

SPA525G2 IP Phone Differences from SPA525G

This document describes the differences between the new Cisco SPA525G2 and the older SPA525G.

Essentially, from a testing and configuration point of view, the SPA525G2 is identical to the SPA525G, aside from the enhanced Bluetooth functionality described below.

Functional Overview:

The SPA525G2's system architecture is the same as the SPA525G's.

The SPA525G2 supports all existing SPA525G features.

Firmware release 7.4.6 and newer support both the SPA525G and SPA525G2 IP Phones.

[Current GA firmware is 7.4.8, released March 10th 2011]

Following is an overview of the SPA525G2 differences from the SPA525G:

1. Integration of Bluetooth profiles [refer to software differences, below]
2. Pairing of SPA525G2 as hand free Bluetooth headset with mobile phone.
3. One way import of address book from mobile phone to SPA525G2.
4. Hands-free operations:
 - a. Placing call from SPA525G2 via mobile phone.
 - b. Receiving call from mobile phone via SPA525G2.
 - c. Switching audio between SPA525G2 and mobile phone.
5. SPA525G2 firmware is backward compatible with SPA525G hardware.

Hardware Difference Overview:

The SPA525G2 includes an audio multiplexer for switching the audio path between the SPA525G2 audio hardware and a Bluetooth® mobile phone. The end user and system administrator are not impacted in any way by this change.

The SPA525G2's USB port circuitry is now rated to charge a connected device at a USB2.0 standard rate of 500mA.

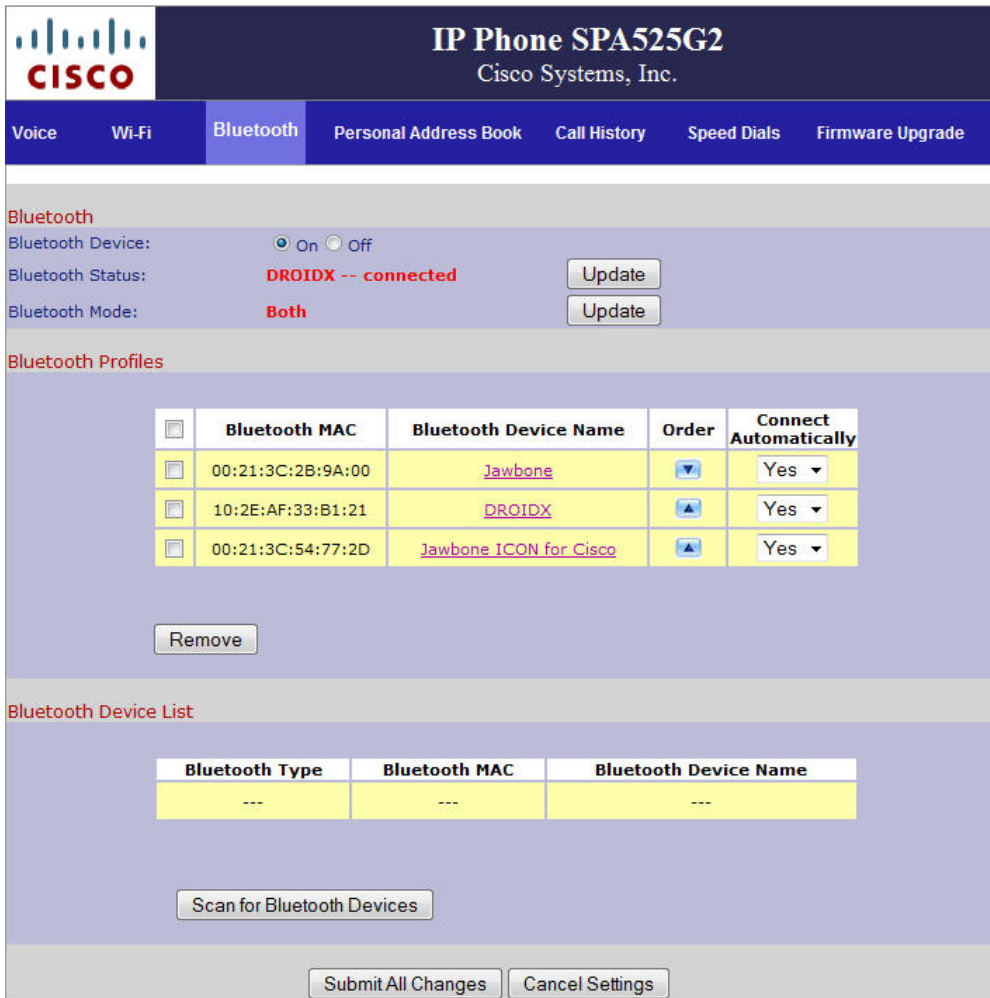
Software Difference Overview:

Following is a list of the changes made to the SPA525G firmware in order to support the SPA525G2 hardware:

- Support added for the following Bluetooth® profiles:
 - Headset (1.1), Handsfree Profile (1.5)
 - Phone Access profile (1.0)
 - Headset and Handsfree profile can connect to a headset or mobile phone)
- Support added for SPA525G2 discovery and pairing, allowing the SPA525G2 to function as a mobile phone's Bluetooth® headset. Allows user to speak using the SPA525G2 while the call path is routed out the mobile phone.
- Support added to SPA525G2's interface to allow a mobile phone's address book to be imported to the SPA525G2 [SPA525G2 supports up to 300 records, SPA525G only supported 100 records]
- Support added for the line 5 LED button to represent the mobile phone line.

Web-User Interface Overview:

The Bluetooth web-UI is pictured below:



The screenshot shows the web-UI for an IP Phone SPA525G2. The page title is "IP Phone SPA525G2" by Cisco Systems, Inc. The navigation menu includes Voice, Wi-Fi, Bluetooth (selected), Personal Address Book, Call History, Speed Dials, and Firmware Upgrade.

Bluetooth Settings:

- Bluetooth Device: On Off
- Bluetooth Status: **DROIDX -- connected** [Update]
- Bluetooth Mode: **Both** [Update]

Bluetooth Profiles:

<input type="checkbox"/>	Bluetooth MAC	Bluetooth Device Name	Order	Connect Automatically
<input type="checkbox"/>	00:21:3C:2B:9A:00	Jawbone	▼	Yes ▼
<input type="checkbox"/>	10:2E:AF:33:B1:21	DROIDX	▲	Yes ▼
<input type="checkbox"/>	00:21:3C:54:77:2D	Jawbone ICON for Cisco	▲	Yes ▼

[Remove]

Bluetooth Device List:

Bluetooth Type	Bluetooth MAC	Bluetooth Device Name
---	---	---

[Scan for Bluetooth Devices]

[Submit All Changes] [Cancel Settings]

The Phone tab interface is pictured below:



Note: portions blurred for privacy

The phone's interface is pictured below:



Note: portions blurred for privacy

Provisioning Difference Overview:

The following configurable parameters are available for configuring the SPA525G2:

```
<!-- BluePhone -->

<Bluetooth_Mode ua="na">Both</Bluetooth_Mode> <!-- options: Phone/Handsfree/Both -->
<Line ua="na">5</Line>5<!-- options: 1/2/3/4/5/Disabled -->
<Short_Name ua="na">myMobile</Short_Name> <!-- example: steveSPA525G2 -->
<User_Friendly_ID ua="na">stevesSPA</User_Friendly_ID> <!-- example: stevesSPA -->
<PIN_Code ua="na">0000</PIN_Code>
```

```
961 <!-- Line Key 1 -->
962 <!-- BluePhone -->
963
964 <Bluetooth_Mode ua="na">Phone</Bluetooth_Mode> <!-- options: Phone/Handsfree/Both -->
965 <Line ua="na">5</Line> <!-- options: 1/2/3/4/5/Disabled -->
966 <Short_Name ua="na">myMobile</Short_Name> <!-- Phone LED label -->
967 <User_Friendly_ID ua="na">stevesSPA</User_Friendly_ID> <!-- Bluetooth scan name -->
968 <PIN_Code ua="na">0000</PIN_Code>
969
970 <!-- Line Key 1 -->
```

Additional Information:

Refer to the Cisco Small Business IP Phones Models SPA301, 303, 501G, 502G, 504G, 508G, 509G, 525G/525G2, and WIP310 Administration Guide available [here](#).

Refer to the [SPA IP Phone Documentation Map](#) if you need to locate any additional resources.

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