



XELLIP

INTERCOMMUNICATION OVER

A blue curved line graphic that starts under the word "INTERCOMMUNICATION" and ends under the letter "P", arching upwards.

USER MANUAL FOR XELLIPMEDIA

Version 2.0

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INTRODUCTION

XELLIPMedia is the software application of the XELLIP package, which can run on a PC and allows the user to establish audio/video communication between this PC and a SIP party, which may be a XELLIP gatekeeper, a XELLIP master station or any other client supporting the SIP protocol.

XELLIPMedia can also be used to run commands on the party side during communication involving stations of the XELLIP range (opening doors, etc.) .

This "*softphone*" is based on the **SIP protocol**.

XELLIPMedia offers the following functions:

- Making outgoing calls
- Answering incoming calls
- Managing muting during a call
- Managing a directory of SIP contacts
- Registering with a SIP server
- Configuring multimedia peripherals
- Managing security

XELLIPMedia, based on the SIP protocol, supports the following parameters:

- Audio codecs: G.711aLaw or PCMA , G.711uLaw or PCMU, GSM, Speex 8kHz, Speex 16kHz
- Video codecs: H.263, H.263+ 1998, MP4V-ES, theora, x-snow
- DTMF code support (RFC 2833 and SIP INFO messages)

Important: **XELLIPMedia** supports a larger number of codecs than the stations of the XELLIP range, which support the following codecs:

Audio: PCMU, PCMA, GSM
Video: H263, H263 + 1998

MINIMUM HARDWARE REQUIREMENTS

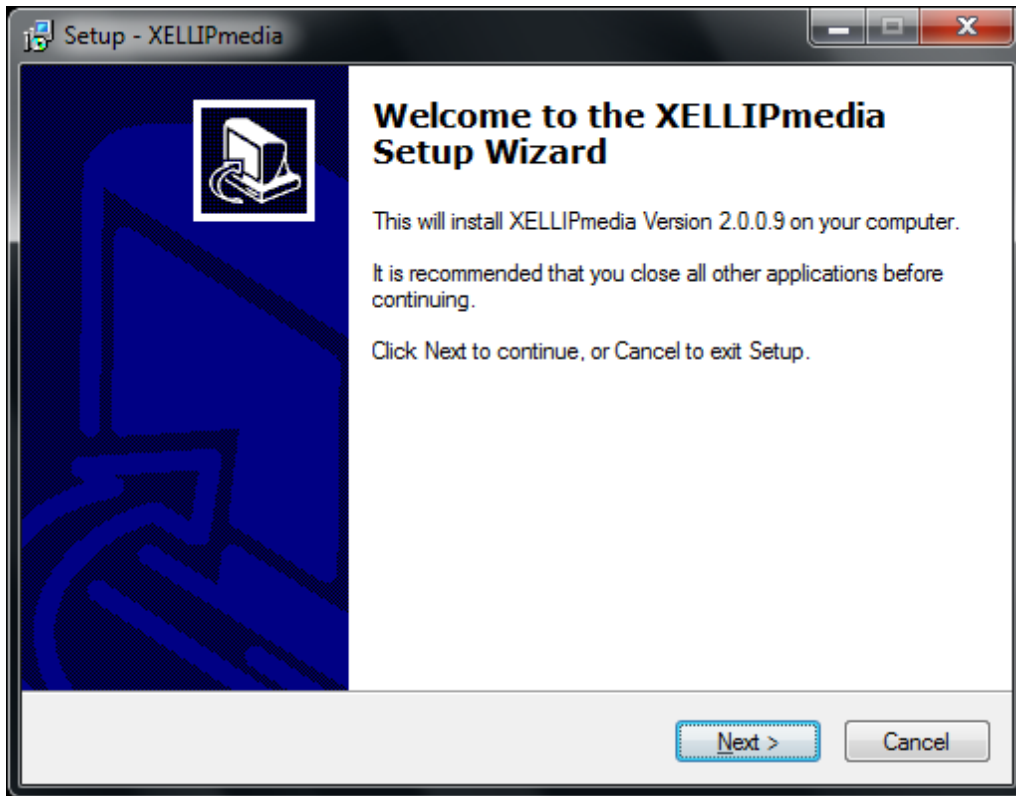
XELLIPMedia requires a PC with the following specifications:

- Processor:
 1. At least Intel Pentium III 1 Ghz or equivalent
 2. Optimum: Pentium 4 2.0 GHz or equivalent
- Memory: At least 512 MB of RAM,
- Hard disk space: 100 MB
- Operating system: Windows XP, Vista, Windows 7
- Network card
- Sound card
- Speakers
- Microphone (preferably external)

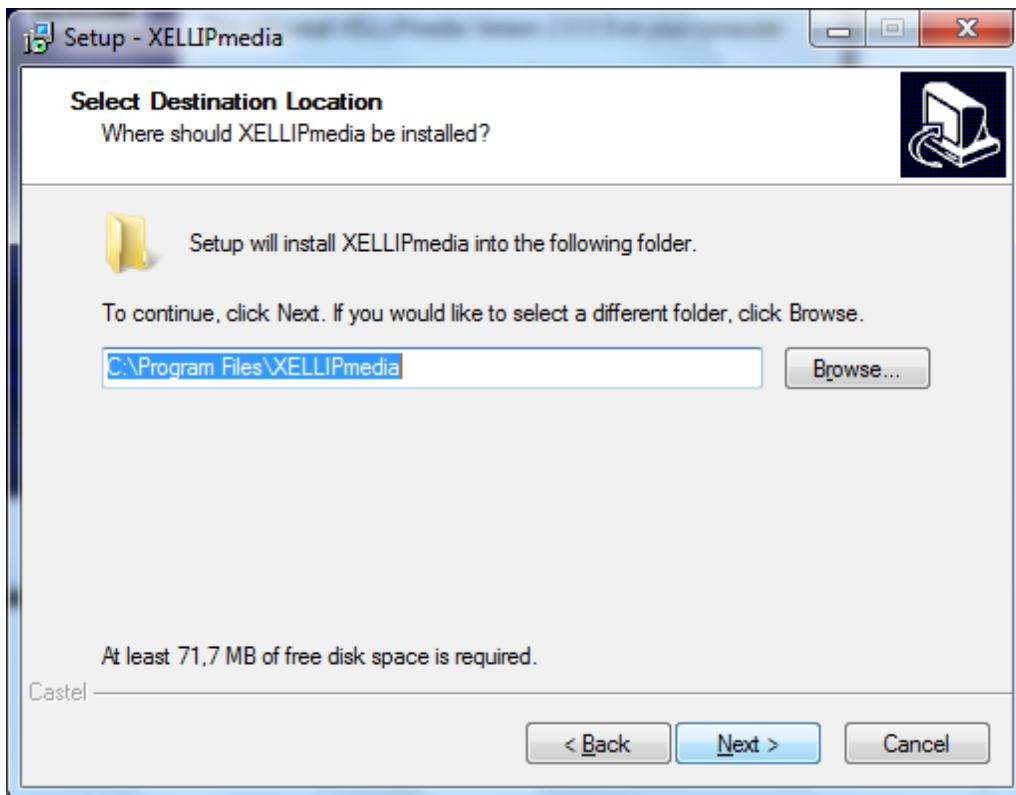
INSTALLING XELLIPMEDIA

XELLIPMedia can be installed from the included XELLIP CD-ROM:

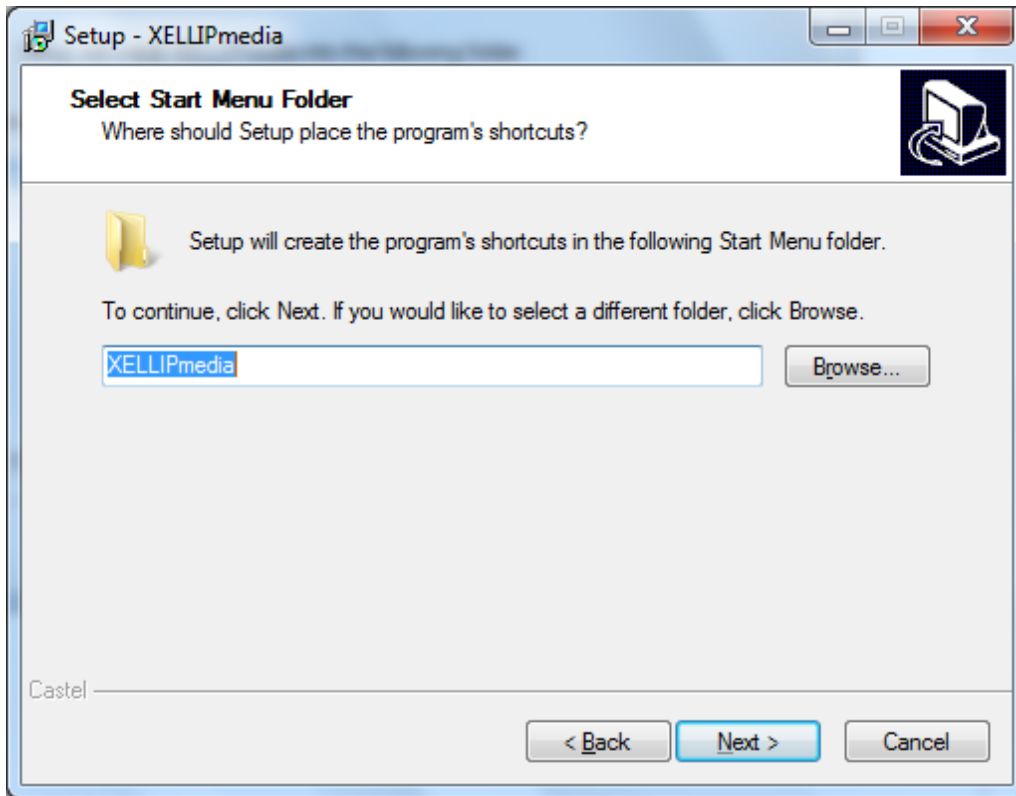
1. Run "**XELLIPmedia-Setup.exe**",



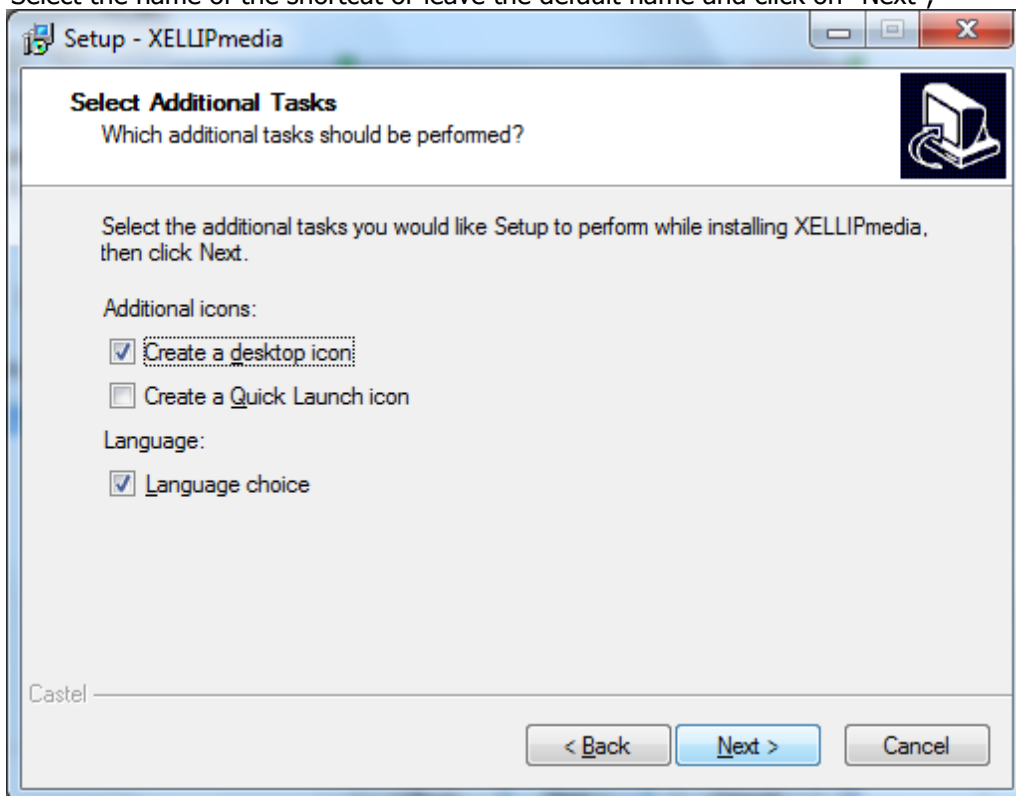
2. Click on "Next",



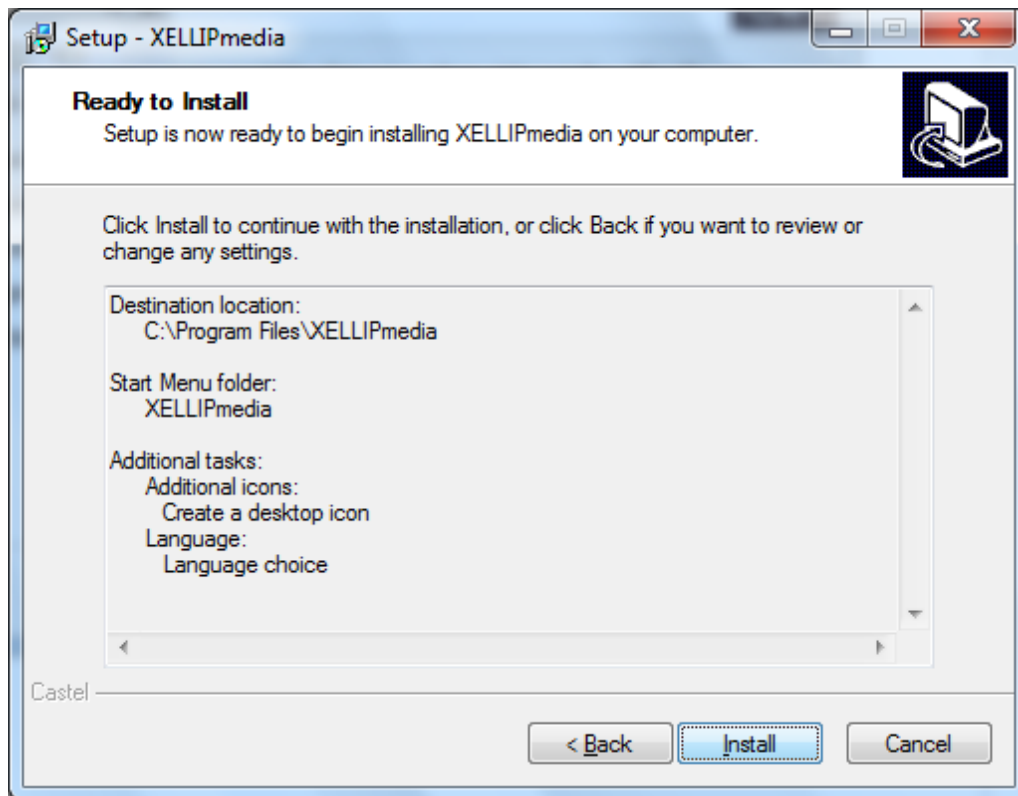
3. Select the installation path or leave the default path and click on "Next",



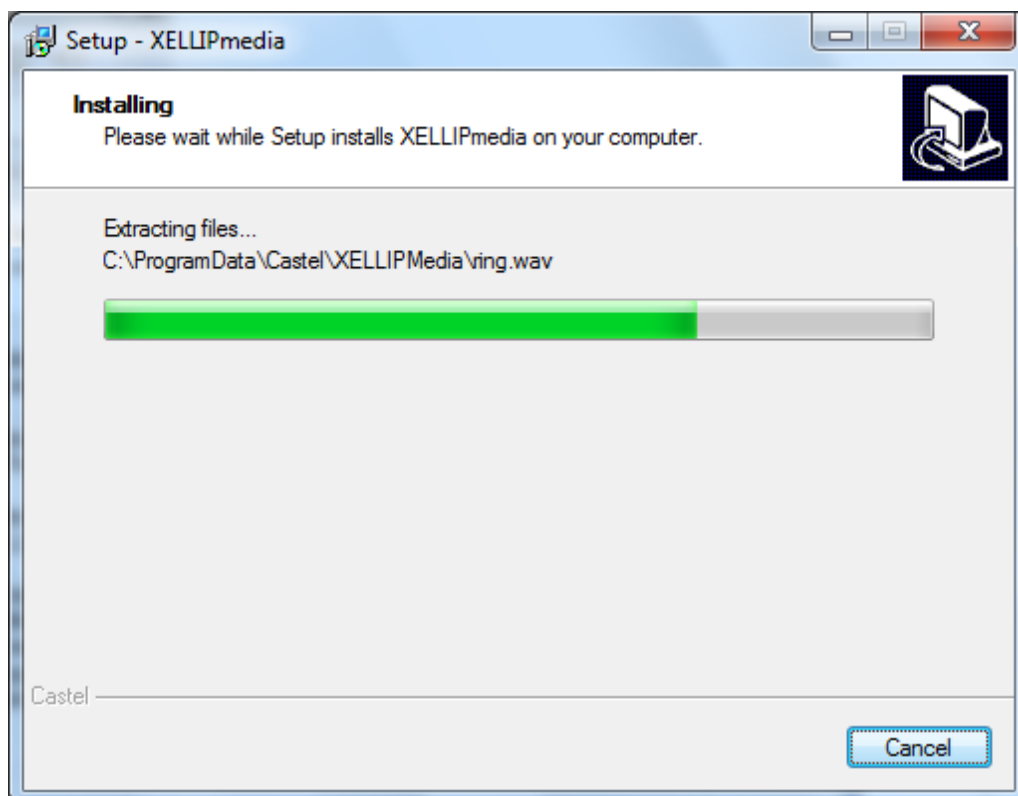
4. Select the name of the shortcut or leave the default name and click on "Next",

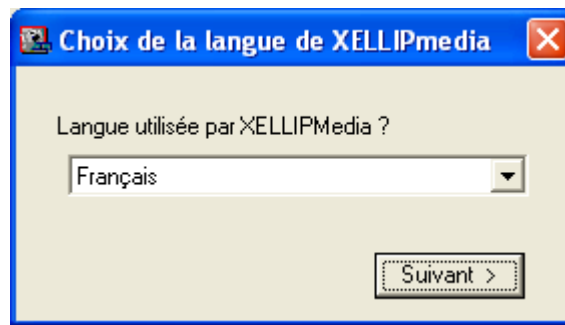


5. Select "Language choice" (you can create a desktop shortcut and/or a quick launch icon) and then click on "Next",

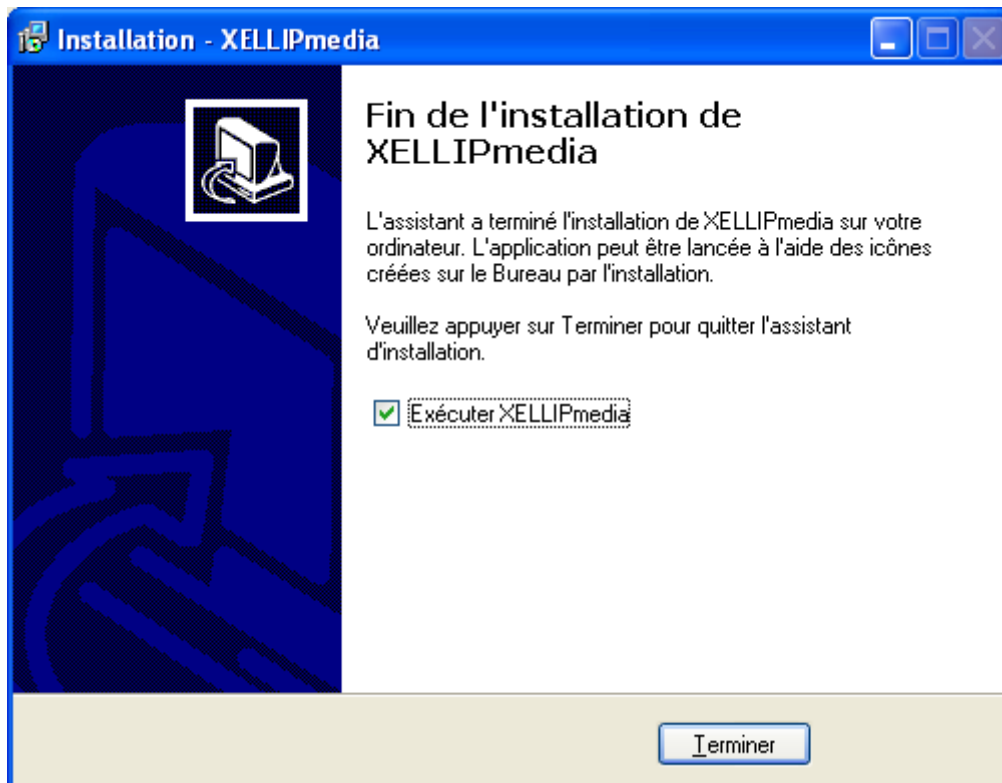


6. Check the installation parameters and click on "Install",





7. Select the language and then "Next".



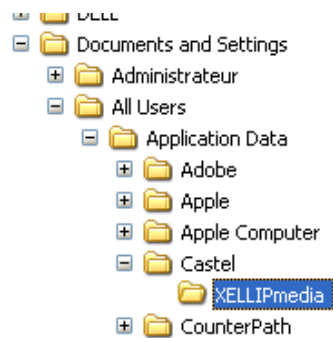
8. Click on "Finish".

The installation of **XELLIPMedia** is complete.

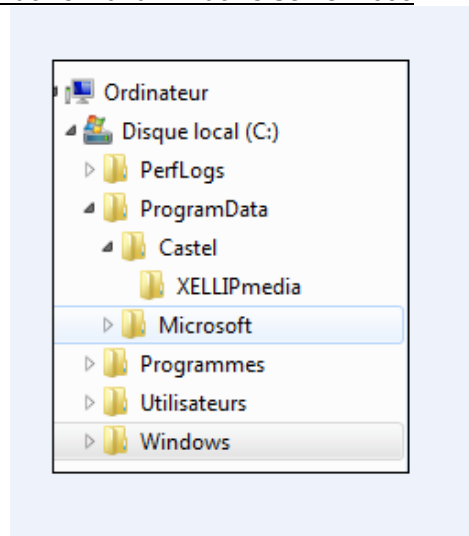
XELLIPMedia is systematically installed for all users in order to ensure that even basic users can access the program.

This means that the configuration files of the application are stored in the folder reserved for all users in the Windows system ("C:\Documents and Settings\All Users\Application Data\Castel\XELLIPMedia" on most computers.)

- For Windows 2000, Windows XP and Windows Server 2003



- For Windows Vista, Windows 7 and Windows Server 2008



This means that any user with "standard" or "administrator rights" will be able to modify the settings. Users with restricted rights will not be able to modify them (or in any case will not be able to save any changes made due to a lack of writing rights.)

FIRST USE OF XELLIPMEDIA

Launching the software – First notions

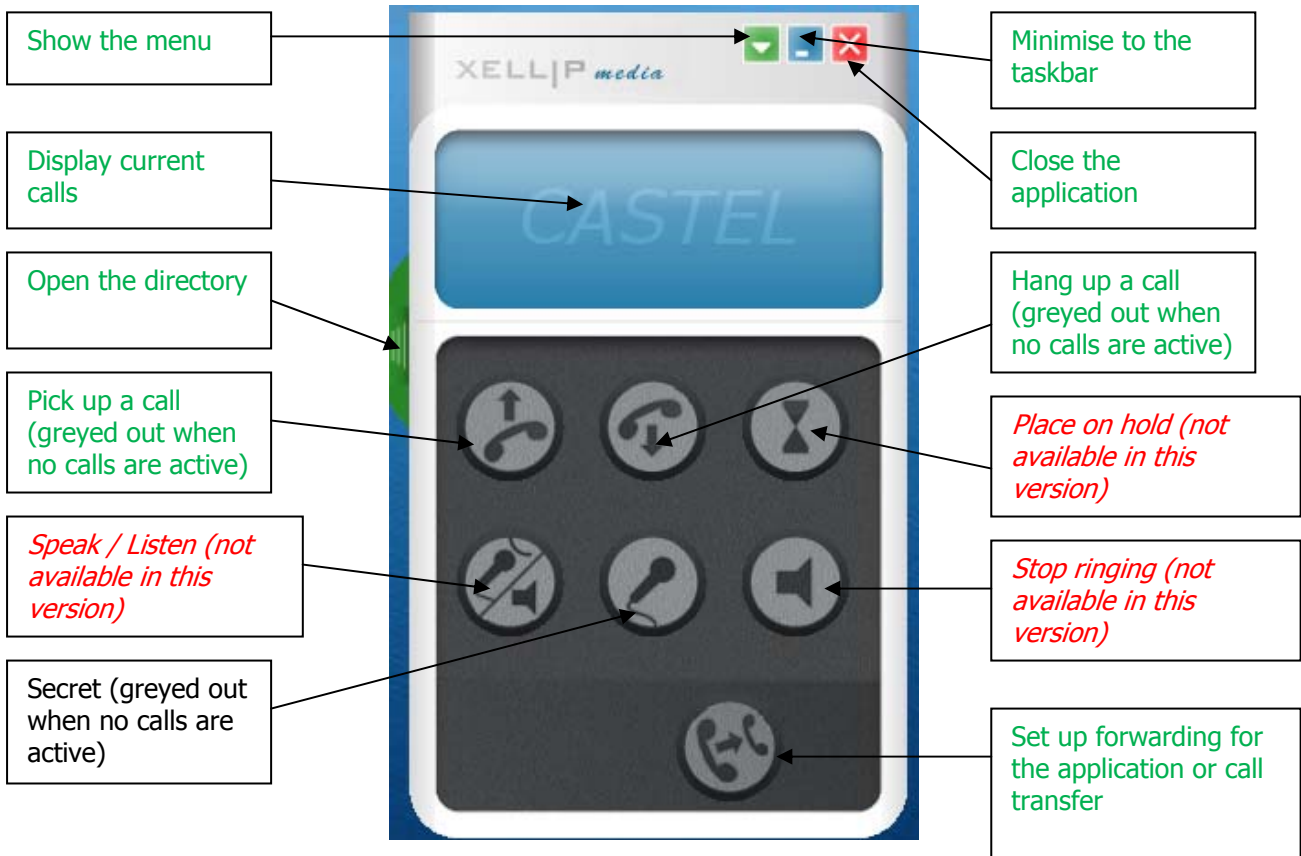
To launch the application, click on the shortcut in:

Start → All Programs → **XELLIPMedia** → **XELLIPMedia**.

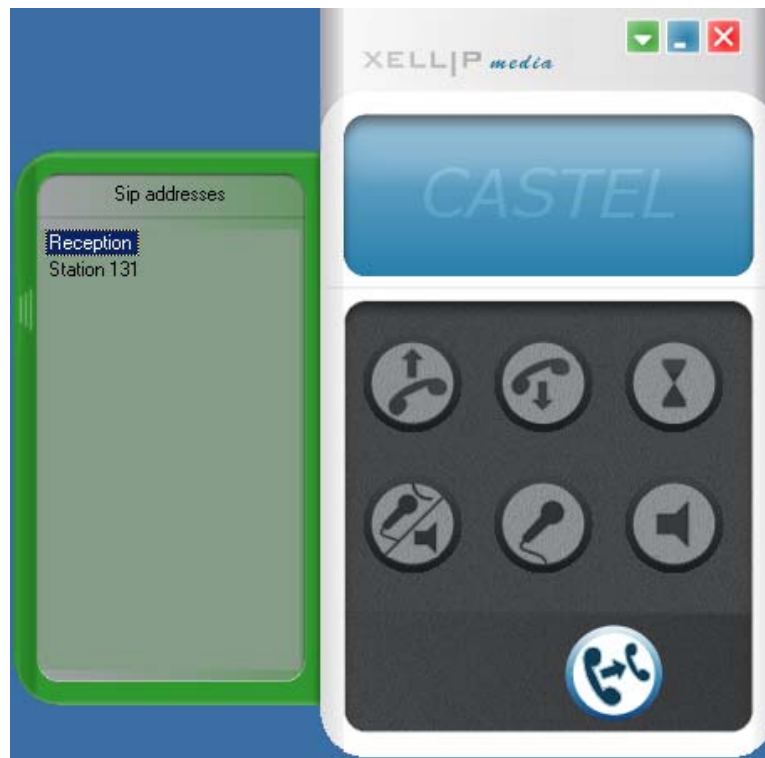
The main view of the application opens.

Introduction to the main window

The **XELLIPMedia** application appears as follows when not making or receiving a call:




When the window of the directory of SIP addresses is open:



Adding a SIP contact to the directory

In order to establish communication with another party, first you need to add SIP contacts to the **XELLIPMedia** application.

To do so:

1. Click on the button to show the menu () and select "Add a SIP contact". Otherwise, right click in the "List of SIP contacts" window and select "Add a SIP contact".
2. The following window opens:

The dialog box is titled "Add SIP contact" and contains the following elements:

- A "Label" text input field.
- An "Address" text input field.
- "OK" and "Cancel" buttons at the bottom.

3. Add:
 - a. A name which will appear in the contact window.
 - b. A SIP address which must have the following format:
 - i. If **XELLIPMedia** is registered with a server, the address can be the station extension number (124, 356, etc.) or a SIP-compatible address with the following format: sip: xx@IPAddress (sip: 1@192.168.55.66)

- ii. If **XELLIPMedia** is not registered with a server, the address must be a SIP-compatible address with the following format: sip: xx@IPaddress (sip: 1@192.168.55.66:5060)

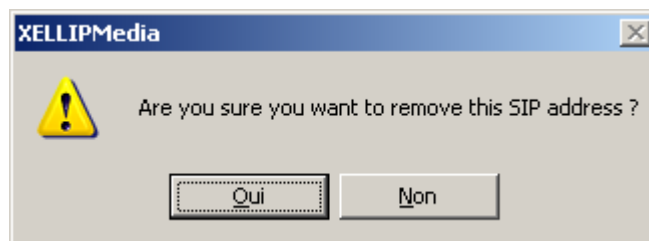
4. The contacts then appear in the list of SIP contacts:



Deleting a SIP contact

To delete a SIP contact:

1. In the contact list, right click on the item you want to delete.
2. Click on "Delete" in the menu.
3. A confirmation window pops up:

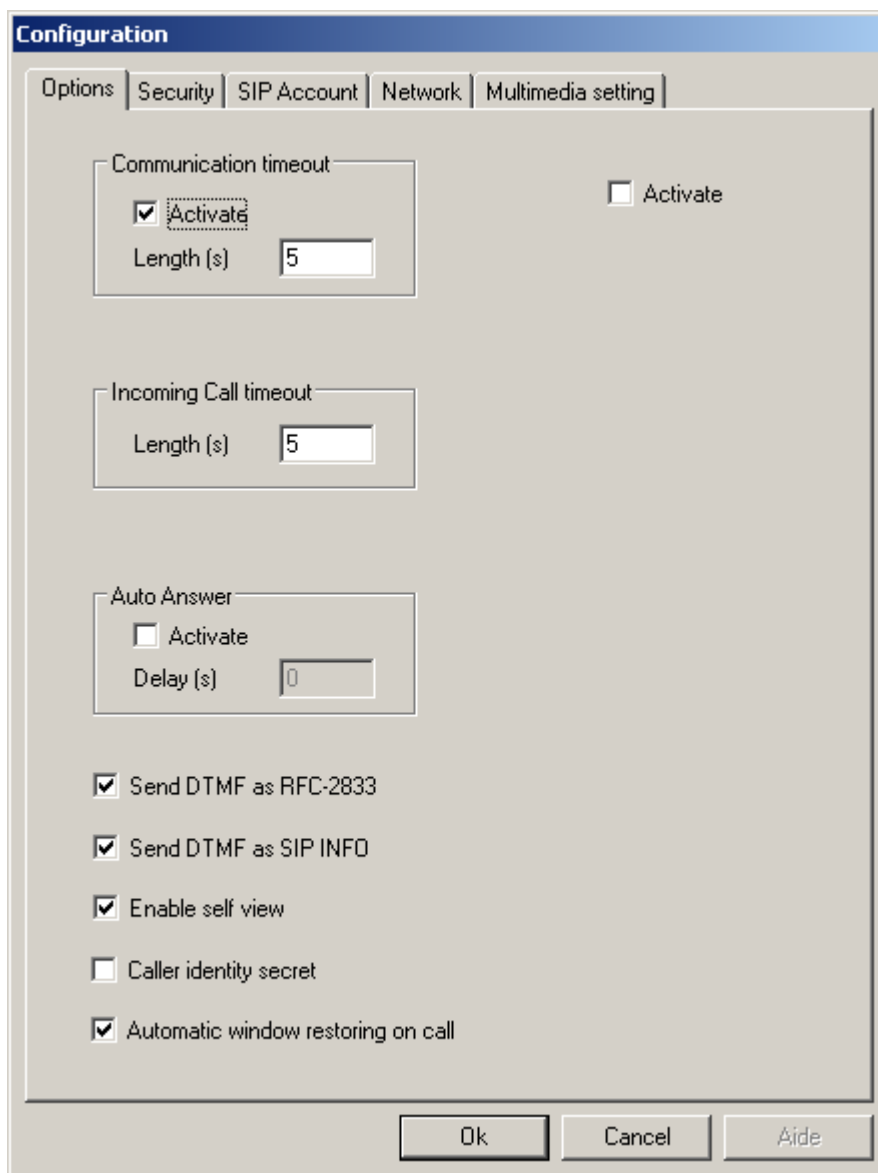


4. Click on "Yes"

Application options

In the menu (), click on "Configuration". A configuration window with the following tabs pops up:

Miscellaneous



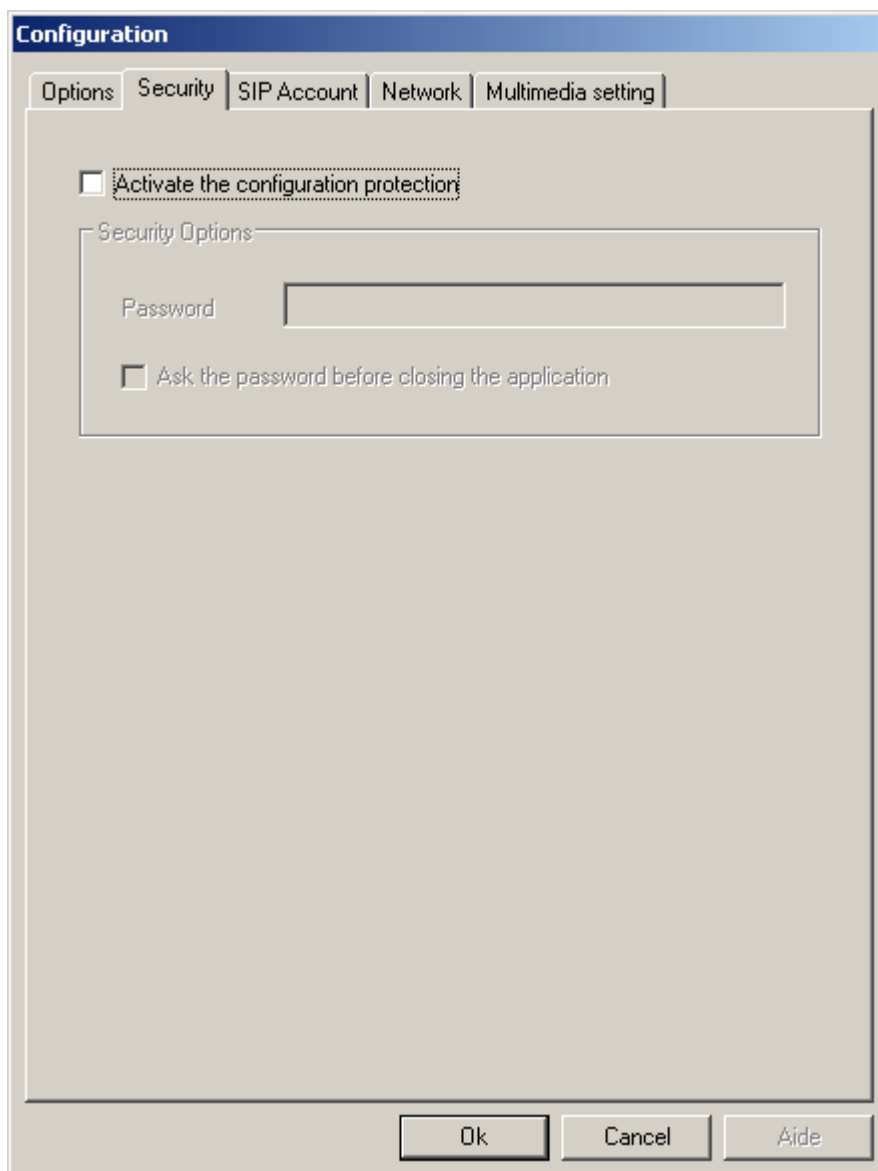
The "*Miscellaneous*" tab allows you to configure the main operating parameters:

- Call time-out: to configure a maximum communication time between the **XELLIPMedia** application and a party.
- Incoming call time-out: to configure a maximum incoming call time between the **XELLIPMedia** application and a party.
- Automatic pick-up: in order for communication to be established automatically as soon as a call is received as long as the station is not already making or receiving a call.
- Sending DTMF codes in RFC-2833 mode: to carry DTMF codes according to the RFC-2833 standard
- Sending DTMF codes in SIPINFO: DTMF codes are sent in a SIP INFO message
- See yourself: Inserts an image from your webcam at the bottom right of the video window.
- Secret (on an incoming call, conceals the IP address of the caller) : The caller's IP address is not displayed.

- See yourself: Inserts an image from your webcam at the bottom right of the video window.
- Automatically restore the window when a call comes in: when the **XELLIPMedia** is minimised (in the Windows taskbar) and a call arrives, the window automatically reappears. This option allows you to remain available to receive calls while continuing to use your PC for other tasks.

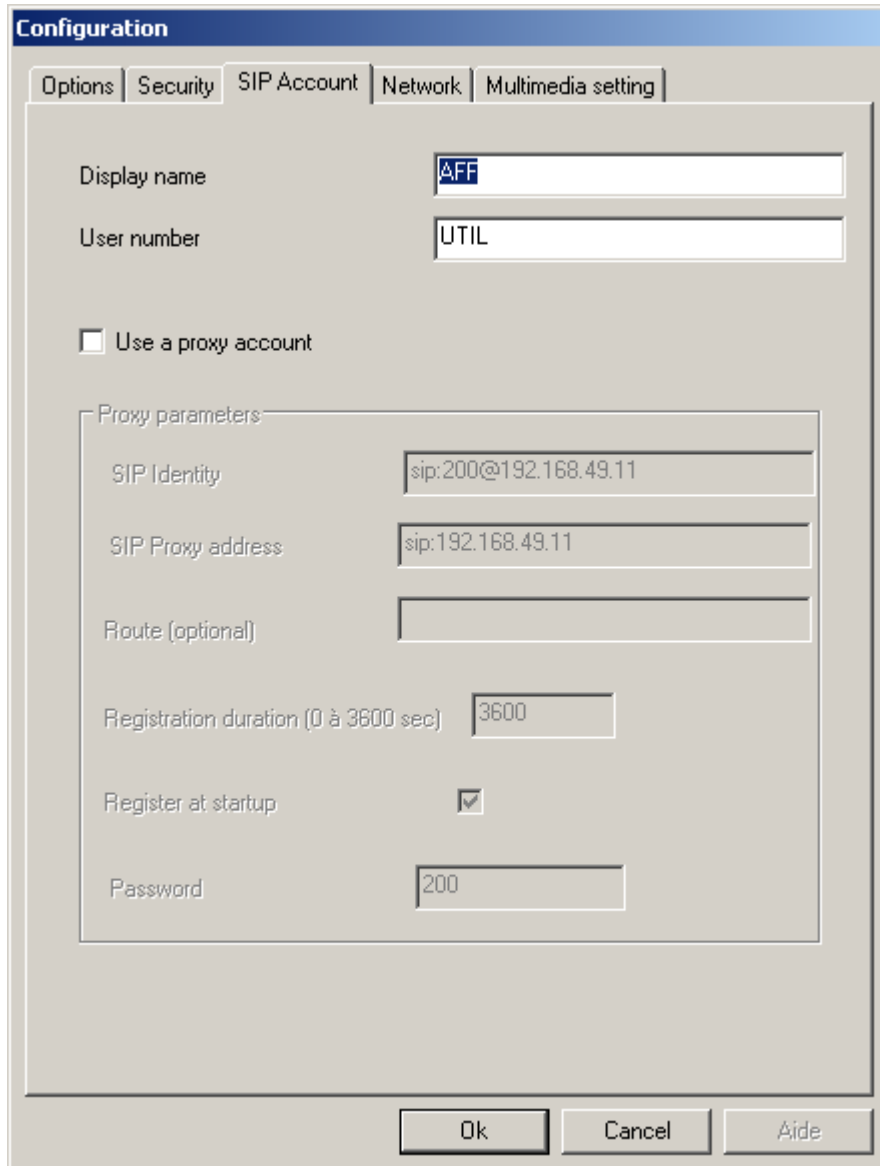
Security

The security tab allows you to configure the use of a secure mode that requires a password to be entered before modifying the settings (displaying this configuration window, adding or deleting SIP contacts, etc.) and/or before closing the application.



SIP accounts

This tab allows you to configure the SIP parameters of **XELLIPmedia**



- Display name: This field defines the identity of the station as a name. This is the display name that will be used to identify **XELLIPMedia** with the various parties.
- Extension number:
 - Standalone mode
This field is used to recreate the **XELLIPMedia** number in the following format: < sip: extension_number@PC_IP_address >
 - Server registration mode
 - Not used in this case

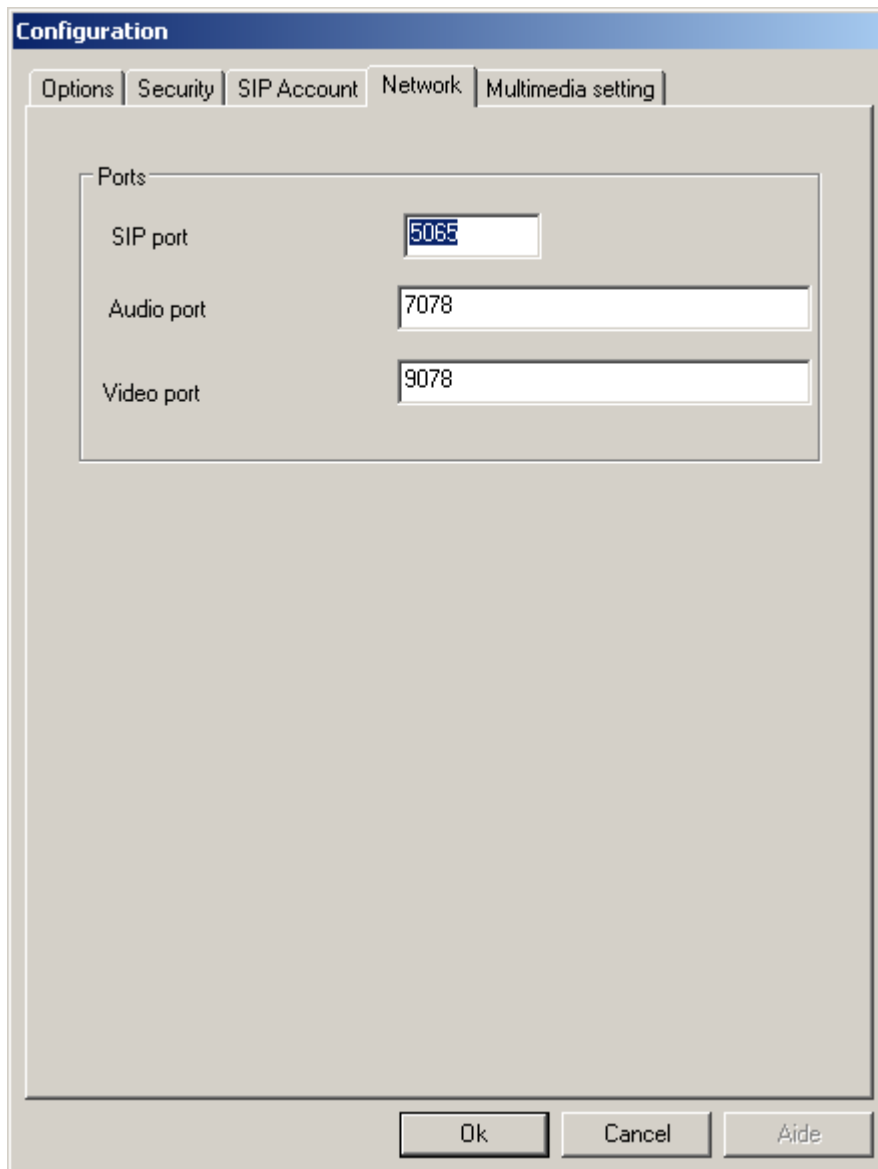
*Example: XELLIPMedia is configured with NOMAFF as the display name and NUMEROEXT as the extension number, in which case its complete identity is:
NOMAFF < sip: NUMEROEXT@192.168.49.66 > in standalone mode*

- Use a SIP server:
 - SIP identity: SIP identity of **XELLIPMedia** in relation to the server. This field must have the following format: *sip: number@IPaddress*

- Server address: Address of the SIP server in the following format: sip: IPaddress:port
- Path (server address): Optional gateway for the server
- Registration period: Period for registration with the SIP server in order to indicate a possible disconnection.
- Register when starting up: Automatic registration when starting the application
- Password: Password associated with the SIP identity.

Network

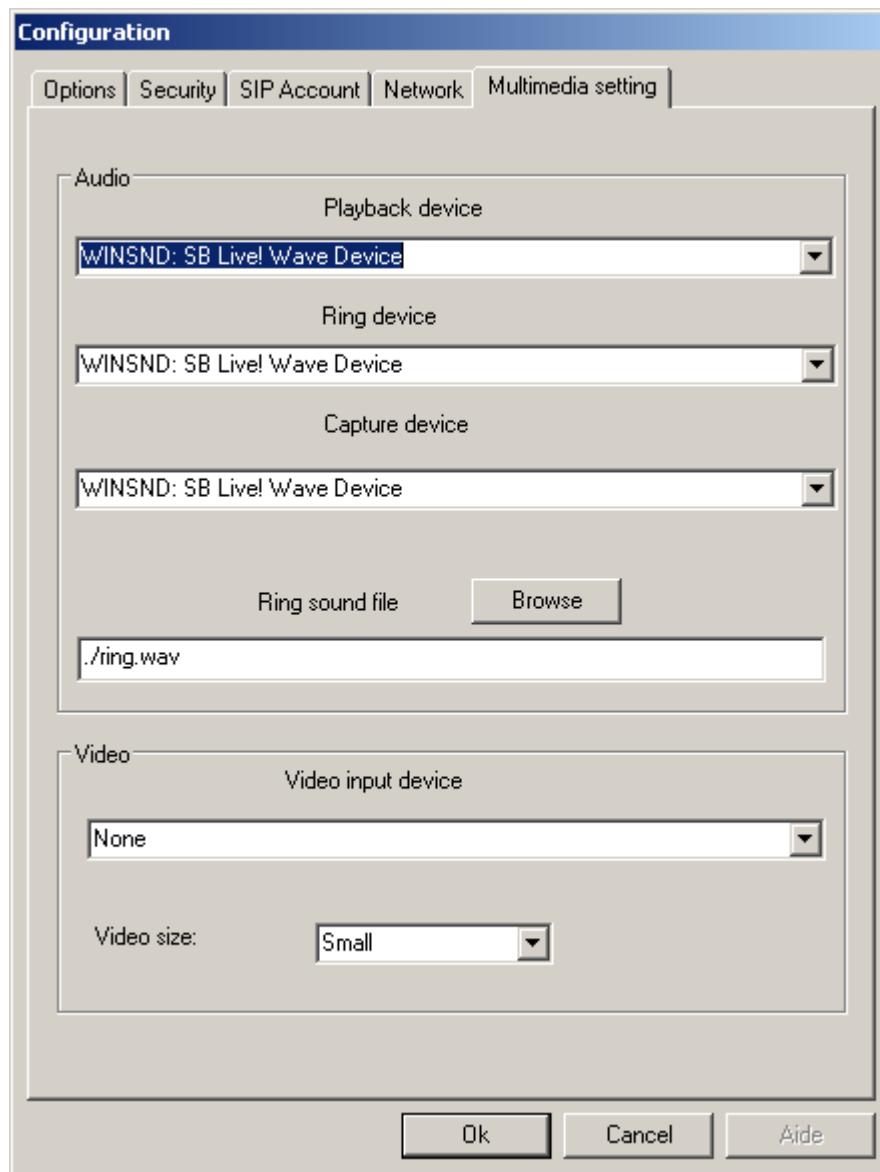
This tab allows you to configure the network parameters of **XELLIPMedia**



- SIP port: Port number used by **XELLIPMedia** for its SIP connection. Default: 5060
- Audio port: Port number used by **XELLIPMedia** audio for the RTP protocol (default: 7078)
- Video port: Port number used by **XELLIPMedia** video for the RTP protocol (default: 9078)

Multimedia

This tab allows you to configure the multimedia parameters of **XELLIPMedia**

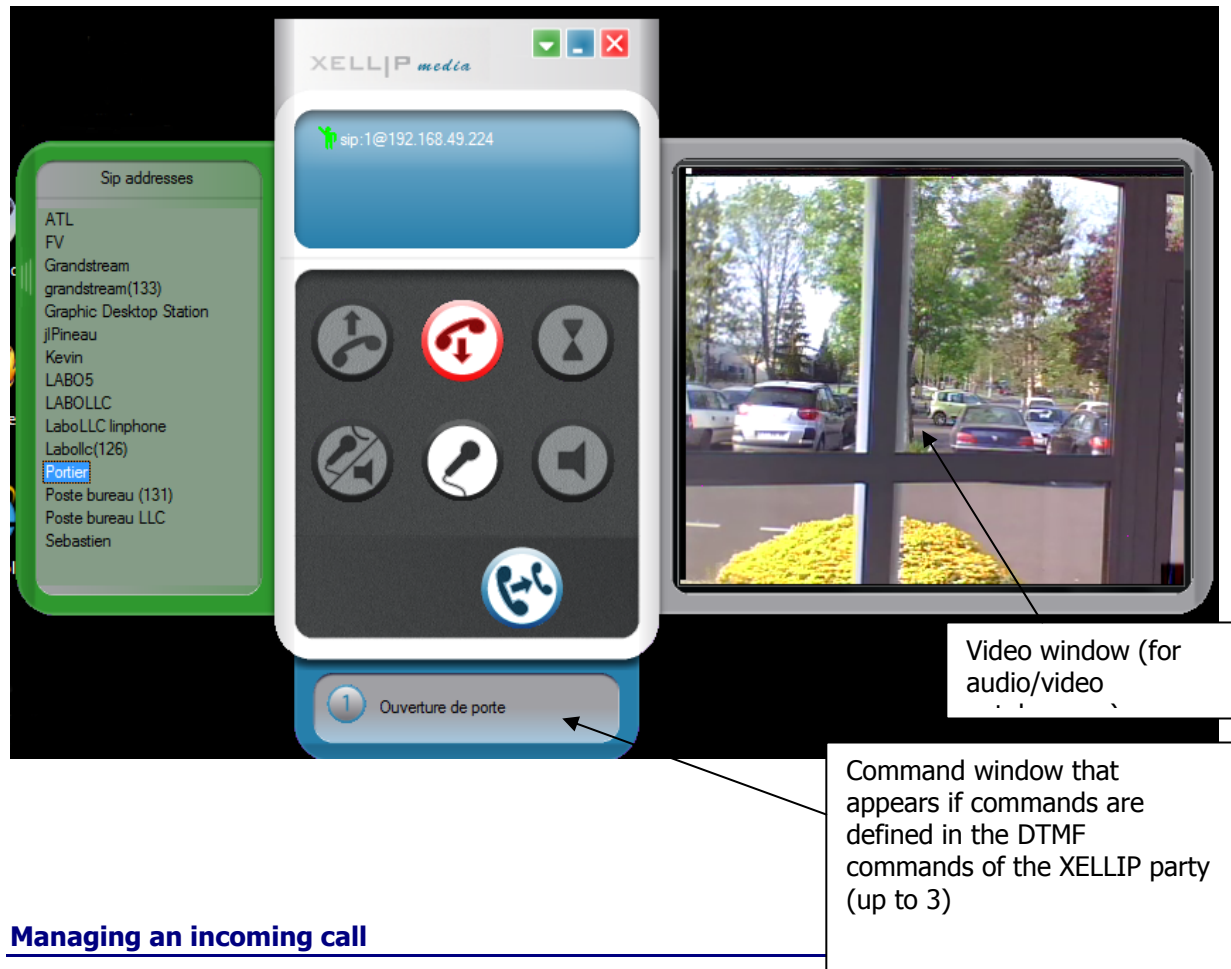


- Listening peripheral: Peripheral used to listen to the other party during communication.
- Ringng peripheral: Peripheral used to generate the ringtone
- Input peripheral: Peripheral for inputting sound for the other party. (Normally the microphone)
- Ringtone file: WAV file which contains the ringtone for **XELLIPMedia** (16 bits)
- Video input peripheral: Camera
- Screen size: Small, medium or large

Using the application

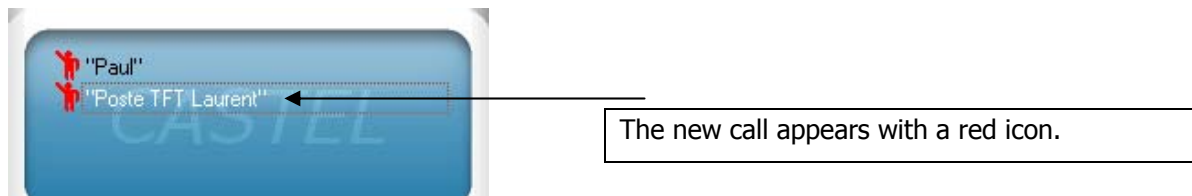
Making a call

To make a call, simply double click on a contact in the contact list (or else right click on the contact and select call from the menu).



Managing an incoming call

When XELLIPMedia receives a call, the call appears in the call/communication window:




When a gatekeeper calls XELLIP Media, the new call is displayed in the call list with a red icon. The call management buttons are then enabled and can be used to manage the call. In the event of receiving several simultaneous calls, you can select one call by left clicking on the station display.



The  button allows you to take a call and establish communication.



The  button allows you "reject the call", ending it without picking up. A busy message is then sent to the gatekeeper.

Forwarding your station

You can forward calls to another recipient by enabling forwarding.

To do so, select the call recipient from the directory, then enable forwarding by clicking on the




forwarding button .
All calls are then redirected to this new recipient.


When making or receiving a call

Muting the station microphone



When the  button is pressed, the operator will not be heard by the gatekeeper.

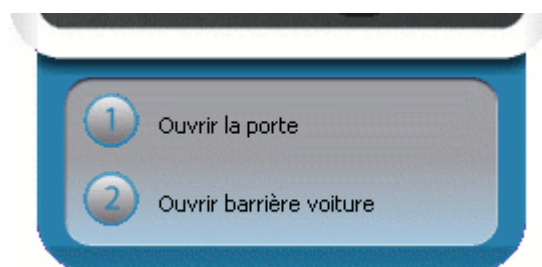


The  button shows that the station microphone is muted.

Running a command

You can run one or more commands from **XELLIPMedia**. For this purpose, you must have configured them previously from the web server of the XELLIP station. In this way, you can configure up to three commands that can be used from **XELLIPMedia**.

These commands appear in a secondary window displayed under the main window:



The window is resized according to the number of commands to be displayed, and will appear smaller for one or two commands.

You can then click on the button corresponding to the desired command in order to run it.

Transferring a call

First, select a party from the directory list and click on the



button. This allows you to transfer the current call to another contact.

You can also transfer a call by right-clicking on the transfer recipient in the "Transfer" menu.

