



**Confidential**

**WAPI Operation Guide**

**For BCM963xx DSL Linux**

**Version 1.0**

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# *WAPI Operation Guide*

## **REVISION HISTORY**

<b>Revision Number</b>	<b>Date</b>	<b>Change Description</b>
V1.0	01/14/2010	Initial Release.

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This document describes how to use Broadcom DSL Router WAPI features.

WAPI STA Operation is not included in this document. Please refer to relevant Wlan STA user manual.

## 1 WAPI-PSK OPERATION

Operation steps (Fig 1)

1. go to wlan security page
2. Select “**WAPI-PSK**” in Network Authentication item
3. Input **passphase key** into WPA/WAPI Pre-shared key item
4. *WPA/WAPI item should be SMS4*
5. Click **Apply/Save** button

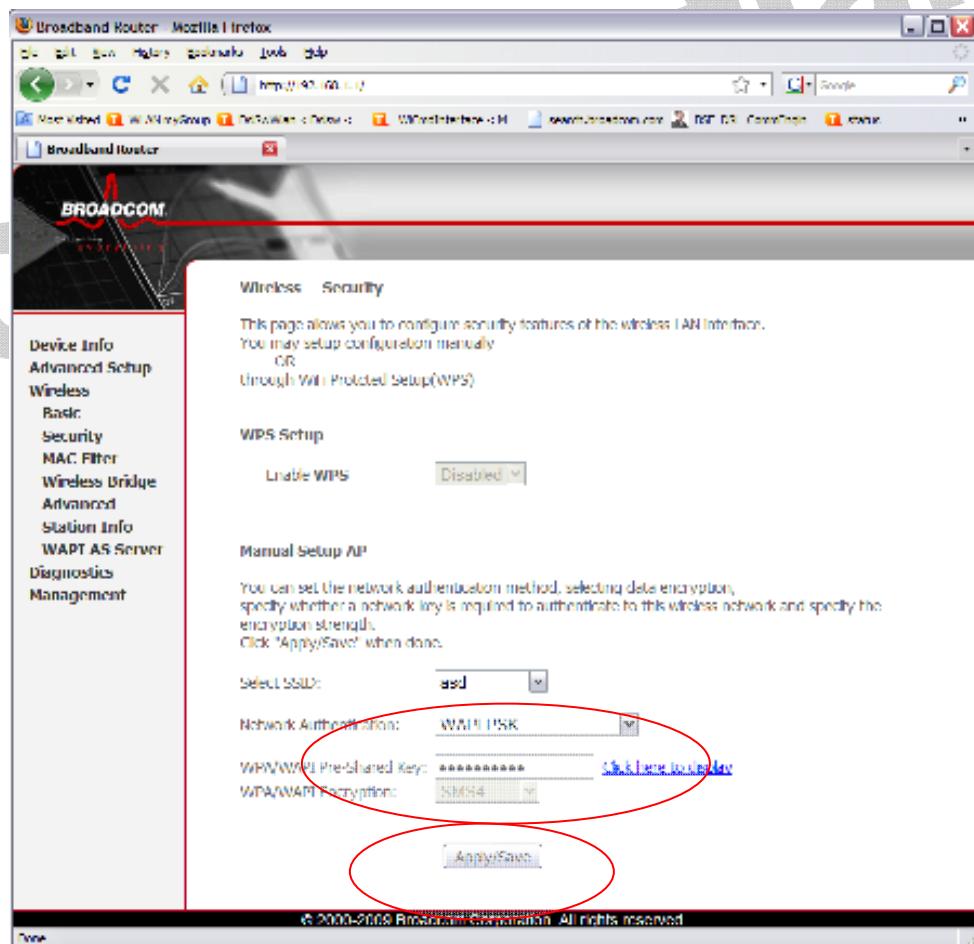


Fig 1. WAPI-PSK operation

## 2 HOW TO USE WPAI CERTIFICATE

### 2.1 AS Operation

1. Select **Enable** for AS Configuration item
2. Click **Apply**

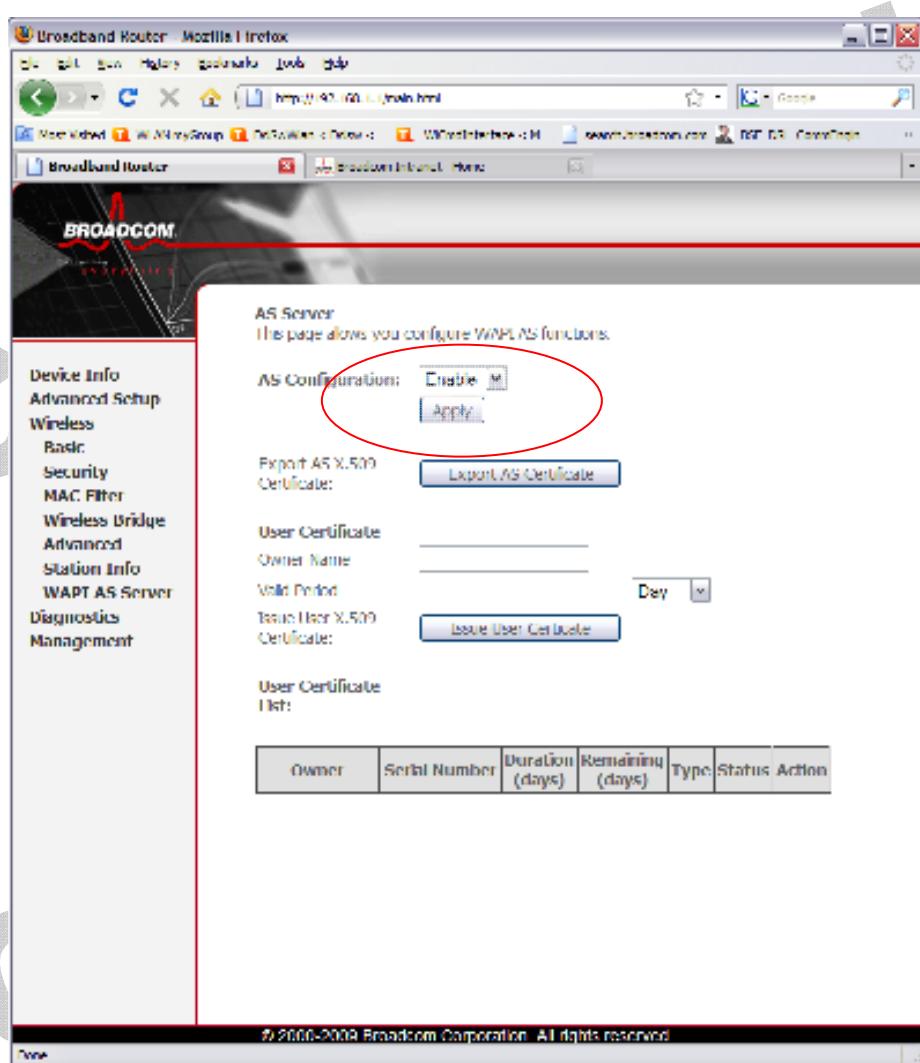


Fig 2: Enable AS

### 2.2 Download AS Certificate

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1. Click Export As Certificate button

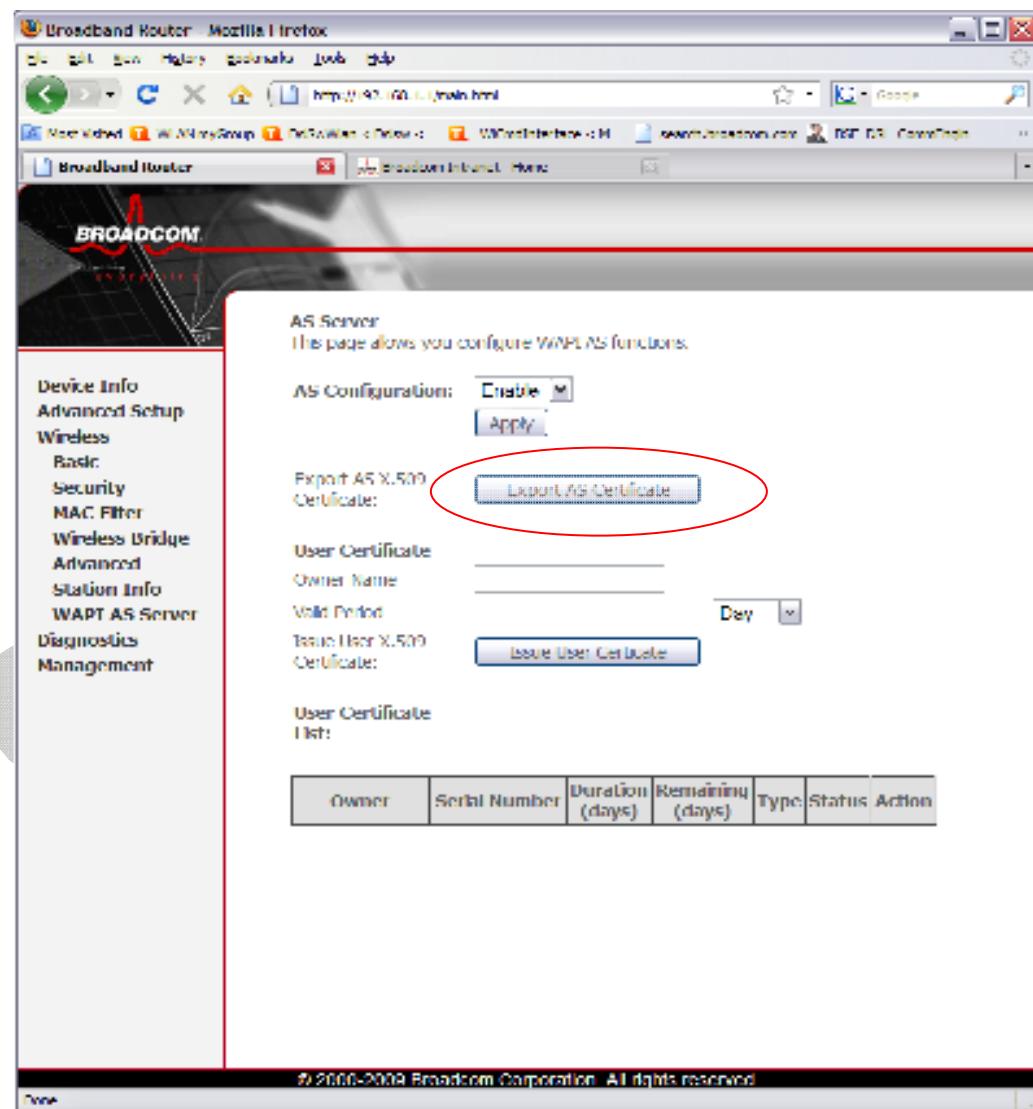


Fig 3. Export AS Cretificate

2. Save AS certificate

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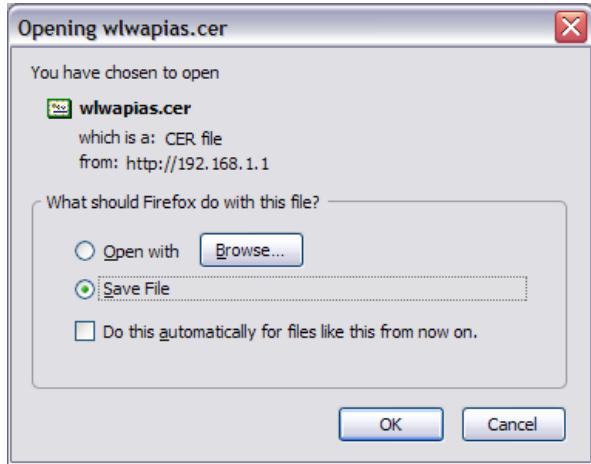


Fig 4. Save AS Certificate

### 2.3 Issue Uers Certificate(client Cert)

1. input Owner name and Valid period
2. Click Issue User Certificate button

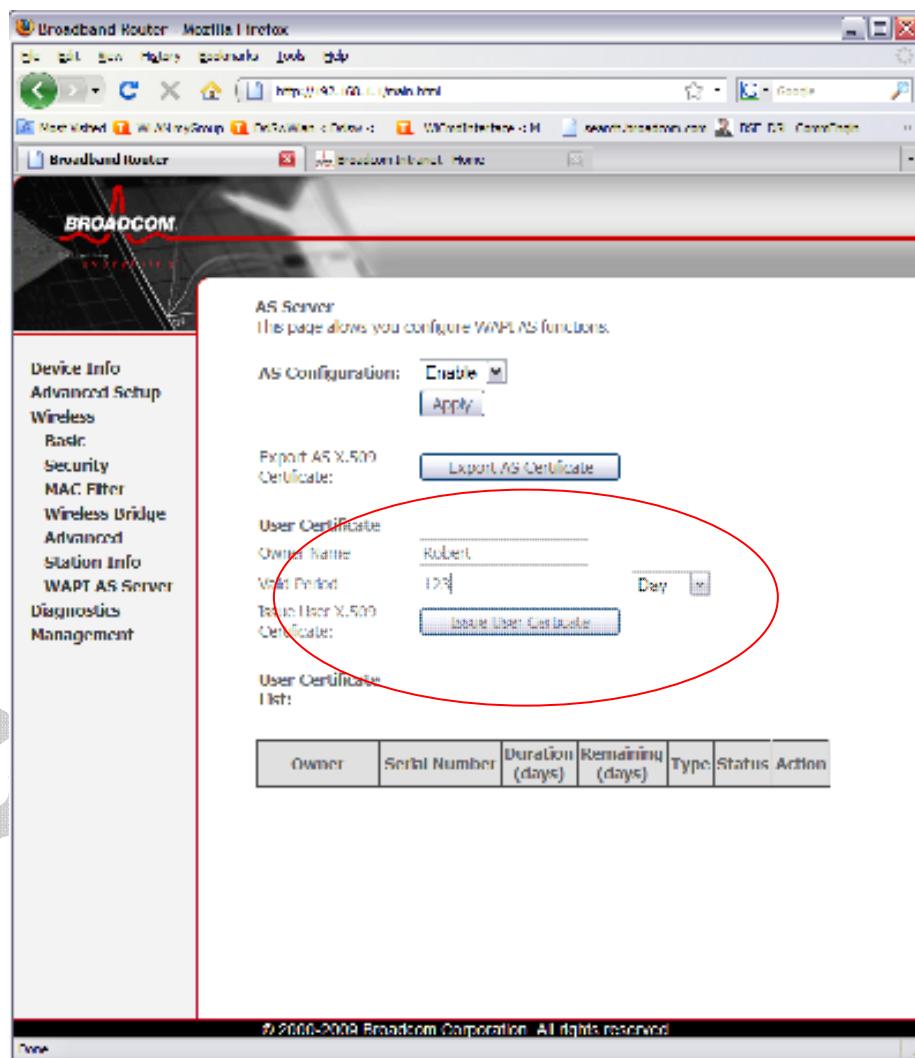


Fig 5. Issue User Certificate

## 3. Save user certificate

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Fig 6. Save User Certificate

4. Refresh this page

A screenshot of a Mozilla Firefox browser window displaying the "Broadband Router" web interface. The left sidebar shows navigation links including "Device Info", "Advanced Setup", "Wireless", "Basic", "Security", "MAC Filter", "Wireless Bridge", "Advanced", "Station Info", "WAPT AS Server" (which is selected), "Diagnostics", and "Management". The main content area is titled "AS Server" and describes it as a page to configure WAPT AS functions. It includes fields for "AS Configuration" (set to "Enable" with an "Apply" button), "Export AS X.509 Certificate" (with a "Export AS Certificate" button), "User Certificate" (with "Owner Name" and "Valid Period" dropdowns), and "Issue User X.509 Certificate" (with a "Issue User Certificate" button). A red oval highlights a table titled "User Certificate List" which contains one entry: "OwnerL" with Serial Number "123", Duration "(days)" "123", Remaining "(days)" "122", Type "X.509", Status "Active", and Action "Revoke". The bottom of the page includes a copyright notice: "© 2000-2009 Broadcom Corporation. All rights reserved."

Fig 7. After user certificate has been issued

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## 2.4 Install AS and User Certificate

1. go to wlan security page
2. Select “**WAPI**” in Network Authentication item
3. *WPA/WAPI Encryption item should be SMS4*
4. Click “**apply/Save**”

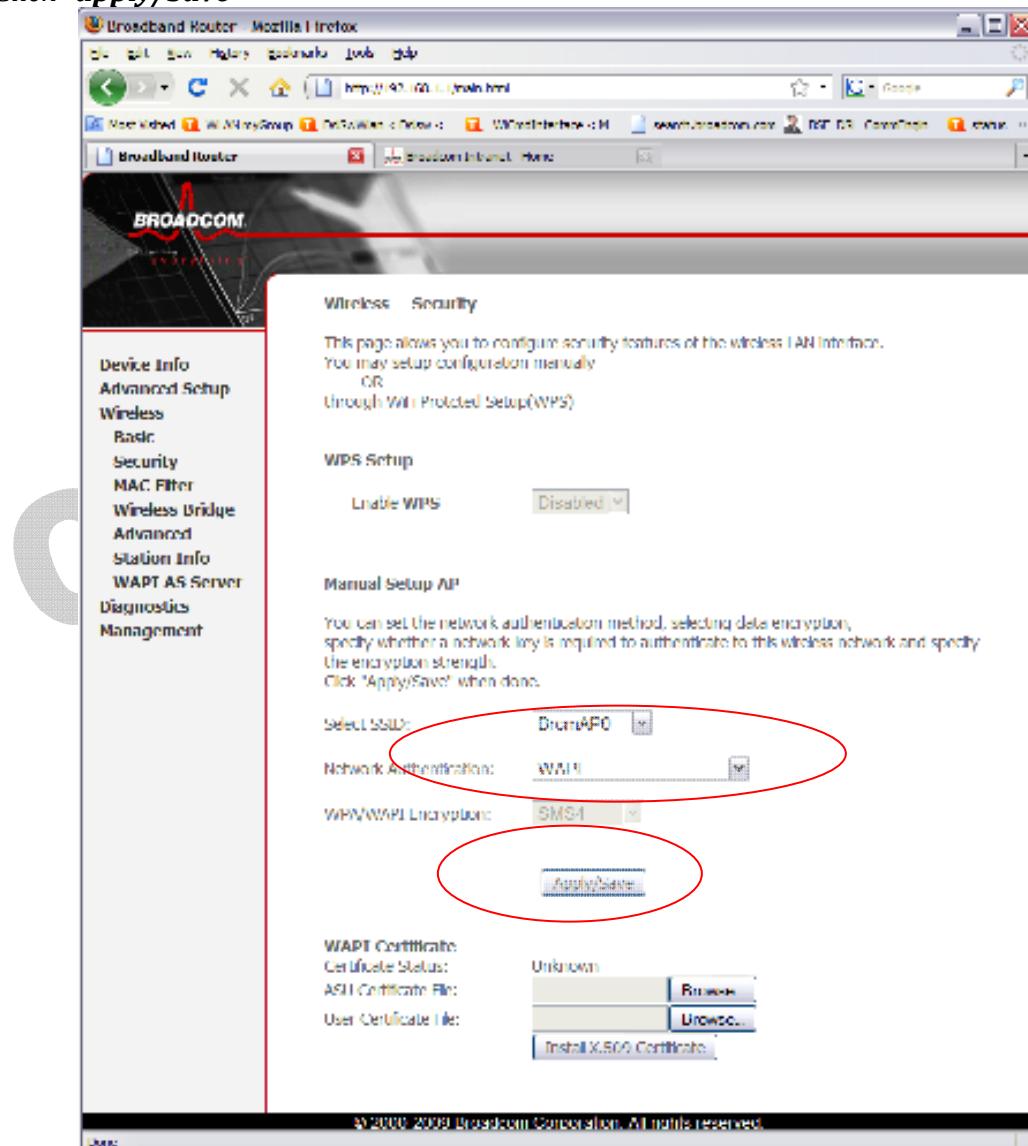


Fig 8. Select WAPI

5. input **ASU certificate**
6. input **User Certificate**
7. Click **Install X.905 Certificate**

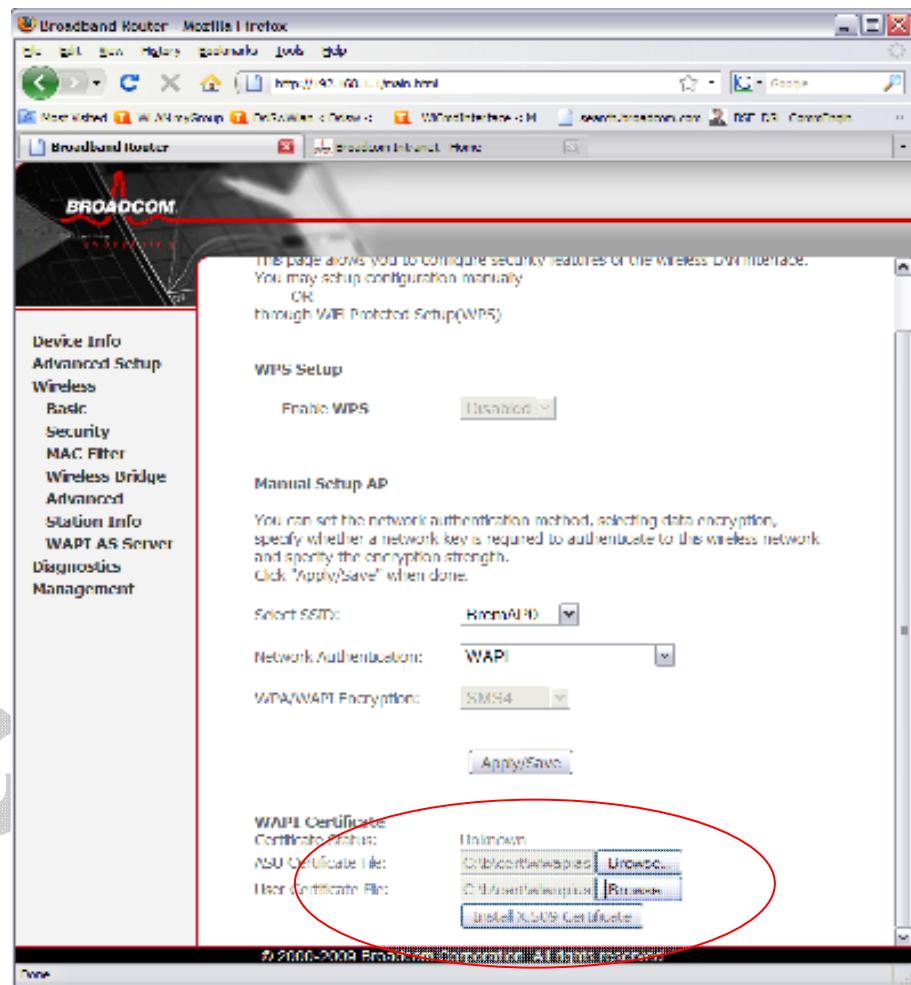


Fig 9. Install X.509 Certificate

8. Refresh page

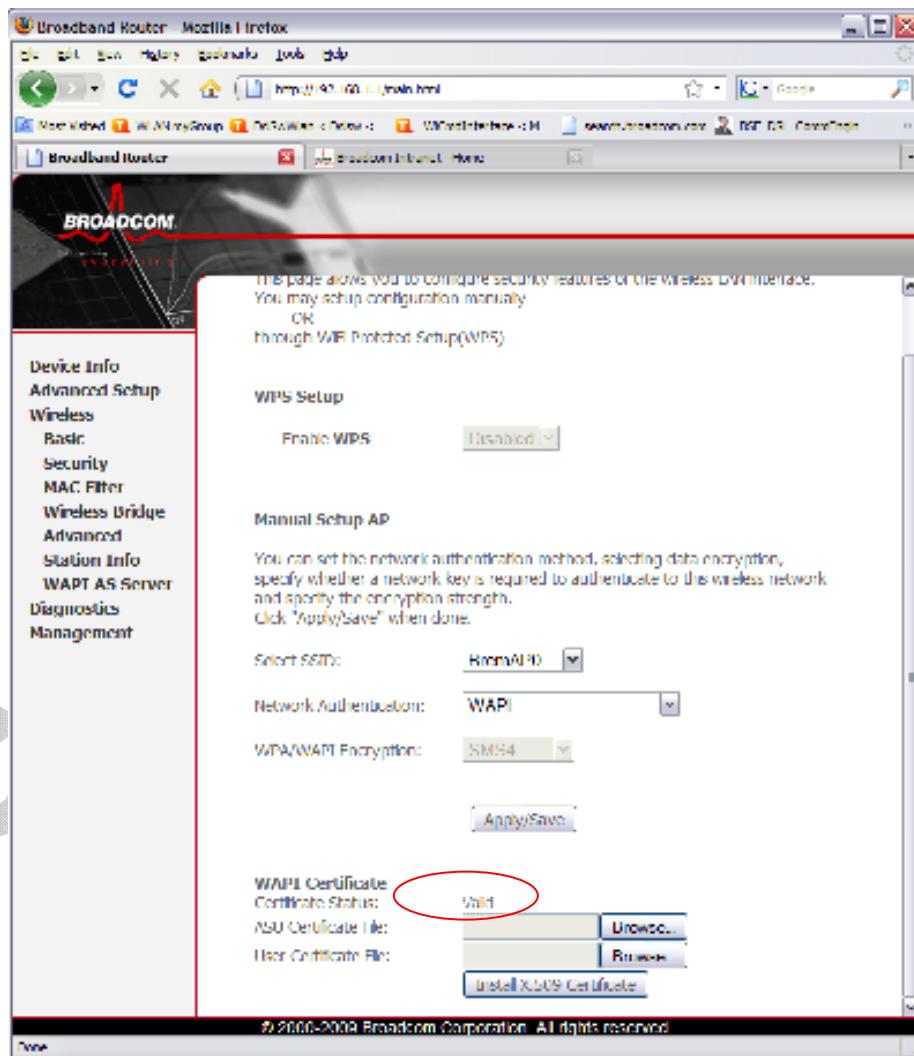


Fig 10. After certificate has been installed