on the device.

If you prefer to manually install the Stay-Linked client software instead of using the Setup application, follow these steps:

1. Create a directory named "StayLinked" in the "\Flash Disk" folder.
2. Copy the StayLinked_PTXXT15_CE6_ARMV4I.CABfile into "\Flash Disk\StayLinked".
3. Do not tap on the CAB file here to install the Stay-Linked Client as the installer in the device will delete the file after installation. Instead, create a copy of the CAB in another location such as "\Temp" and install the client from this directory.
4. Make sure the target directory for the installation is "\Program Files\Stay-Linked".
5. Follow steps 2 through 4 for the SLAthena_WINCE_ARMV4I.CAB file if you wish to make the device management features available for this device. Please note that the Stay-Linked server process will require separate licensing for the device management and terminal emulation products.

1.5 Setup and Configuration

If these options are not selected during the installation process, you will need to configure the address and port of the Stay-Linked server. If this is the first time using Stay-Linked you should review the Stay-Linked Client Guide for details of the capabilities of the client software:

1. Choose "Stay-Linked" from the Start menu.
2. Select Host->Configure...
3. Enter the Host and Port where the server is running.
4. Click OK.

Please note that all configuration options for the Stay-Linked clients can be configured using the ATSM features in the Stay-Linked Administrator. Please review the Client Settings section of the Administrator User's Guide for additional details.

2 Configure RF

Configuring the radio is the first step to connecting to the Stay-Linked server. The configuration steps are specific to the network card manufacturer. Please refer to the manufacturer's instructions for details on configuring the network. The parameters in this section are specific to the demonstration device provided by the manufacturer.

2.1 Radio Settings

The radio settings are accessible through the Wi-Fi Config option in the Programs section of the Start menu.



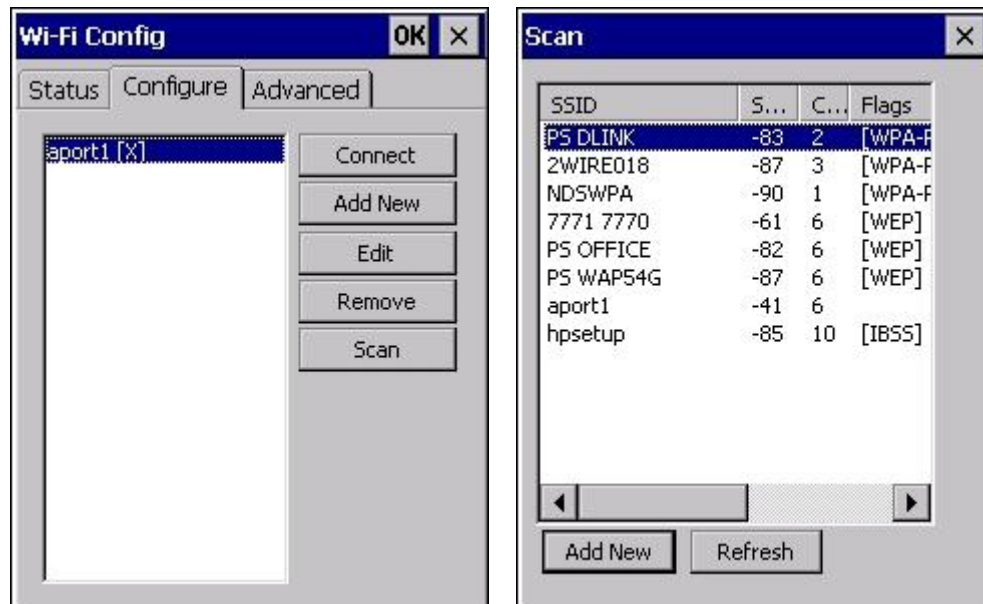
With any network connection, it is important that you make sure you have connectivity between the remote device and your Stay-Linked server. Using the Wireless Status option may help you determine the status of your connection.

Using a ping test will help confirm that the device and server can reach each other over your network. Most radio configuration programs contain a ping test, as does the Stay-Linked client.



2.2 Managing Radio Profiles

In cases where you are broadcasting your network name from the access points, you can select “Scan” to select your network from the list. Once selected, enter your encryption/security settings. If you are not broadcasting, you will need to select “Add New” to manually enter all of your settings. For every profile you will need a complete list of settings that matches the values configured on your wireless access points.



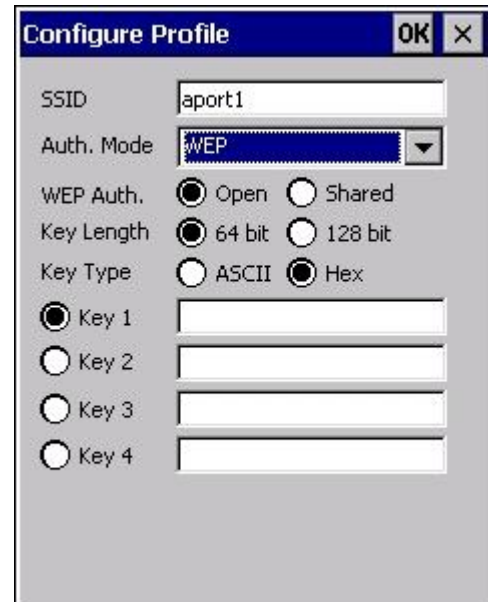
2.3 Profile Dialogues

Creating a profile is done by entering the network name or 'SSID' and the various security options that match your network configuration.

SSID: Identifies the profile and the name of the network you are connecting to.

Authentication Mode: Select the type of authentication configured on your access points. Some security types will expand the dialogue.

Please refer to the manufacturer documentation for details of the available security protocols and their configuration options.



The 'Configure Profile' dialog box contains the following fields and options:

- SSID:** Text field containing 'aport1'.
- Auth. Mode:** Dropdown menu set to 'WEP'.
- WEP Auth.:** Radio buttons for 'Open' (selected) and 'Shared'.
- Key Length:** Radio buttons for '64 bit' (selected) and '128 bit'.
- Key Type:** Radio buttons for 'ASCII' and 'Hex' (selected).
- Key 1:** Text field.
- Key 2:** Text field.
- Key 3:** Text field.
- Key 4:** Text field.

Power Saving Mode: This setting affects the radio power management capabilities. Due to the unique architecture of Stay-Linked, it is recommended that you use CAM mode for all devices. Power management can power down the radio, which requires it to power up each time you transmit data. This power up and down can cause significant delays in the transmission of data and make the device appear sluggish to work with.



The 'Wi-Fi Config' dialog box has three tabs: 'Status', 'Configure' (selected), and 'Advanced'. It contains the following elements:

- Use Windows to configure my wireless settings:** An unchecked checkbox.
- Power Save Mode:** A section containing 'Roaming - RSSI Threshold' and 'Roaming - AP Delta'.
- CAM:** A dropdown menu set to 'CAM'.
- Footer:** A note stating 'A device reset may be required to apply changes made.'

3 IP Address Configuration

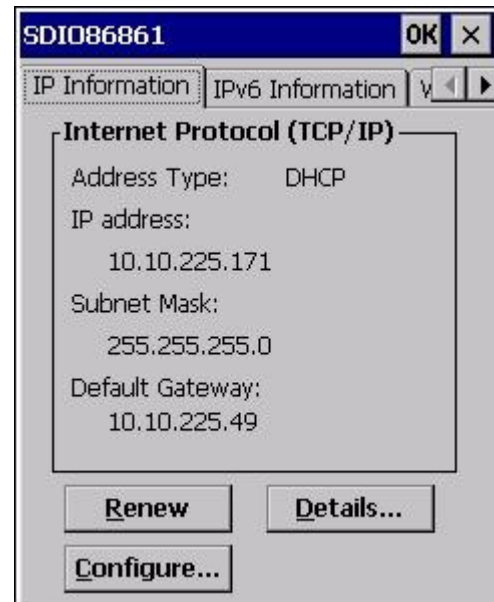
Configuring the network address is done by selecting Start > Settings > Network > TIWLNAPI1. On our device, the IP information and configuration is available in on the left-most tabs, which are not visible when the panel opens. Selecting the left arrow at the top will scroll across the available tabs.

IP Information

This panel displays basic information about the status of the network address. Additional buttons at the bottom of the window provide access to more information, configuration and DHCP address renewal.

Devices that are not properly assigned a network address with typically display an address of 127.0.0.1 which is known as the local loopback, 'home address', or 'myself. This address is invalid for network transactions.

Please note that using a DHCP address may cause issues when the IP address is used as an emulation parameter. Values like the 5250 Workstation ID may be duplicated as devices change addresses during normal operation.



IP Address: Device IP address.

Subnet Mask: Identifies network segment.

Preferred Gateway: Default gateway or router.

Name Servers: This tab contains the configuration for DNS and WINS servers.

DNS Address: Adds an additional panel to the radio configuration with the Domain Name Server (DNS) address.

Static WINS Address: Adds an additional panel to the radio configuration with the Windows Internet Name Service (WINS) address..



4 Support Information

The following items may be helpful in the use of Stay-Linked with this device.

4.1 Rebooting the handheld

Holding down the [Function] and [Power] keys for four seconds will cause the device to perform a warm reset. As an alternative, selecting Start > Shutdown will give the option to suspend, warm, or cold reset your device.

A warm boot will reset the keyboard, scan engine, radio and operating system to the persistent settings. Performing a cold reset of your device will cause of re-install of applications and a reset similar to the warm boot.

Restarting a device will not reflect any changes to existing sessions within Stay-Linked. Rebooting during a Stay-Linked session will return the user to the session at the exact point in which they left it.

4.2 Default Stay-Linked Keys

Due to the wide range of keyboards available with this device, it is best to refer to the Stay-Linked Administrator and review the keyboard map for your device. These keyboards are interchangeable and can return a variety of different device types. Each device type must have a matching keyboard map installed for the device to connect to your server. Missing keyboard maps will cause the device to return an esp0003 error message.

4.3 Keyboards

Full Alpha Numeric



Numeric



Numeric Alpha Modified



5 *Contact Information*

For further information or technical assistance, please contact your Stay-Linked Certified Partner or you may contact us directly.



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