

XDA II S wireless LAN manual

Wireless Manager

Wireless Manager allows you to easily open GPRS, WLAN Internet connections, or launch Bluetooth. Make sure that you have a GPRS or WLAN service subscription for your Pocket PC Phone before proceeding.

Checking current connection status

To check the current wireless connection status, open the Today screen or the Wireless Manager by tapping the **Start** menu > **Programs** > **Wireless Manager**:

- **Today Screen:** If the device has detected a cellular network service connection, the GPRS icon is shown on the top status bar. Likewise, the WLAN and Bluetooth icons are shown at the bottom right on the Today screen.
- **Wireless Manager:** The indicator will indicate the current data connection status for each specific wireless channel.

Enabling/Disabling Wireless connection:

- **Wireless Manager:** Tap a button to enable or disable a wireless channel. Once a wireless channel is selected, a pop-up menu will ask you to confirm your selection; tap on **Yes** to confirm, or **No** to cancel. Or, tap on the specific wireless icons located at the bottom of the screen to enable or disable connections.

NOTE: Tapping on Bluetooth indicator will not turn off Bluetooth. Instead, the Bluetooth Internet connection via a Bluetooth access point will be disconnected. This is to prevent unexpected disconnections of other Bluetooth links such as a Bluetooth headset or other devices. You can turn off Bluetooth completely by accessing the Bluetooth application. Select > **Connections** > **Bluetooth**.

Wireless LAN Manager

WLAN Manager allows you to conveniently manage WLAN Internet connections on your Pocket PC phone. You can manage the network setting and configure the device's power save mode to make optimal use of the battery under the WLAN networking environment. WLAN Manager is designed to work with the existing 802.11b devices such as access points or routers. To run the WLAN Manager with your device, you will need to have access to broadband Internet and the necessary access point or router that emits WLAN signals. If you do not have access to broadband Internet, consult with your ADSL or DSL Internet service provider before running this application.

Checking for WLAN signal

You can check if your device has access to a WLAN channel signal before opening WLAN manager from the following:

- **Today Screen:** Open the Today Screen. If the device has detected a WLAN network connection, the W icon is shown on the top right, and a WLAN icon is shown on the bottom right.
- **Wireless Manager:** Select **Wireless Manager** from the **Programs** menu. Tap on the WLAN icon to access a channel.

The availability and range of your device's WLAN signals may depend on the number, thickness and location of walls, ceilings or other objects that the wireless signal must pass through.

Turning on WLAN:

To use **WLAN** on your Pocket PC Phone, you need to turn on the internal **WLAN** antenna on your device:

1. Tap the **Start** menu > **Settings** > the **Connections** tab > **WLAN**.
2. On the **Main** tab, select the **Wireless LAN ON** check box to turn the **WLAN** on.

When your **WLAN** is powered on, the LED indicator for Wireless LAN, located on the left upper corner of your device, will blink green for every **6** seconds to indicate **WLAN** is on, or alternate between blinking green and blinking blue for every **3** seconds if **Bluetooth** is also turned on.

Adjusting the Power Save Mode

To save battery power, turn WLAN off when you are not using your Pocket PC Phone. You can set the Power Save Mode when turning WLAN on by tapping and dragging the control bar on the Settings tab.

1. Tap the **Start** menu > **Settings** > the **Connections** tab > **WLAN**.
 2. Tap the **Settings** tab, tap and drag the Power Save Mode slider to the desired power save setting. You can also use the left/right buttons on the navigation pad to move the slider.
- **Best Performance:** No **WLAN** Power Save. Use only if the absolute highest **WLAN** throughput is required or if your network configuration does not support these modes.
 - **Best Battery:** Uses the least battery power while maintaining a **WLAN** connection. This mode significantly reduces the **WLAN** data throughput. It is not recommended for large file transfers or when **Bluetooth** is on.

Turning on Auto Off

You can turn off your pocket PC phone's WLAN antenna automatically if no signal is detected in order to save battery power. Choose between 2, 3, 4, or 5 minute intervals once the box is selected.

1. Tap the **Start** menu > **Settings** > the **Connections** tab > **WLAN**.
2. Tap the **Settings** tab, select the **Auto turn off WLAN if not connected** box, choose between 2,3,4, or 5 minutes intervals.

Network Cards Settings

A wireless network can be added either when the network is automatically detected as described above or manually by entering the necessary setting information on the **Network Cards**.

To manually add a new wireless network:

1. While the **WLAN** is powered on, tap the **Start** menu > **Setting** > the **Connections** tab > the **Network Cards** icon > the **Wireless** tab > **Add New**.
2. On the **General** tab, enter a network name (SSID). If a network was detected in **Step 1**, the SSID is automatically entered and cannot be changed.
 - Select where your network connects to (**The Internet** or **Work**) in the **Connects to:** box.
 - Tap the **This is a device-to-computer (ad-hoc) connection** checkbox if you want to connect to an ad-hoc connection.
3. On the **Network Key** tab if authentication information is needed, select the type of network authentication to use. To determine whether authentication information is needed, check with your network administrator.
 - To set authentication, choose the desired type from the **Authentication** drop down list.
 - To use data encryption, choose the desired type from the **Data Encryption** drop down list. By default, **WEP** is enabled.
 - Enter the network key in the **Network Key:** box. If a network key is provided by your network automatically, tap **The Key is provided for me automatically** checkbox.
4. On the **N802.1x** tab, tap the Use IEEE 802.1x network access control for increased security. You should only check this option if it is supported by your network environment. Check with your network administrator if you are unsure.

To search for a network to access:

Networks that you have already configured are listed in **Wireless Networks**. You can choose whether to connect only to preferred networks or to have your Pocket PC Phone search for and connect to any available network.

1. While the **WLAN** is powered on, tap the **Start** menu > **Setting** > the **Connections** tab > **Network Cards** > the **Wireless** tab.
2. In the **Networks to access:** box, tap the type of network you want to connect to **All Available**, **Only access points**, **Only computer-to-computer**.
3. To connect only to networks that have already been configured, clear the **Automatically connect to non-preferred networks** checkbox.

If you check the **Automatically connect to non-preferred networks** checkbox, your Pocket PC Phone will detect any new networks and allow you an opportunity to configure them.