

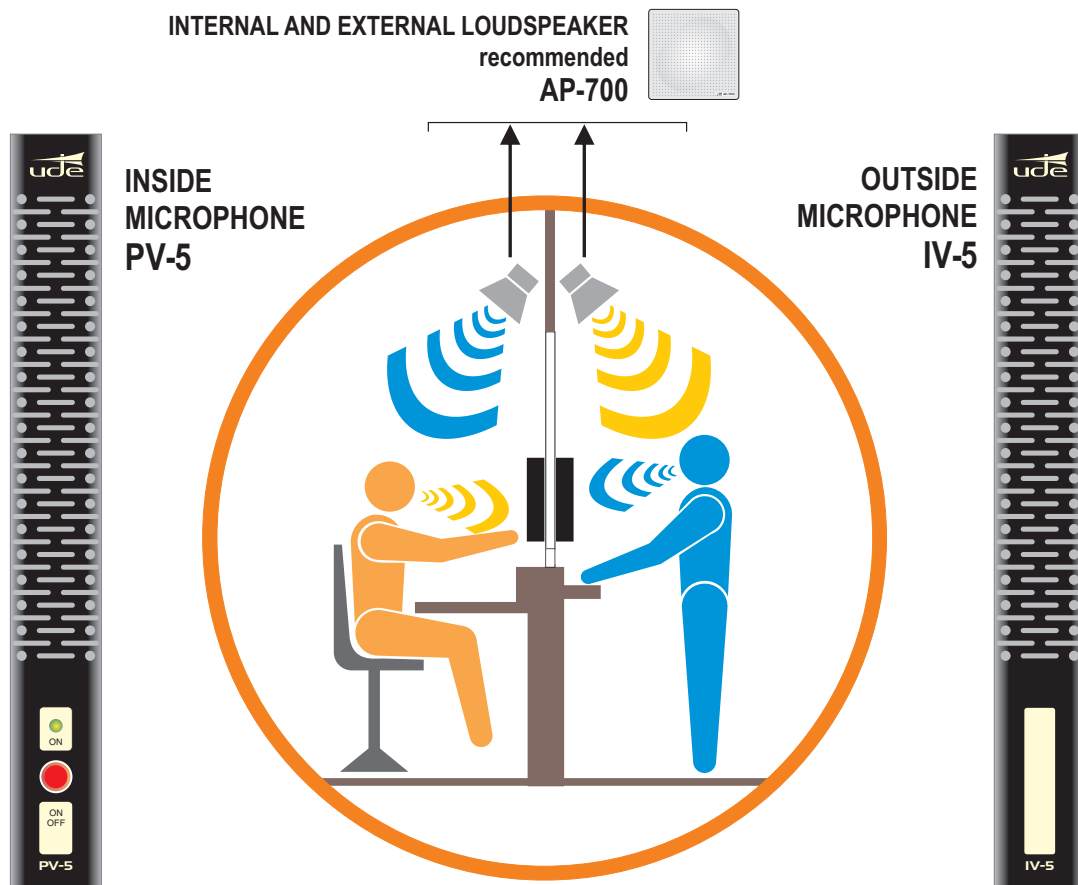
IV-5/M

WINDOW INTERCOM SYSTEMS



Simultaneous, automatic and duplex intercom system (hands free), with built-in antilarsen device.

It is specially useful to be used in spoken communication where glazing separates people communication from one side to another (in banks, prisons, train station, hospitals, telephone booths, etc...)



AMPLIFICATION AND SUPPLY MAIN STATION WV-6



IV-5/M System

Composition:

- 1 Inside microphone **PV-5**
- 1 Outside microphone **IV-5**
- 1 Main station **WV-6**
- 1 Supply **WV-12**

Electroacústica



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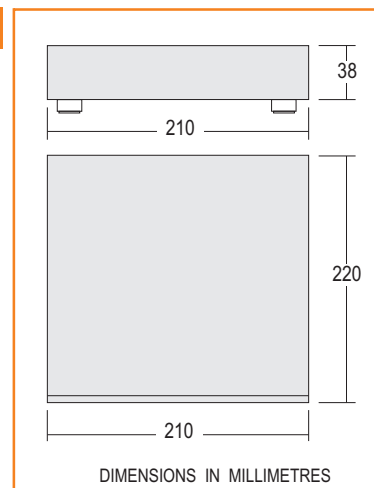
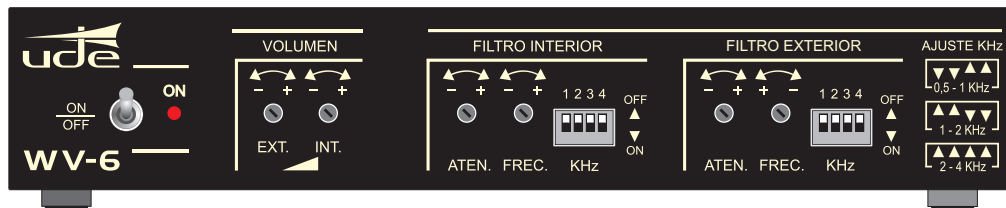
ISO 9001
BUREAU VERITAS
Certification



UDE reserves the right to modify the technical characteristics of its products without previous notice

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WV-6 AMPLIFICATION AND SUPPLY MAIN STATION



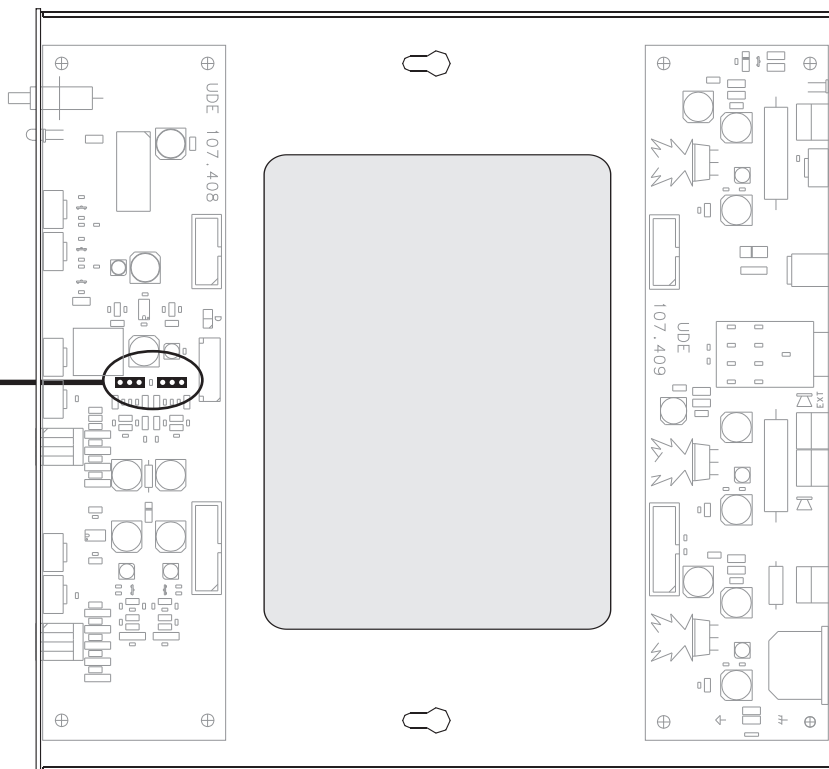
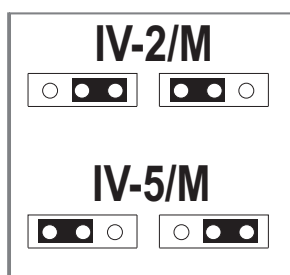
DESCRIPTION:

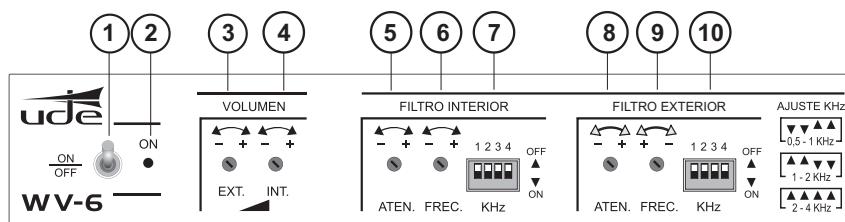
The main station WV-6 is designed for working with the different intercom system for windows UDE: **IV-2/M, IV-5/M**. Of small size, it is possible its assembly in wall, desktop and rack 19" through the WM-200 accessory. It feeds by the WV-12 supply (12 Vdc./230Vac.). It has one special antilarsen device as well 2 parametric filters in order to performing at full capacity. It has phones output (inside box) for a better privacy of system, which are used with a microphone PV-5 inside. In this case, it is not used internal loudspeaker... Besides it incorporates a standard amplifier for magnetic loop (ref. WV-10) for helping hearing disabled person. Everything mentioned above become the main-station **WV-6** in a very flexible component.

CONFIGURATION:

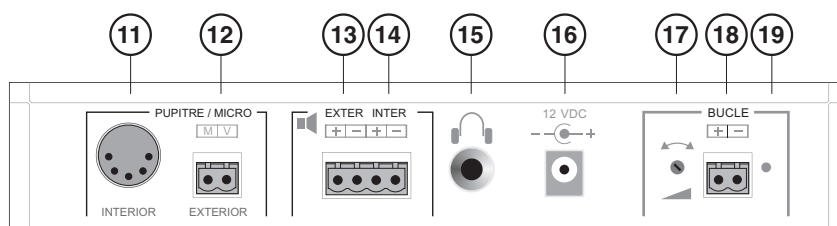
The system is by default configured for **IV-5/M**. In case it is necessary, remove the cover. Place the internal bridges according to the type of microphones that will be used: **IV-2/M**, or else **IV-5/M**, as indicated in the figure. Next, replace the cover. Assembly the main station in its location, having in mind that the different elements of adjustment and connectors must stay accessible.

Configuration Main station WV-6 for systems:
-IV-2/M
-IV-5/M



FRONT PANEL CONTROLS
WV-6


- ① - SWITCH ON/OFF
- ② - POWER LED.
- ③ - OUTSIDE volume control
- ④ - INSIDE volume control
- ⑤ - Adjustment of internal filter Attenuation.
- ⑥ - Adjustment of internal filter Frequency.
- ⑦ - Selector of internal filter Level Frequency
- ⑧ - Adjustment of external filter Attenuation.
- ⑨ - Adjustment of external filter Level Frequency.
- ⑩ - Selector of external filter Level Frequency.

RARE PANEL CONNECTION
WV-6


- ①① - INTERNAL DIN - Microphones Connector
- ①② - Plugged terminal block- EXTERNAL microphone
- ①③ - Plugged terminal block- EXTERNAL loudspeaker
- ①④ - Plugged terminal block- INTERNAL microphone
- ①⑤ - JACK-PHONES connector.
- ①⑥ - Power Supply 12 VDC
- ①⑦ - MAGNETIC Loop Adjustment.
- ①⑧ - MAGNETIC Loop plugged terminal block.
- ①⑨ - MODULATION Led MAGNETIC Loop.

STARTING UP:

It is requested an assistant in the external zone.

The conditions of noise level inside and outside of the box office should be the normal ones of use of system.

To put all the adjustment potentiometers of the front and back panel, turn right down (anticlockwise).

To starting up the main station WV-6 through the switch "ON/OFF". The red pilot light is "ON".

To activate the button for starting up the DESK PZ-39, or on the other hand of the microphone PV-5. The green pilot associated must be lighted.

To activate the external volume adjustment, speaking normally in front of the internal microphone, until getting the proper level outside in relation to the environment.

Next, proceed in the same way with the internal volume, speaking from outside, the inside level should be the proper one into the environment.

If the volume is already adjusted, tends to couple, normally that is why the model of loudspeaker operating as well as the acoustic features of the building.

In this case it will necessary to adjust the parametric filters inside and outside.

PROCEDURE OF FILTERS ADJUSTMENT:
Adjustment of external filters:

1. Reduce the internal volume lightly.
2. Increase the external volume, until getting the couple critical point, to activate the filter attenuation turning left up, and readjust the frequency. If it has not effects, change the frequency level and readjust the frequency again until obtaining a better sound.

Adjustment of internal filters:

3. Reduce the external volume lightly.
4. Increase the internal volume, until getting the couple critical point, activate the filter's attenuation adjustment to the maximum, and readjust the frequency. It has no effects, change the frequency level and readjust the frequency again until obtaining a better sound.

It is possible an acute adjustment reducing the attenuation.

Once got the both filters adjustment, readjust the internal and external volumes, in order to obtain the proper levels.

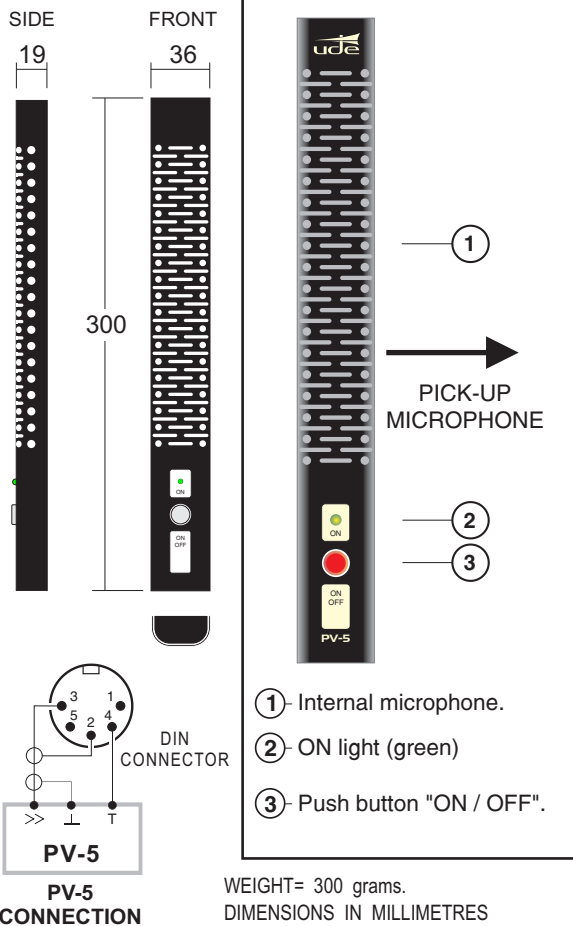
The system is fully adjusted.

ADJUSTMENT OF THE MAGNETIC LOOP AMPLIFIER (OPTION via the accessory WV-10):

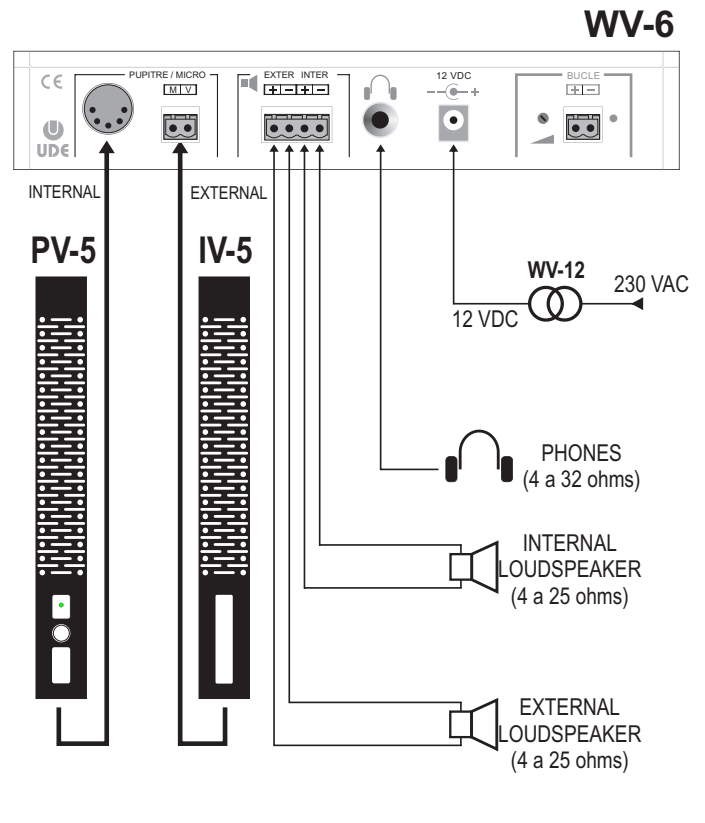
Adjust the volume located in the rare panel, until the modulation loop LED is illuminated while you are talking in front of the internal microphone.

IV-5/M SYSTEM

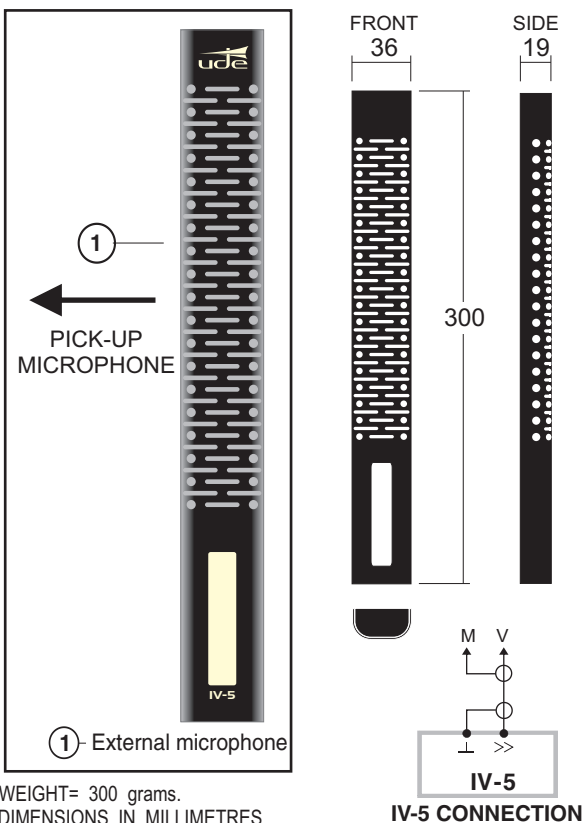
INTERNAL MICROPHONE PV-5



CONNECTION IV-5/M



EXTERNAL MICROPHONE IV-5



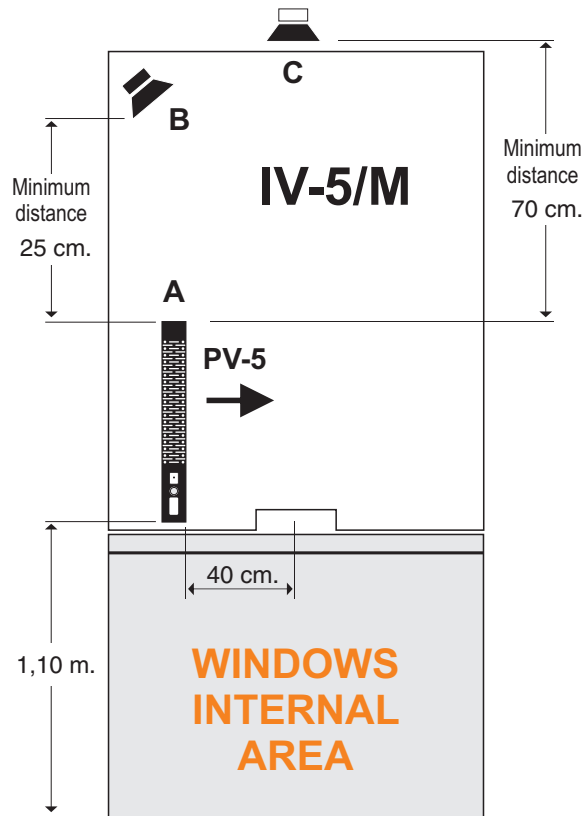
INTERNAL MICROPHONE PV-5 AND EXTERNAL MICROPHONE IV-5 INSTALLATION

1. Install internal and external speakers in their position according with recommendations. They have to be directed towards the listeners.
2. **IV-5 et PV-5 microphones installation**
 The internal and external microphones will be stuck on the glass thanks to special adhesives delivered with the microphones.
 For a correct installation of these microphones, proceed as follow:
A. Clean the surface of the window of which will be installed the microphone (internal and external) thanks to alcohol or equivalent product.
B. Thanks to a marker, define the exact location of external microphone IV-5.
C. Remove the adhesive protection from the rear part of the microphone cabinet IV-5 and stick it on its location on the window.
D. Proceed with the same procedure for internal microphone PV-5.
 Usually, the internal microphone is installed in the same position, symmetrically on the opposite side of the window.
E. Specifications of adhesive
 - Temperature: between -30 C and +90 C°
 - Adhesive strength: Traction: 59 N / cm²
 Cutting: 48 N / cm²
 - The action of adhesive is immediate, once the microphones are installed, the system is ready for operation. However, the adhesive get its maximum resistance after a period of 48 hours.
 - Installation temperature: 18 C° or more.
3. Connect the cables according to instructions of wiring diagram.

RECOMMENDED LAYOUT FOR IV-5/M SYSTEM

WINDOWS INTERNAL

- B – ACOUSTIC BOX AP-700
- C – CEILING SPEAKER



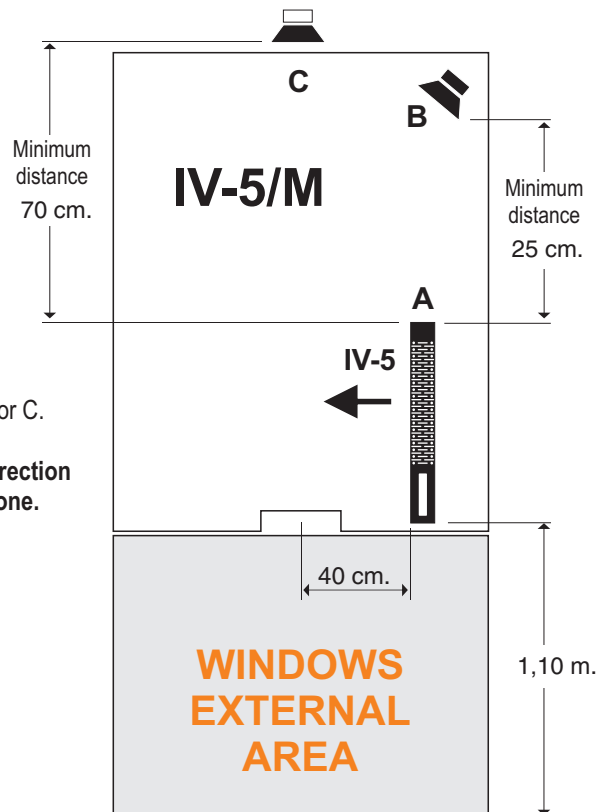
Microphone in position A.

Loudspeakers in position B or C.

The arrow indicates the direction of pickup by the microphone.

WINDOWS EXTERNAL

- B – ACOUSTIC BOX AP-700
- C – CEILING SPEAKER



Microphone in position A.

Loudspeakers in position B or C.

The arrow indicates the direction of pickup by the microphone.