



Quick  
Start Guide

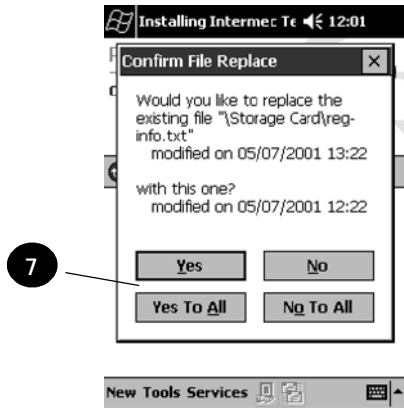
Configuring  
Your  
Cisco Radio  
Client Adapter

## ***Introduction***

Before you begin, ensure your unit is fully charged.

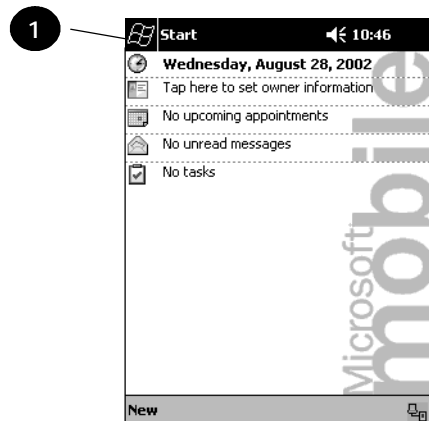
1. The first time you turn on your 700 you are introduced to the *Intermec 700 Mobile Computer* screen. After a few seconds you proceed to the *Welcome Pocket PC* screen. Tap your stylus to advance to the next screen.
2. You are then prompted through the *Align Screen* process. Read the display messages and follow the instructions.
3. The *Stylus* screen prompts you through the two ways to use your stylus.
4. The *Pop-up Menu* screen walks you through an exercise using pop-up menu screens. Follow the prompts and press Next when done.
5. The *Location* screen allows you to select your time zone. Enter your time zone then press Next and the *Complete* screen appears.
6. Tap the screen to complete your initial set up. The Cisco Radio Client Adapter applications screens load.

- Occasionally you might get a prompt asking if you want to replace existing file. Select **Yes To All**.

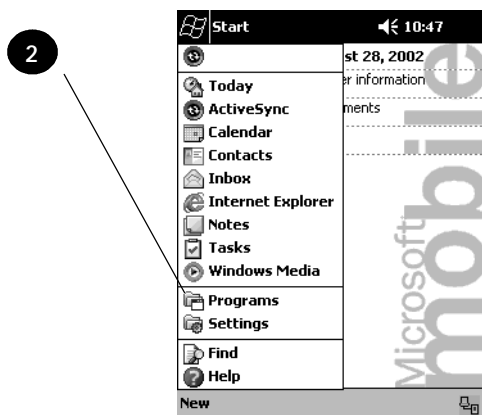


## Setting up Your Cisco Radio Client Adapter

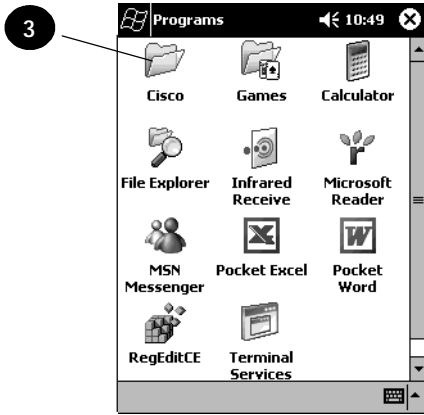
1. Tap on the Start icon in the upper left hand corner of the screen.



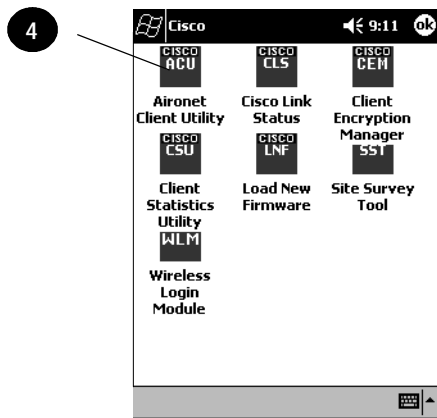
2. From the Start drop-down screen, tap on the Programs option.



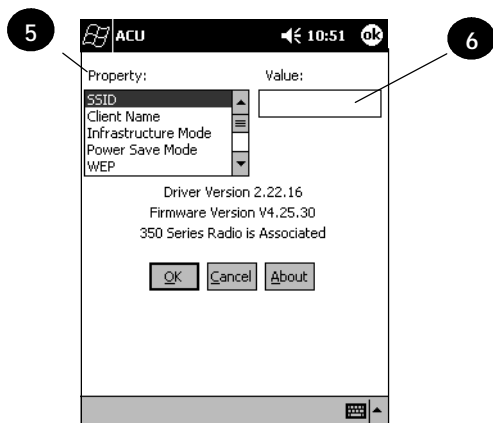
3. In the Programs screen, tap on the Cisco icon.



4. In the Cisco screen, tap on the Aironet Client Utility (ACU).



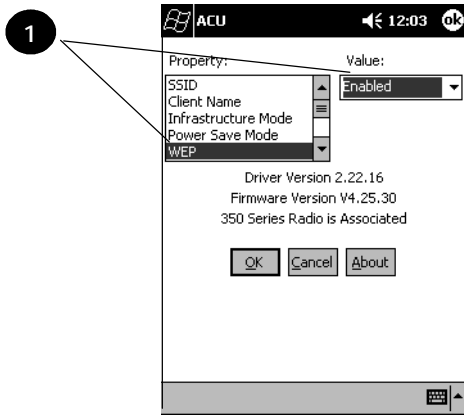
5. The ACU Screen appears. The Property box lists the configuration parameters that can be changed, and the Value box contains the highlighted parameter's current value.
6. The Value box can appear as a drop-down list with several possible values from which to choose or as a blank field in which you fill in the characters.



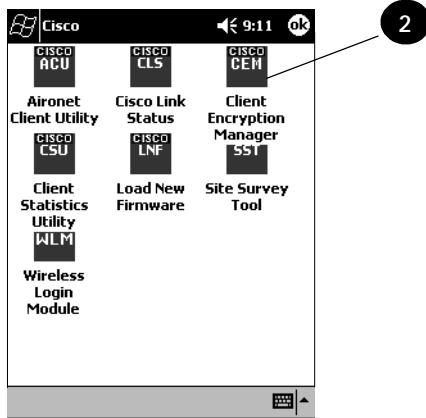
To review the Property and Value options refer to Table 1 *Cisco Radio Client Adapter Configuration Parameters*.

## **Setting WEP Key Option**

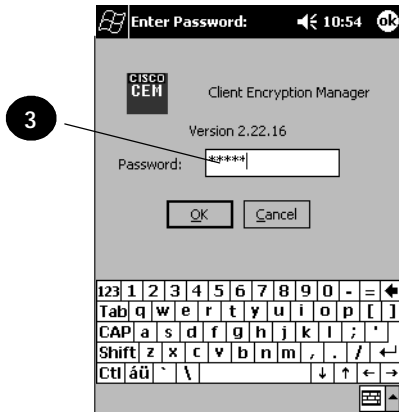
1. From the ACU screen, at the Value pull-down menu, enable WEP and tap OK.



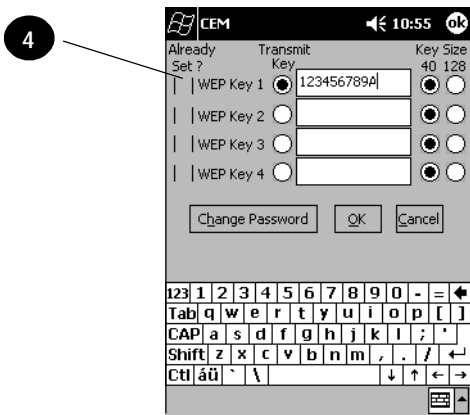
2. From the Cisco folder, tap on the Client Encryption Manager icon.



3. Enter "Cisco" as the password (case sensitive) and tap OK.



4. Choose 40-bit (10 characters) or 128-bit (26 characters) WEP Key and enter the key (hexadecimal). Illustration is showing an example with the 40-bit key selection.

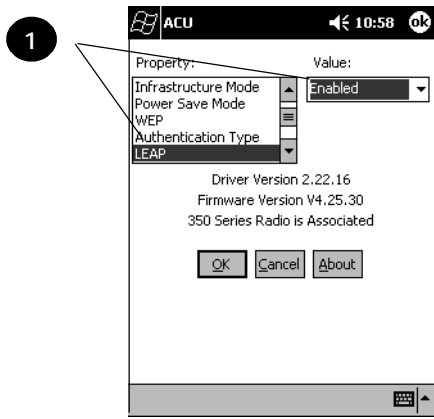


5. Ensure you tap OK at the end of your session to save the changes you make.

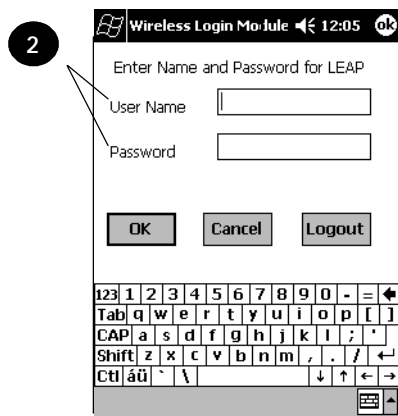


## Setting LEAP Key Option

1. From the ACU Folder, select LEAP and enable it, then tap OK.



2. A Wireless Login Module screen appears and you are prompted for a User Name and a Password. Enter a user name and password then tap OK.



3. Ensure you tap OK at the end of your session to save the changes you make.

**Table 1**  
**Cisco Radio Client Adapter**  
**Configuration Parameters**

<b>Parameter</b>	<b>Description</b>
SSID	<p>The Service Set Identifier (SSID) identifies the specific wireless network that you want to access.</p> <p><b>Range:</b> Up to 32 characters (case sensitive)</p> <p><b>Default:</b> A blank field. If you leave this parameter blank, your client adapter can associate to any access point on the network that is configured to allow broadcast SSIDs. If the access point with which the client adapter communicates is not configured to allow broadcast SSIDs, the value of this parameter must match the SSID of the access point. Otherwise, the client adapter cannot access the network.</p>
Client Name	<p>A logical name for your Windows CE device. It allows an administrator to determine which devices are connected to the access point without having to memorize every MAC address. This name is included in the access point's list of connected devices. Each computer on the network should have a unique client name.</p> <p><b>Range:</b> Up to 16 characters.</p> <p><b>Default:</b> A blank field.</p>

**Table 1 (Continued)**  
**Cisco Radio Client Adapter**  
**Configuration Parameters**

Parameter	Description
Infrastructure Mode	<p>Specifies the type of network in which your client adapter is installed.</p> <p><b>Options:</b> Yes or No.</p> <p><b>Default:</b> Yes</p>
Power Save Mode	<p>Sets your client adapter to its optimum power-consumption setting.</p> <p><b>Options:</b> CAM, Fast PSP, or Max PSP.</p> <p><b>Default:</b> CAM (Constantly Awake Mode). <b>CAM</b> keeps the client adapter powered up continuously so there is little lag in message response time. CAM consumes the most power but offers the highest throughput. <i>Is recommended</i> for desktop computers and devices that use AC power.</p> <p><b>Fast PSP</b> (Power Save Mode), switches between PSP and CAM modes, depending on network traffic. This mode switches to CAM when retrieving a large number of packets and switches back to PSP after the packets have been retrieved. <i>Is recommended when</i> power consumption is a concern but you need greater throughput than than allowed by Max PSP.</p>

**Table 1 (Continued)**  
**Cisco Radio Client Adapter**  
**Configuration Parameters**

Parameter	Description
Power Save Mode (cont'd)	<p><b>Max PSP</b> (Max Power Savings), causes the access point to buffer incoming messages for the client adapter, which wakes up periodically and polls the access point to see if any buffered messages are waiting for it. The adapter can request each message and then go back to sleep. Max PSP consumes the least power and offers the lowest throughput. Is <i>recommended</i> for devices for which power consumption is the ultimate concern (such as small battery-powered devices).</p>
WEP	<p>Enables or disables WEP for your client adapter.</p> <p><b>Options:</b> Enabled or Disabled</p> <p><b>Default:</b> Disabled.</p> <p>This parameter can be used in two ways. If you set a WEP key using CEM, you must also select Enabled for this parameter to enable WEP for your client adapter. If you enabled LEAP for your client adapter, this parameter is changed automatically to Enabled, and the RADIUS server assigns a dynamic, session-based WEP key to the adapter.</p>

**Table 1 (Continued)**  
**Cisco Radio Client Adapter**  
**Configuration Parameters**

Parameter	Description
Authentica- tion Type	<p>Defines how your client adapter will attempt to authenticate to an access point.</p> <p><b>Options:</b> Open or Shared Key.</p> <p><b>Default:</b> Open. <b>Open Authentication</b> allows your client adapter, regardless of its WEP settings, to associate with an access point. If LEAP is enabled on your client adapter, Open Authentication is the only available option.</p> <p><b>Shared Key Authentication</b> allows your client adapter to associate only with access points that have the same WEP key. This option is available only if the client adapter has been assigned a static WEP key in CEM, static WEP is enabled, and LEAP is disabled. The access point sends a known unencrypted “challenge packet” to the client adapter, which encrypts the packet and sends it back to the access point. The access point attempts to decrypt the encrypted packet and sends an authentication response packet indicating the success or failure of the decryption back to the client adapter. It is <i>recommended</i> that Shared Key Authentication <i>not be used</i> because it presents a security risk.</p>

**Table 1 (Continued)**  
**Cisco Radio Client Adapter**  
**Configuration Parameters**

<b>Parameter</b>	<b>Description</b>
LEAP	Enables or disables LEAP authentication for your client adapter. <b>Options:</b> Enabled or Disabled <b>Default:</b> Disabled Setting the default to Enable, enables LEAP after you enter a username and password in WLM. This parameter must be enabled before you set a LEAP username and password in WLM.

**Table 1 (Continued)**  
**Cisco Radio Client Adapter**  
**Configuration Parameters**

<b>Parameter</b>	<b>Description</b>
Mixed Mode	<p>Indicated if the client adapter can associate to an access point that allows both WEP and non-WEP associations. If the access point with which the client adapter is to associate has WEP set to Optional, you must enable Mixed Mode on the adapter. This must be done regardless of whether WEP is enabled on the adapter. Otherwise, the client adapter cannot establish a connection with the access point.</p> <p>If the access point with which the client adapter is to associate does not have WEP set to Optional, Mixed Mode should be set to Disabled on the adapter.</p> <p><b>Options:</b> Enabled or Disabled</p> <p><b>Default:</b> Disabled</p> <p>For security reasons, it is <i>recommended</i> that <i>WEP-enabled and WEP-disabled clients not be allowed in the same cell</i> because broadcast packets will be sent unencrypted, even to clients running WEP.</p>

**Table 1 (Continued)**  
**Cisco Radio Client Adapter**  
**Configuration Parameters**

<b>Parameter</b>	<b>Description</b>
World Mode	<p>Enables the client adapter to adopt the maximum transmit power level and the frequency range of the access point to which it is associated, providing the access point is also configured for world mode. This parameter is available only in infrastructure mode and is designed for users who travel between countries and want their client adapters to associate to access points in different regulatory domains. Note that when World Mode is enabled, the client adapter is limited to the maximum transmit power level allowed by the country of operation's regulatory agency.</p> <p><b>Options:</b> Enabled or Disabled</p> <p><b>Default:</b> Disabled</p>



**Table 1 (Continued)**  
**Cisco Radio Client Adapter**  
**Configuration Parameters**

Parameter	Description
Data Rates	<p>Specifies the rate at which your client adapter should transmit or receive packets to or from access points (in infrastructure mode) or other clients (in ad hoc mode).</p> <p><i>Auto is recommended for infrastructure mode; setting a specific data rate is recommended for ad hoc mode.</i></p> <p><b>Options:</b> Auto, 1 Mb Only, 2 Mb Only, 5.5 Mb Only, or 11 Mb Only</p> <p><b>Default:</b> Auto</p> <p><b>Auto-uses</b> the 11-Mbps data rate when possible but drops to lower rates when necessary.</p> <p><b>1 Mb Only</b>-offers the greatest range but the lowest throughput.</p> <p><b>2 Mb Only</b>-offers less range but greater throughput than the 1 Mbps Only option.</p> <p><b>5.5 Mb Only</b>-offers less range but greater throughput than the 2 Mbps Only option.</p> <p><b>11 Mb Only</b>-offers the greatest throughput but the lowest range.</p>

**Table 1 (Continued)**  
**Cisco Radio Client Adapter**  
**Configuration Parameters**

<b>Parameter</b>	<b>Description</b>
Data Rates (cont'd)	<p>Your client adapter's data rate must be set to Auto or must match the data rate of the access point (in infrastructure) or the other clients (in ad hoc mode) with which it is to communicate. Otherwise, your client adapter may not be able to associate to them.</p> <p>If ACU is running but a client adapter is not currently inserted in the Windows CE device, the data rate options are based on the last adapter that was running in the system.</p>

**Table 1 (Continued)**  
**Cisco Radio Client Adapter**  
**Configuration Parameters**

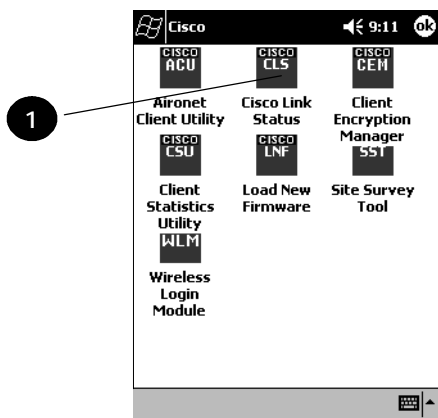
Parameter	Description
Transmit Power	<p>Defines the power level at which your client adapter transmits. This value must not be higher than that allowed by your country's regulatory agency (FCC in the U.S., DOC in Canada, ETSI in Europe, MKK in Japan, etc.).</p> <p><b>Options:</b> Dependent on the power table programmed into the client adapter.</p> <p><b>Default:</b> Max (the maximum level programmed into the client adapter and allowed by your country's regulatory agency).</p> <p><b>Power Levels:</b></p> <p>Max, 100 mW, 50 mW, 30 mW, 20 mW, 5 mW, or 1 mW are for 350 Series PC and LM cards.</p> <p>Max, 30 mW, or 1 mW are for 340 Series PC cards.</p> <p>Max, 30 mW, 15 mW, 5 mW, or 1 mW are for 340 Series LM cards.</p> <p>Reducing the transmit power level conserves battery power but decreases the radio range. If the client adapter is running, ACU queries the adapter and displays the settings programmed into the adapter. If the client adapter is not running, ACU displays power level options based on the last known radio type.</p>

**Table 1 (Continued)**  
**Cisco Radio Client Adapter**  
**Configuration Parameters**

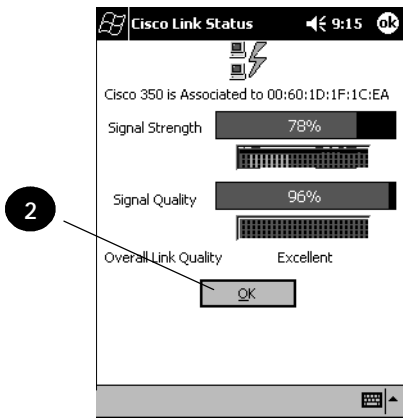
Parameter	Description
Transmit Power (cont'd)	When World Mode is enabled, the client adapter is limited to the maximum transmit power level allowed by the country of operation's regulatory agency.  If you are using an older version of a 340 or 350 Series client adapter, your power level options may be different than those listed here.

### Final Checking

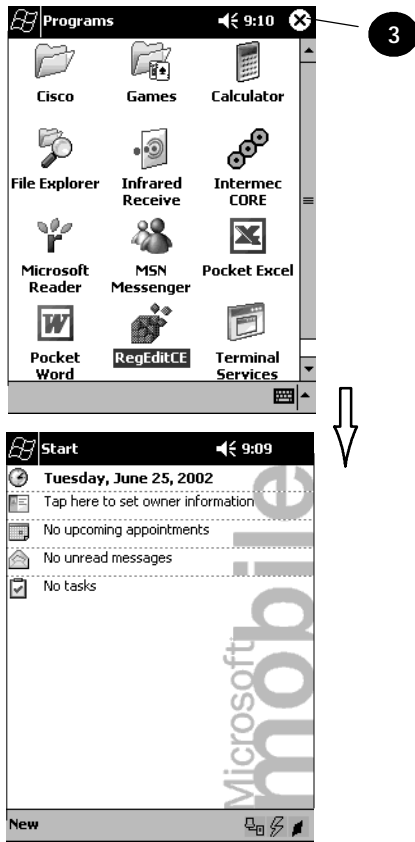
1. To check your Cisco Link Status, tap the Cisco Link Status icon.



2. Review your signal strength, signal quality and overall link quality then tap OK to return to the Cisco screen.



3. Tap 'ok' and return to the Program screen. If you are done, tap the 'x' icon and return to the Start screen.







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