



## Description

---

The **WCD-3000** developed by **UNION DESARROLLOS ELECTRONICOS** is the equipment that allows the adjustments of the line array columns **ACD-3008** and **ACD-3012**.

With a screen of 4", with high resolution features in LCD technology. Developed with a usability and smart menu control navigation. It makes a really easy way to do the start up of the line array on site.

Plug and play the WCD-3000 programmer into a line array, after it will be showed on the screen the current column configuration, where it is possible to adjust in real time all configuration parameters.

Point to point, between the WCD-3000 programmer and the ACD-3008/ACD-3012 columns can be done with the UTP CAT5 wire supplied. The WCD-3000 power supply will be also provided by the same connection UTP wire, no need of external power supply is required.

- Volume control
- Treble control
- Treble control
- 15 band graphic equalizer
- Blacklit display
- Vertical Beam Steering
- Input control
- Speech enhancement
- Mute control
- Control Antilarsen

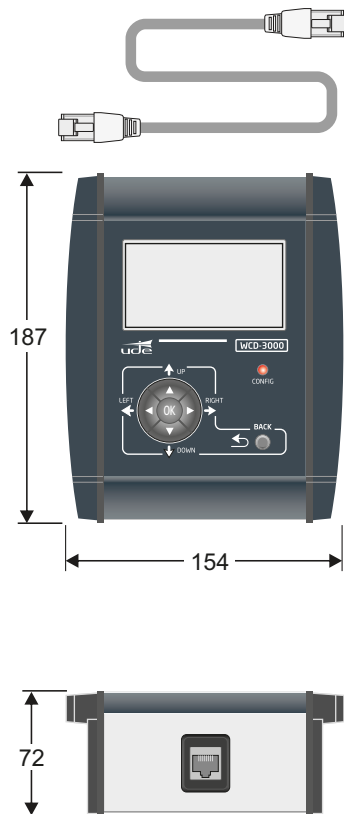
## Technical characteristics

---

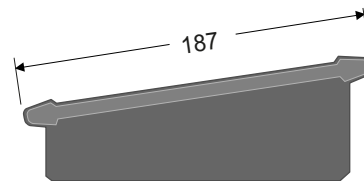
|                               |                                   |
|-------------------------------|-----------------------------------|
| <b>Screen size</b>            | 4"                                |
| <b>Screen resolution</b>      | 240 x 128 pixels                  |
| <b>Power supply</b>           | 12 VDC (from ACD-3008 / ACD-3012) |
| <b>Connection socket</b>      | RJ-45                             |
| <b>Wire type</b>              | UTP. Categoría 5                  |
| <b>Maximum bus distance</b>   | 100 meters                        |
| <b>Communication protocol</b> | RS-485 Half-Duplex                |
| <b>Power consumption:</b>     | 150mA                             |
| <b>Material</b>               | Aluminium and plastic             |

## Dimensiones

---



ALL DIMENSIONS ARE IN MILLIMETERS



## Included accessories

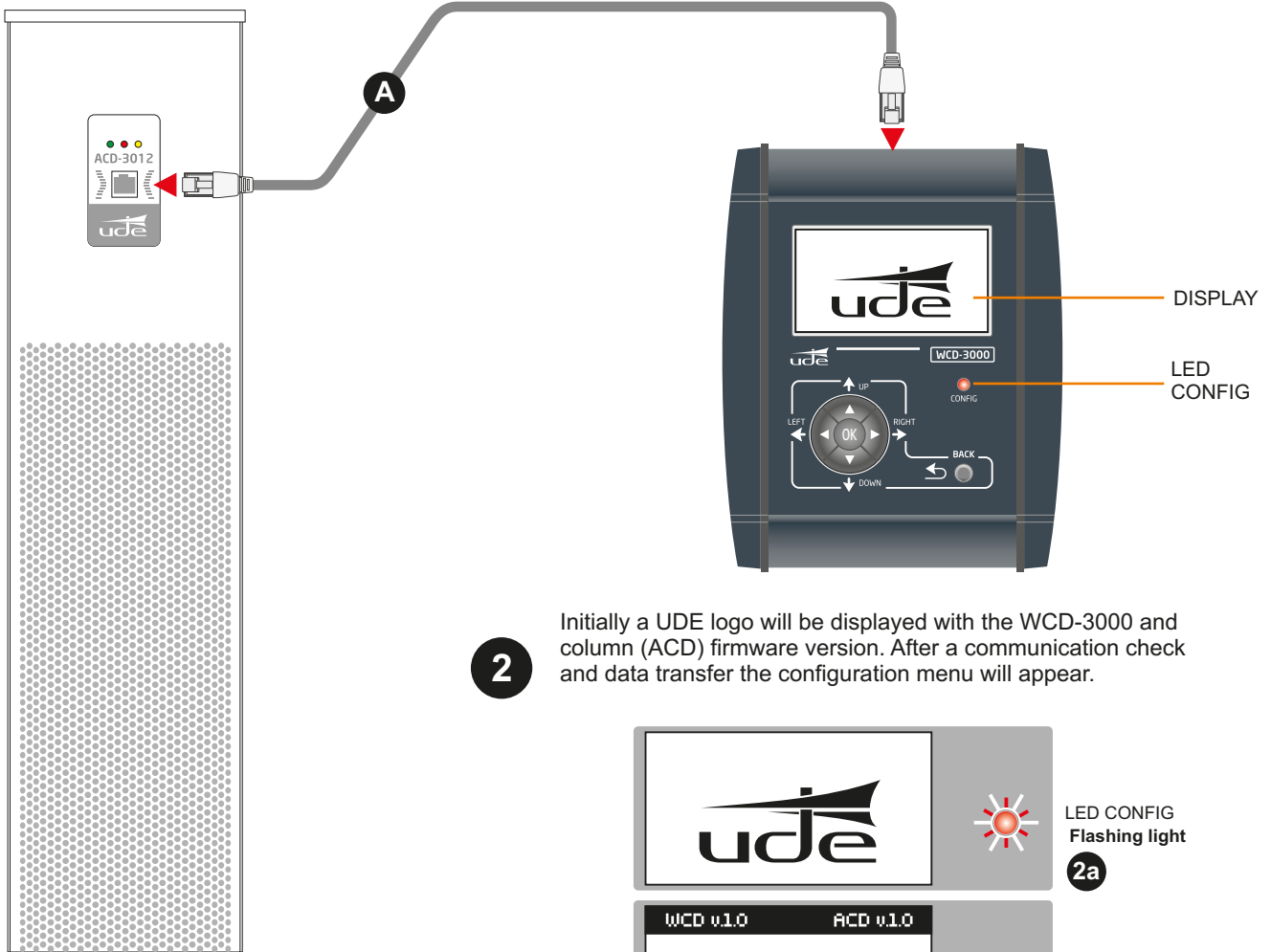
---

- Connection cable (RJ-45 / RJ-45)  
Length: 30 meters

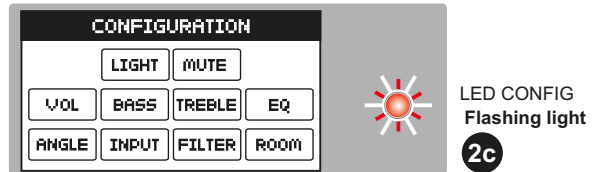
## Connection mode

Once the audio signal and the power supply is connected to the ACD-3008 / ACD-3012, it is recommended to configure with the WCD-3000 programmer.

- 1 Plug the wire in the WCD-3000 and the control socket in the front of the ACD-3008/ACD-3012 line array with a UTP CAT5 wire supplied (A)



- 2 Initially a UDE logo will be displayed with the WCD-3000 and column (ACD) firmware version. After a communication check and data transfer the configuration menu will appear.

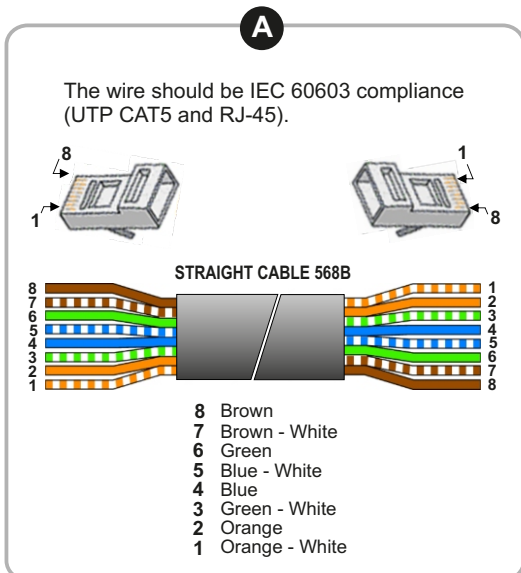


**CONFIGURATION screen + FLASHING Led CONFIG**

In case the communication data is not ready, the programmer will show the configuration page, without the option to enter in any menu.



**CONFIGURATION screen + Led CONFIG**

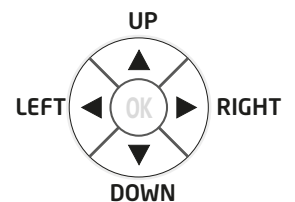


## Configuration

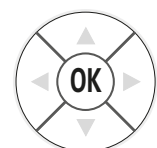
The ACD-3008 and ACD-3012 line array have an internal configuration stored in a non volatile memory, that will be send each time via RS-485 to the WCD-3000, for a system programming.



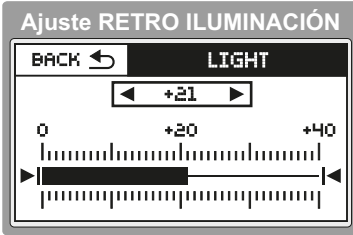
Navigate through the icons with the keyboards



Select the desired option with the OK button.



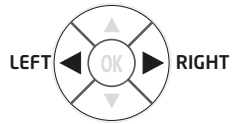
It will appear the desired menu selection were is possible to visualize and edit the data.



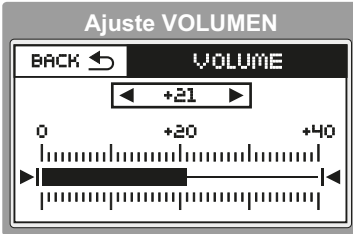
Back light menu control allows setting manually the backlight brightness of the LCD screen.

**The pre set value is 30**

With the navigation buttons increase or decrease the brightness backlight



Press button to return on the CONFIGURATION menu.

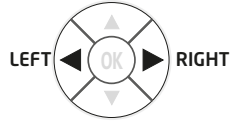


Mediante el menú "VOLUME" se puede variar el nivel de presión sonora en un rango de 0 a 40.

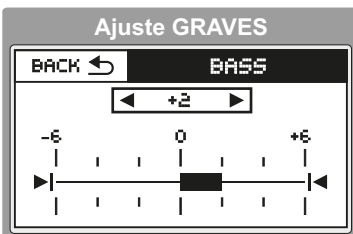
Volumen más bajo: 0.  
Volumen más alto : +40.

**El valor de fábrica es 32.**

With the navigation buttons increase or decrease volume.



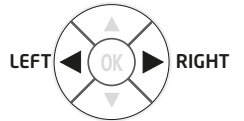
Press button to return on the CONFIGURATION menu.



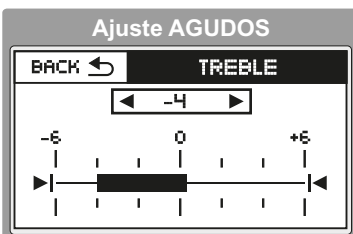
Mediante el menú "BASS" se puede incrementar o atenuar el nivel de GRAVES en pasos de 2 dB hasta -6 o +6.

**El valor de fábrica es 0.**

With the navigation buttons increase or decrease bass control



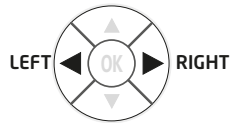
Press button to return on the CONFIGURATION menu.



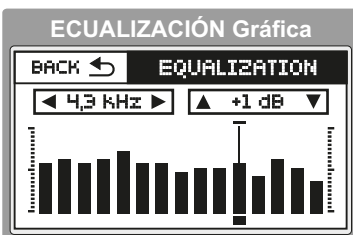
Mediante el menú "TREBLE" se puede incrementar o atenuar el nivel de AGUDOS en pasos de 2 dB hasta -6 o +6.

**El valor de fábrica es 0.**

With the navigation buttons it will increase or decrease treble control.



Press button to return on the CONFIGURATION menu.



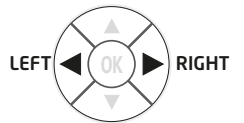
In the equalization menu, it allow to manage 15 frequency:

- 100Hz
- 200Hz.
- 400Hz
- 600Hz
- 800Hz
- 1kHz
- 1.3kHz
- 1.6kHz
- 2.2kHz
- 3.2kHz
- 4.3kHz
- 6.4kHz
- 9.6kHz
- 13,2kHz
- 16.8kHz.

Each frequency can be amplified or attenuated from a total range of -10 to +10 in steps of 1

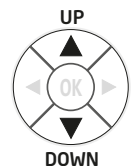
**The pre set value in all frequencies is 0dB**

Select the frequency with the horizontal navigation keys



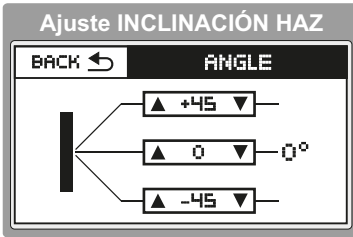
The frequency selected must be showed.

UP or DOWN the volume level with the vertical navigation keys



Press button to return on the CONFIGURATION menu.

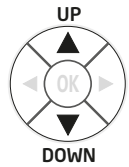




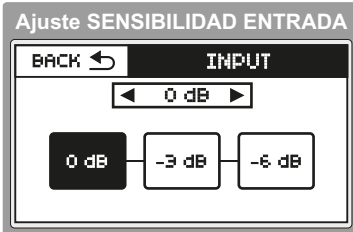
The aiming angle menu allow to set electronically the inclination angle of the beam. The configuration total range is from -45 to +45

**The pre set value is 0°**

With the navigation keys it will increase or decrease the angle.



Press button to return on the CONFIGURATION menu



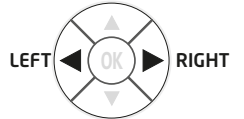
In the input volume menu, there are 3 options:

- 0dB
- -3dB
- -6dB

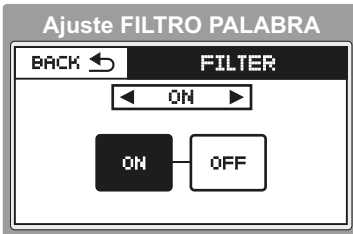
Depending on the previous source audio and the level signal transmitted a choice option might be selected. XLR and L100V audio inputs would be affected with this menu option

**The pre set is 0dB.**

With the navigation keys choose between options.



Press button to return on the CONFIGURATION menu



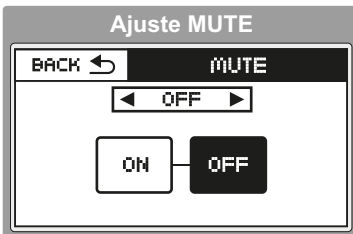
Mediante el menú "FILTER" se puede activar (ON) o desactivar (OFF) un realce de la respuesta frecuencial de la voz.

**The default factory value is OFF.**

With the navigation keys choose between ON / OFF



Press button to return on the CONFIGURATION menu

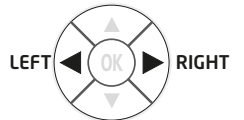


Mediante el menú "MUTE" se puede activar (ON) o desactivar (OFF) el volumen general de la columna.

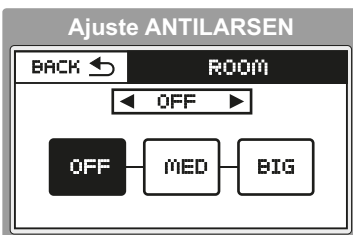
**The default factory value is OFF.**

The MUTE function is disabled if the power is switched OFF.

With the navigation keys choose between options.



Press button to return on the CONFIGURATION menu



By using the ROOM option, the feedback suppressor can be activated depending on the size of the room where the sound reinforcement is being installed:  
 MED: Medium size room.  
 BIG: Big size room.  
 OFF: Feedback suppressor disabled.

**The default factory value is OFF.**

With the navigation keys choose between options.



Press button to return on the CONFIGURATION menu



The Feedback suppressor control only applies to those line array speakers ACD-3008 and ACD-3012 including the feedback suppressor module inside (This option is on-demand)

**ATTENTION**

The configuration changes made through the WCD-3000 are applied and saved in real time in the line array. If the line array programmer is unplugged from the column, all changes done would be saved in the internal column memory