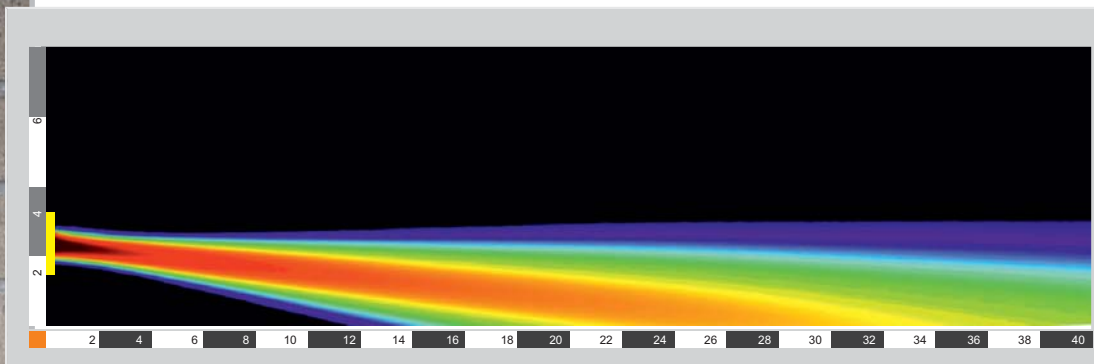


ACD-1005 ACD-1505



SELF-AMPLIFIED SOUND COLUMN DIGITALLY STEERABLE (LINE ARRAY)



The self-amplified sound columns **ACD-1005 / ACD-1505** incorporate a control electronic that allows modifying its features to adapt it to the requirements according to the building acoustics in each case. This is of great use specially for places with reverberation and complex acoustics (Churches, Sport centers, Halls, etc.). The incorporated digital signal processor provides several improvements regarding the features of the conventional columns, among them, the rejection of upper and lower lobes of acoustic radiation, the possibility of steering the vertical beam and a homogeneous sound field.

The amplifier consists of 10 digital D-class channels and provides a high efficiency.

The system manages automatically its power and leaves it in standby when there is no audio signal (energy savings).

The adjustment of the different features is done in real time by using the configuration interface WCD-1000. This allows an easy and interactive configuration to the installer.

Once the configuration of all features is done, they are automatically save in nonvolatile memory.

Their main features are:

- Acoustic configurable beam.
- Loud beam inclination +/- 45 degrees.
- Uniform coverage in the entire hearing zone.
- SPL variation in +/- 3 dB in the covered zone.

It incorporates:

- Volume control of audio output.
- Treble and bass adjustment.
- Input sensitivity adjustment.
- Parametric equalizer of 14 bands.
- Mute.
- Internal nonvolatile memory to store the column's configuration.

TECHNICAL FEATURES	ACD-1005	ACD-1505
- Transducers	10 x 4"	10 x 5"
- Range (uniform coverage)	30 meters.	40 meters.
- Type of amplifier	10 digital D-class channels	
- Frequency range	80 Hz - 18.000 Hz	
- Acoustic pressure	90 dB SPL (+/- 3dB)	
- Sensitivity adjustment	0 dB, -6dB, -10dB / L100V	
- Sensitivity input. XLR connector	Asymmetrical (300mV.)	
- Sensitivity input. L100V terminals	Balanced	
- Lobe inclination adjustment	+/- 45°	
- Power Supply	230 VAC./ 50-60 Hz.	
- Peak consumption	0,5 A.	0,75 A.
- Colour	Ivory	
- Weight	13 Kg.	22 Kg.

Electroacústica



www.udeaudio.com

Main Office Avda. BARCELONA, 24
08970 - SANT JOAN DESPÍ
BARCELONA - ESPAÑA
Tel: 34-93 477 28 54
Fax: 34-93 261 17 52
ude@udeaudio.com

Madrid Delegation C/ LUIS I, 88, 3ª planta
28031 - MADRID
ESPAÑA
Tel: 34-91 311 60 76
Fax: 34-91 450 19 97
centro@udeaudio.com

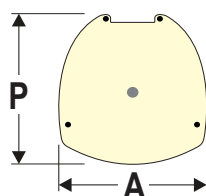
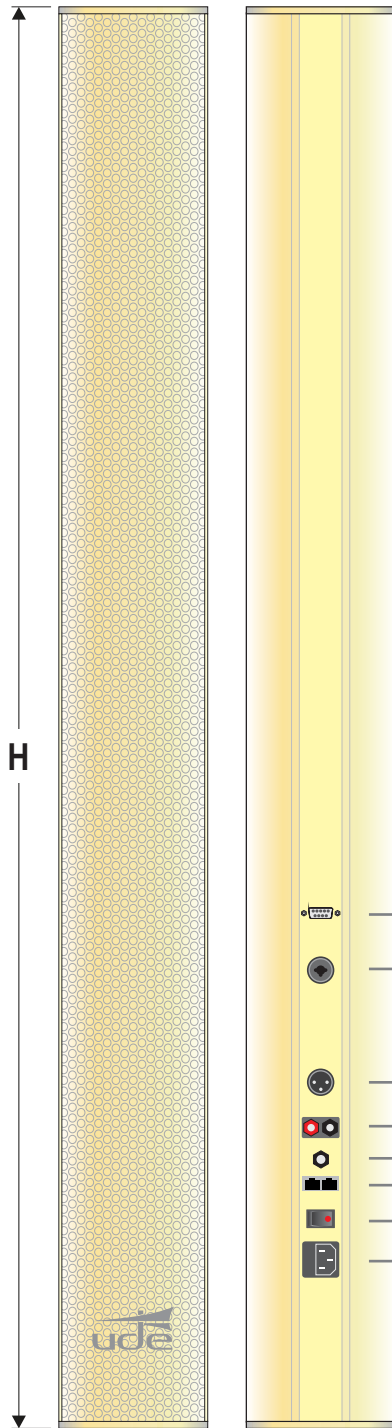
ISO 9001
BUREAU VERITAS
Certification



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

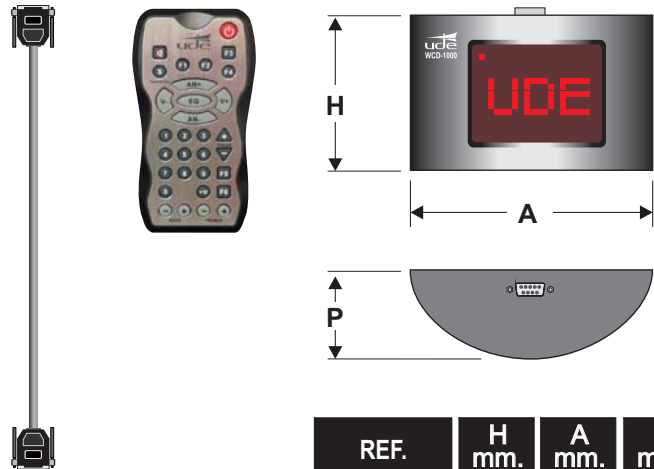
610.429A | 1 / 5

ACD-1005 - ACD-1505



REF.	H mm.	A mm.	P mm.
ACD-1005	1367	132	145
ACD-1505	1595	155	153

WCD-1000 CONFIGURATION INTERFACE



REF.	H mm.	A mm.	P mm.
WCD-1000	95	152	55

WCD-1000 COMPOSITION:

- 1 Display Module – Configuration and management
- 1 IR remote control
- 1 Connection cable (Sub-D-9 (f) / Sub-D-9 (f)) Length: 1 meter.

The configuration interface **WCD-1000** applies for all columns ACD-1005 and ACD-1505.

-NOT INCLUDED WITH COLUMNS ACD-1005/ACD-1505
-DELIVERED SEPARATELY

CONNECTIONS
ACD-1005/ACD-1505

- 1 Power supply input 230 VAC + ground
- 2 Switch and 230 VAC power supply led (ON/OFF)
- 3 Reserved for technical service
- 4 Ground
- 5 L100V input
- 6 Signal input (XLR)
- 7 Signal output (XLR)
- 8 WCD-1000 interface connector

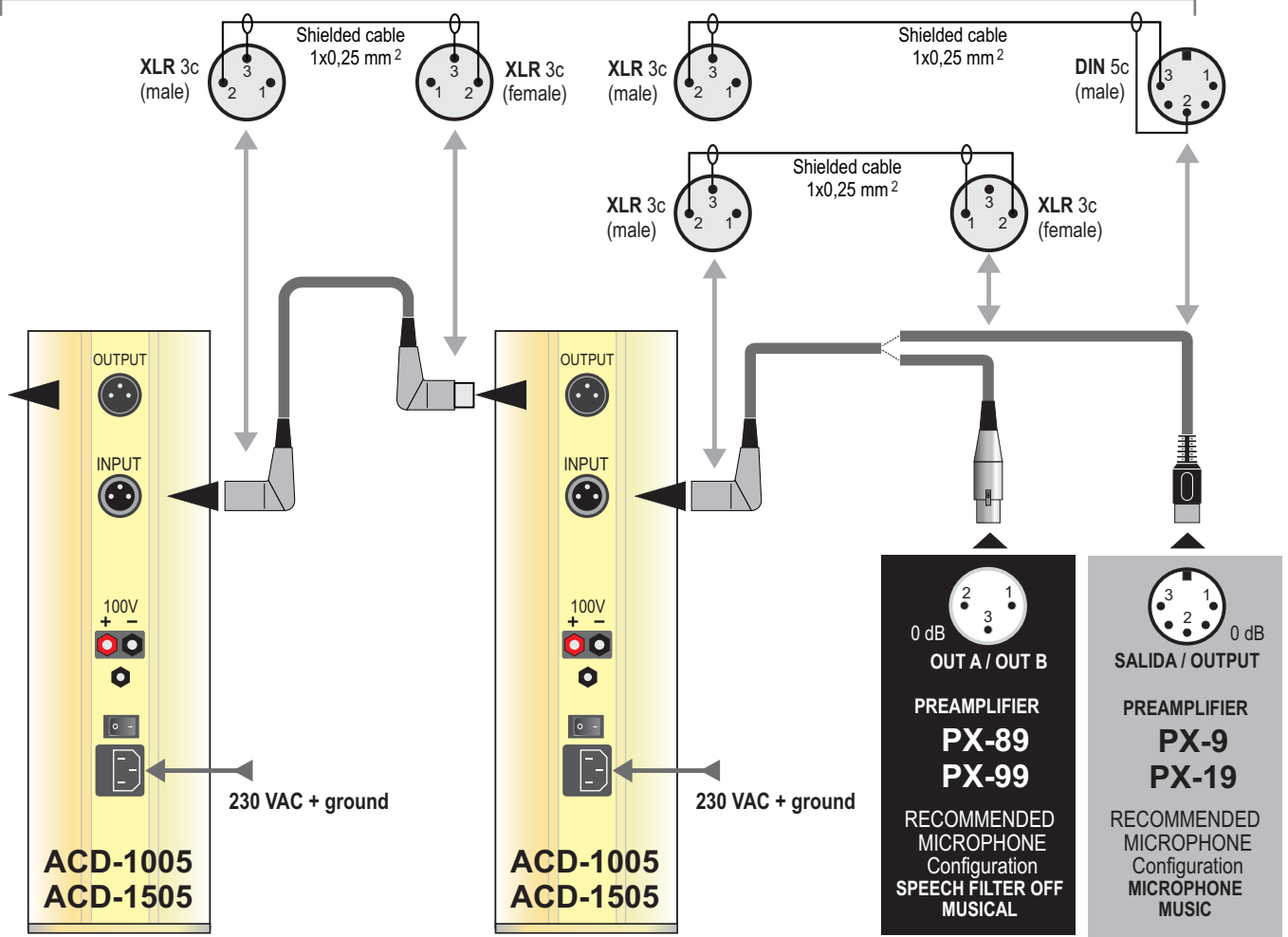
Included accessories:

- 2 Wall-fixing squadrons in steel lacquered.
- 1 power supply input cable

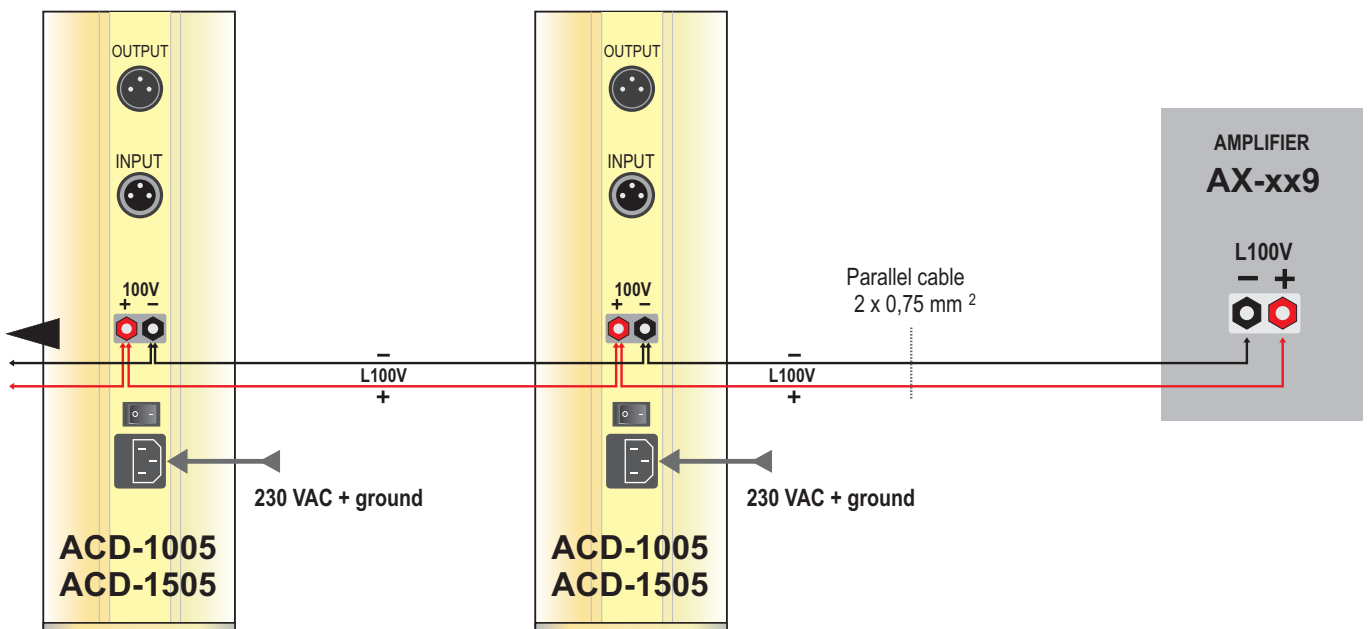
SIGNAL CONNECTION

SIGNAL CONNECTION (0 dB)

The **connections** are indicated in the **soldering side** of the connectors.

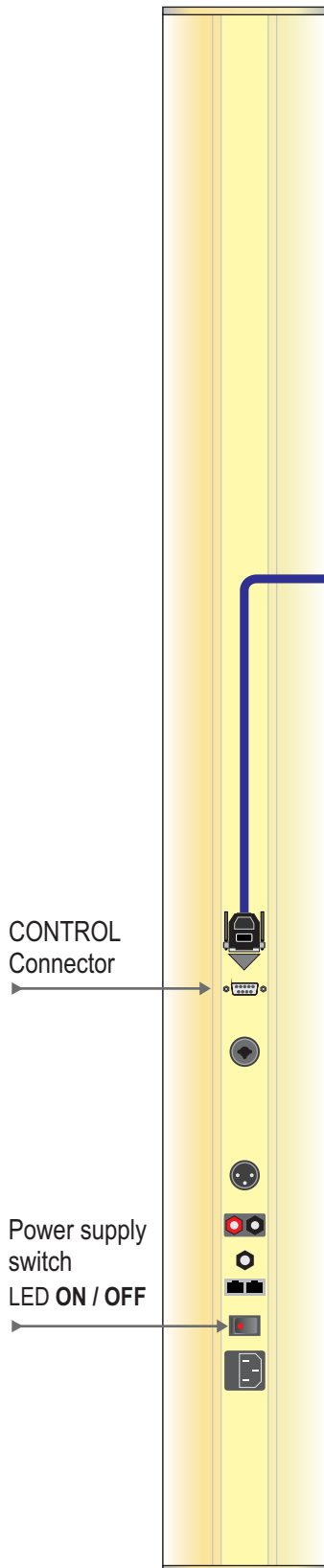


SIGNAL CONNECTION (L100V)



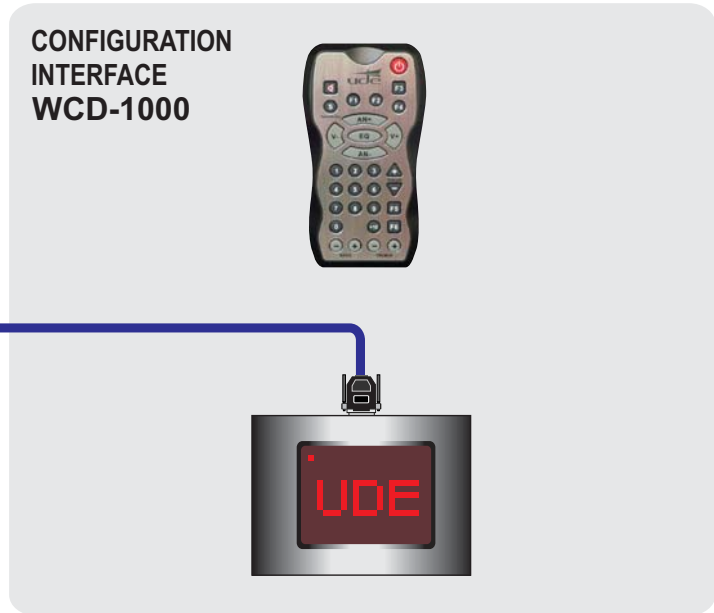
WCD-1000 INTERFACE CONNECTION

Once the column ACD-1005 / ACD-1505 is connected (Signal input and power supply), we shall proceed to the configuration in real time of all the features using the **WCD-1000 configuration interface**.



1 Activate the power supply switch of the column (**LED OFF**).

2 Connect the SUB-D-9 connector from the WCD-1000 interface to the connector (control) located on the column.



3 Activate the power supply switch of the column (**LED ON**).

4 The letters UDE will show up on the display followed by an illuminated point (STANDBY screen).



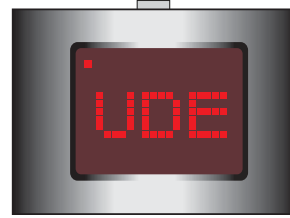
The ACD-1005/ACD-1505 column is in operation and we proceed to its **CONFIGURATION**.

5 Once the column is CONFIGURATED, the power supply switch must be activated (**LED OFF**) and the WCD-100 interface unplugged.

6 Once the WCD-1000 interface is unplugged, reactivate the power supply switch (**LED ON**) of the column. Now the column is operating with the adjustments previously configured.



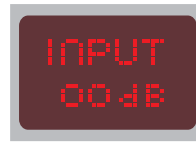
REMOTE CONTROL



WDC-1000

CONFIGURATION

INPUT SENSITIVITY

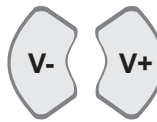


S To start (push 3 sec.)

S To select the sensitivity (0dB, -6dB, -10dB)

VOLUME

Min. 0 Max. 32



BASS

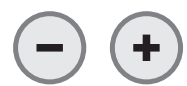
Min. 0dB Max. +6dB



BASS

TREBLE

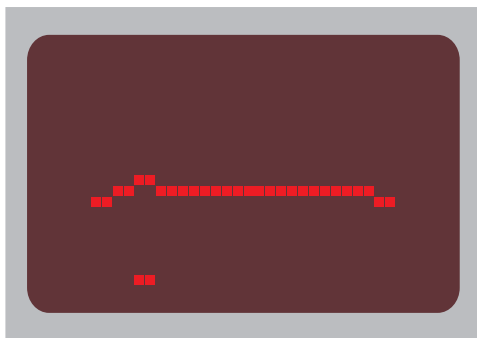
Min. 0dB Max. +6dB



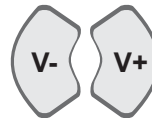
TREBLE

EQUALIZATION

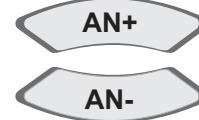
Range: 80Hz to 20 KHz.



Start EQ



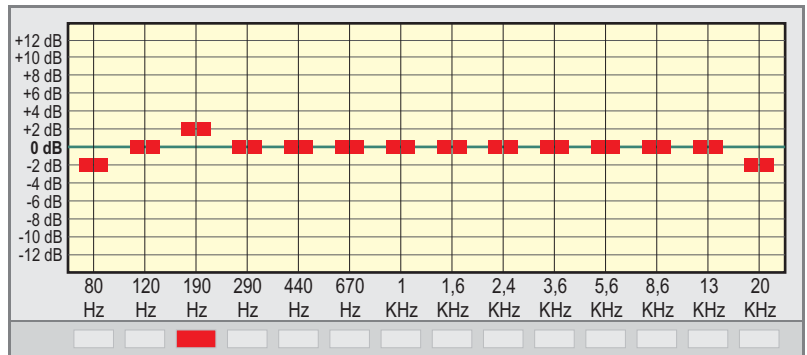
Select the frequency



Select the gain

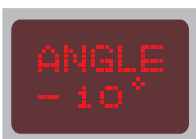


Finish EQ



LOBE INCLINATION

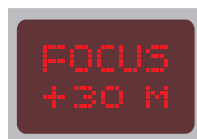
Max. +45° (Focus the ceiling)



Min. -45° (Focus the floor)

ACOUSTIC CENTRE

Max. +99 m.



Recommended: +30 m.

Min. +5 m.

SILENCE (MUTE)



To activate silencie



To deactivate



TO FINISH THE CONFIGURATION



If any operation is done with the remote control during 30 sec., it is showed the standby screen.

The adjustments are stored in the not volatile memory.