

# DoorPhone VoIP

*Slim IPDP – 01*

*Slim IPDP – 02*

*Slim IPDP – 01C*

*Slim IPDP – 02C*

*Slim IPDP – 01C antivandal*



Installation and Operating Instructions



## Welcome

We congratulate you on purchase of “**Slim IP Door phone -VoIP**” (VoIP = Voice over IP), which is the improved version of successful “New DoorPhone” (NUDV). This DoorPhone VoIP will widely manage to satisfy your needs of communication with persons at the building front door or your company entry, or family house doorway. The universality lies in possibility to connect this guard to an Ethernet network or VoIP exchange or directly to SIP server through internet connection.

The basic DoorPhone VoIP module ***Slim IPDP-01*** is supplied with 1 button, ***Slim IPDP-02*** is supplied with 2 buttons The next version of basic VoIP modules (***Slim IPDP-01C*** and ***Slim IPDP-02C*** or ***Slim IPDP-01C antivandal***) is with integrated colour camera.

The Doorphone is supplied from AC/DC powersupply 12V or receives power through the PoE (Power over Ethernet) technology. No additional cabling for power is therefore necessary. The basic features include the possibility to open up to two doors by means of connected electrical locks (the buttons can be used for door code opening). IPDP is configured over an integrated web server, which can be controlled from any web browser, e.g., IE, Mozilla Firefox.



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# 1 **Basic Description**

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## 1.1 **Features**

- Ø Voice communication is supplied only from telephone line
- Ø Two 25digit numbers (IP adress) with each button
- Ø Day/night switching
- Ø Possibility of the call extension by \* or # choice
- Ø Possible to connect two independent locks for door opening
- Ø Possible use of 5 switch modes (e.g. camera, lighting, gradual opening)
- Ø Two codes for hanging up the doorphone from telephone
- Ø Two codes for door opening from telephone
- Ø Six code locks (password from buttons at the door)
- Ø Integrated heating of printed circuit
- Ø Power supply 12V AC/DC, 500mA max or PoE technology
- Ø White LED for automatic lighting for camera
- Ø Permanent lighting through visiting cards
- Ø Included color camera (autofocus)
- Ø Ethernet – 10/100Mb with standard 10BaseT a 100BaseTx
- Ø Web server for remote configuration – BOA
- Ø Operating system – Linux 2.6
- Ø USB for connection internal camera – USB guest 1.1, software GSPCA software for video transmission to the browsers in PC – W3CAM(J-PEG, RTSP Stream) and stream H.263
- Ø SIP connection P2P or PBX network system
- Ø WEB – firmware upgradeable
- Ø WEB – interface for control and setup parameters

## 1.2 Terminology

- **Ethernet** is a family of frame-based computer networking technologies for local area networks (LANs).
  - A **local area network (LAN)** is a computer network covering a small physical area, like a home, office, or small group of buildings, such as a school, or an airport
  - **10BASE-T** runs over four wires (two twisted pairs) on a Category 3 or Category 5 cable.
  - **100BASE-TX** Uses two pairs, but requires Category 5 cable (FastEthernet)
  - **Twisted pair** cabling is a form of wiring in which two conductors (the forward and return conductors of a single circuit) are twisted together for the purposes of canceling out electromagnetic interference (EMI) from external sources.
  - **UTP** (unshielded twisted pair) cable is not surrounded by any shielding.
  - **STP** (shielded twisted pair) cables are often shielded in attempt to prevent electromagnetic interference.
  - The **World Wide Web** (commonly abbreviated as the "**Web**") is a system of interlinked hypertext documents accessed via the Internet.
  - **Hypertext Transfer Protocol (HTTP)** is an application-level protocol for distributed, collaborative, hypermedia information systems.
  - **Universal Serial Bus (USB)** is a serial bus standard to connect devices to a host computer.
  - A **video codec** is a device or software that enables video compression and/or decompression for digital video. **H.264** is a standard for video compression, and is equivalent to **MPEG-4 AVC**. **H.263** is a video codec standard originally designed as a low-bitrate compressed format for videoconferencing. **MPEG-4** is collection of methods defining compression of audio and visual (AV) digital data.
  - **JPEG** is a commonly used method of compression for photographic images.
  - **Voice over Internet Protocol (VoIP)** is a general term for a family of transmission technologies for delivery of voice communications over IP networks such as the Internet.
  - The **Internet Protocol Suite** (commonly known as **TCP/IP**) is the set of communications protocols used for the Internet
  - An Internet Protocol (**IP**) **address** is a numerical identification and logical address that is assigned to devices participating in a computer network utilizing the Internet Protocol for communication between its nodes.
  - **Dynamic Host Configuration Protocol (DHCP)** is a network application protocol used by devices (*DHCP clients*) to obtain configuration information for operation in an Internet Protocol network.
  - The **Internet** is a global system of interconnected computer networks that use the standardized Internet Protocol Suite (TCP/IP).
  - An **intranet** is a private computer network that uses Internet technologies
  - **Power over Ethernet** or **PoE** technology describes a system to transfer electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network
- Network Time Protocol (NTP)**, a means of synchronizing clocks over a computer network.

## 1.3 Module Assembly

The Slim IPDP are the basic modules with color camera Slim IPDP-01/02C or without camera Slim IPDP-01/02. Antivandal panel is very strong metal cover for increased endurance against vandalism.



Slim IPDP-01

Slim IPDP-02

Slim IPDP-01C  
(Slim IPDP-01C antivandal)

Slim IPDP-02C

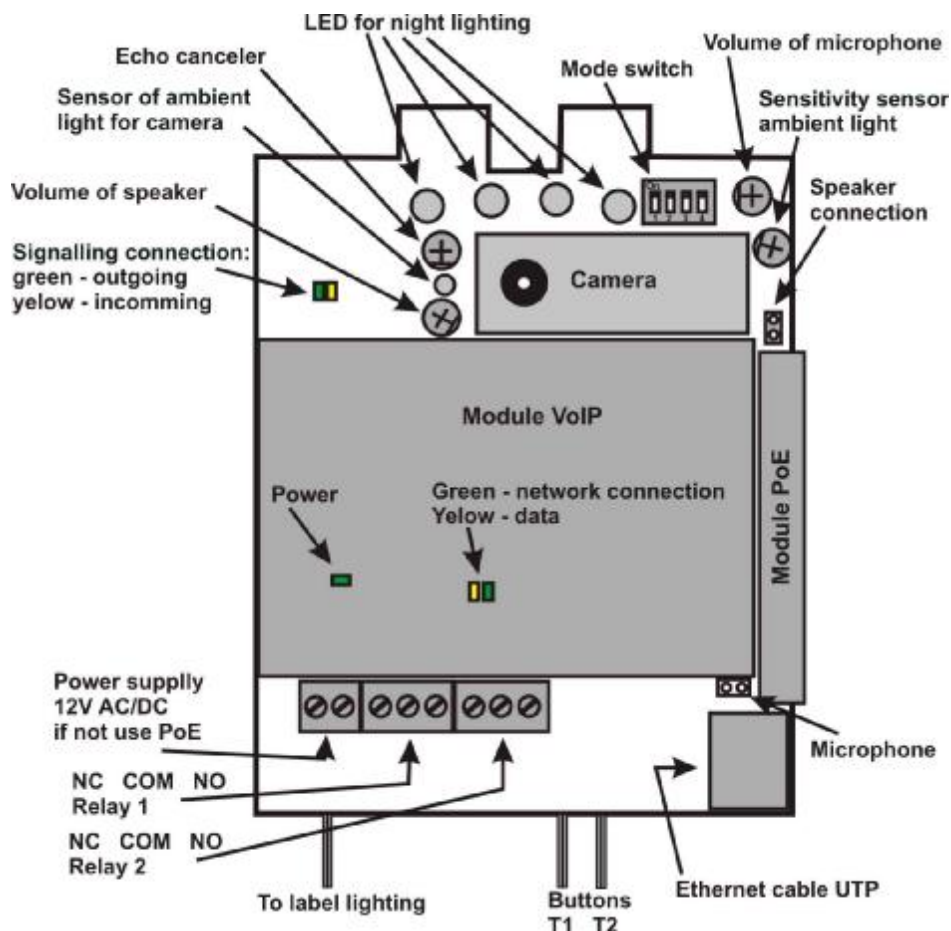
## 1.4 Module Features

### 1.4.1 Slim IPDP Basic Module

The Slim IPDP basic module is assembling from modules IP, PoE modul, camera module and motherboard. Positioning setting elements and connectors are on picture 1.

For Slim IPDP is necessary used PoE power from switch or the AC voltage of min. 11Vst - max. 15Vst or DC voltage of min. 12Vss to max. 18Vss must be energized to “12V” terminal. This source loading depends on number of modules, since it simultaneously serves feeding of lighting through visiting cards – at max. number of connected modules the demand will not exceed 300mA. This source can be also used for feeding of lock(s), and then it is necessary to consider the electrical lock demand. In practice the alternating feeder 12V/1A mostly meets these demands.

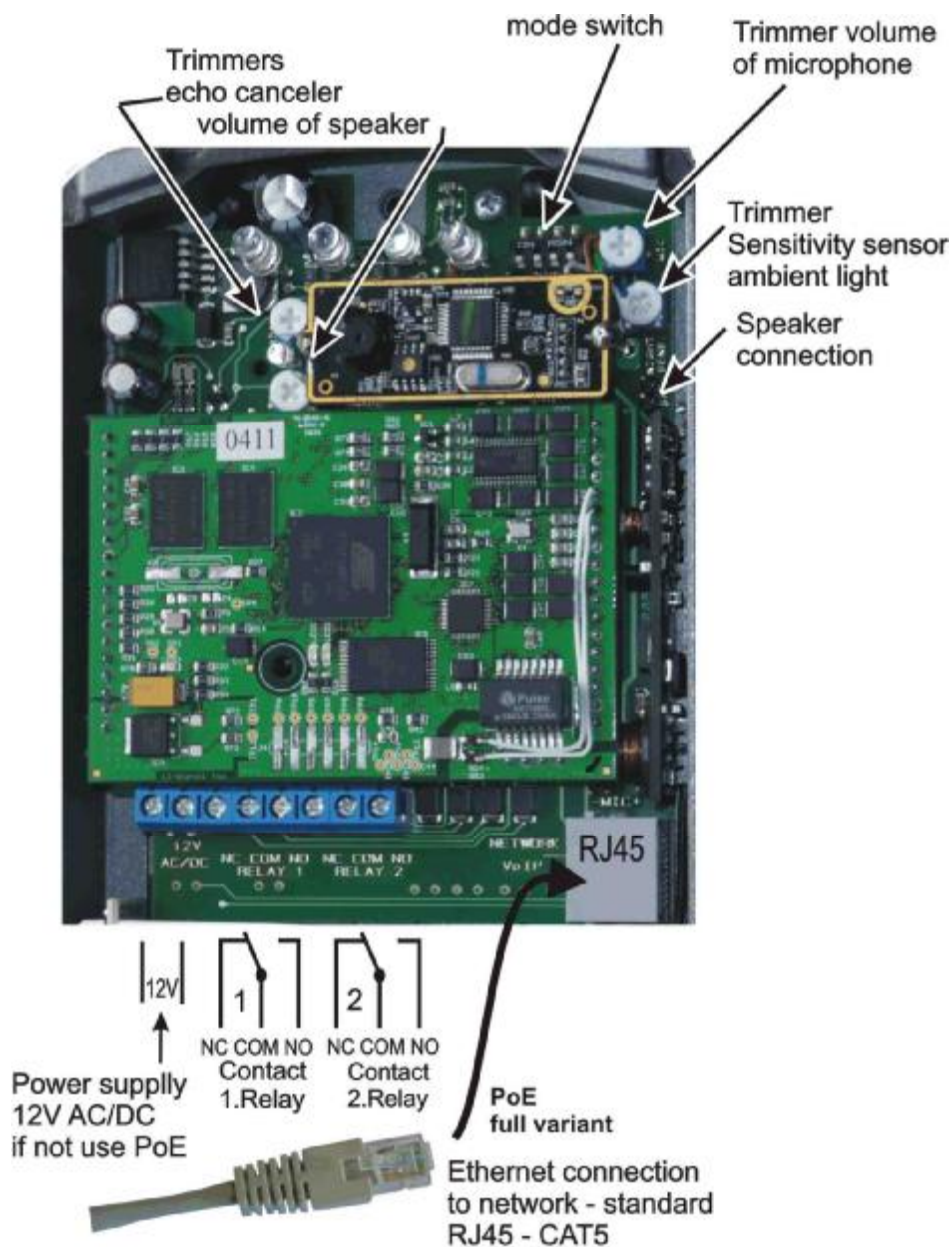
IPDP receives power through the PoE (Power over Ethernet) technology. No additional cabling is necessary. If your Ethernet is not equipped with the PoE technology it is possible to use a PoE adaptor.



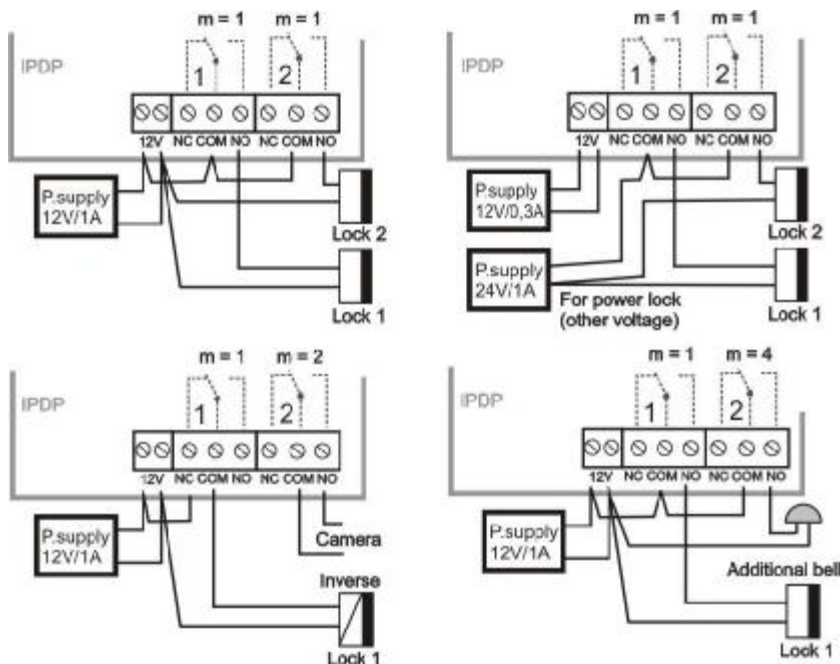
**Picture 1 Basic module - motherboard**

The connection of relay contact terminals is shown on pict. 2. The “**NO**” designation means an idle-disconnected contact, “**COM**” means a pin contact (middle) and “**NC**” means an idle-connected contact. The contacts of both switches are galvanically isolated each other and from other guard circuits. The variants of connection are shown on picture. 3.





Picture 2. Connect Slim IPDP



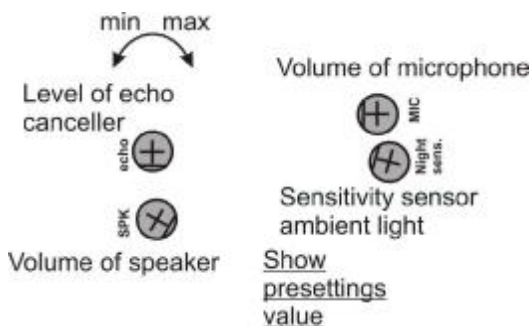
**Picture 3 Examples of relays connections**

### **Setting voice communication**

position trimmers are presetting from manufacture and in majority case agree with, therefore changes setting altering only in necessary case. Basic position of trimmers, sense of rotation and meaning trimmers are illustration on picture 4.

Level of echo canceler adjust silence of the microphone, to make smaller acoustic feedback and remove the echo

setting sensitivity of sensor ambient lighting determine at what decrease ambient light will be automatically switching lighting LED for camera. This function is accesible only if is activated IPDP (by talking).

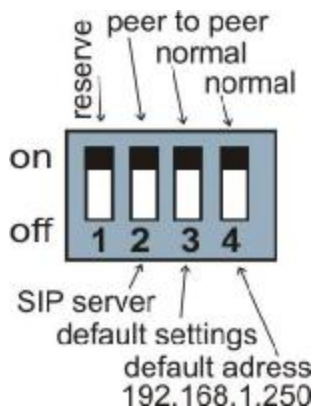


**Picture 4 Setting of trimmers**

**DIP switch** setting basic operation and default setting. See on picture 5.

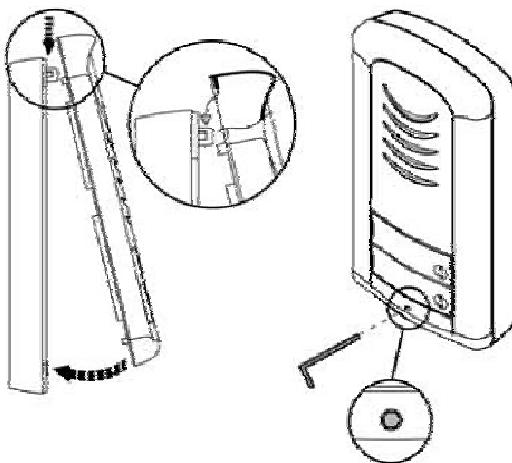
State of DIP switch is reading at start the IPDP, i. e. after reset. After get started system is necessary DIP switch 3 and 4 always return to the position "On", because at next reboot system would be new values overwriting by default value.

**Picture 5 DIP switch settings**

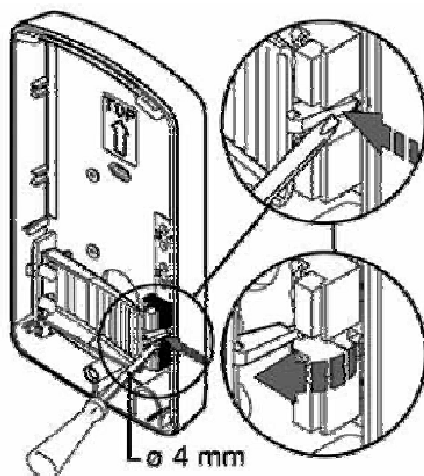


## 1.5 Installation of DoorPhone VoIP Assembly

### 1.5.1 Open and close the cover of Slim IPDP

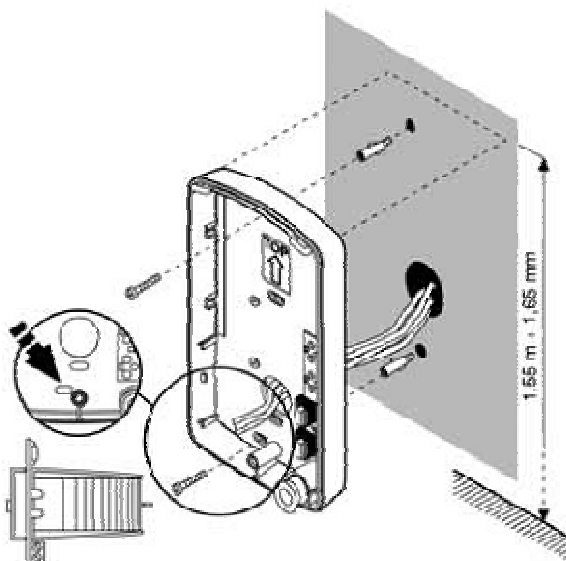


### 1.5.2 Dismounting lighting of nameplate

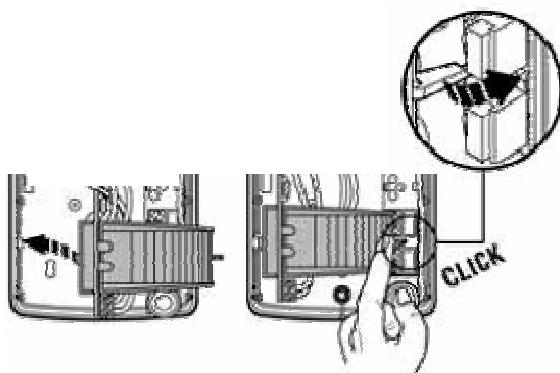


### 1.5.3 Assembly Slim IPDP on the wall

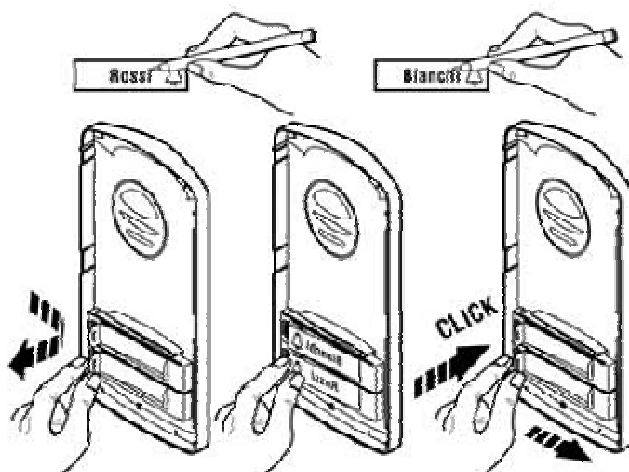
The installation is made by screwing to the wall by means of dowels.



### **1.5.4 Return lighting name plate after mounting on the wall.**



### **1.5.5 Change of nameplates**



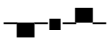



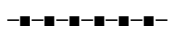
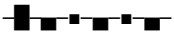


Each button has its separate nameplate hold by means of plastic flag (see figure). The paper nameplates can be printed from Excel form (to be downloaded on [www.alphatech.cz](http://www.alphatech.cz)).

## 2 DoorPhone VoIP Operation

### 2.1 Signaling Overview

The IPDP signals an acoustic conditions they may occur during operation. Another signaling can be done by means of red LED (placed under microphone hole). You can listen the signaling samples in Nset setting program.

Condition	Tones	Tone frequency	LED
Line lifting up		425-850-1275	light
Line hanging up		1275-850-425	dark
Report after calling		425-850-1275	light
Notice about call end		1275	light
Parameter confirmation			
Switch on (Reset)		1275-850-1275	blink
Error (anything, if unsuitable)		425....	
Empty memory (no progr. numb.)		850-1275-1700...	
Waiting to talk	-	-	blinking
Is talk	-	-	light

### 2.2 Visitor at Door

The IPDP function is influenced by setting of IPDP parameters.

The DoorPhone **buttons** are provided by nameplates or positions of persons inside the object. The incoming person will press the corresponding button, the DoorPhone will lift up the VoIP canale neither immediately (the button is not the first number from code lock), or with delay and dial the programmed phone number thru VoIP, but dial number differs by choice mode, which is set in the DoorPhone :

- **Day/night** mode = being the DoorPhone in Day mode, so it is always dialing a number set in table 1, in Night mode, it is always dialing a number set in table 2.
- mode **two number group** = first press – it always dials a number set in table 1. By repeated press of the same button or detection of busy tone after dialing the DoorPhone will select the number from the second group (*table 2*). The next press of the same button again selects a number of the first group, etc.....

The switch (**code lock**) can be controlled by first 1-2 buttons of DoorPhone. If the visitor at door presses buttons in such combination that meet the

preprogrammed code and the time among presses is not bigger than the set point, then the DoorPhone will pick up and close the corresponding switch (if set in m=1 or m=5 modes) to the period given by setting in parameters. Then it will hang up.

## **2.3 Person Inside Object**

The person inside object is considered a person that is in phone contact with DoorPhone.

### **2.3.1 Outgoing Call**

The outgoing call is the call from DoorPhone (caused by visitor). After guard choice the telephone is ringing inside object and the pick up will allow speaking to the visitor at door. The code choice can close the switch, if set to m=1 or m=5 modes, change over the Day/Night modes and hang up the DoorPhone. The DoorPhone in 10 seconds before call end will send a notice about call end and the call may be extended by sign selection (\* or #). The telephone hanging up will end the call.

They are two possible ways of transmission information of press buttons (command for opening lock, switch day/night, prolongation conversation, command for hang-up) - either in "RTP channel" or in "SIP info", variant "inband DTMF" isn't in IPDP decoding.

### **2.3.2 Incoming Call**

The incoming call is the call to the DoorPhone (caused by person inside object). After exchange number selection, where the DoorPhone is connected, the DoorPhone is ringing and when set number of rings is over, the DoorPhone will pick up and it is possible to speak. The possibilities are the same as with outgoing call.

## 3 Programming of Parameters

### 3.1 Basic VoIP settings

#### 3.1.1 Choosing a mode and login

It is important to choose a DoorPhone mode first. The DoorPhone can work in the PeerToPeer mode or SIP server mode. The mode setting can be made by a relevant switch (DIP switch see on picture 6). In the SIP server mode is possible to choose SIP server (external). It can be set in a configuration interface of the DoorPhone.

Setting values in doorphone to the firm setting make by DIP switch 3 move to the position off and reboot doorphone. After reboot system this switch is necessary return to the position On.

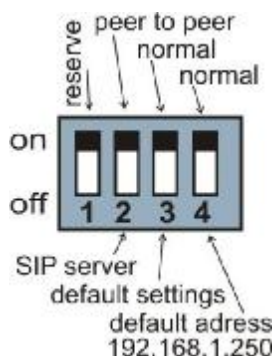
Setting of basic IP address 192.168.1.250 make by DIP switch 4 move to the position off and reboot doorphone.

After reboot system this switch is necessary return to the position On.

Reboot doorphone it is possible make by double ways – partly turn it off and on again, or clicks on „Restart“, in WEB site is at the entry service.

IP address of doorphone is from the manufacturer (as well as default) setting on 192.168.1.250. If you are at installation in other numbering nets (= NOT BEGINING 192.168.1.xxx) so is necessary setting in feature of protocol TCP/IP in your PC IP address either temporarily or like alternative configuration e.g . 192.168.1.245 . Then it is possible setting parameters of doorphone including new IP address and after reboot VoIP module in doorphone you can attach to WEB sites of the doorphone already on new IP address.

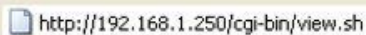
**ATTENTION:** DIP switch 3 and 4 must be in position "On", otherwise new IP address after reboot module is re-write back on starting IP address = 192.168.1.250.



Picture 6 DIP switch setting



In your web browser enter IP address of the DoorPhone, default is 192.168.1.250. See picture 7.

 http://192.168.1.250/cgi-bin/view.sh



**Picture 7 First site - video from camera**

Enter user name and password. User name is „admin“, default password is „1234“. See picture 8.



**Picture 8 Login to setup**

### 3.1.2 Language option

Language setting can be made in a menu on the left panel.

The screenshot shows the 'Network setting' interface. On the left, there is a 'Menu:' list with items: Network setting, Basic parameters, Setting audio, Setting video, Relays, Time parameters, Memory numbers, Service, Video, and Help. Below the menu is a 'Language:' section with a dropdown menu showing 'english', 'english', 'Francais', 'english', and 'Cedting'. A red checkmark is next to the second 'english' option. To the right of the language dropdown is a 'Set' button. The main area is titled 'Network setting:' and contains fields for: Hostname, Setup via DHCP (checkbox), DHCP client ID (udv\_guard), IP address (192.168.1.250), Network mask (255.255.0.0), Default gateway, Primary DNS server, and Secondary DNS server. At the bottom are 'default values' and 'save and restart' buttons.

### 3.1.3 Network settings

Network settings are located in the **Network setting** menu item. It is possible to use DHCP service (1) or you can enter IP addresses manually.

**Manual configuration:**

The screenshot shows the 'Network setting' interface with red circles and arrows highlighting specific elements. Circle 1 is next to the 'Hostname' field. Circle 2 is next to the 'Setup via DHCP' checkbox. Circle 3 is next to the 'DHCP client ID' field. Circle 4 is next to the 'Day mode' label. Circle 5 is next to the 'Network setting' menu item, which has a red checkmark. Circle 6 is next to the 'Service' menu item. Circle 7 is next to the 'save and restart' button. The 'IP address' and 'Network mask' fields have red checkmarks next to them.

After making changes click on a **save and restart** button.

1. Hostname – name of doorphone for resolution in nets (e.g . while using more doorphones – more entrance)
2. Enable/disable ethernet settings via DHCP

3. Setting IP address, mask, eventually next network parameters, in case obscurity contact his IT manager
4. Display actual mode of IPDP – day / night
5. Return on introductory WEB site with display videos from cameras IPDP
6. short help for quick assistance in setting the parameters1 –
7. Default value – presets to the firm settings. After making changes click on a save and restart button (display screen - see page 22).

## DHCP configuration:

After making changes click on a **save and restart** button.

1. Hostname – name of doorphone for resolution in nets (e.g . while using more doorphones – more entrance)
2. Enable/disable ethernet settings via DHCP
3. DHCP client ID is name, which using for assigning two IP address to only thing the MAC address (in IPDP porter has meaning as far as will be including internal SIP server)
4. display parameters automatically assign by DHCP - IP address and next setting
5. Default value – presets to the firm settings. After making changes click on a save and restart button (display screen - see page 22).

**Important:** if you use setup via DHCP, then it's assigning IP address to DoorPhone automatically and network administrator must tell you actual address, to was possibility display video in web browser. Because assigning IP adress can change after e.g . failure power supply in object, so they recommended enjoy DoorPhone with fixed IP address.

### 3.1.4 Peer to peer or SIP server connection

The DoorPhone can be set to the peer to peer (P2P) mode or to the SIP server mode by DIP switch (page 16). In P2P mode DoorPhone calling IP address – in memory buttons (page 28).

If you setting SIP server mode by DIP switch, so add in menu item SIP parameters

The screenshot shows a web interface for configuring SIP parameters. On the left is a 'Menu:' list with items: Network setting, Basic parameters, SIP parameters (highlighted with a red checkmark), Setting audio, Setting video, Relays, Time parameters, Memory numbers, Service, Video, and Help. Below the menu is a 'Language:' section with 'english' selected and a 'Set' button. The main area is titled 'SIP parameters:' and contains two sections: 'SIP proxy server' and 'Account module'. The 'SIP proxy server' section has fields for 'Address:' (marked with a red circle 1), 'Port:' (set to 5060), and 'Expiration [sec]:' (set to 600, marked with a red circle 3). The 'Account module' section has fields for 'Names:' (marked with a red circle 2) and 'Password:'. At the bottom of the main area are two buttons: 'default values' (marked with a red circle 4) and 'save changes'.

After making changes use the **save changes** button.

1. SIP proxy server IP address or the SIP server name and port (usually 5060 or 5061)
2. Registering data to SIP proxy server (aren't obligatory)
3. Expiration is interval of sending requests for re--registration in SIP server
4. Default value – presetsings to the firm settings. After making changes use the save changes button.

### 3.1.5 Audio codec setting

Day mode

**Menu:**

- Network setting
- Basic parameters
- **Setting audio** ✓
- Setting video
- Relays
- Time parameters
- Memory numbers
- Service
- Video
- Help

Language:

english [v] [Set]

**Setting audio:**

Priority 1: G711p [v]

Priority 2: G711a [v] ①

Priority 3: G726-32bit [v]

Priority 4: GSM [v]

② [default values] [save changes]

After making changes use the **save changes** button.

1. There is choosing only priority using audio codecs, used codec is selection automatically at make audio connection in SIP protocol.
2. Default value – presets to the firm settings. After making changes use the save changes button.

### 3.1.6 Setting video

Day mode

**Menu:**

- Network setting
- Basic parameters
- Setting audio
- **Setting video** ✓
- Relays
- Time parameters
- Memory numbers
- Service
- Video
- Help

Language:

english [v] [Set]

**Setting video:**

Image size: 300 x 240 [v] ①

Numbers image per sec.: 2 [v] ②

Brightness: [50] 50

Contrast: [50] 50

Colour: [0] 0 ③

Hue: [0] 0

Gamma: [25] 25

④ [default values] [save changes]

After making changes use the **save changes** button.

1. Resolution display video
2. Number picture per second (frequency restoring picture)
3. Setting next parameters of camera
4. Default value – presets to the firm settings. After making changes use the save changes button.

### 3.1.7 Service settings

Day mode

**Menu:**

- Network setting
- Basic parameters
- Setting audio
- Setting video
- Relays
- Time parameters
- Memory numbers
- Service ✓
- Video
- Help

Language:

english

**Admin services:**

VoIP version: 1.26 UDV version: 5.5

Download log file  ①

Show call log

Time server:

GMT  ②

Syslog server:

③

Firmware upgrade:

④

Upload language:

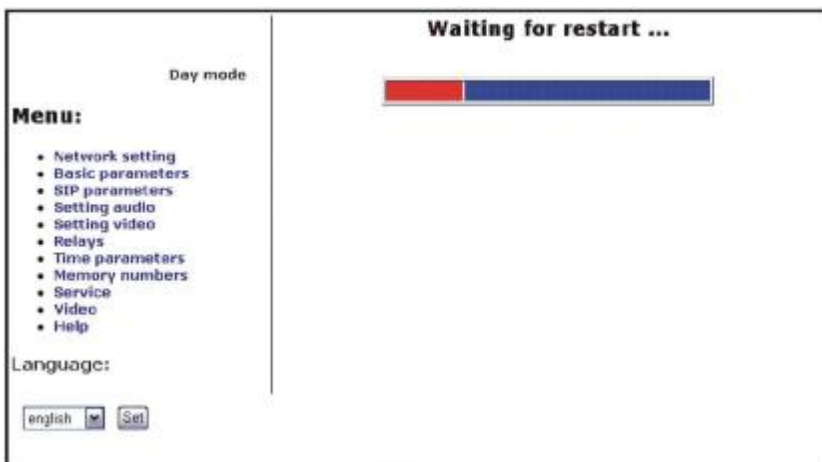
⑤

Service password:

Retype password:   ⑥

⑦

1. display current version of firmware in module VoIP and in module doorphone, button switching if it has save history events in basic or enhanced mode - it is important to analyse mistakes and problems. This file it is possible to save to PC by clicking on download log file. Call log displays call connection by SIP (events)
2. Time server is IP address of NTP server with time data
3. Syslog server is IP address of computer where is running syslog application for collection network events
4. tool for upgrade firmware in module VoIP and in module doorphone, switching automatic - information is in upload file. Next in this tool it is possible to change environment of WEB sites - colours, fonts, frames...
5. Addition / change language file - upload file with language assignment
6. change access password, default is 1234
7. reboot VoIP module.



### 3.1.8 Viewing the video (programme PopUp)

Video in doorphone IPDP is capture by USB WEB camera. Picture from camera is sending partly like series JPEG pictures to the environment WEB browser (first page on IP address IPDP doorphone) and second method is, that IPDP sending stream video in coding H.263 and in future H.264. This stream video is possible watch e.g . on telephone Grandstream series GXV3000, which has big LCD display.

Next interesting way watching videos from IPDP is install PopUp program UDVGUARD for Windows. This programme also with manual is freely download on [http://www.alphatech.cz/engl/e\\_ipdp.htm](http://www.alphatech.cz/engl/e_ipdp.htm). Programme except display the video has even this interesting functions:

- at conversation IPDP is program automatically activate from system tray of Windows to the foreground and display picture from IPDP, after termination talk again minimalize (function PopUp)
- makes it possible switch on by click both relay in IPDP – opening door
- makes it possible acoustic connection with IPDP – if doorphone call on address PC with installed and running programme, so it is possible receive conversation from IPDP through the medium sound card in PC. Click on button DoorPhone in program it is possible reversely call to IPDP
- programme it is possible install to the max.100 computers in net, if is active connection with IPDP, so to all computers with running program maximize window with displayed video. In programme is adjust IP address of doorphone, thereby it is possible in one nets operate more Slim IPDP and to which IPDP programme is coresponded individual "Hostname" setting to pgs.18 and this Hostname is displays in header of programme PopUp.

Parameters of video is on page 29

## 3.2 Setting DoorPhone parameters

### 3.2.1 Basic Parameters

Day mode

**Menu:**

- Network setting
- **Basic parameters** ✓
- Setting audio
- Setting video
- Relays
- Time parameters
- Memory numbers
- Service
- Video
- Help

Language:

english

**Basic parameters:**

Mode of choice numbers:

☒ Day-Night (1)

☐ 2 group of numbers

Prolongation chart:

☒ \* - star (2)

☐ # - hash

Hang up phone: (3)

Code for hang up phone 1:

Code for hang up phone 2:

Code of switching: (4)

Code for switching Day:

Code for switching Night:

Switching between Day Night:

☒ Manually

☐ Automatic

Mode of keyboard: (5)

☒ Direct choice number (phone)

☐ Choice of number from memory

Keyboard to position:  (6)

(7)

After making changes use the **save changes** button.

1. Mode of DoorPhone choice selects number per **Day/Night** DoorPhone mode or selects numbers of the first and second groups.
2. Sign for call extension \* or # (10sec before call end the DoorPhone will send a notice, then the call may be extended)
3. Two commands in order to hang up the DoorPhone using both switches [2 digits]. The advantage is to set the same command both for switch closing and command to guard hanging up (page 25).
4. Command for **DAY / NIGHT** mode switching  
**Note:** The switchover to Day/Night mode remains set in IPDP even after power supply disconnection.
5. hasn't in this design sense
6. hasn't in this design sense
7. Default value – presets to the firm settings. After making changes use the save changes button.

**ATTENTION!** This parameters setting will sharply influence whole DoorPhone function.



### 3.2.2 All about relays

After making changes use the **save changes** button.

#### 1. Relay mode:

- =1 **switch** mode – it will close on command or password for period **t1/2** (used for electrical locks, gate opening etc.)
- =2 **camera** mode – it will close by guard pick up and open by hanging up.
- =3 **lighting** mode – it will close by guard pick up and stay closed even for period **t1/2** after guard hanging up.
- =4 **bell** mode – it will close after button pressing and open after period **t1/2** (used for e.g. external bell or horn connections).
- =5 **gradual opening** mode – in this mode the only relay 2 will be set together with relay 1 set to mode 1. The relay 1 is activated for period **t1**, then the time **t3** is proceeding before relay 2 closing. Then the relay 2 is activated for **t2** period and afterwards the DoorPhone hangs up.

**Note:** The only relay 1 can be activated from phone and all sequence started. Besides that the relay 2 can be separately activated from buttons by password.

2. password for relay closing from buttons or keyboard [2 to 6 digits]. Total 6 passwords, they are controlled by Day/Night; the combination is entered either by DoorPhone buttons (first 1/2 buttons) or from attached keyboard (after pressing of key symbol). The relay closing influences the set switch **mode** and **Day/Night** switchover. By setting of choice mode of **2 number groups** the DoorPhone is permanently in **DAY** mode.  
By password choice some rules have to be observed:
  - § Select passwords in way not to find its combination out from wear of certain buttons by frequent use.
  - § Select the first password button from frequentless button for direct dialing (-extends choice time)(-not valid for keyboard).
  - § Pay attention to congruity of password numbers when one password includes other one, e.g. relay 1 has 1212 and relay 2 has 12121. Then after second pressing button 2 the only relay 1 is called, but password choice 212 for relay 2 can call both relays after secon pressing button 2.
3. Command from phone after relay closing [2 digits]. The same command can be set for both relays, then they are activated at the same time. The advantage is to set the same command both for relay closing and command to DoorPhone hanging up (page 24).
4. Duration of relay closing in second [2 digits 01-99]
5. To prohibit the control during incoming call is important e.g. when using relay 2 in mode 1 for control of garage gate opening, when the electronics opens the gate and the gate is closed by car passage. Then the control from phone could undesirably cause the permanent gate opening (not closed – no car passage).
6. time in second between close relays 1 and 2 by mode setting of relay 2 is **5** (gradual opening) [2 digits 01-99]
7. Default value – presetings to the firm settings. After making changes use the save changes button.

### 3.2.3 Time Parameters

Day mode

**Menu:**

- Network setting
- Basic parameters
- Setting audio
- Setting video
- Relays
- Time parameters ✓
- Memory numbers
- Service
- Video
- Help

Language: english [v] [Set]

**Time parameters:**

Maximum call duration [min]: 2 ①

Numbers of rings: 1 ②

Time between key presses [sec]: 2 ③

Time hang up before redial [sec]: 2 ④

Time before redial [sec]: 25 ⑤

Audio signaling - opening/closing: ☒ ⑥

Audio signaling - others tones: ☒ ⑦

⑧ default values save changes

After making changes use the **save changes** button.

1. max. time, for which the DoorPhone is hanging up, this time can be extended during call by sign choice from telephone (\* or #) – see page 24.
2. Number of incoming call rings, the DoorPhone pick up after presetted number of rings. After detection first ring – LED on front panel blinking. The number can be set from 1 to 9.
3. time [sec] among button presses [range 1-9]  
**switch closing** – if time between two next presses is bigger than **w** time, the code is not evaluated correctly.  
**dialing** – if the button, we are pressing, is the first password number for switch closing, so the choice is delayed by this **w** time.
4. time [sec] for which the guard will hang up, before repeated dialing (button pressing during call or dialing, busy tone detection) [range 1-5]
5. after finishing the dialing it calculates time (ringing tones). If the number exceeds time in second, it will hang up [range 10-99]. The dialing is repeated in case, when the dialing mode of 2 groups is set.
6. In default is status of DoorPhone signalling acoustically. If signalling makes problem, so this signalling pick up / hang up prohibited.
7. In default is status of DoorPhone signalling acoustically. If signalling makes problem, so this signalling others tones prohibited.
8. Default value – presettings to the firm settings. After making changes use the save changes button.

### 3.2.4 Direct Dialing – Memories

Day mode

**Menu:**

- Network setting
- Basic parameters
- Setting audio
- Setting video
- Relays
- Time parameters
- **Memory numbers** ✓
- Service
- Video
- Help

Language:

english
Set

**Memory numbers:**

①

②

	Group DAY	Group NIGHT
Button 1:	192*168*1*210	192*168*1*231
Button 2:	192*168*1*155	
Button 3:	150#192*168*1*122	
Button 4:		
Button 5:		
Button 6:		
Button 7:		
Button 8:		
Button 9:		
Button 10:		
Button 11:		
Button 12:		
Button 13:		

Button 61:

Button 62:

Button 63:

Button 64:

③

default values
save changes

After making changes use the **save changes** button.

1. telephone number up to 16 digits, we want to store. The numbers are the numbers of the **first group** or numbers of **Day** mode. In default setting is table memoirs empty. While using setting P2P to the memoirs saves IP address e.g . 192\*168\*1\*250, where „\*“ means „.“ , while using SIP proxy server to the memoirs saves phone number e.g. 117.
2. telephone number up to 16 digits, we want to store. The numbers are the numbers of the **second group** or numbers of **Night** mode. In default setting is table memoirs empty. While using setting P2P to the memoirs saves IP address e.g . 192\*168\*1\*250, where „\*“ means „.“ , while using SIP proxy server to the memoirs saves phone number e.g . 117.

**Note:** The switchover to Day/Night mode remains set in DoorPhone even after power supply disconnection.

3. Default value – presetsings to the firm settings. After making changes use the save changes button.

## 4 Technical Parameters

### 4.1 Electrical Parameters

Parameter	Value	Conditions
Communication interface	Ethernet 10BaseT, 100BaseTx	
VoIP protocol supported	SIP	
Video	série JPEG, stream H.263 (H.264)	
Band width	300Hz – 3400 Hz	
Power supply - adapter	12Vss $\pm$ 2V , 12Vst $\pm$ 1V	
- or PoE	IEEE802,3af	Altern. A+B
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 + 70°C	

### 4.2 Mechanical dimensions

Type of item	dimensions HxWxD [mm]
Slim IPDP-01	185 x 99 x 40
Slim IPDP-02	185 x 99 x 40
Slim IPDP-01C	185 x 99 x 40
Slim IPDP-02C	185 x 99 x 40
Slim IPDP-01C antivandal	185 x 99 x 40

### 4.3 Parameters of video

Video for WEB:

**InternetExplorer** - (series JPEG pictures) is using again and again repeated http request ADDRESS/video.jpg

**Mozilla, Opera, Firefox** ... and program **PopUp** (UDVguard) - (MJPEG stream) is using http request ADDRESS/video.mjpg (sometimes it is necessary reload beyond with it start). This video is continuously and has smaller load of nets.

Stream video for IP phones:

**H.263** IPDP doorphone and videophone communicate over SIP/SDP protocol on standard SIP port and video (and sound) then run in RTP protocol on port talk to SIP.

**Guarantee conditions:**

The product was shop-checked. The producer guarantees that this product will keep the features described in these operating instructions in the course of guarantee provided that the user will be handled with it as described in the operating manual. The guarantee will be extended by period of possible guarantee repair.

When claiming in guarantee period please contact your dealer. The producer only will make the guarantee repairs. Attach the description of claim reason, proof of purchase and your exact address to the product.

**The guarantee does not include:**

- mechanical, thermal, chemical and other damages caused by user's activities
- defects caused by natural disasters
- defects caused by repair or changes carried out by user or other unauthorized person
- willful damage of product
- incorrect use of product caused by other use than specified in operating manual (e.g. installation, programming)
- damages caused during product transport to customer and from supplier

Producer:

Dealer:

Date of sale:



