

### Audio IP decoder 25W Class D AMPLIFIER



### Description

The public address system for IP networks allows the creation of conventional PA and security systems, allowing interconnecting with IP devices following SIP standards. UNION DESARROLLOS ELECTRONICOS also offers the **IPU-360 SIP server** that will centralize and coordinate all communication of IP paging elements ensuring maximum functionality of all of them, with minimal risk.

The **IPU-1025** has included many functions within the same device: encoder, decoder and audio manager. With these functions allow the user to:

- Connect to loudspeakers, horns or trumpets directly.
- Connect to an IP Paging Desk controller (IPU-100P)
- Connect an audio source to the IP network.
- Connect a microphone with or without phantom power for simple messaging to the IP network.

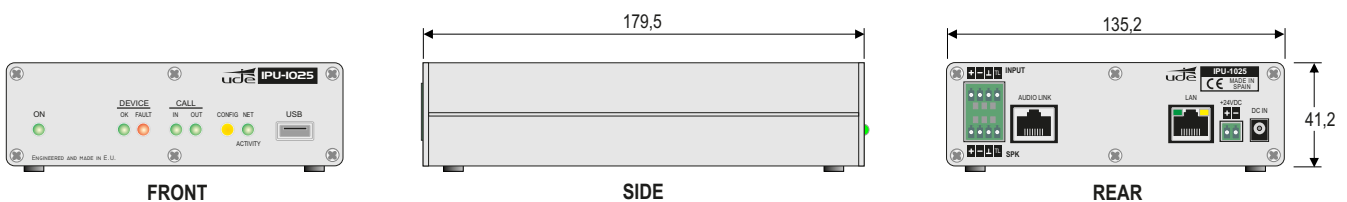
The decoder **IPU-1025** becomes the key element to ensure compatibility with all devices of the UDE public address, so that your microphone or auxiliary input allow you to adapt existing facilities and provide new technology based on telecommunications networks. A **25W** class D amplifier integrated inside, with a balanced audio output. These characteristics build in a reduced space and traduced to a low cost equipment.

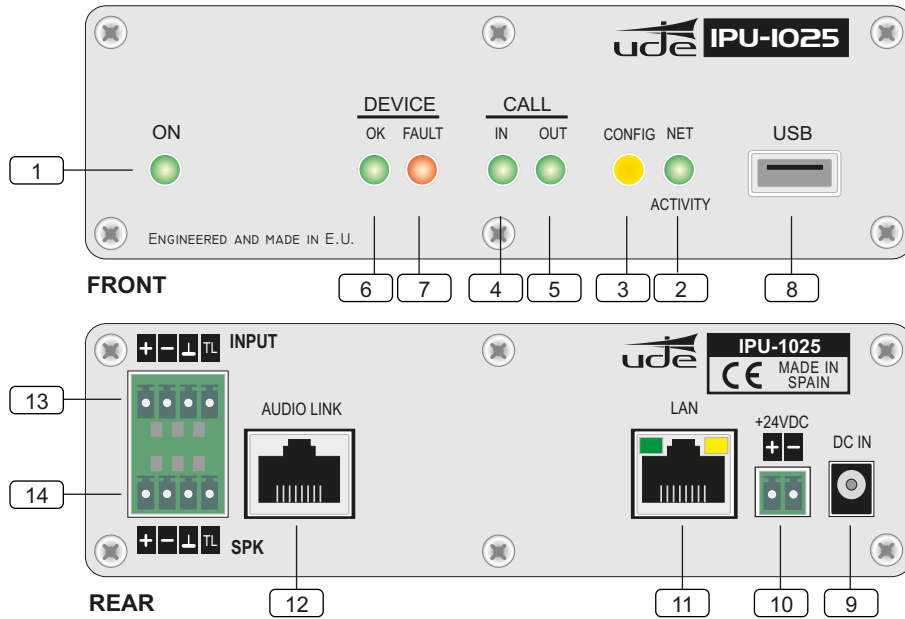
- Differential Microphone input with sensitivity of 2mV, optional 12VDC phantom power
- 25W** (8 ohms) balanced audio Output
- G.711, G722 and PCM audio encoding and decoding
- Power ON led indicator
- USB 2.0 for update firmware.
- +24 VDC power supply.
- 100% WIFI compatible.

#### OPTIONAL ACCESSORIES(NOT INCLUDED):

- **IPW-25** 24 VDC power supply.
- **IPW-10** Wall mount clamp.
- **IPW-13** Storage 19" rack.

### Dimensions





### CONFIGURATION (WEBSERVER).

The IPU-1025 configuration is done by accessing to the IP address assigned to the device by the site administrator if you work in Manual mode assignment (Static Mode), or by the DHCP server if you work in automatic mode.

**Static IP by default is: 192.168.0.210**

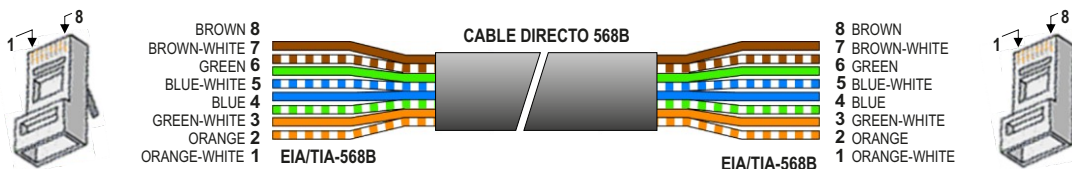
**Default user: admin**  
**Default password: 1234**

- 1 **LED ON.** This indicator shows that the equipment is properly powered and that the main application is running
- 2 **LED NET ACTIVITY.** This indicator shows the data activity when is connected to an Ethernet LAN. When you receive IP packets should be the LED blinking.
- 3 **LED CONFIG.** This indicator shows that session of configuration (Setup) by Webserver is open
- 4 **LED CALL IN.** This indicator is set when an incoming call is received and accepted.
- 5 **LED CALL OUT.** This indicator is activated when the IPU-1025 device is a call generator.
- 6 **LED DEVICE OK.** This indicator is activated when there is a right register with the server.
- 7 **LED DEVICE FAULT.** This indicator is activated when there is a connection problem with the server.
- 8 **CONECTOR USB.** The USB port allows the firmware update.
- 9 **DC IN.** This connector allows us to power the device using a 24VDC external power supply (**model: IPW-25**).
- 10 **+24 VDC.** The terminal allows IPU-1025 connection to a battery backup system to prevent the system fails during a primary power failure
- 11 **LAN.** The LAN port allows the connection of the IPU-100 to the IP network. It supports automatically low and improved speed networks



**i CAUTION:** The IPU-1025 only can process non fragmented IP network packet.

- 12 **AUDIO LINK.** This connector allows connection of an IPU-100P or allows the expansion and control of external devices. The cable should be category 5e or 6 with a RJ-45 plug.



- 13 **INPUT.** This euroblock allows the connection of an external audio input, being an auxiliary LINE source or an external microphone with the possibility to power it with 12VDC of phantom power (activated from the Webserver).
- 14 **SPK.** This euroblock connector is the audio output from the incoming call via IP networks, enabling connection of IPU-1025 in low impedance to a speaker, horn, trumpet or a set of these.

