

# Jack SP640 User Guide



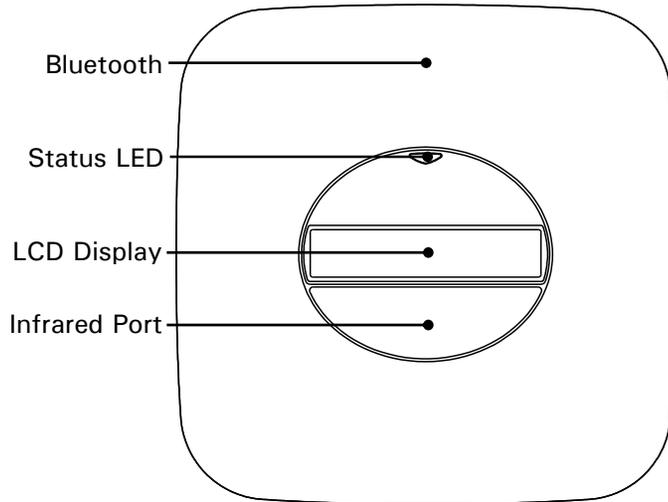
- 1 Features of the Jack
- 2 Installing the Jack
- 3 Specifications, Supported Devices
- 4 Downloading from the Jack
- 5 Using the Jack
- 6 Frequently Asked Questions

# Table of Contents

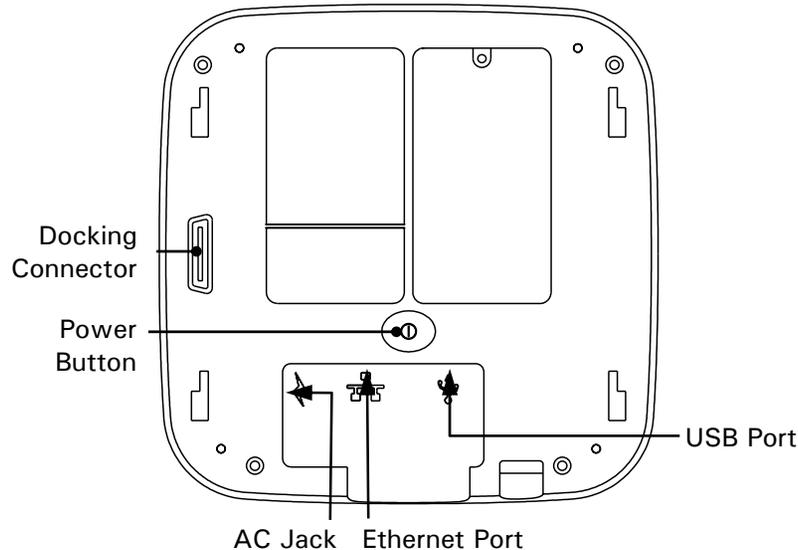
<b>Features of the Jack</b> .....	<b>2</b>
Front View .....	2
Back View .....	2
Description of Features.....	3
Accessories .....	4
Description of Accessories .....	5
<b>Installing the Jack</b> .....	<b>6</b>
Step 1: Power the Jack .....	6
Step 2: Verify Wireless Service .....	7
Step 3 (Optional): Secure the Mounting Plate/Stand.....	8
Step 4: Attach the Jack to the Mounting Plate/Stand.....	10
<b>Specifications, Jack Files, and Supported Devices</b> .....	<b>12</b>
Specifications.....	12
About Jack Files.....	13
Supported Devices .....	14
<b>Downloading from the Jack</b> .....	<b>16</b>
Downloading Via Infrared.....	16
Downloading Via Bluetooth .....	22
Using the Palm OS and Pocket PC Browsers .....	28
Using the Nokia S60 Browser.....	30
Using the Smartphone 2002 Browser.....	32
Using the Sony Ericsson UIQ Browser .....	34
<b>Using the Jack</b> .....	<b>36</b>
Status LED Description.....	36
LCD Display .....	36
Managing Jack Files and Creating Browser Content .....	37
Maintenance .....	37
<b>Frequently Asked Questions</b> .....	<b>38</b>
Browser FAQs .....	38
Downloading Via Infrared FAQs.....	39
Downloading Via Bluetooth FAQs .....	40

# 1 Features of the Jack

## Front View



## Back View



## Description of Features

### **LCD Display**

The LCD provides additional information regarding the state of the Jack. During power up the signal quality of the GPRS/GSM radio link will be displayed.

### **Status LED**

The Status LED provides general status information. The LED will blink every two seconds once the Jack has powered up and is ready to send information. The Status LED will flicker when a transmission is in progress.

### **Infrared Port**

To download via infrared, users should stand within three feet (one meter) and point the infrared port on their devices at the infrared port on the Jack.

### **Bluetooth**

Users should stand within 10 meters (30 feet) of the Jack to download via Bluetooth. The Bluetooth port is an internal feature. Users do not have to point their mobile devices at the Bluetooth port.

### **Power Button**

To turn off the power, hold the power button until "Service Point Powering Down" is displayed on the LCD. Once the LCD displays "Service Point Off" it is safe to unplug the Jack. You must turn off the power before unplugging the Jack in order to perform a memory backup.

If the LCD displays "Service Point Off," press the Power Button to turn on the Jack.

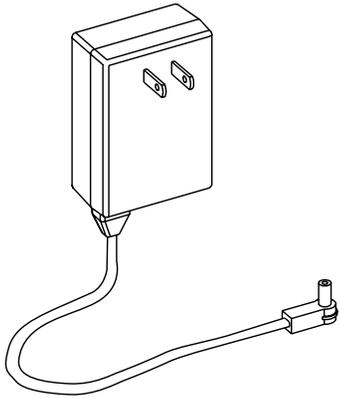
### **AC Jack**

Connect the AC Adapter to the AC Jack to provide power.

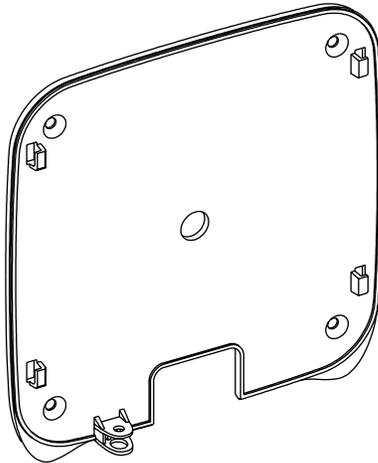
### **Docking Connector and USB Port**

The docking connector is used in conjunction with the optional Battery Module. The USB Port is unsupported at this time.

## Accessories



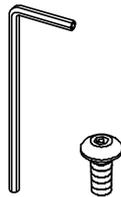
**AC Adapter (1)**



**Mounting Plate / Stand (1)**



**Sheet Metal  
Screws (4)**



**Security Screw and  
Screwdriver (1)**

*Note:* Objects are not shown to scale.

## Description of Accessories

### **AC Adapter**

The AC Adapter must be used to power the Jack.

### **Mounting Plate/Stand**

The Mounting Plate/Stand can be used both as a mounting plate to attach the Jack to a wall and as a stand to display the Jack on a table or countertop.

### **Sheet Metal Screws**

Four #8 sheet metal screws are included for screwing the Mounting Plate into wood or sheet metal.

### **Security Screw**

A security screw is included for locking the Jack to the Mounting Plate/Stand.

### **Security Screwdriver**

An L-shaped screwdriver is included for the security screw. Please keep this driver in a safe place.

### **Security Screwdriver**

An L-shaped screwdriver is included for the security screw. Please keep this driver in a safe place.

### **WideRay Jack Service Point CD (not shown)**

Use the WideRay Jack Service Point CD to install the WideRay Developer Kit. Once the software is installed, you can find the Content Development Guide, the Content Development Tutorial, and the Palm Admin Tool User Guide in: \Program Files\WideRay\Docs.

The Content Development Guide and the Content Development Tutorial will teach you how to manage files on the Jack and how to create HTML-based Browser Content for the Browser.

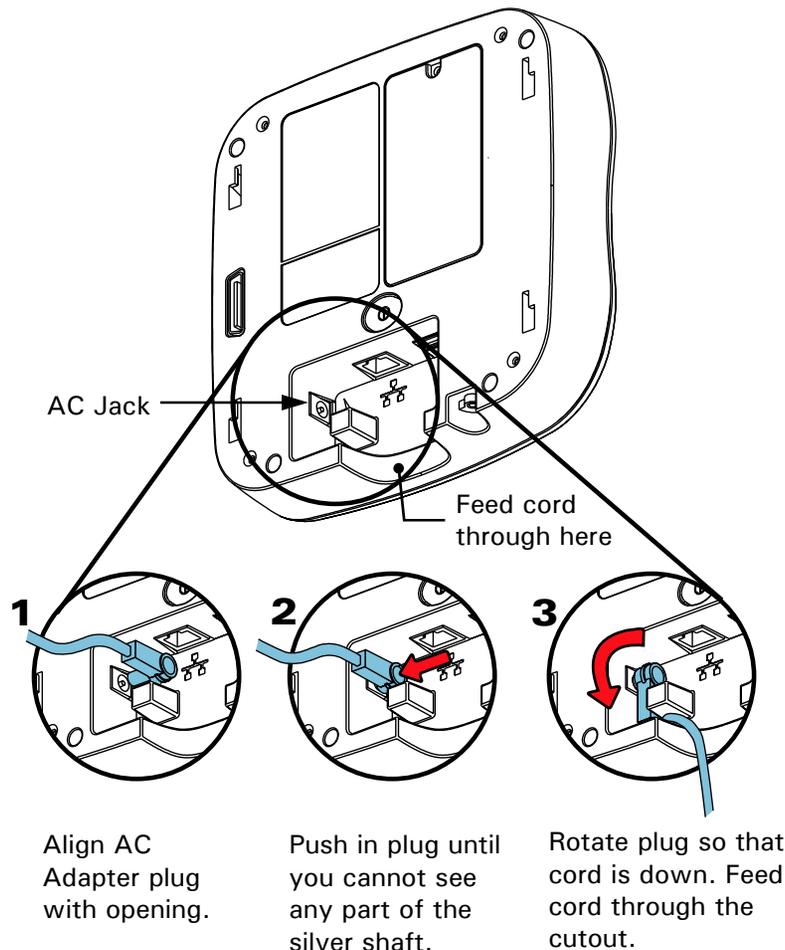
## 2 Installing the Jack

### Step 1: Power the Jack

#### Connect the AC Adapter

Connect the AC adapter to the port on the back of the Jack, and plug the adapter into a power outlet.

*Note:* The Jack must be powered to receive wireless updates.



### Step 2: Verify Wireless Service

Before permanently mounting the Jack, follow the steps below to verify that the Jack has wireless service.

*Note:* Mounting the Jack underground or near metal objects may affect reception. Always test the wireless reception before permanently installing the Jack.

- A. Place the Jack in the exact location where you plan to mount it. If the Jack is on, turn it off by pressing the Power Button and unplugging the Jack once the LCD reads "Service Point Off."
- B. Wait 30 seconds, connect the AC Adapter to the port on the back of the Jack, and plug the adapter into a power outlet. The LCD will display "Service Point Starting Up."
- C. Within 30 seconds the LCD will display "Signal Check" and soon after will display the results of the signal test.
- D. The network carrier will be displayed on the first line, and the signal strength will be on the second line. If the LCD reads "No SIM Card Installed," the Jack has been configured for non-network operation and nothing more needs to be done. If the LCD displays "Excellent," "Good," or "Fair," then the Jack is in acceptable coverage. If the LCD displays "No Signal," "Unacceptable," "Poor," or "Could Not Connect," try an alternate location and start again at Step A. If the LCD reads "Could Not Connect" after several attempts contact technical support. *Note:* The Jack may be able to receive updates in areas with poor coverage, but it will not be able to receive updates in areas with unacceptable coverage or no signal.
- E. After 10 seconds of displaying the signal strength, the LCD will display "Service Point XXXXX" where XXXXX is the Jack ID. *Note:* A Jack that is not configured displays 00000.

### Step 3 (Optional): Secure the Mounting Plate/Stand

If you are attaching the Jack to a wall or ceiling, follow these instructions. If you are going to be using the Jack on a table or a counter, proceed to Step 4.

*Note:* Do not mount on the ceiling if the infrared port will be used.

#### **Select the Appropriate Screws**

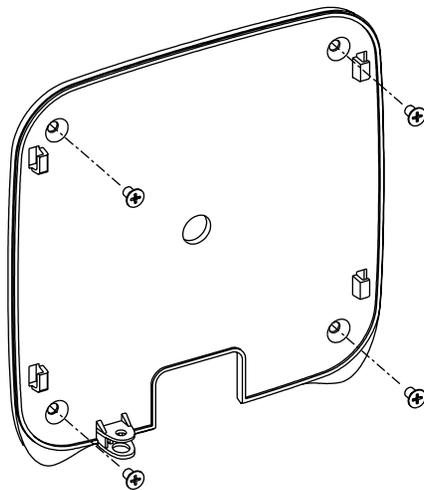
Use the supplied screws if you are attaching the Jack to wood or sheet metal.

If the supplied screws are not appropriate for your application, use the appropriate type of #8 flat head screws.

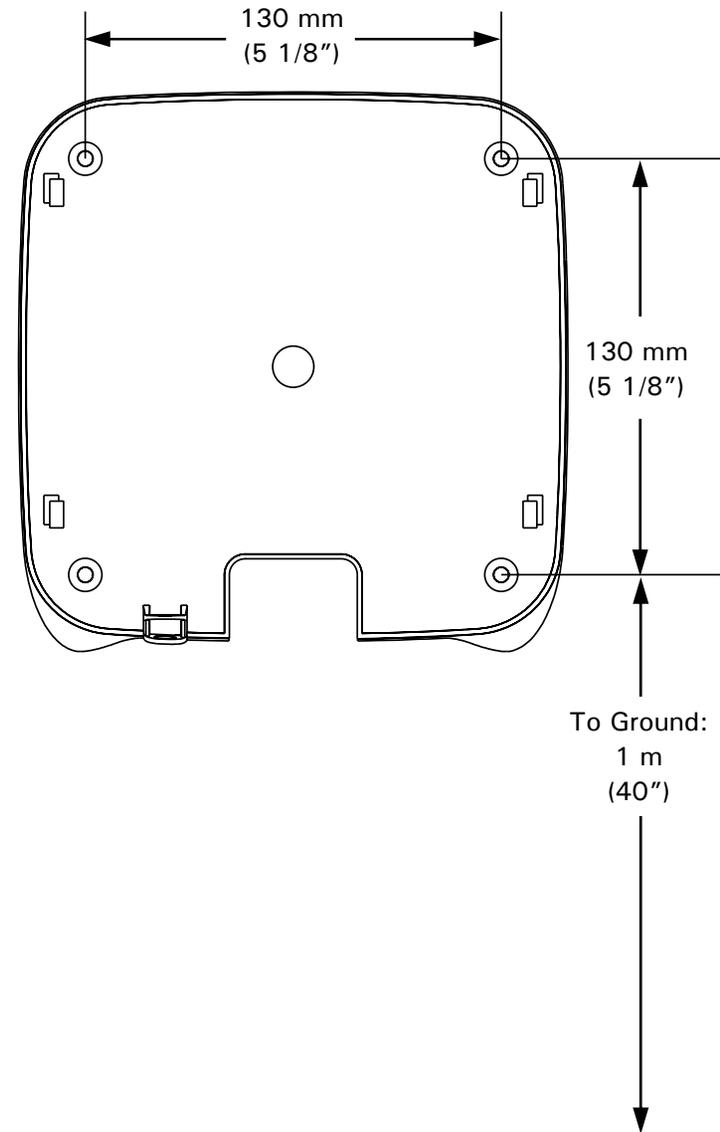
#### **Fasten Mounting Plate to Surface**

Use a Phillips screwdriver to attach the Mounting Plate to the surface. Position the center of the plate at elbow height of users. If users will be downloading via the infrared port while standing, the bottom mounting holes should be approximately 1 meter (40") above the ground.

*Note:* Mounting the Jack underground or near metal objects may affect reception. Always test the wireless reception before permanently installing the Jack.



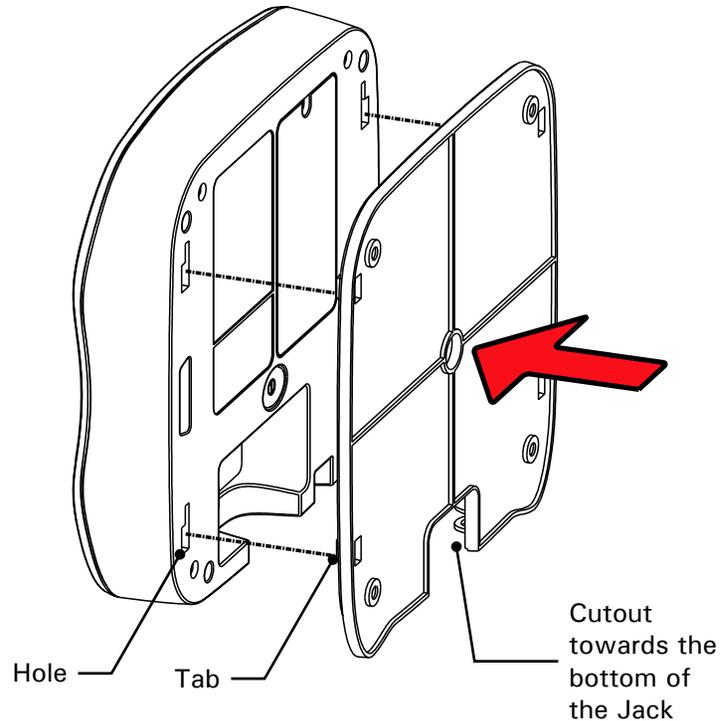
**Mounting Plate/Stand Dimensions**



## Step 4: Attach the Jack to the Mounting Plate/Stand

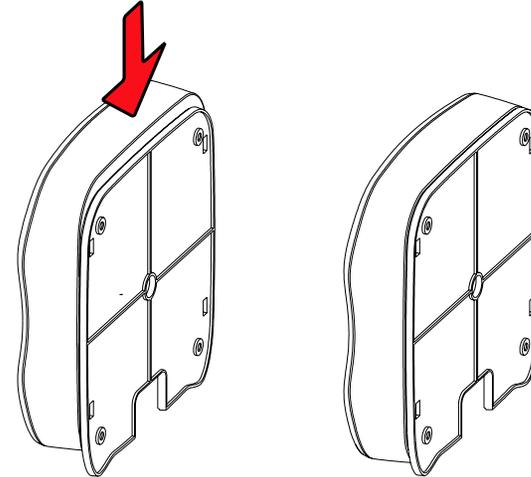
### *Insert the Four Tabs into Holes*

Position the Jack so that the holes on the back of the Jack line up with the tabs on the Mounting Plate/Stand. Make sure the cutout in the Mounting Plate/Stand is towards the bottom.



### *Slide the Jack Down Until It Stops*

Push the Jack downwards until it stops. The security tab on the mounting plate should be flush with the bottom surface of the Jack.

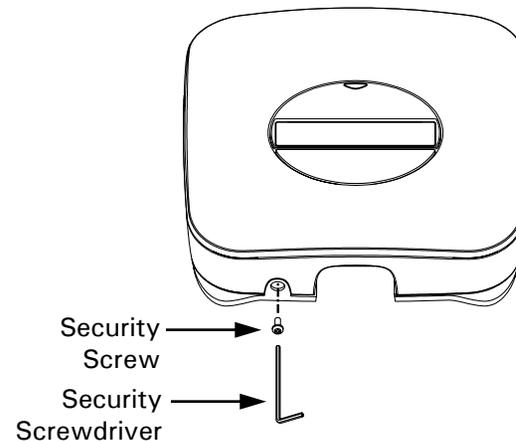


### *Install the Security Screw*

Use the supplied screwdriver to install the security screw in the hole on the bottom of the Jack.

Confirm that the security screw is fully installed by trying to lift the Jack up. If you cannot move it upwards, the Jack is secure.

*Note:* Keep the screwdriver in a safe place for future use.



## 3 Specifications, Jack Files, and Supported Devices

### Specifications

#### General Specifications

Size	175 x 175 x 38 mm (6.9" x 6.9" x 1.5")
Weight	15 ounces (425 grams)
Wireless Network	GSM (GPRS and CSD) worldwide wireless network
Standard Storage Capacity	Approximately 30 MB available
Additional Optional Storage Capacity	Up to 4 GB

#### Infrared Specifications

Transmission Range	Up to 3 feet (one meter)
Transmission Rate	Up to 115,200 bps SIR
# of Simultaneous Users	1

#### General Bluetooth Specifications

Transmission Range	Up to 30 feet (10 meters)
Transmission Rate	Up to 723 kbps
# of Simultaneous Users	Up to 14

## About Jack Files

#### *The Browser*

The Browser is a custom HTML browser for Palm OS, Pocket PC, Nokia Series 60 (S60), Sony Ericsson UIQ, and Microsoft Smartphone devices.

In addition to viewing or "browsing" HTML Browser Content, the Browser is also used to make a connection with the Jack in order to download files (applications, files, and Browser Content).

#### *The Jack Application*

The Jack Application is a very small application that acts as a download manager for Palm, Pocket PC, and Smartphone devices. The Jack Application is able to manage multiple file downloads, and it contains a download progress bar.

The Browser contains all of the functions of the Jack Application. Therefore, if the Browser is installed, the Jack Application is automatically removed.

When a Palm or Pocket PC receives the Browser over infrared, the Jack first sends the Jack Application to the device. The Jack Application then handles the download and installation of the Browser and any additional files. The primary advantage of the Jack Application is that it provides a download progress bar so that users do not walk away during the download of the Browser

#### *Browser Content Files*

Browser Content is HTML-based content designed specifically for the Browser. Refer to the *Content Development Guide* for more information on creating Browser Content.

#### *Distributing Native Files and Applications*

The Jack can send native files such as games, applications, images, or music files to mobile devices. Refer to the *Content Development Guide* for information on how to send native files to mobile devices.

## Supported Devices

### ***Palm OS Supported Devices***

Single File Transmission	Yes (IR)
Jack Application	Yes (IR)
Browser	Yes (IR)
Multiple File Transmission	Yes (IR)
Supported Devices	<ul style="list-style-type: none"> <li>All Palm OS 3.0 and greater devices</li> </ul>

### ***Pocket PC Supported Devices***

Single File Transmission	Yes (IR)
Jack Application	Yes (IR)
Browser	Yes (IR)
Multiple File Transmission	Yes (IR)
Supported Devices	<ul style="list-style-type: none"> <li>All Pocket PC 2002 and 2003 devices</li> </ul>

### ***Nokia S60 Supported Devices***

Single File Transmission	Yes (IR and Bluetooth)
Jack Application	No
Browser	Yes (IR and Bluetooth)
Multiple File Transmission	Yes (IR and Bluetooth)
Supported Devices	<ul style="list-style-type: none"> <li>Nokia 3620</li> <li>Nokia 3650/3660</li> <li>Nokia 6600</li> <li>Nokia 6620</li> <li>Nokia 7610</li> <li>Nokia 7650</li> <li>Nokia N-Gage (BT)</li> <li>Nokia N-Gage QD (BT)</li> </ul>

### ***Sony Ericsson UIQ Devices***

Single File Transmission	Yes (IR and Bluetooth)
Jack Application	No
Browser	Yes (IR and Bluetooth)
Multiple File Transmission	Yes (IR and Bluetooth)
Supported Devices	<ul style="list-style-type: none"> <li>Sony Ericsson P800</li> <li>Sony Ericsson P900</li> </ul>

### ***Microsoft Smartphone 2002 Supported Devices***

Single File Transmission	Yes (IR)
Jack Application	Yes (IR)
Browser	Yes (IR)
Multiple File Transmission	Yes (IR)
Supported Devices	<ul style="list-style-type: none"> <li>Microsoft Smartphone 2002 devices</li> </ul>

### ***Sony Ericsson T610/T616 Supported Devices***

Single File Transmission	Yes (IR and Bluetooth)
Jack Application	No
Browser	No
Multiple File Transmission	No
Supported Devices	<ul style="list-style-type: none"> <li>Sony Ericsson T610</li> <li>Sony Ericsson T616</li> </ul>

## **4** Downloading from the Jack

### **Downloading Via Infrared**

#### ***Using a Palm OS Device to Download the Browser Via Infrared (New Users)***

- Step 1** Stand within three feet (one meter) and aim the infrared port of your device at the Jack.
- Step 2** Select *Yes* when asked, "Do you want to accept 'Jack' into Applications?"
- Step 3** Continue aiming at the Jack and a status bar will appear. The Browser will open when downloading is complete.

#### ***Using a Palm OS Device to Download Browser Content and Files Via Infrared (Returning Users)***

- Step 1** Select *Browser* in the applications menu.
- Step 2** Aim the infrared port of your device at the Jack to download.

#### ***Troubleshooting for a Palm OS Device using Infrared***

- Make sure that the Beam Receive function is on. Select the *Prefs* icon on your main screen and set Beam Receive to on.
- Make sure that the infrared port on your mobile device is unobstructed and that it is pointed at the Jack. Some devices have infrared ports on the side of the device.

#### ***Using a Pocket PC Device to Download the Browser Via Infrared (New Users)***

- Step 1** Stand within three feet (one meter) and aim the infrared port of your device at the Jack. The light on the Jack will flicker to indicate a transmission is in progress.
- Step 2** When asked if you want to accept *Jack.exe*, select *Yes*.
- Step 3** Go to *Start > Programs > File Explorer*. Open *Jack* in *My Device\My Documents*.
- Step 4** Continue aiming at the Jack and a status bar will appear. The Browser will open when downloading is complete.

#### ***Using a Pocket PC Device to Download Browser Content and Files Via Infrared (Returning Users)***

- Step 1** Select *Browser* in the Start Menu.
- Step 2** Aim the infrared port of your device at the Jack to download.

#### ***Troubleshooting for a Pocket PC using Infrared***

- Go to *Start > Settings > Connections > Beam* and make sure the box is checked. Click *Ok* and close the settings window.
- Make sure that the infrared port on your mobile device is unobstructed, and that it is pointed at the Jack. Some devices have infrared ports on the side of the device.

**Using a Nokia Series 60 Device to Download the Browser via Infrared (New Users)**

- Step 1** Go to *Menu > Connect* and select *Infrared*.
- Step 2** Stand within one meter (three feet) and point the IR port of your device at the Jack. A new message icon will appear in the upper corner of your screen.
- Step 3** Go to *Menu > Messaging > Inbox*, select the new message, and install the application.
- Step 4** Select *Browser* in the main menu.

**Using a Nokia Series 60 Device to Download Browser Content and Files via Infrared (Return Users)**

- Step 1** Select *Browser* in the main menu.
- Step 2** Go to *Options > Download* and choose *Infrared* under download protocol.
- Step 3** Stand within one meter (three feet) and point the IR port of your device at the Jack.

**Using a Sony Ericsson UIQ Device to Download the Browser via Infrared (New Users)**

- Step 1** Enable Infrared.
- a.** Go to *Control panel > Connections > Infrared*.
- b.** Select *On* or *On for 10 minutes* and select *Done*.
- Step 2** Stand within one meter (three feet) and point the IR port of your device at the Jack.
- Step 3** The Jack will automatically send the Browser. Once the download is complete, select *View* and continue the installation. Install to the memory card.
- Step 4** Select *Browser* in the applications menu.

**Using a Sony Ericsson Device to Download Browser Content and Files via Infrared (Return Users)**

- Step 1** Select *Browser* in the applications menu.
- Step 2** Go to *Options > Preferences* and choose *Infrared* under download protocol.
- Step 3** Stand within one meter (three feet) and point the IR port of your device at the Jack. Then select *Options > Download*.

### **Using a Smartphone 2002 Device to Download the Browser Via Infrared (New Users)**

- Step 1** Open your file manager program\* and navigate to the *\Temp* directory.
- Step 2** Receive an infrared file. Select *Menu > Send/Receive > Receive via Infrared*.
- Step 3** Stand within three feet (one meter) and aim the infrared port of your device at the Jack. The light on the Jack will flicker to indicate a transmission is in progress.
- Step 4** When asked if you want to accept *Jack.exe*, select *Yes*, and then select *Cancel* to exit the Infrared Receive application.
- Step 5** Return to file manager and open *Jack.exe* in the *\Temp* directory. Continue aiming at the Jack and a status bar will appear. The Browser will open when downloading is complete.

### **Using a Smartphone 2002 Device to Download Browser Content and Files Via Infrared (Returning Users)**

- Step 1** Select *Browser* in the Programs list.
- Step 2** Aim the infrared port of your device at the Jack and press *Download*.

### **Troubleshooting for a Smartphone 2002 using Infrared**

- *\*Note:* Only devices with a file manager application are supported.
- Make sure that the infrared port on your handset is unobstructed and that it is pointed at the Jack. Some handsets have infrared ports on the side of the device.
- The Jack supports Microsoft Smartphone 2002 only.

### **Using a Sony Ericsson T610/T616 Device to Download a file via Infrared**

- Step 1** Turn on infrared (go to *Connectivity > Infrared Port* and select *On*).
- Step 2** Stand within three feet (one meter) and point the infrared port of your device at the Jack.
- Step 3** Accept the incoming file.

## Downloading Via Bluetooth

### ***Using a Nokia Series 60 Device to Download the Browser via Bluetooth (New Users)***

**Step 1** Send a contact to the Jack via Bluetooth.\*

**a.** Go to *Menu > Contacts* and select a contact. Select *Options > Send > Via Bluetooth*.

**b.** Select the appropriate Jack.

**Step 2** Accept the incoming message.

**Step 3** Go to *Menu > Messaging > Inbox*, select the new message, and install the application to the memory card if possible.

**Step 4** Select *Browser* in the main menu.

\**Note:* The sending of a contact card is only used to initiate a connection. The Jack does not store the contact information. If you wish, you can create and send a dummy contact card.

### ***Using a Nokia Series 60 Device to Download Browser Content and Files via Bluetooth (Returning Users)***

Select *Browser* in the main menu and choose *Options > Download*.

### ***Using a Sony Ericsson UIQ Device to Download the Browser via Bluetooth (New Users)***

**Step 1** Send a contact to the Jack via Bluetooth.\*

**a.** Select any contact in *Contacts*.\*

**b.** Select the *Contacts* menu and then *Send as > Bluetooth > Done*.

**c.** Select the appropriate Jack and hit *Send*.

**Step 2** Once you have received the Browser, select *View* and install the application to the memory card if possible.

**Step 3** Select *Browser* in the applications menu.

\**Note:* The sending of a contact card is only used to initiate a connection. The Jack does not store the contact information. If you wish, you can create and send a dummy contact card.

### ***Using a Sony Ericsson UIQ Device to Download Browser Content and Files via Bluetooth (Returning Users)***

Select *Browser* in the applications menu and choose *Options > Download*.

### **Using an iPAQ to Download an Application or File Via Bluetooth**

- Step 1** From the *Today* screen, tap the Bluetooth icon in the lower right corner of your screen. Select *Turn ON* to turn the Bluetooth radio on.
- Step 2** Send a contact to the Jack via Bluetooth.\*
- a. Go to *Start > Contacts*. Tap and hold your stylus on a contact name to pull up the shortcut menu. Select *Send via Bluetooth*.\*
  - b. Select the appropriate Jack from the list and tap *Send*. When the transfer is complete, close the transfer window.
- Step 3** Accept the Bluetooth authorization request.
- Step 4** Locate the file with File Explorer (*Start > Programs > File Explorer*). *Note*: The file will be in the shared directory assigned on the *File Sharing* tab of the Bluetooth application. The default directory is *My Device/My Documents*.

\**Note*: The sending of a contact card is only used to initiate a connection. The Jack does not store the contact information. If you wish, you can create and send a dummy contact card.

### **Troubleshooting for an iPAQ using Bluetooth**

- Only iPAQ devices with built-in Bluetooth are supported.
- From the *Today* screen, tap the Bluetooth icon in the lower right corner of your screen. Select *Bluetooth Manager*. Select *Tools > Settings for All Devices > Connections*. Check "Let other devices see me" and "Let other devices connect to me." In the *PIM Objects* and *File Sharing* tabs, make sure the following are set:
  - Check: Enable service
  - Check: Authorization required
  - Uncheck: Authentication (passkey) required

### **Using a Palm OS Device to Download an Application Via Bluetooth**

- Step 1** Ensure Bluetooth communications are on.
- a.** From the applications menu, go to *Prefs > Communication > Bluetooth*.
  - b.** Set Bluetooth to *On*.
- Step 2** Send a contact to the Jack via Bluetooth.\*
- a.** Open your Address application by selecting *Address* from the applications menu.
  - b.** Select a contact, tap the menu button, and select *Send Address*. Choose *Send With Bluetooth*.\*
  - c.** Select the appropriate Jack and tap *OK*.
- Step 3** Accept the incoming file.

\**Note:* The sending of a contact card is only used to initiate a connection. The Jack does not store the contact information. If you wish, you can create and send a dummy contact card.

### **Using a Sony Ericsson T610/T616 Device to Download a File via Bluetooth**

- Step 1** Send a vCard via Bluetooth to the Jack to initiate a connection.\*
- a.** Go to *Phonebook > Manage Contact > Send Contact*.
  - b.** Select any contact and select *Via Bluetooth*.\*
  - c.** Select the Jack from the list of Bluetooth devices.
- Step 2** Accept the incoming file.

\**Note:* The sending of a contact card is only used to initiate a connection. The Jack does not store the contact information. If you wish, you can create and send a dummy contact card.

### **Troubleshooting for a T610/T616 using Bluetooth**

- Check that Bluetooth is on under *Connectivity > Bluetooth*. (If the first item in the list is *Turn On* then select it. If it reads *Turn Off* then Bluetooth is on.)
- Make sure your device is visible for Bluetooth. Go to *Connectivity > Bluetooth > Options > Visibility* and select *Show Phone*.

## Using the Palm OS and Pocket PC Browsers

Forward, Home,  
and Back Icons

List of  
Browser  
Content



List of  
Browser  
Content



Forward,  
Home, and  
Back Icons

### Opening the Browser

On a Palm OS device, open the Browser from the applications menu. On a Pocket PC device, open the Browser from the Start menu.

### Navigating Browser Content

Navigating Browser Content in the Browser is similar to navigating a website. The back, forward, and home icons in the Browser navigate to the previous page, the next page, and the home page of the open Browser Content.

Hyperlinks and buttons embedded into Browser Content allow users to easily move from one page to another. Drop-down menus, text entry fields, radio buttons, and check boxes all can be included within Browser Content to generate dynamic applications.

### Viewing Browser Content

On a Palm OS device, select the WideRay icon in the upper right corner of the screen to reveal the list of Browser Content.

On a Pocket PC device, select *View* to reveal the list of Browser Content.

### Using the Browser to Download From the Jack

If you are near a Jack, simply open the Browser, stand within three feet (one meter), and point the infrared port of your mobile device at the Jack.

### Deleting Browser Content

On a Palm OS device, open the Browser Content, select the "menu" soft button (the lower left soft button) and select *Delete This Content*.

On a Pocket PC device, select *Tools > Delete*.

### Opening Applications or Files Downloaded from the Jack

Applications that are downloaded from the Jack can be opened from the applications menu for Palm OS devices or from the Start menu for Pocket PCs. The downloaded applications will not appear in the *Options > View Content* list.

Native files such as mp3 files or image files are downloaded to the default directory. The files will not appear in the *Options > View Content* list.

## Using the Nokia S60 Browser



### **Opening the Browser**

Select the Browser icon from the main menu to open the Browser.

### **Navigating Browser Content**

Use the up and down arrows to scroll through links and text. If a link is underlined red or an image has a red box, then the link or image can be selected to go to another page. Use the Back button to go to the previous page. To return to the home page of the open Browser Content, select *Options > Home*.

### **Using the Browser to Download From the Jack**

If you are near a Jack, select *Options > Download* to download applications, files, or Browser Content.

### **Viewing Browser Content**

Select *Options > View Content* to view Browser Content.

### **Deleting Browser Content**

Select *Options > Delete* to delete the open Browser Content.

### **Opening Applications or Files Downloaded from the Jack**

Applications that are downloaded from the Jack can be opened either from the main menu or, in the case of Java applets, from *Menu > Apps*. The applications will not appear in the *Options > View Content* list.

Native files such as mp3 files or image files are downloaded to the default directory for that file type. The files will not appear in the *Options > View Content* list.

### **Browser Preferences**

Select *Options > Preferences* to open the preferences menu. You can select whether to use infrared or Bluetooth to download from the Jack. Bluetooth provides faster downloads than infrared.

You can also choose whether the Browser should automatically connect to the first Jack, or whether it should let you choose which Jack to download from. If you are in an area that has multiple Jacks that have different content, select *Choose Jack*. Otherwise use the default setting, *First Jack*.

## Using the Smartphone 2002 Browser



### **Opening the Browser**

Open the Browser from the Programs list.

### **Navigating Browser Content**

Use up and down on the joystick to scroll through links and text. If a link is underlined red or an image has a red box, then the link or image can be selected to go to another page. Use the Back button to go to the previous page. To return to the home page of the open Browser Content, select *Options > Home*.

### **Using the Browser to Download From the Jack**

If you are near a Jack, select the *Download* button to download applications, files, or Browser Content.

### **Viewing Browser Content**

Select *Options > View Content* to view Browser Content.

### **Deleting Browser Content**

Select *Options > Delete* to delete the open Browser Content.

### **Opening Applications or Files Downloaded from the Jack**

Applications that are downloaded from the Jack can be opened from Programs list. The downloaded applications will not appear in the *Options > View Content* list.

## Using the Sony Ericsson UIQ Browser



### Opening the Browser

Select *Browser* from the applications menu.

### Navigating Browser Content

Navigating through Browser Content within the Browser is very similar to interacting with a website. The back, forward, and home icons in the Browser navigate to the previous page, the next page, and the home page of the opened Browser Content.

Hyperlinks and buttons embedded into Browser Content allow users to easily move from one page to another. Drop-down menus, text entry fields, radio buttons, and check boxes all can be included within Browser Content to generate dynamic applications.

### Viewing Browser Content

Select *Options > View Content* to reveal the list of Browser Content.

### Using the Browser to Download From the Jack

If you are near a Jack, simply open the Browser and select *Options > Download*.

### Deleting Browser Content

Open the Browser Content and select *Options > Delete*.

### Opening Applications or Files Downloaded from the Jack

Applications that are downloaded from the Jack can be opened from the applications menu. The downloaded applications will not appear in the *Options > View Content* list.

Native files such as mp3 files or image files are downloaded to the default directory. The files will not appear in the *Options > View Content* list.

### Browser Preferences

Select *Options > Preferences* to open the preferences menu. You can select whether to use infrared or Bluetooth to download from the Jack. Bluetooth provides faster downloads than infrared.

You can also choose whether the Browser should automatically connect to the first Jack, or whether it should let you choose which Jack to download from. If you are in an area that has multiple Jacks that have different content, select *Choose Jack*. Otherwise use the default setting, *First Jack*.

## 5 Using the Jack

### Status LED Description

The Status LED on the front of the Jack indicates if the Jack is powered, and whether it is beaming data.

<i>Status LED</i>	<i>Status</i>
Blink every 2 secs	Ready to Send or Receive Data
Flickering	Sending/Receiving Data over Bluetooth or Infrared
Unlit	Power Off

### LCD Display

The LCD displays feedback about the state of the Jack.

#### **Initial Message**

As the Jack powers up, the LCD displays "Service Point Starting Up." A few moments later, the LCD will display "Signal Check." The next sequence will depend on whether or not there is a SIM card installed.

#### **Signal Check (No SIM Card Installed):**

If there is no SIM card installed, the LCD will display "No SIM Card Installed" for 10 seconds. The LCD will then display "Wireless Service Point."

#### **Signal Check (SIM Card Installed):**

If a SIM card is installed, the Jack will attempt to make a connection to the network.

If the Jack successfully connects to the network, the LCD will display (for 10 seconds) the network carrier and either "Excellent," "Good," "Fair," "Poor," or "Unacceptable" indicating GPRS/GSM signal strength.

If the Jack is unable to connect to the network, the LCD will display "No Signal" or "Could Not Connect."

After 10 seconds of displaying the signal strength, the LCD will display "Service Point XXXXX" where XXXXX is the Jack ID. A Jack that is not configured displays 00000.

#### **Powering Down**

After the power button is pressed, the Jack displays the "Service Point Powering Down" message. A few moments later, the Jack LCD displays "Service Point Off," and it is safe to remove the AC power.

*Note:* See the *Verify Wireless Service* section for information about the network connection test.

## Managing Jack Files and Creating Browser Content

First, install the WideRay Developer Kit that is on the "WideRay Jack Service Point" CD that came with your Jack. Once the software is installed, you can find the Content Development Guide in:  
\\Program Files\\WideRay\\Docs.

From the Content Development Guide you can learn how to add and remove files from the Jack using either the GSM wireless network or the Palm OS Administrator Tool. You can also learn how to create HTML-based Browser Content for the Browser.

## Maintenance

#### **Cleaning**

Use a damp, soft cloth to clean the Jack. Use only mild, nonabrasive detergents. Care should be taken to keep the infrared port clean of oil, dirt, and other substances that may impede the infrared communication capabilities of the Jack.

## **6** Frequently Asked Questions

### **Browser FAQs**

***If I receive new Browser Content, what happens to the old content?***

If you are downloading Browser Content with the same name, your information will simply be updated to reflect any changes.

If you are downloading entirely new Browser Content, you will have a new selection in the content menu. Refer to the Using the Browser sections for more information about accessing the Browser Content list.

***Why is my information listed for the wrong day?***

If the date on your mobile device is set incorrectly, time-sensitive material may be displayed incorrectly. To correct this problem, set the correct time and date on your mobile device.

***How much memory do I need on my mobile device?***

The Browser is 60 to 100KB depending on the platform. Browser Content size can vary, but a typical size is 80 to 200KB.

***Do I need any software or hardware pre-installed on my mobile device?***

No. The Jack will send the Browser to your mobile device if the Browser is not already installed.

### **Downloading Via Infrared FAQs**

***Do you have an instruction sheet that I can post next to the Jack?***

Yes. In the \Program Files\WideRay\Docs folder, there is a document called "Download Instructions.pdf." You may print this document and mount it near each Jack in order to instruct users on how to download from the Jack. You may also use the text from the document to create your own signage if desired.

***How close to the Jack do I need to be in order to receive files via infrared?***

Stand within one meter (three feet) of the Jack to receive files via infrared. Stand within 10 meters (30 feet) to receive files via Bluetooth.

***Do I need to download the Browser every time I want to download new files?***

No. Simply open the Browser to receive new files. For Palm and Pocket PC devices, the Jack will automatically detect that the Browser is open and will immediately send you files.

***Can one Jack beam information to Pocket PC, Palm OS, Nokia S60, and Sony Ericsson T610/T616 devices?***

Yes.

***How long does it take to receive files from the Jack?***

It takes approximately ten seconds to receive the Browser and approximately ten seconds to receive Browser Content afterwards (depending on content size).

***Is this product safe? Is my information private?***

The WideRay Jack is updated over a closed network and therefore does not contain viruses that may be found on the Internet. All of your mobile device data remains private.

## Downloading Via Bluetooth FAQs

***Can one Jack beam information to multiple device platforms?***

Yes. Refer to the *Content Development Guide* for tips on creating Browser Content that is compatible for multiple operating systems.

***Can I download over Bluetooth using the Palm or Pocket PC Browser?***

No. Currently, the Palm and Pocket PC Browsers can only connect to the Jack via infrared. However, the Jack can send one file (an application, music file, etc) to Palm or Pocket PC devices via Bluetooth.



User Guide  
070-00025-01-04

For the latest support information, check our web site at [www.wideray.com](http://www.wideray.com), or call toll free 877.WIDERAY (877.943.3729) and ask for technical support.

Regulatory and RF Safety Statements:

- 1) This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
  - 2) This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
    - Reorient or relocate the receiving antenna.
    - Increase the separation between the equipment and receiver.
    - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
    - Consult the dealer or an experienced radio/TV technician for help.
  - 3) Modifications not expressly approved by WideRay can void the user's authority to operate the equipment.
  - 4) To comply with RF safety requirements please follow the installation instructions and maintain a minimum separation distance of 20 cm from the device to the human body.
- Note: The radiated output power of the internal wireless radio is far below the FCC radio frequency exposure limits. The internal wireless radio operates within guidelines found in radio frequency safety standards and recommendations, which reflect the consensus of the scientific community. WideRay therefore believes the internal wireless radio is safe for use by consumers.

©2002-2004 WideRay Corporation. All rights reserved. Reproduction in whole or in a part without written permission is strictly prohibited. Sony, CLIE and their logos are trademarks of Sony Corporation. Microsoft, ActiveSync, Outlook, Windows and Windows NT are registered trademarks of Microsoft Corporation. Palm OS and HotSync are registered trademarks of Palm, Inc. and Palm, Palm Desktop, the HotSync Logo and Palm Powered are trademarks of Palm, Inc. Compaq, the Compaq Logo, iPAQ, and the iPAQ Pocket PC product design are trademarks of Compaq Information Technologies Group, L.P. in the U.S. and/or other countries. The Compaq iPAQ Pocket PC image is used with permission, but such use is not intended to suggest affiliation with or sponsorship by Compaq. All other product and brand names may be trademarks or registered trademarks of their respective owners. Printed in USA.