

ALCATEL

business phones



Temporis IP80

User's guide

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1. Basic Description

Temporis IP80 is a SIP based IP video door phone solution. Its robustness, flexibility and wide interoperability make it ideal for any business environment.

We can highlight the following features :

- Voice & image based on full SIP protocol
- Autofocus IP Camera
- White LED for automatic lighting of camera
- WEB management
- Firmware upgradeable from the web interface
- Video streaming : http jpg / http mjpg , H.263 and H.264
- PoE or external power supply
- Ethernet – 10/100Mb
- SIP connection: P2P or IPBX network system
- Two 25-digit dial-up numbers (or IP address)
- Day/night switching mode
- Call duration extension by pressing * or #
- 2 relays to connect two independent locks or to control, with the second relay, another device such as camera, lighting, delayed opening etc ...
- Two codes controlling communication hang up
- Two codes to trigger the 2 relays
- Integrated heating of printed circuit
- Permanent green backlight of the button
- Operating system – Linux 2.6
- Fully integrated with Temporis IP family
- Supplied with Atlinks Temporis Pop-up videosoftphone

Please read through this guide for a better knowledge on available functionalities and configuration capabilities you can have access to with Temporis IP80.

2. Installation

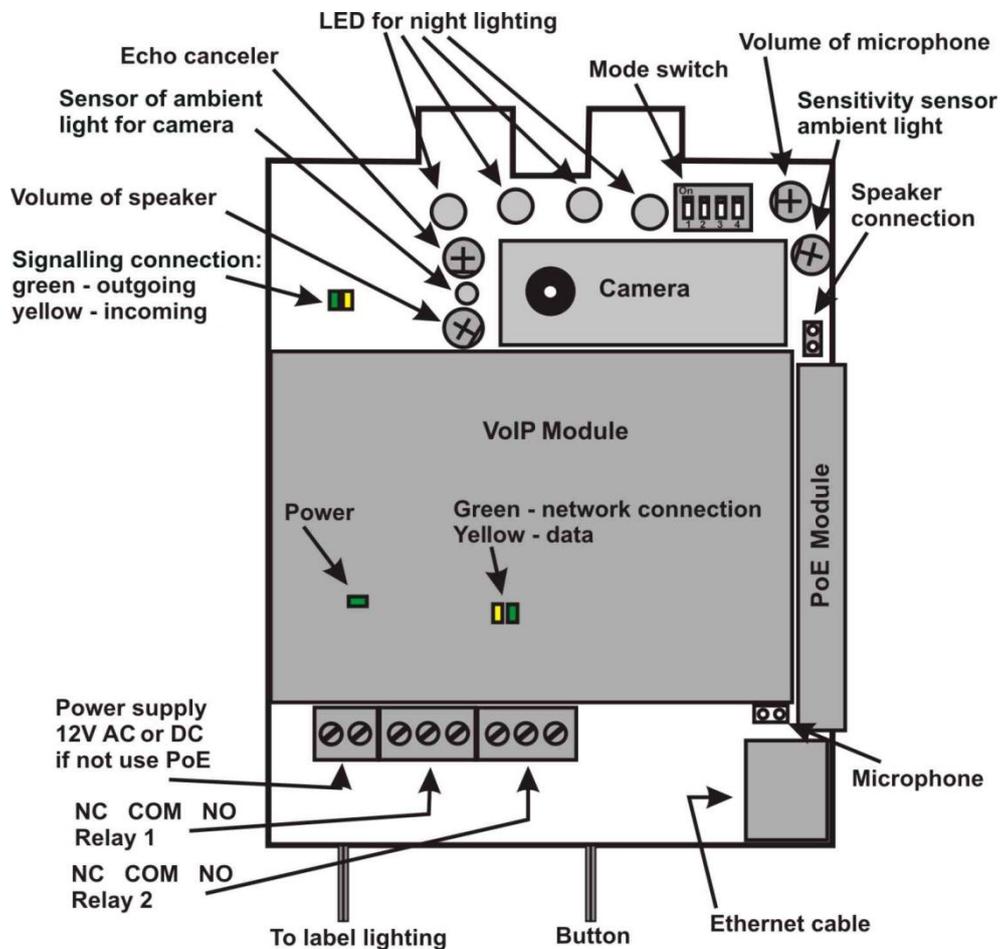
2.1. Packing list

The following components are included in your package:

- Temporis IP80
- Kit for wall mount
- Key to open the unit
- Name label
- Mini CD including user guide, Temporis Pop-up softphone, datasheets

2.2. Modules

Temporis IP80 is composed of an IP module, assembled with the mother board, the PoE module and the IP camera module (picture 1)



Picture 1. Basic module – mother board

2.3. PoE or Power Supply

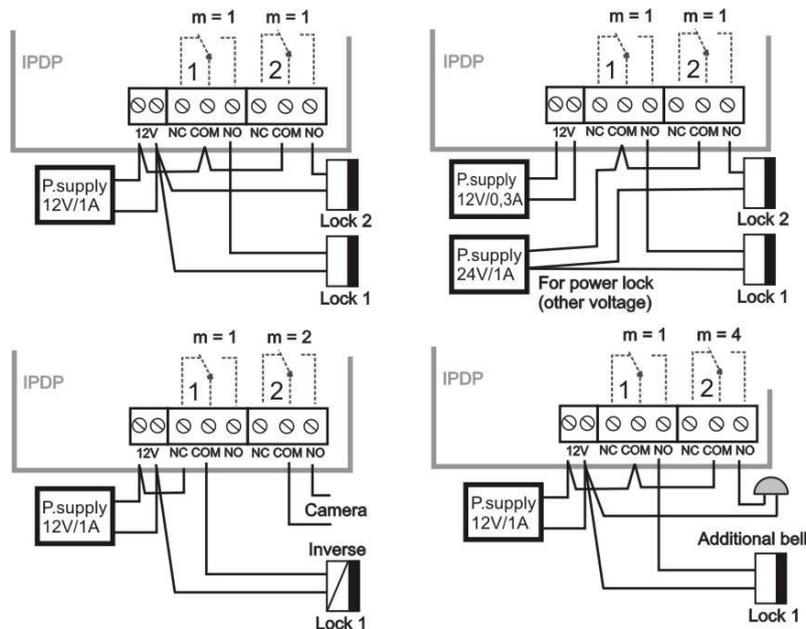
Temporis IP80 works either with the PoE power from the switch or with an external AC or DC power supply. The voltage must rate between 10 to 14V, the electric current doesn't exceed 300mA.

2.4. Relay Connection

Relay connection is shown on picture 2. Where

- **NO** indicates the contact which is normally open (in idle)
- **COM** indicates the common contact (middle)
- **NC** indicates the contact which is normally closed (in idle)

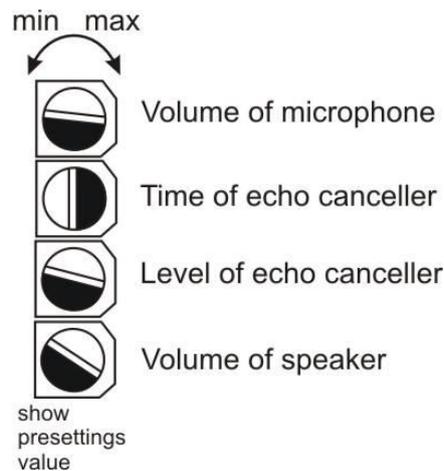
The contacts in both switches are galvanically insulated from each other and from the circuits.



Picture 2. Examples of relays connections

2.5. Acoustic settings

Trimmers positions are settled in factory and in most cases will not need to be changed. Basic position, direction of rotation and meaning of the trimmers are illustrated on picture 3.



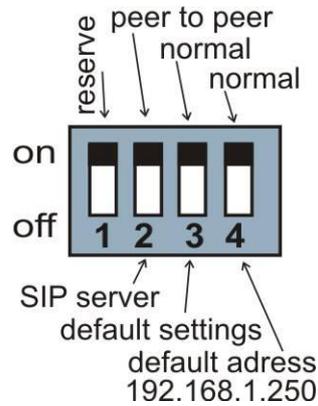
Picture 3. Trimmer Setting

2.6. DIP Switch

For DIP switch setting basic operation and default setting see picture 4.

DIP switch enables

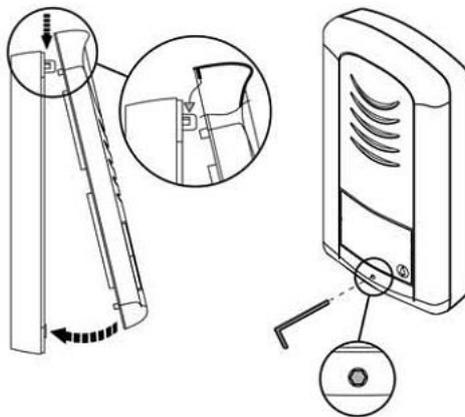
- to configure P2P mode or SIP server mode,
- to get back to the default settings (this switch must be placed back to normal position after reboot)
- to set the default IP address.



Picture 4. DIP switch settings

2.7. Open and close the cover

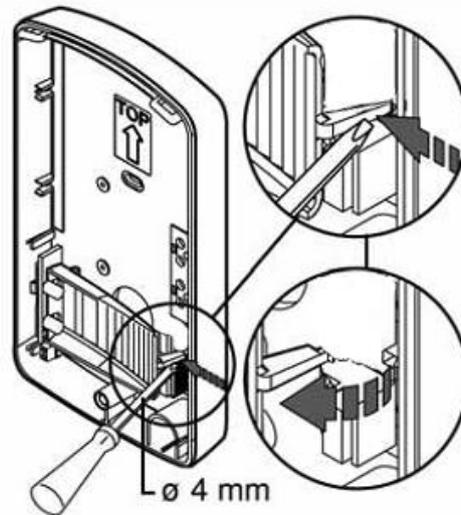
Use the tool included in the package to screw/unscrew the front cover as shown on picture 5.



Picture 5. Cover installation

2.8. Dismounting nameplate lighting module

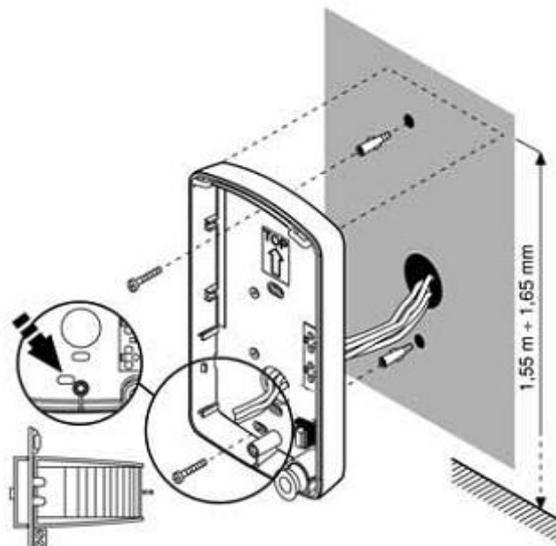
Proceed as shown on picture 6 to dismount the nameplate lighting module to access to the back hole.



Picture 6

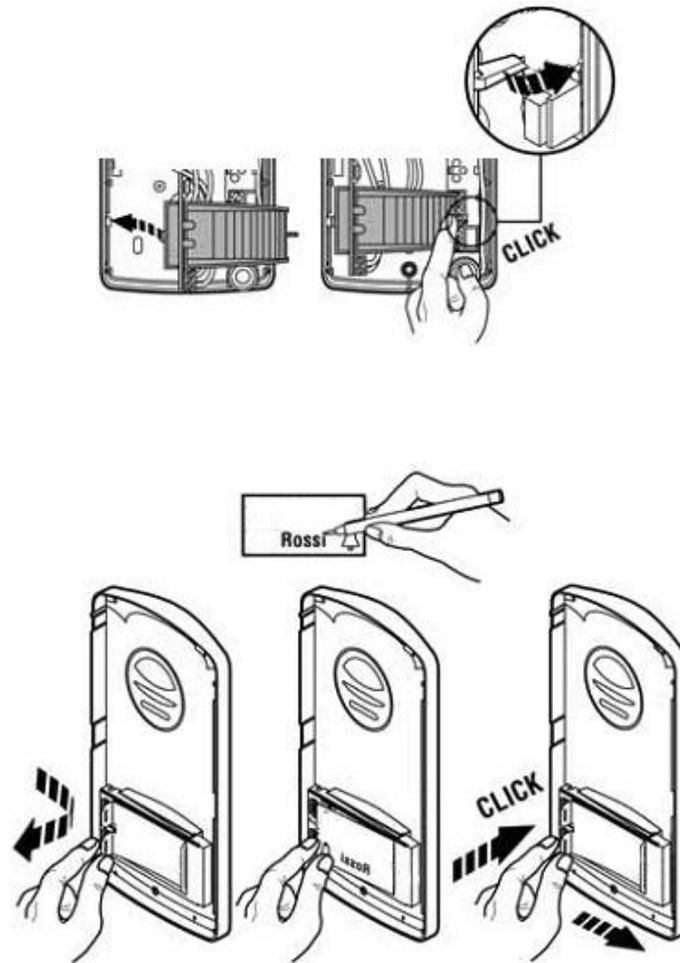
2.9. Wall mounting

Use the provided dowels to wall mount Temporis IP80.



Picture 7

2.10. Put back name plate lighting.



Picture 8

2.11. Acoustic signalling

The following table shows the acoustic signals that occur during operations.

Condition	Tones	Tone frequencies
Off-hook	■-■-■-■-	425-850-1275
Hang-up	-■-■-■-	1275-850-425
Report after calling	■-■-■-■-	425-850-1275
End of call notification	-■-■-■-	1275
Parameter confirmation	--■--	
Power up (reboot)	-■-■-■-	1275-850-1275
Error	-■-■-■-■-■-■-	425....
Empty memory (no set number)	-■-■-■-■-■-	850-1275-1700...

3. Visitor at the door

3.1. Incoming calls

Incoming calls from IPBX or SIP phone towards Temporis IP80 are authorized. When there is an incoming call, Temporis IP80 will ring (1 to 5 times) depending on what has been programmed in « Time parameters » section (§4.9).

Call is answered automatically. Thus the caller is able to talk and trigger the relays.

3.2. Outgoing calls

As soon as user presses the button Temporis IP80 initiates a call to a pre-set dial up number.

Temporis IP80 button is associated to 2 different dial-up numbers (see §4.10), and can be configured to work in two different modes:

- **Main/Backup mode:** if the main destination number is busy or the call is rejected, Temporis IP80 will call the backup number saved in §4.10.
- **Day/night mode:** Temporis IP80 will dial the number programmed in §4.10 which corresponds to the current active mode-either day or night.

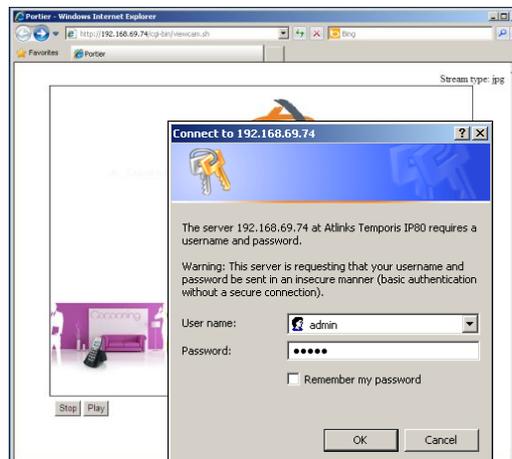
Once the call is launched called party device will ring. Called party can answer the call, have a conversation and trigger the relays.

Call duration is limited by Temporis IP80 to 2 minutes by default. 10 seconds before the end, Temporis IP80 generates a beep. The conversation can be extended by dialling * or # from the SIP device.

4. Parameter setting

4.1. Access Temporis IP80 web interface

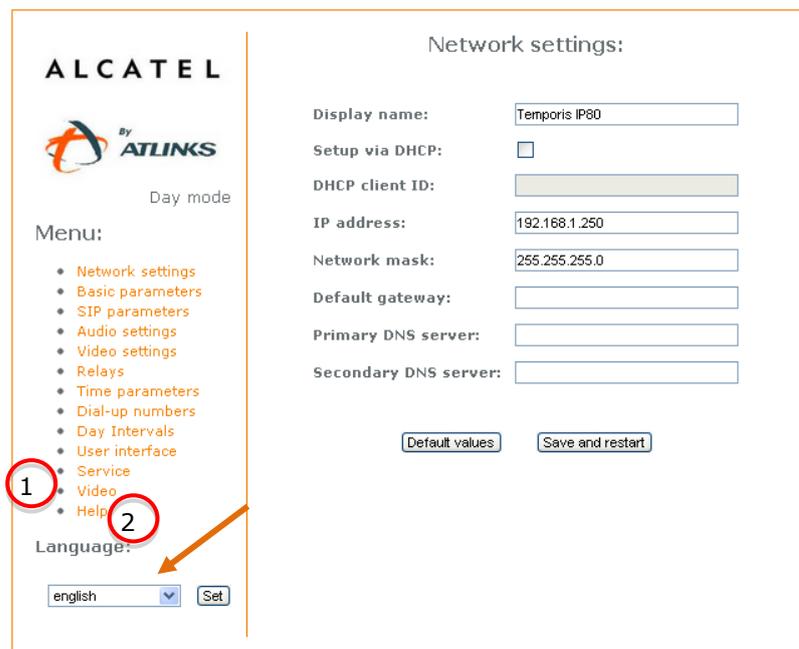
Open a web browser, enter Temporis IP80 IP address, (by default it is **192.168.1.250**). Enter user name and password (default values are admin/admin).



Picture 9. Home page & Login to setup

4.2. Language selection

Select « **Language** » in the left panel menu and choose the desired language. Then click on « **Set** » button.



1: Displays Temporis IP80 camera video stream

2: Displays help screen

4.3. Network settings: DHCP or fixed IP mode

In **Network settings** menu, it is possible to use DHCP automatic setup or manually enter IP parameters.

Manual configuration :

The screenshot shows the Alcatel network settings interface. On the left, there is a sidebar with the Alcatel logo and 'By ATLINKS' branding. Below the logo, it says 'Day mode'. A 'Menu:' section lists various settings: Network settings (highlighted in orange), Basic parameters, SIP parameters, Audio settings, Video settings, Relays, Time parameters, Dial-up numbers, Day Intervals, User interface, Service, Video, and Help. At the bottom of the sidebar, there is a 'Language:' section with a dropdown menu set to 'english' and a 'Set' button. The main content area is titled 'Network settings:' and contains the following fields: 'Display name:' (Temporis IP80), 'Setup via DHCP:' (checkbox, unchecked), 'DHCP client ID:' (empty text box), 'IP address:' (192.168.1.250), 'Network mask:' (255.255.255.0), 'Default gateway:' (empty text box), 'Primary DNS server:' (empty text box), and 'Secondary DNS server:' (empty text box). At the bottom of the main area, there are two buttons: 'Default values' and 'Save and restart'.

By default the IP address is 192.168.1.250. You may change all the parameters in this page ; default setting can be recovered by clicking on "default values" button.

Once done, click on "save and restart" button to save your settings.

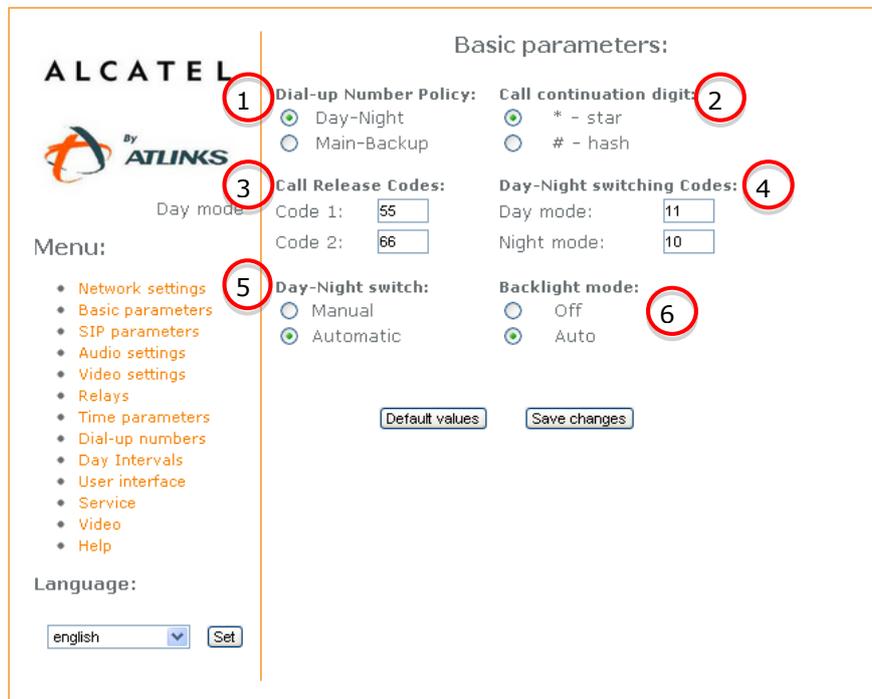
DHCP configuration :

The screenshot shows the Alcatel network settings interface in DHCP configuration mode. The sidebar is identical to the previous screenshot, but the 'Day mode' text is circled in red and labeled with a '3'. The main content area is titled 'Network settings:' and contains the following fields: 'Display name:' (Temporis IP80), 'Setup via DHCP:' (checkbox, checked, circled in red and labeled with a '1'), 'DHCP client ID:' (Temporis IP80), 'IP address:' (192.168.5.250), 'Network mask:' (255.255.255.0, circled in red and labeled with a '2'), 'Default gateway:' (192.168.5.1), 'Primary DNS server:' (65.10.50.7), and 'Secondary DNS server:' (65.10.43.4). At the bottom of the main area, there are two buttons: 'Default values' and 'Save and restart'.

- 1: Enable/disable network settings via DHCP
- 2: DHCP assigned IP address and other settings are shown
- 3: Show Temporis IP80 mode – Day/Night

Important: if you choose DHCP setup, an IP address will automatically be assigned to **Temporis IP80**. Thus only a network administrator can tell you the actual IP address. You need this IP address to access the web interface or video streaming. Since IP address assignment may change in DHCP mode (e.g. after a power failure), use of fixed IP address is recommended.

4.4. Basic parameters



- 1:** Select between **Day-Night** mode and **Main-Backup** modes for the dial-up numbers.
- 2:** Extend call duration by pressing * or # (10 sec before call end Temporis IP80 will send a signal, the called party can extend the call by pressing * or #)
- 3:** Enter the desired codes to hang-up the call. By default they are the same as the relay trigger codes but they can be different.
- 4:** Enter the desired codes to switch between Day and Night modes.
- Note:** Switching between Day and Night mode remains in IP80 memory even after power supply failure.
- 5:** Select manual or automatic Day-Night mode switching. When Automatic is selected a new item will appear in the Menu called "Day Intervals" (see §4.11). Please note NTP server must be enabled for this feature to work.
- 6:** In Auto mode backlight leds will be turned on if dim or dark background is detected.

4.5. P2P or SIP registration on IPBX

Temporis IP80 can be set to peer-to-peer or SIP server mode thanks to the internal DIP switch (see § 2.5. DIP Switch).

In P2P mode, Temporis IP80 calls an IP address saved in «**Dial-up numbers**» (see §4.10).

If you set Temporis IP80 to SIP server mode, you will have to fill in the SIP parameters menu.

ALCATEL
By **ATLINKS**
Day mode

Menu:

- Network settings
- Basic parameters
- SIP parameters
- Audio settings
- Video settings
- Relays
- Time parameters
- Dial-up numbers
- Day Intervals
- User interface
- Service
- Video
- Help

Language: english [v] [Set]

SIP parameters:

SIP proxy server Address: domain.net Port: 5060 **1**

SIP registrar server Address: domain.net Port: 5060

Outbound proxy Address: Port: 5060

Account Name: 1234567890 Password: SIPpassword Auth. Id: SIPlogin Expiration [sec]: 600 **2**
Registration successful

Use 180 Ringing: **3**

Use 183 Session progress:

Enable Symmetric RTP:

Send DTMF as SIP INFO:

Send DTMF according to RFC2833: **4**

[Default values] [Save changes]

1: SIP proxy and registrar IP address or domain names and port (usually 5060 or 5061)

2: SIP account data to register on the server

3: Additional SIP parameters

4: Not used in current version of Temporis IP80

4.6. Audio settings

The screenshot shows the Alcatel SIP settings interface. On the left, there is a sidebar with the Alcatel logo, the text 'By ATLINKS', and 'Day mode'. Below this is a 'Menu:' section with a list of settings: Network settings, Basic parameters, SIP parameters, Audio settings, Video settings, Relays, Time parameters, Dial-up numbers, Day Intervals, User interface, Service, Video, and Help. At the bottom of the sidebar is a 'Language:' section with a dropdown menu set to 'english' and a 'Set' button. The main content area is titled 'Audio settings:' and contains four priority settings, each with a dropdown menu: Priority 1: G711μ, Priority 2: G711a, Priority 3: G726-32bit, and Priority 4: GSM. At the bottom of the main area are two buttons: 'Default values' and 'Save changes'.

Choose the audio codec priority for SIP calls. You can also disable a codec by choosing “-----”
Available codecs are:

- G711μ
- G711a
- G726
- GSM

4.7. Video settings

The screenshot shows the Alcatel SIP settings interface for video settings. The sidebar is identical to the audio settings page. The main content area is titled 'Video settings:' and contains several settings: 'Image size:' with a dropdown menu set to '320 x 240' (circled with a red '1'), 'Frames per sec.:' with a dropdown menu set to '2', 'Brightness:' with a slider set to 50, 'Contrast:' with a slider set to 50 (circled with a red '2'), 'Colour:' with a slider set to 64, 'Hue:' with a slider set to 0, and 'Gamma:' with a slider set to 25. Below these are two video codec priority settings, each with a dropdown menu: 'Video codec priority 1:' set to 'H263' and 'Video codec priority 2:' set to 'H264' (circled with a red '3'). At the bottom of the main area are two buttons: 'Default values' and 'Save changes'.

1: Video resolution and frame rate

2: Video correction parameters

3: Choose the video codec priority for SIP calls. You can also disable a codec by choosing “-----”

4.8. Relay management

The screenshot shows the 'Relays' configuration page. On the left is a navigation menu with options like 'Network settings', 'Basic parameters', 'SIP parameters', 'Audio settings', 'Video settings', 'Relays', 'Time parameters', 'Dial-up numbers', 'Day Intervals', 'User interface', 'Service', 'Video', and 'Help'. The 'Relays' section is currently selected. The main area is divided into 'Relay 1' and 'Relay 2' settings. Red circles are drawn around the following fields: 'Relay 1 Mode' (value 1), 'Relay 1 Activation code from phone' (value 55), 'Relay 1 Relay closing [sec]' (value 05), 'Relay 1 Incoming call control' (checked checkbox), and 'Relay 2 Delay between 1 and 2 in mode 5' (value 10). Buttons for 'Default values' and 'Save changes' are at the bottom.

1: Relay mode:

Possible values are 1 to 5, with the following meaning :

1: trigger mode: the relay is activated by the called party for the "Relay closing" time duration (eg: electrical locks, door opening ...). If the called party is using a phone, he must dial the corresponding code. By default 55 for the relay 1 and 66 for the relay 2.

2: Camera mode: The relay is activated automatically during the call and released immediately when the call is over (eg: external camera)

3: Lighting mode: The relay is activated automatically during the call and released after the "Relay closing" timeout starting from the moment the call is over (eg: external lighting)

4: Bell mode: The relay is activated when you press the button and released after the "Relay closing" timeout (eg: external bell).

5: Sequential opening mode (only for relay 2): in this mode the relay 2 is activated some time after the relay 1 has been released.

2: Activation code from phone: DTMF code to be dialed from a phone during the conversation which will trigger the relay.

3: Duration of relay closing in seconds (2 digits [01-99])

4: Incoming call Control: to prohibit the relay control by an incoming call when the relay is already in operation.

5: Delay (in seconds) between the release of relay 1 and the automatic activation of relay 2 when the relay 2 is configured in mode 5 (2 digits [01-99]).

4.9. Time parameters

The screenshot shows the 'Time parameters' configuration page in the Alcatel ATLINKS web interface. The page is titled 'Time parameters:' and contains several configuration fields. On the left, there is a navigation menu with options like 'Network settings', 'Basic parameters', 'SIP parameters', 'Audio settings', 'Video settings', 'Relays', 'Time parameters', 'Dial-up numbers', 'Day intervals', 'User interface', 'Service', 'Video', and 'Help'. Below the menu is a 'Language:' dropdown set to 'english' and a 'Set' button. The main configuration area on the right has the following fields:

- 1: Maximum call duration [min]: 2
- 2: Number of rings: 1
- 3: Time hang up before redial [sec]: 2
- 4: Time before redial [sec]: 10
- 5: Audio signaling - opening/closing:
- 6: Audio signaling - other tones:

At the bottom of the configuration area, there are two buttons: 'Default values' and 'Save changes'.

1: Maximum call duration before Temporis IP80 hangs up automatically. 10 seconds before hanging-up, Temporis IP80 generates a beep. It's possible to extend the call duration by pressing * or # (depending on the configuration, see §4.4).

2: When calls from IPBX to Temporis IP80 are authorised, you can set the number rings before Temporis IP80 picks-up the call. The number of rings can be set from 1 to 9.

3: Time (sec) Temporis IP80 will hang-up before redialling when the called party is busy (range [1-5]).

4: Time (sec) Temporis IP80 will stay in calling mode (hear the ring back tone) before hanging-on then redialing, when the called party doesn't answer (range [10-99]).

5: Enable/disable the acoustic signalling of **pick-up** and **hang-on** actions.

6: Enable/disable the acoustic signalling of other actions, like relay activation,...

4.10. Dial-up Numbers

1:Day/Main is the number that will be dialed when user presses IP80 button while the device is in Day mode. It is also the number that will be dialed initially when in Main/Backup mode.

2:Night/Backup is the number that will be dialed when user presses IP80 while the device is in Night mode. It is also the number that will be dialed automatically if in Main/Backup mode and the call to Main is rejected

By default Dial-up Numbers are empty.

When using P2P mode, you should enter your destination IP address e.g . « **192*168*1*250** », where « * » means « . » ,

When using SIP proxy server mode, you can save extension numbers e.g. « **1234** ».

4.11. Day Intervals

When Automatic switching between day and night mode is selected (see §4.4) this menu becomes available in the menu list.

Fill in the day intervals for each day of the week. The remaining intervals will be considered as night mode.

Note: Time server must be up and running (see §4.12)

4.12. User interface

ALCATEL
by **ATLINKS**
Day mode

Menu:

- Network settings
- Basic parameters
- SIP parameters
- Audio settings
- Video settings
- Relays
- Time parameters
- Dial-up numbers
- Day Intervals
- User interface
- Service
- Video
- Help

Language:
english [v] [Set]

User interface:

Video on start page: 1

Protect video by password: 2

Video surveillance (H.264): 3

Push video:

Web interface tcp port: 80 4

Enable telnet: 5

[Default values] [Save and restart]

- 1:** Displays the video on login page
- 2:** Requires the password to display the video stream. Only a web browser will be able to display video
- 3:** Enables video surveillance using codec H.264
- 4:** Modifies the web interface port
- 5:** Enables telnet service

4.13. Service

- 1: Shows current firmware version
- 2: Shows the different logs:
 - Download event log (All logs)
 - Show call log (incoming and outgoing call log)
 - Show register log (all the logs related to SIP registration)
 - Show VoIP log (All VoIP traces)
- 3: NTP server and time zone
- 4: External Syslog server
- 5: Firmware upgrade: click on "browse", select the firmware file then press "save".
- 6: Language upgrade
- 7: Save current configuration in a file.
- 8: Upload a configuration file
- 9: Change the admin password

5. Electrical Parameters

Parameter	Value	Conditions
Communication interface	Ethernet 10Base-T, 100Base-TX	
VoIP protocol supported	SIP	
Bandwidth	300Hz – 3400Hz	
Power supply	12V ± 2V AC or DC	
Max. consumption	300mA	12Vss
Max. voltage of switch contact	48V	at I < 1A
Max. current of switch contact	2A	at U < 30 V
Operational temperature	- 20 to + 50°C	

6. WARRANTY

Please read carefully the user's guide included in this package.

This product is certified as conforming to European technical standards, as evidenced by the CE Mark affixed thereto.

The product you have just bought is a technological product, which must be handled with care.

UK legislation, including Sale of Goods Acts and regulations, imply certain conditions which may apply to the product you have purchased from the retailer (statutory warranty). These include conditions relating to quality.

For information concerning the statutory warranty, please consult the retailer who sold the product to you (seller).

Without prejudice to any statutory warranty from which the product benefits, ATLINKS Europe whose registered office address is at 22 quai Gallieni 92150 Suresnes France warrants that the product contained in this package complies with the technical specifications set forth in the user's guide, during a warranty period commencing on the date of purchase of an unused Product, which shall be presumed to be the date appearing on the invoice or the receipt issued by the seller, upon which appears the seller's name and continuing for:

Twenty-four (24) months for the telephone, excluding consumables, accessories and batteries.

Together with any claim made under this warranty during the warranty period, the complete Product must be returned to the seller as soon as the defect appears or is discovered, together with proof of purchase, consisting of an invoice or receipt issued by the seller specifying the place of purchase and the serial number of the Product.

Any Product or Product part found, during the warranty period, to have a defect in design, materials or workmanship shall be repaired or replaced, at no cost to you, by a product or part that is identical or at least equivalent in terms of function and performance. If repair or replacement is not possible on a commercially reasonable basis, ATLINKS will refund the purchase price of the Product or replace the Product by an equivalent product.

The repaired or replaced Product or part, which, may be new or refurbished, shall be under warranty for a period of ninety (90) days from the date of repair or replacement, or until the end of the initial warranty period if that exceeds the said ninety (90) days; the warranty period shall also be extended by any period exceeding six days between the date the defective Product is delivered to the seller and the date that the repaired or replaced Product is placed at your disposition.

This warranty does not apply in case of:

- damage caused by installing or using the Product otherwise than in accordance with the instructions contained in the user's guide;
- improper connection or abnormal use of the Product, in particular together with incompatible accessories, as stipulated in the user's guide;
- a Product that has been opened, modified or fitted with unapproved replacement parts;
- removal of the serial number or defacement rendering the serial number illegible;
- normal wear and tear, including normal wear and tear of accessories, batteries and screens;
- non-compliance with technical and safety standards in force in the geographical area of utilization;
- Products having suffered an impact or a fall;
- damage caused by lightning, power surge, proximity to a source of heat or radiation, water damage, exposure to excessive temperature, humidity or other environmental conditions or any other cause external to the Product;

- negligent or defective maintenance;
- damage caused by servicing, modification or repair performed by any person other than an authorized ATLINKS service provider.

If the returned Product is not covered by the warranty, you will receive a repair estimate giving the processing cost and the transport fees that will be charged if you wish the Product to be returned to you.

This warranty is applicable where the Product is lawfully purchased, in the United Kingdom.

All warranties other than the warranty set forth herein are expressly excluded. Nothing in this warranty shall exclude or limit conditions or warranties implied by law including the statutory warranty.

ATLINKS shall:

- (a) only be responsible to you for losses suffered by you that are a foreseeable consequence of a defect in the Product;
- (b) not be responsible to you for losses that result from a defect in the Product which fall into the following categories:
 - (i) loss of income or revenue;
 - (ii) loss of profit;
 - (iii) loss of business;
 - (iv) loss of anticipated savings;
 - (v) loss of data;
 - (vi) any waste of time; or
 - (vii) downtime or loss of use;

However this clause shall not prevent claims for foreseeable loss of, or damage to, your physical property;

Nothing in this warranty excludes or limits in any way ATLINKS liability for:

- (i) death or personal injury caused by our negligence;
- (ii) fraud or fraudulent misrepresentation;
- (iii) any breach of the obligations implied by section 12 of the Sale of Goods Act 1979 or section 2 of the Supply of Goods and Services Act 1982;
- (iv) defective products under the Consumer Protection Act 1987; or
- (v) any other matter for which it would be illegal or unlawful for ATLINKS to exclude or attempt to exclude liability.

Declaration of conformity for the European Community

ATLINKS declares that the Temporis IP80 complies with the relevant basic requirements and provisions of the European directive 1999/5/CE. You can download the declaration of conformity from the following address: **www.atlinks.com**.

The CE logo shown on the products indicates that they are compliant with the basic requirements of all the applicable directives.



Environment



This symbol means that your inoperative electronic appliance must be collected separately and not mixed with the household waste. The European Union has implemented a specific collection and recycling system for which producers are responsible.

This appliance has been designed and manufactured with high quality materials and components that can be recycled and reused.

Electrical and electronic appliances are liable to contain parts that are necessary in order for the system to work properly but which can become a health and environmental hazard if they are not handled or disposed of in the proper way. Consequently, please do not throw out your inoperative appliance with the household waste. If you are the owner of the appliance, you must deposit it at the appropriate local collection point or leave it with the vendor when buying a new appliance.

(a)- If you are a professional user, please follow your supplier's instructions.

(b)- If the appliance is rented to you or left in your care, please contact your service provider.

Please help us protect the environment in which we live!



ATLINKS Europe 22, Quai Gallieni - 92150 Suresnes - France

S.A.S. (Simplified Jointed Stock Company) with capital of 500 000 euros - Registration number: 508 823 747 R.C.S. Nanterre

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