

THOMSON

ST2022 SIP



Thomson Telecom

S.A.S with a capital of 130 037 460 €

RCS 390 546 059

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www.speedtouchpartner.com

European Community Declaration of Conformity

This equipment complies with the requirements relating to electromagnetic compatibility, EN55022 Class B for ITE and EN55024.

This meets the essential protection requirements of the European Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Thomson Telecom declares that this ST2022 MGCP IP Phone is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

You can download the declaration of conformity on www.speedtouchpartner.com.

The CE logo involves the conformity of the product with the essential requirements of implemented directives.



Northern America Federal Communications Commission (FCC) Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions in this manual, may cause interference to radio communications. This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against radio interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user, at his own expense, will be required to take whatever measures are necessary to correct the interface.

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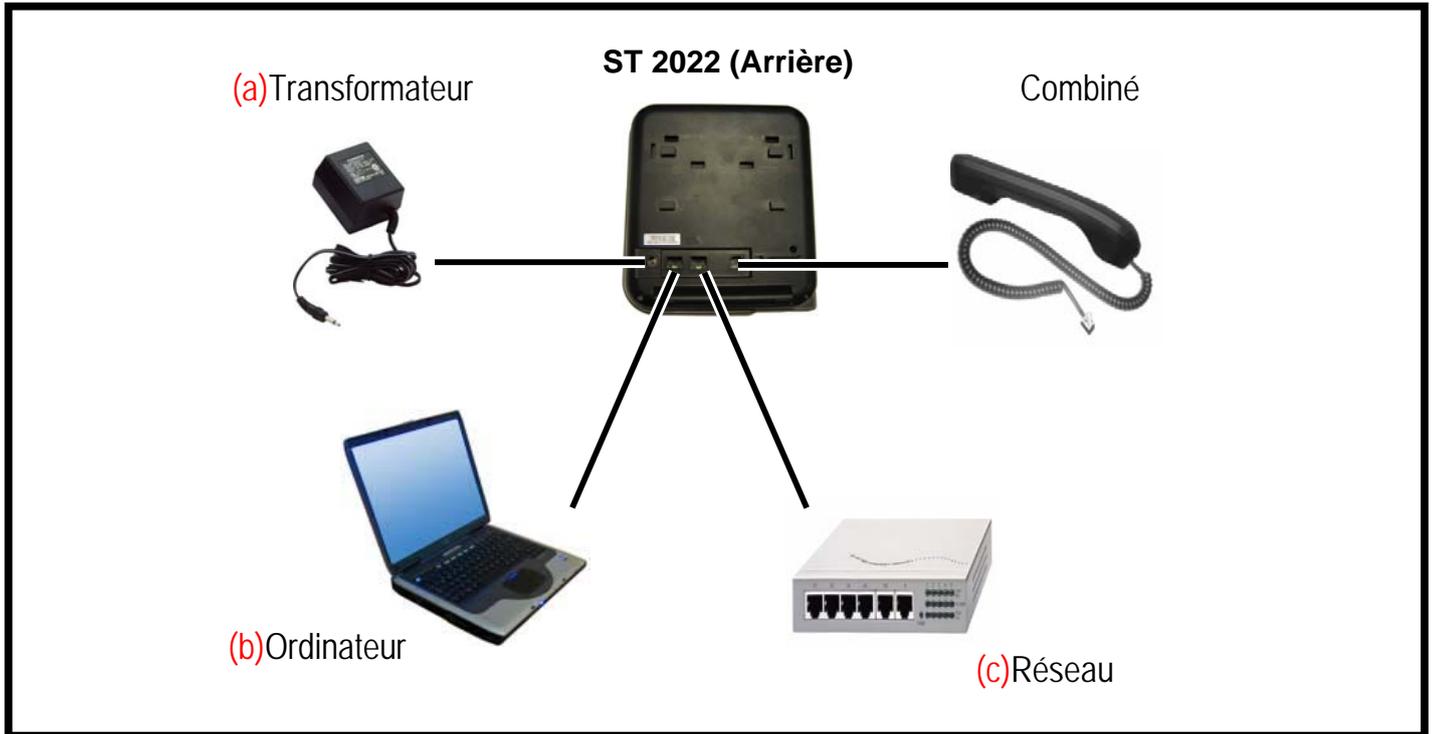
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I. Product overview and connections

Connections



Connecting to the Network and the PC

The ST2022 MGCP IP Phone has 2 RJ-45 ports that each support 10/100 Mbps full duplex Ethernet connection to external devices- Network port and access port (one for PC and one for LAN).

Network Port (10/100LAN)

Use the Ethernet cable to connect the LAN port to an Internet equipment, such as a hub, switch. Or directly to the Network. In Power over Ethernet (PoE) office environment, the IP phone can be powered from a switch via Ethernet cable, in which case the external power adaptor is not needed.

Access port (10/100PC)

Use the Ethernet cable to connect a network device, such as a computer to the PC port on the back of your phone.

Powering up the Phone

The ST2022 could be powered by either a main power unit, or PoE. Its power consumption is under 6W.

Power Plug

The power plug is fed with 9VDC, 800mA, linear.

Power Over Ethernet

The Speed Touch 2022 supports PoE as defined by 802.3af Standard. It is class 2, and supports class negotiation (in order to plug as many devices as possible on a PoE hub). It can be powered with PoE up to 100 meters with category 5,5e or 6 cables.

Connected a headset

If you will use a headset, plug the RJ9 headset connector into the headset port on the left side of your IP Phone.

Physical Features

User panel

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Definitions of LED

LED Indicator	Condition	Color	Status
Speaker	Default	Red	OFF
	During FW boot		ON
	Loudspeaker is activated during a call		ON
Voicemail	Default	Red	OFF
	During FW boot		ON
	Voicemail received		Slow blinking
Mute	Default	Red	OFF
	During FW boot		ON
	Mute is active		ON
Feature keys	Default	Green	OFF
	During FW boot		ON
	Used for speed dial keys in standby mode		OFF
	Line appearance: standby mode		OFF
	Line appearance: a call is incoming		Fast blinking
	Line appearance: is active		ON
	Line appearance: hold or remote hold		Slow blinking
System	Boot: during FW boot	Red Green	Red ON
	Boot: during DHCP process (if any)		Red Slow blinking
	Boot: during SIP registration		Red Fast blinking
	Running mode: Ethernet connection is down		Red Slow blinking
	Running mode: IP connection is down (e.g. no IP address allocated)		Red Slow blinking
	Running mode: SIP connection is down (e.g. SIP registration or registration refresh failure)		Red Slow blinking
	Auto-configuration: during configuration file download		Red Fast blinking
	Auto-configuration: during firmware file download		Red Fast blinking
	System is programming FLASH		Red ON
	Ringing state		Green Slow blinking
	Alert messages and missed calls		Green Slow blinking

II. Configuration through LCD

Assign an IP address to the phone

Setting the address

Using Fix IP address

1. Press **menu** key.
2. Choose **Admin** with **softkeys**.
3. The phone will prompt **Input Password:**
4. Make sure you have selected the right entry mode with the **A>a>1** **softkey**.
5. Enter the admin password using the **Dialing pad** (default value is 784515) and choose **OK** with **softkeys**.
6. Select **Networking** with **Navigator keys** and choose **Select** with **softkeys**
7. The actual mode must now be highlighted. It can be **DHCP**, **Fixed-IP** or **PPPoE**. Choose **Edit** with **softkeys**
8. Choose **Fixed-IP** using the **Navigator keys** and choose **Save** with **softkeys**
9. Scroll down to the IP address using the **Navigator keys** and Choose **Edit** with **softkeys**
10. Erase the previous IP address with **DelChr** **softkey**
11. Enter the new one with the **Dialing pad** and then press the **Save** **softkey**
12. Press the **Back** **softkey** to return to previous menu.
13. Press the **Back** **softkey** once again to return phone idle mode.
14. Press **menu** key.
15. Choose **Option** with **softkeys**.
16. Use the **Navigator keys** to scroll down the menu to **Reboot**
17. Press **Select** **softkey**
18. The ST2022 displays **Reboot?**

19. Press **OK** softkey
20. Wait for ST2022 to reboot
21. The new IP address is set
22. Check that the IP address is set properly

Using DHCP

1. Press menu key.
2. Choose **Admin** with softkeys.
3. The phone will prompt **Input Password:**
Make sure you have selected the right entry mode with the **A>a>1** softkey.
4. Enter the admin password using the Dialing pad (default value is 784515) and choose **OK** with softkeys.
Select **Networking** with Navigator keys and choose **Select** with softkeys
5. The actual mode must now be highlighted. It can be **DHCP**, **Fixed-IP** or **PPPoE**. Choose **Edit** with softkeys
6. Choose **DHCP** using the Navigator keys and choose **Save** with softkeys
7. Press the **Back** softkey to return to previous menu.
8. Press the **Back** softkey once again to return phone idle mode.
9. Press menu key.
10. Choose **Option** with softkeys.
11. Use the Navigator keys to scroll down the menu to **Reboot**
12. Press **Select** softkey
13. The ST2022 displays **Reboot?**
14. Press **OK** softkey
15. Wait for ST2022 to reboot
16. The new IP address is set
17. Check that the IP address is set properly

Check that the IP address is set properly

1. Press **menu** key
2. Choose **User** with **softkeys**
3. Use the **Navigator keys** to scroll down the menu to **Information**
4. Press **Select** **softkey**
5. **The IP address is displayed**

Once you know the IP address of the ST2022, you can start to configure the phone using its friendly web interface.

Reset to default

In order to reset the phone to its default configuration values (including passwords), perform the following actions:

1. Unplug the phone from its power source
2. Maintain the **Mute** and **Headset** keys pressed
3. Without releasing the **Mute** and **Headset** keys, plug back the phone to its power source
4. ST2022 will prompt "**Reset to default !!!**"
5. The ST2022 is now reset to its default configuration values.

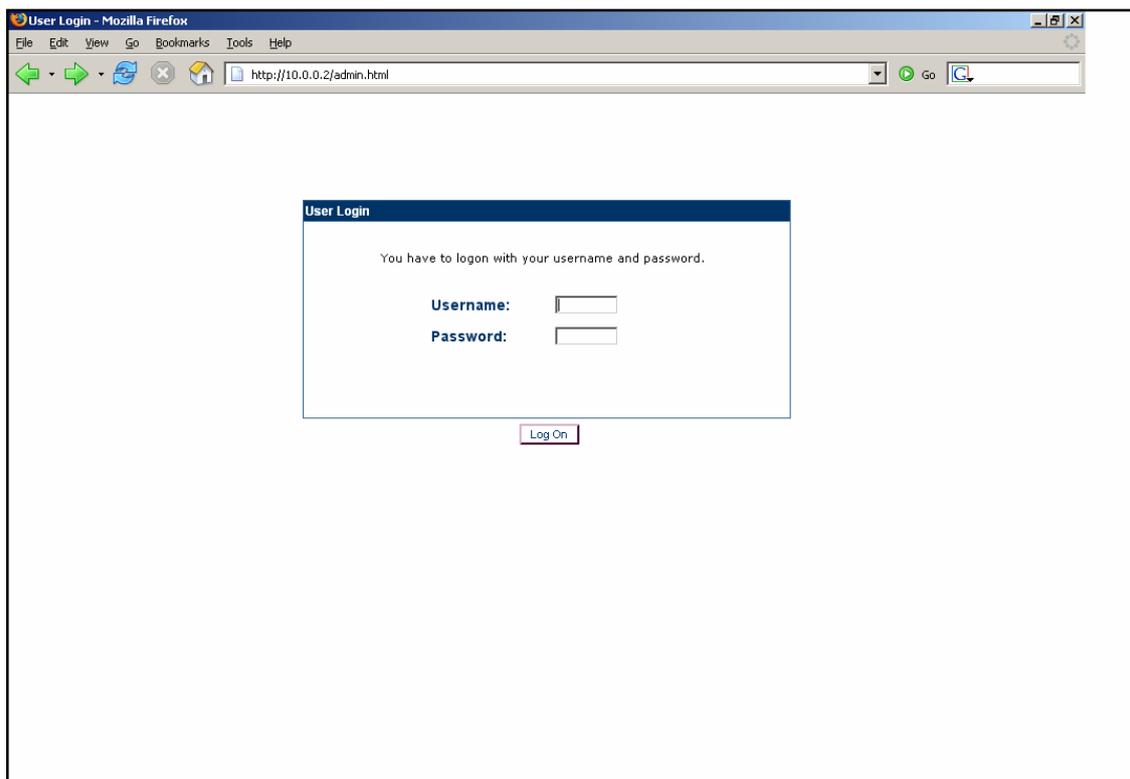
III. Configure phone using web interface

Find the phone IP address

1. Press **menu** key
2. Choose **User** with **softkeys**
3. Use the **Navigator keys** to scroll down the menu to **Information**
4. Press **Select** **softkey**
5. **The IP address is displayed**

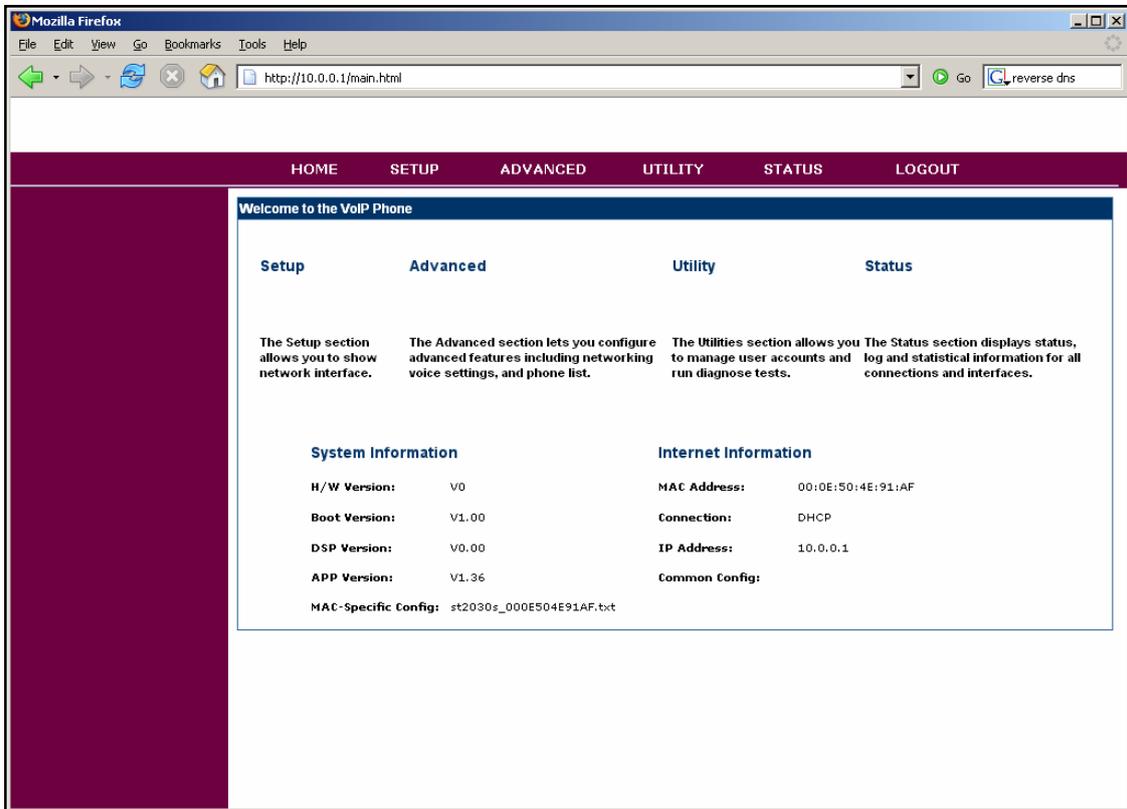
Access to Admin Homepage (web interface)

1. Open a web browser (Firefox, Internet Explorer, Safari...)
2. Enter the ST2022 IP address in the address bar with **/admin.html** appended at the end of it. Ex: **10.0.0.1/admin.html**



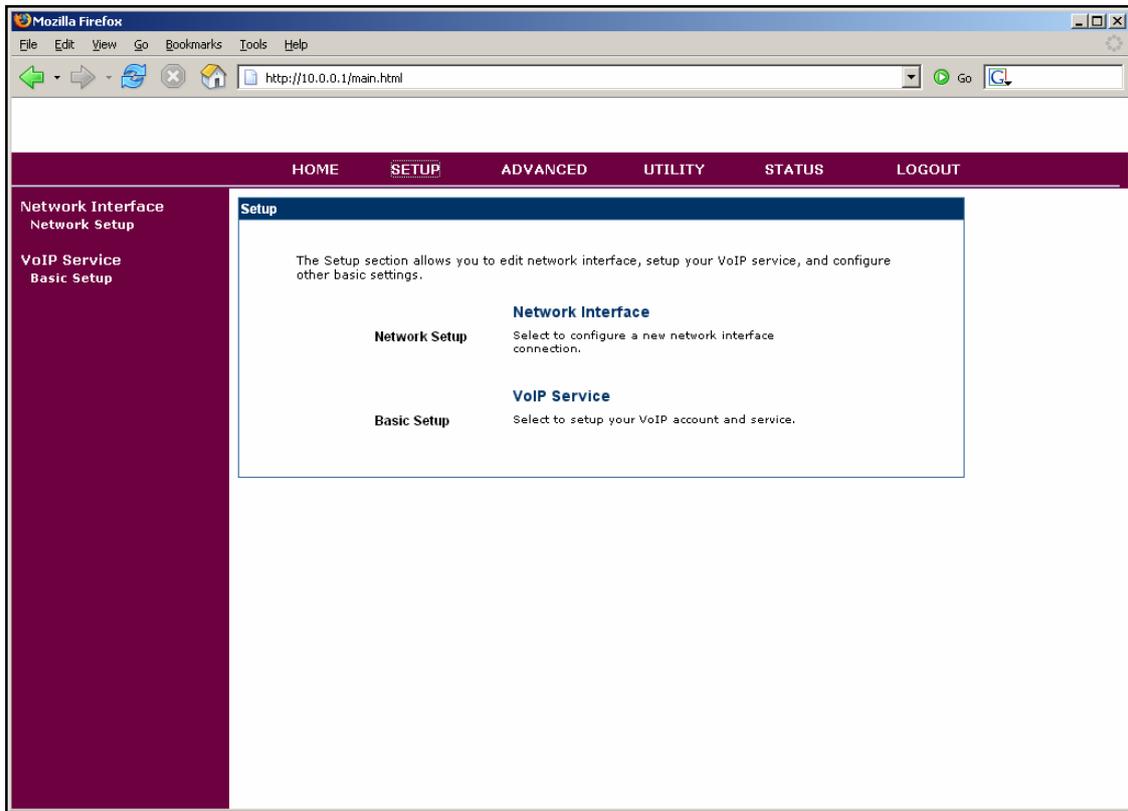
3. Enter the administrator login **"administrator"**

4. Enter the administrator password (default value is **784518**)
5. You will access the Homepage of the ST2022

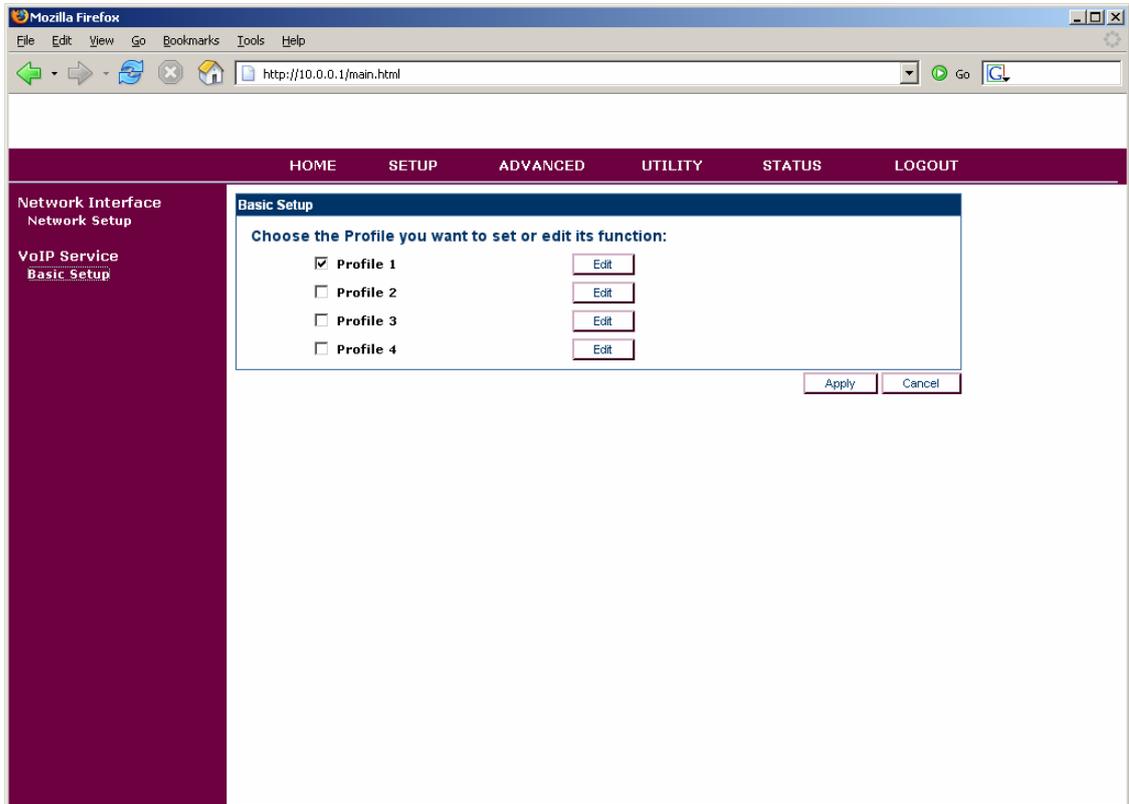


Setup the SIP configuration

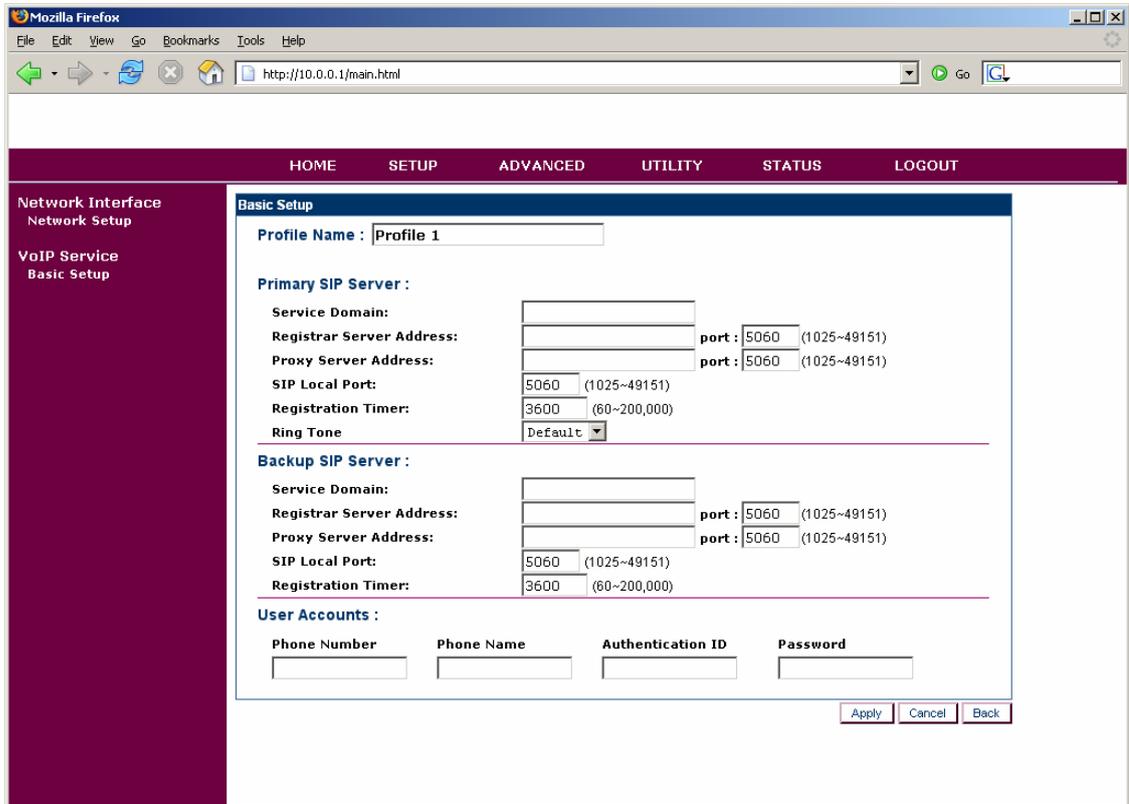
1. Once connected to the ST2022 Admin Homepage, go to the Utility page (Click on **SETUP** on the top menu of the Homepage).
2. You will access the Setup Page



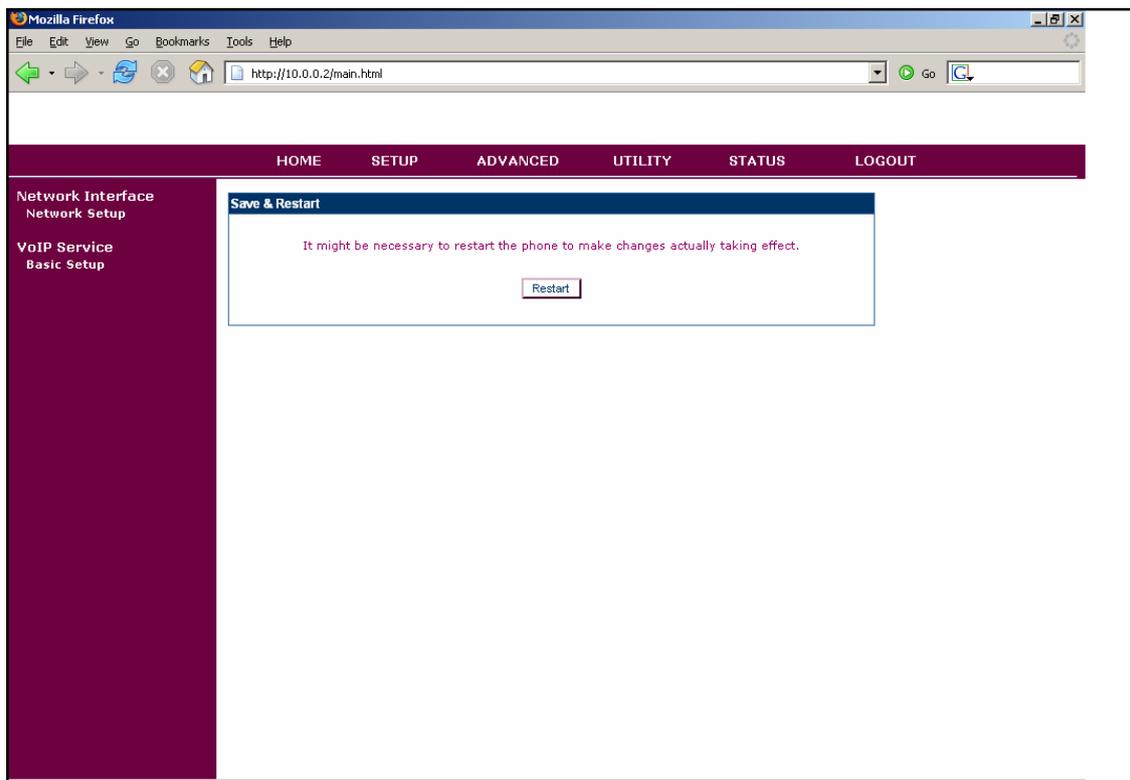
3. Click on **Basic Setup** in the left menu
4. You will access the Setup – Basic Setup page



5. Click on the Edit button of the profile you want to edit.
6. You will access the Profile Setup page.



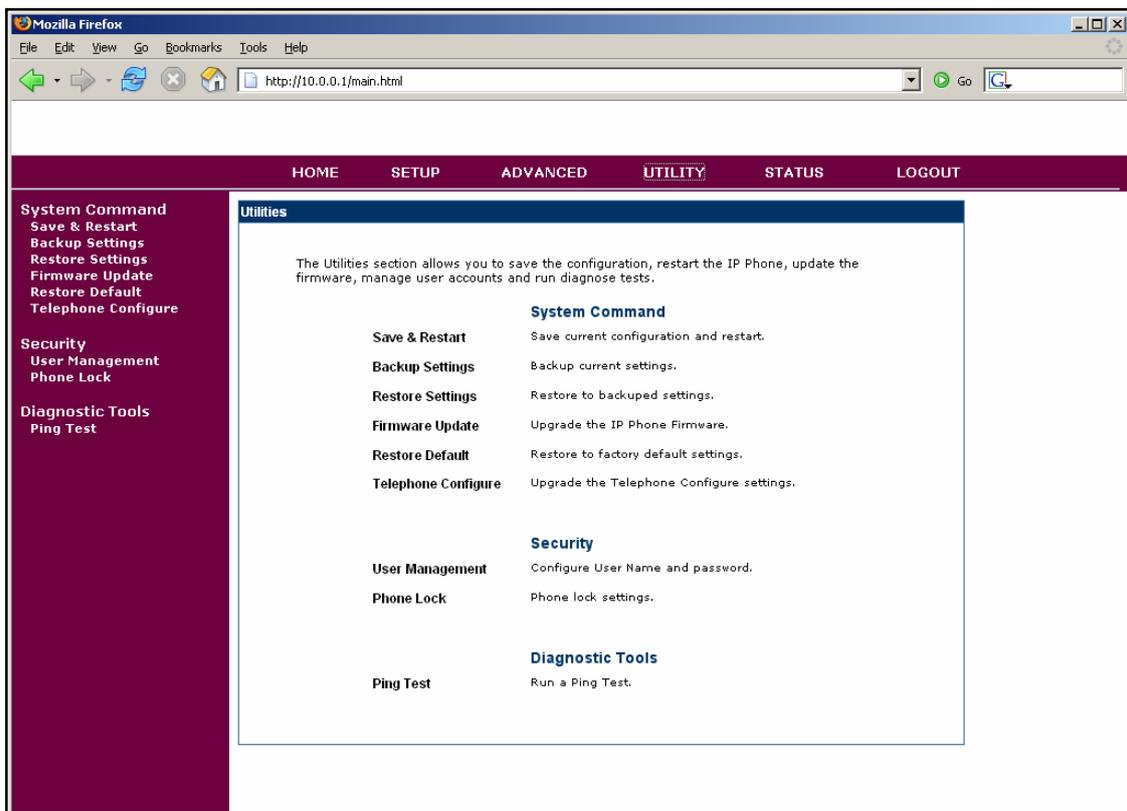
7. Fill in the SIP Servers properties and the User Accounts
8. Click on **Apply**



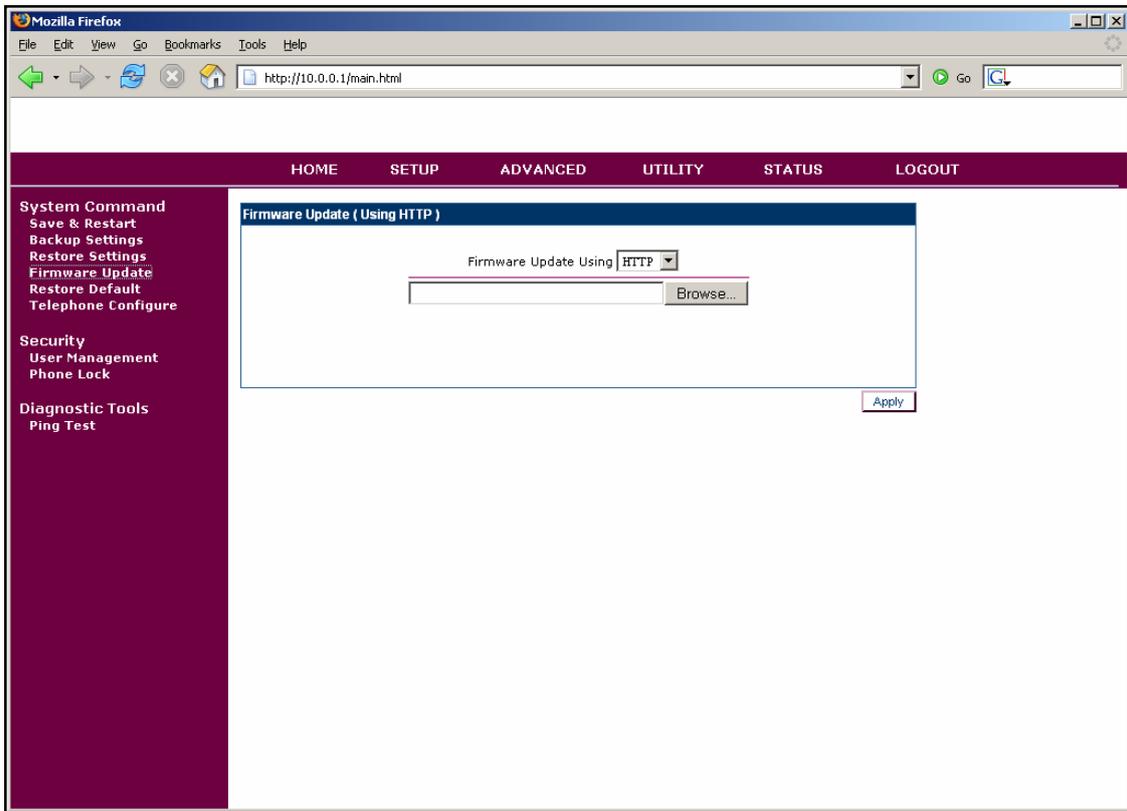
9. Your changes have been taken into account

Upgrade firmware

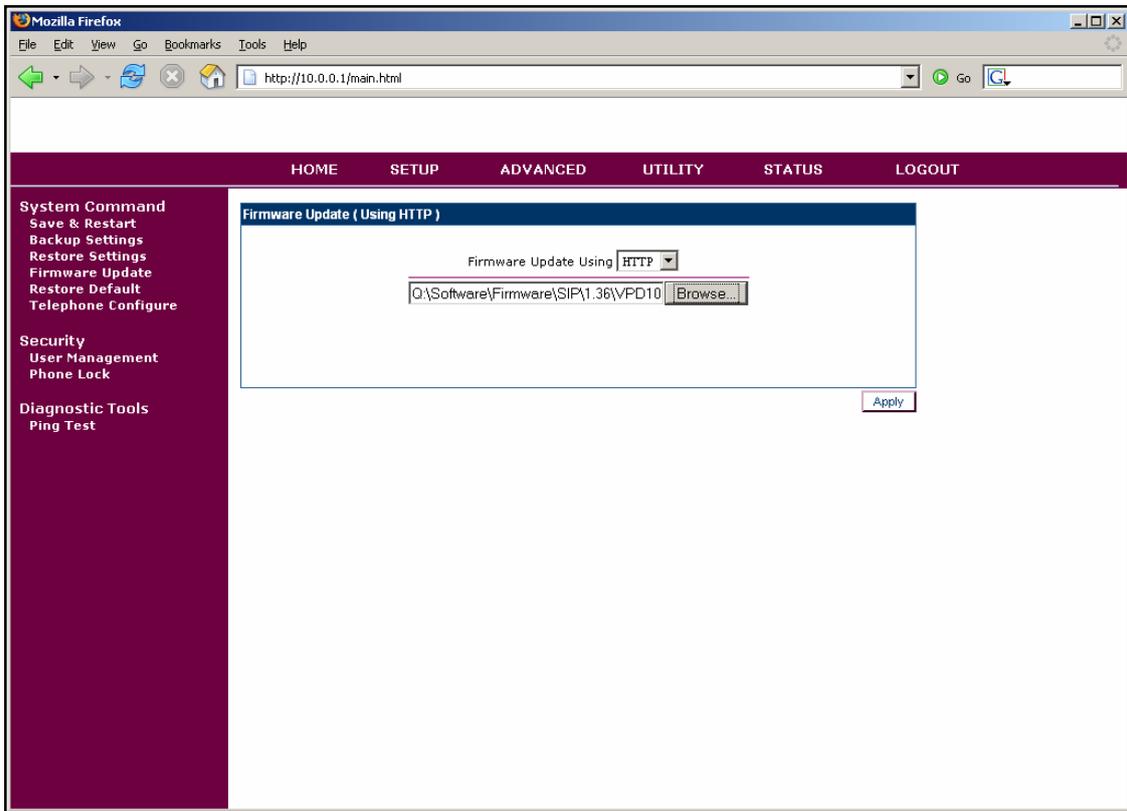
1. Once connected to the ST2022 Admin Homepage, go to the Setup page (Click on **UTILITY** on the top menu of the Homepage).
2. You will access the Utilities Page



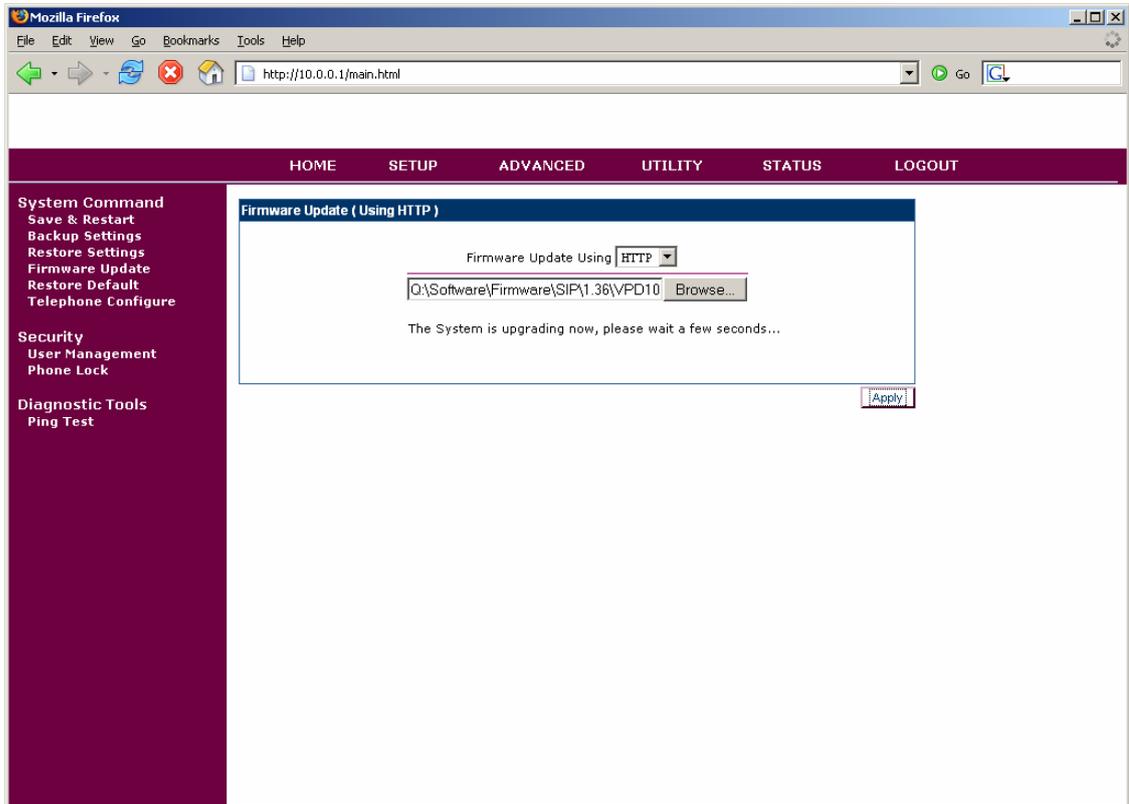
3. Click on **Firmware Update**
4. You will access the Utilities – Firmware Update page



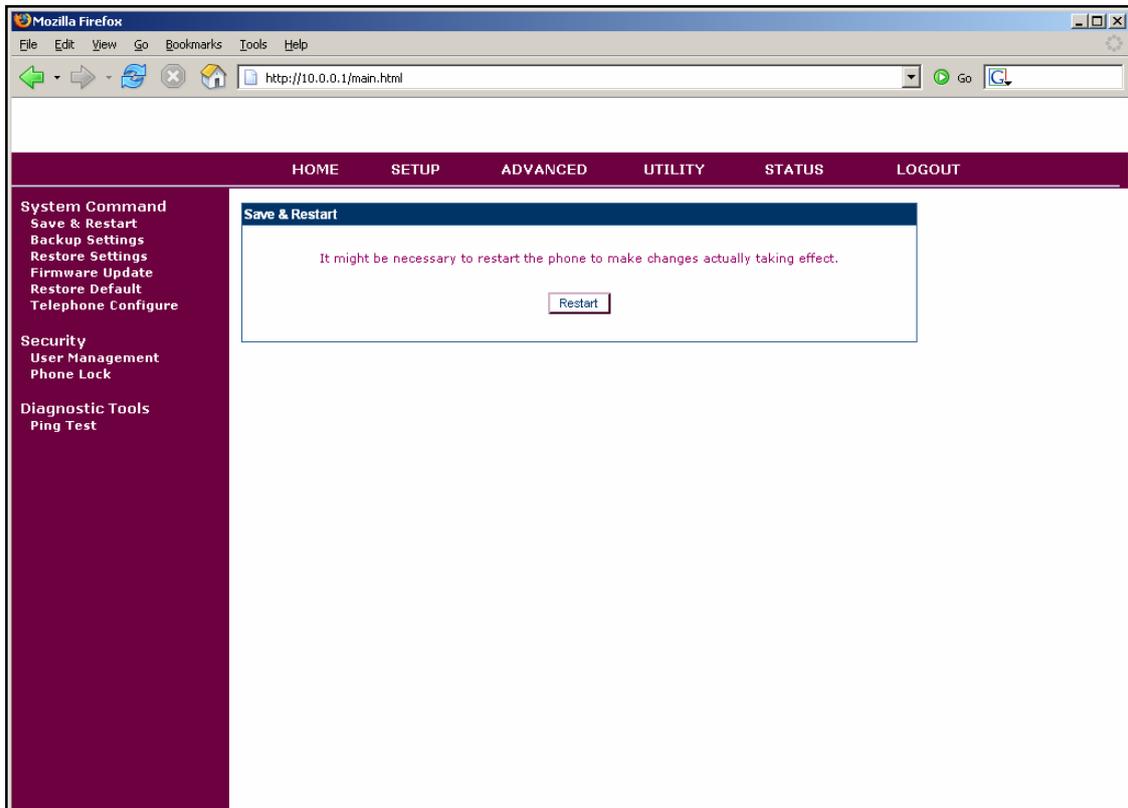
5. Browse to find the firmware file you want to upload
6. Click on **Apply**



7. The ST2022 will upload the firmware



8. When the firmware file will be uploaded, the ST2022 will ask you to confirm the restart.



9. Click on **Telephone Configure**
10. You will access the Utilities – Telephone Configure page
11. Browse to find the TelConf file associated to the firmware
12. Click on **Apply**
13. When the TelConf file will be uploaded, the ST2022 will ask you to confirm the restart.
14. Click on **Restart**.
15. The ST2022 will reboot and the firmware will be updated