Public Address Systems

UDE, the best audio solution for your business

More than 30 years of dedication and constant evolution has made us a national and international leader in the design, manufacture and marketing of public address systems

Values:

- We offer quality, reliable and robust products and easy to use.
- We enhance the personal relationship of trust and respect with our clients.
- Teamwork: we promote the personal and professional growth of all the members of our team through methods that boost their training.
- We are environmentally friendly.
- Our commitment with guarantee services and after-sale services of our products.

Mission: To advise and provide support to our clients with the purpose of reinforcing the B2B cooperation and to ensure that our partners feel part of UDE team.

Vision: Our commitment to the future is based on the constant evolution of the R&D department to adapt and improve our range of products to the needs of today's market and our customers. We thank all the companies and customers whose trust has allowed us to fulfil our objectives and envision a future with excellent prospects.
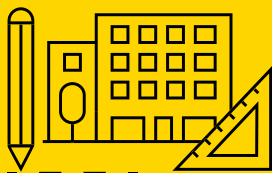
UDE present in over 40 countries

Our main asset is the trust and satisfaction of our customers which, together with the motivation, preparation and experience of our team, has helped UDE to establish a presence in over 40 countries worldwide.
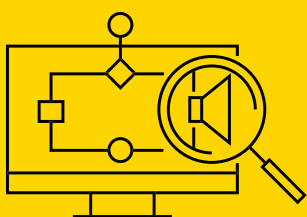
- Adaptability to different markets.

- Extensive network of partners and distributors.

- Pre-sales and after-sales services

- Specific training for our customers

- … and we continue to grow.
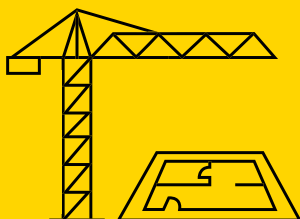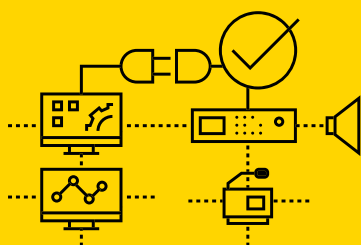
Project Management:
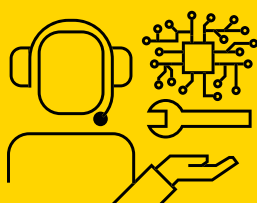
● Property

● Architect/Consultant

● Contractor

● System Integrator

● After-sales service
and guarantee

Our service philosophy

Continuously committed to adding value to our business and supported by our know-how in designing sound systems, UDE also offers its consulting services to customers that require it.

In this way we are involved in every stage of the construction process of any project. From the design of the project with the ownership, advice to consultants, support for installation and commissioning with contractors through to the after-sales services and guarantee of our equipment.

"We are passionate about advising our customers in audio solutions from the design of the project through to its commissioning."

Sergio Rovira, *General Manager*

Thanks to the diversity of our product range in the audio field, we can offer our customers solutions for the following applications:

· **Public Address Systems**

· **Voice evacuation**

· **Audiovisual**

· **Intercommunication**

We implement these applications in diverse industries such as:

Education

Hotels

Places of worship

Oil & Gas

Hospitals

Transport

Sports centres

Malls

Systems
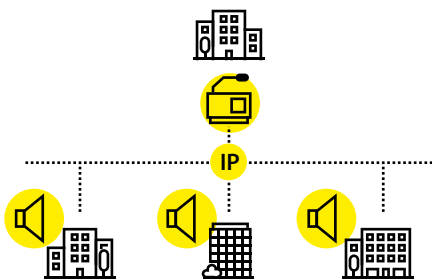
IP-based Public Address System

The modular IP-based public address system allows the distribution of audio signals using the existing data network infrastructure.

The system is configured and monitored in a decentralised way from any point in the network, facilitating its installation and subsequent maintenance. Ideal for applications such as train stations, schools, government offices, etc.

Main features:

Scalability

Decentralisation

Compatibility

Integration with SIP telephone switchboards

Referenced equipment:

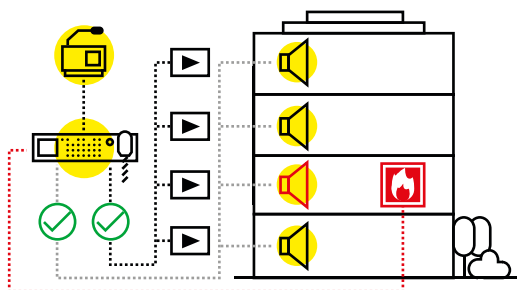|	
IPU - 100	IP Audio Encoder / Decoder
IPU - 100P	Paging desk with zone selection and touchscreen
IPU - 360	SIP management and monitoring server
IPU - 1025	IP Audio decoder with internal amplifier (25 W)

Voice Alarm System - EN 54

UDEVAC is an integrated Public Address and Voice Alarm system, designed and manufactured following the guidelines of the EN 54-16 standard.

The UDEVAC system offers all the essential features of a public address and voice alarm system, including system supervision, switching of backup amplifiers, loudspeaker lines supervision, management of paging and evacuation messages and a complete control of incidents through visual indicators.

Main features:

Compliance with the EN 54-16 standard

Supervision of 6 amplifiers and 6 redundant loudspeaker lines (A+B) per main station

Integration with fire alarm system

Scalable to up to 300 zones

Referenced equipment:

PZ-112	Paging desk with supervision
SLA-112	Main Station and supervision unit

DSP Active
Line Array Speakers

LINE ARRAY technology is very useful and versatile in reverberant and/or acoustically complex spaces.

The intelligibility of spoken words is undoubtedly one of the most important points when adapting a sound system to the acoustic requirements of any room.

The ACD-3008 / ACD-3012 column loudspeakers have an internal DSP that allows vertical beam control, with the goal of providing a uniform sound field and suppressing the side lobes in the covered area. These column loudspeakers are the perfect solution for applications such as auditoriums, places of worship, multi-purpose halls; among others.

Main features:

Real-time adjustment of all configurable parameters (EQ, volume, bass, treble, beam steering, input sensitivity, etc.)

High level of intelligibility

Adaptability to any installation: L100V and 0 dB

Referenced equipment:

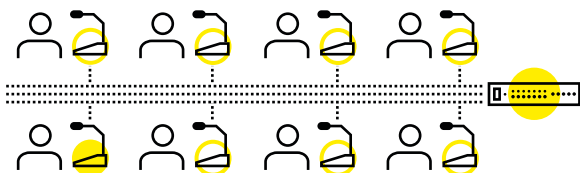| ACD-3008 | DSP Active line array Speaker. 240W |
| ACD-3012 | DSP Active line array Speaker. 360W |
| WCD-3000 | Configuration module |

Conference System

The purpose of the conference system is to enable communication in debating environments such as meeting rooms, courts, congresses, seminars, etc.

The SC conference system consists of table stand or built-in desk microphones and a control and power supply unit, which includes a feedback suppressor module. The desk microphones are managed, amplified and powered by the SC-400 unit which supports up to 60 desks connected on 3 different lines (and up to 120 using additional equipment).

Main features:

Integration with: the room's PA system, equalizer, recorder, pre-amplifier, etc.

Easy programming of the operating mode.
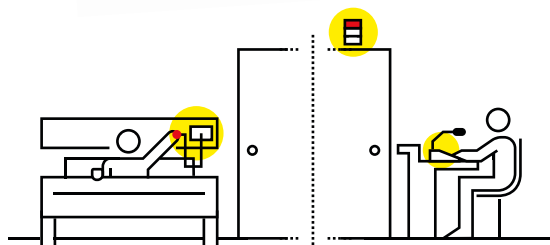
Allows up to 6 simultaneous participants.

Referenced equipment:

SC-401	Chairman microphone
SC-402	Delegate microphone
SC-400	Control unit

Nurse call system

In order to ensure effective and secure communication between patient and nurse, the UDECOM system has all the necessary functionalities to be the most suitable and competitive solution for intercommunication in healthcare areas.

Our range of intercommunication systems includes the SRD and UDECOM nurse call systems which cover management, communication and call service needs in hospital, clinical and geriatric environments.

In addition, the use of a server enables the monitoring of activities carried out in each room, and the generation of a database of both medical staff and patients.

Main features:

Full-duplex audio communication and presence management

Connection of up to 900 interconnected rooms

IP connectivity with server.

Integration with telephone switchboard

Referenced equipment:

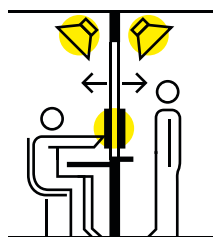|	
UC-102	Nurse station
UC-104	Room controller
UC-140	Independent bathroom controller
UW-18	Wireless telephone interface
UC-1001	Data management server

Window intercom system

The IV-5/M system can be used in different applications such as box offices, car parks, information stands, access controls, rail or bus stations, etc.

The main objective is to allow intercommunication in places where the glass of the windows hinders the two-way communication between the person on the inside and the person on the outside. These systems therefore enable acoustic enhancement in intercommunication.

Main features:

"Hands-free" system

Easy use and installation

Notch filters for adjusting to the acoustics of the box office

Integration with magnetic loops

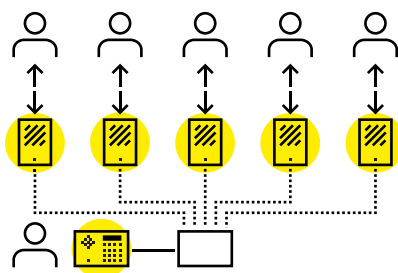## Referenced equipment:

PV-5	Inside microphone
IV-5	Outside microphone
WV-6	Main unit
AP-700	Inside/outside loudspeaker. 3W

Digital intercom system

INTERCOM-200 allows digital intercommunication for applications such as schools, offices and facilities with evacuation requirements for disabled people.

The system manages up to 300 intercommunication points and allows communications to be transferred to both other main stations in the system and the telephone switchboard. Its modular concept makes it easy to expand its capacity adapting the equipment to the needs in each case.

Main features:

Full-duplex audio communication

Transfer of calls to other main stations and the telephone switchboard

Configuration software
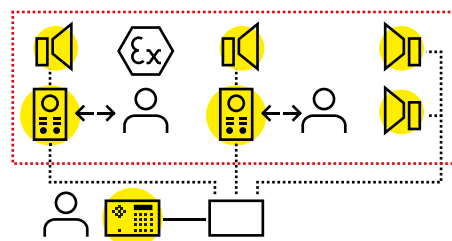
Integration with PA system

Referenced equipment:

IR-404	Intercom unit
ID-200	Main station
IW-18	Wireless telephone interface

Explosion-proof intercom system

Public address and intercom system for industrial facilities in areas with risk of explosion.

Oil plants, gas plants, silos, petrochemical companies, etc. have areas with a high risk of explosion, so it is essential to use ATEX certified equipment.

The INTERCOM 500 system is a point-to-multipoint communication system consisting of ATEX certified horn speakers and intercom units with IP 65 degree of protection.

Main features:

ATEX certification

IP 65 degree of protection

Intercom and public address system

Referenced equipment:

IR-62/2	ATEX intercom Unit
SA-30	Driver unit for horn loudspeaker. 30 W. ATEX

Background music system

A compact easy-to-use audio solution designed for the residential sector.

The AV-220 is the ideal background music system solution for low-power applications such as homes, offices, hotels, restaurants, shops, etc. It is a compact system which offers the appropriate power and features for these types of applications. Its easy use and installation makes it a retail solution that can be used and enjoyed by any type of consumer.

Main features:

Powered stereo system. 10W + 10W.

Multiple audio inputs: Bluetooth, USB, SD, Radio and line inputs

Functional design

Built-in and surface mount

Referenced equipment:

AV-220   Amplified background music system.

Portable sound units

In UDE we have a range of portable PA systems for low, medium and high power.

They are stand-alone systems which meet all the necessary requirements to be used in applications such as conferences, sports events, dance classes, gymnasiums, etc. In short, applications in which failing to have a fixed and local sound system can be resolved easily and practically with the use of this portable equipment. In addition, being easy to use makes it an audio solution for any type of consumer.

Main features:

Internal amplifier: 10 W-180 W

Rechargeable battery

Include wireless microphones, music source and audio inputs

Referenced equipment:

WA-700	Low-power portable sound unit. 10W.
UD-360	Medium-power portable sound unit. 50W.
UD-800	High-power portable sound unit. 100W.
UD-980	High-power portable sound unit. 180 W.
SINCRO-100	Portable sound unit for synchronised swimming.

Equipment

Microphones and paging desks

Our range has a wide variety of microphones and paging desks
designed for both PA and audiovisual applications.

Hand-held microphones

Surface microphones

Wireless microphones

Desk microphones

Paging desks

Music Sources

The RM-101 allows music playback using different media, such as CD, USB or SD card. The equipment also includes an FM tuner for radio.

RM-101

CD player and MP3 files

USB and SD

FM tuner

Pre-recorded message player

We have different solutions for broadcasting pre-recorded messages which enable, among other things, integration with third-party systems and the automatic playback of messages based on a calendar. We offer two types of equipment to adapt better to project needs.

GD-36

Internal calendar for automatic message playback

EVAC compatibility – 24 VDC input and message monitoring

Integration with fire alarm system

Connection to IP network

GD-1000

Up to 1440 events per day through internal calendar

Front push buttons to play messages

Software management with *MasterSwitch*

Mixers

For both audiovisual applications as well as medium and high power public address systems, our range of mixers has the necessary features to mix any audio input signal in the system and to modify its parameters.

PX-99

8 MIC/AUX inputs / 2 outputs

Individual adjustment of volume, bass and treble

Compatible with WXD-19 feedback suppressor

Enables the configuration of presets through SF-99 software.

PXD-59

5 MIC/AUX inputs

Individual adjustment of volume, bass and treble

Compatible with WXD-19 feedback suppressor

Assigning priorities via remote controls

Signal Processing

Within the audio chain, equipment is optionally used which processes the audio signal or adds new features or improves existing ones.

IT-15

Telephone interface: allows the public address system to be integrated with a telephone switchboard to make announcements from a particular extension.

GR-20

Signal distributor: device used for press passes that makes it possible to take a sound signal and distribute it to 20 independent outputs.

Audio matrix and zone modules

One of the most common requirements for public address systems is the routing of signals or selecting zones to be able to make announcements to specific zones of the installation. Depending on scale of the project we offer different alternatives:

MICRO-400

5 IN / 4 OUT Self-amplified audio matrix

120W Internal amplifier per channel

Includes MP3 Player and Tuner

Connection of up to 4 paging desks (PZ-400)

Priority telephone input

MICRO-800

8 IN / 8 OUT Audio Matrix

Scalable to 32 zones

Connection of up to 2 paging desks (MX-801)

Connection with remote panels for source selection and volume control (MX-888)

Includes EVAC functionalities (Integration with fire alarm system, 24 VDC input, siren playback, etc.)

MICRO-600

Zone module system

Management of up to 6 announcement and music zones

Override function for volume controllers

Connection of up to 6 paging desks (PZ-600)

Integration with fire alarm system

MICRO-1000

Zone module system

Management of up to 10 announcement and music zones

Scalable to 300 zones

Connection of up to 16 paging desks (PZ-1000A)

Integration with fire alarm system

Mixing Amplifiers

The **mixing amplifiers** provide a compact solution for low and medium power installations. We have 2 series:

X5 series

Power from 40 W to 240 W

Robust and economical solution

XD9 series

Power from 120 W to 240 W

Class D amplifiers

Allows insertion of function modules
(Feedback suppressor, priority inputs,
modulation detection, volume controllers, etc.)

Power Amplifiers

The **power amplifiers** are designed for medium and high power applications to offer greater flexibility and adaptability.

EP series

Power from 60 W to 1000 W

Output channels: 1 or 4

Robust and economical solution

EPD series

Power from 240 W to 1000 W

Output channels: 1, 2 or 4

Class D amplifiers

L100V without transformer – 1U Rack

EVAC compatibility – 24 VDC input

Loudspeakers

We have a complete range of loudspeakers to cover different applications as well as different power requirements. Within each category we offer different models to adapt as best as possible to the demands of each project.

Technical Features:

Low and high impedance

High power range: 5 W - 80 W

Categories:

Ceiling speakers

Wall mount speakers

Column speakers

Horn speakers

Sound projectors and spheres

Garden speakers

Explosion-proof loudspeakers – ATEX

Volume controllers

The main function of the volume controllers is to decrease the signal of one or a set of speakers without interfering with the rest of the system. We have volume controllers for low and high impedance and for different power requirements.

Low impedance: 5 W

High impedance: 5 W or 60 W

They include override function

MELIÃ   FRED. OLSEN Express   acciona   GE   San Miguel   (US Seal)   airberlin   CLH   AIR LIQUIDE

CEPSA   ONCE   CITROËN   enagas   PARQUE WARNER MADRID   REPSOL   BURGER KING   DANONE

LEROY MERLIN   renfe   DISBESA grupo   FERRARI LAND   adif   UPC   FAGOR   MICHELIN

> " Thanks to all the Companies and Organisations that have entrusted UDE with bringing sound to the world. "
>
> UDE

Oman College of Management and Technology, **Oman**

Higher Institute of Technology, **Saudi Arabia**

Sanctuary of the Divine Mercy of Our Lord, **Ecuador**

Malaga Cathedral, **Spain**

Campus UPC – Besos, **Spain**

Chimbote Cathedral, **Peru**

US Embassy Sofia, **Bulgaria**

Campus ADNOC, **UAE**

Bahrain Financial Harbour, **Bahrain**

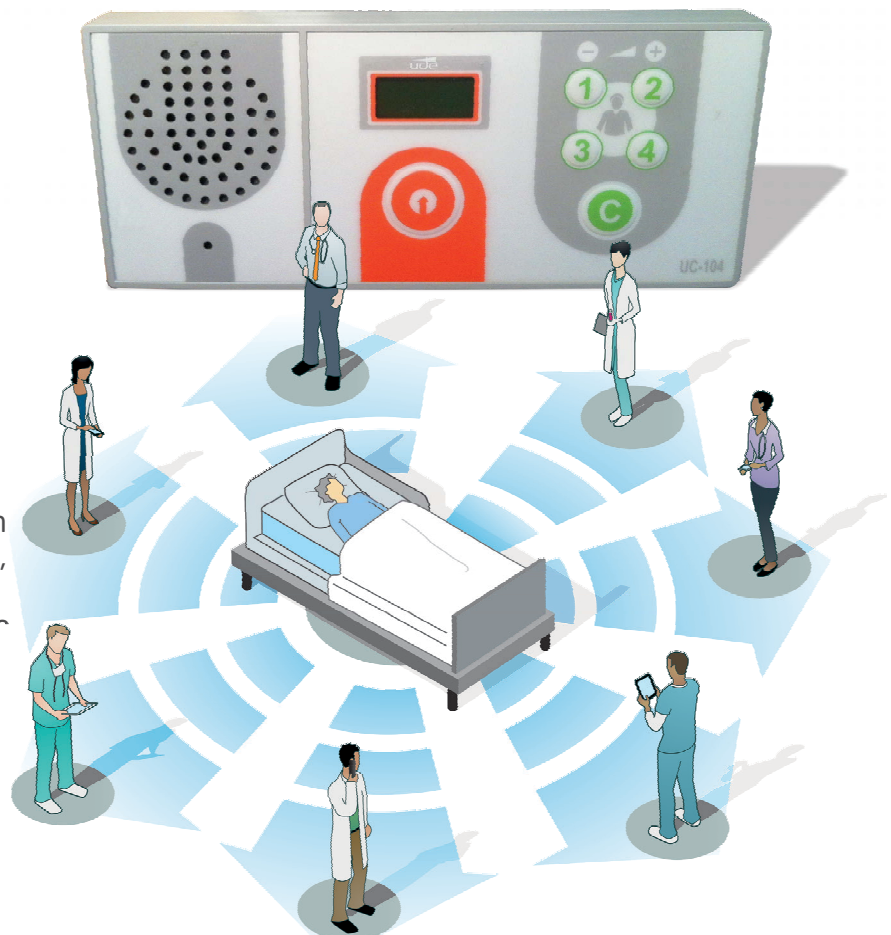# udeCOM

HEALTHCARE
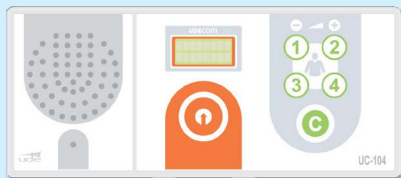## INTERCOMMUNICATION SYSTEM

Benefits

- Healthcare communication in hospitals and old people's homes with almost 900 rooms and 14 control stations.

- Assistance of alarms generated manually or automatically by each room or by any control station. Using the wireless telephone interface (UW-18), the assistance of alarms can be managed from a wireless pone (mobility control).

- Call identification (room and bed of origin, alarm type...) and its assistance.

- Illuminated signal in the room or bathroom where the alarm is activated and from a specific type: presence, normal, urgency and emergency.

- Bidirectional voice communication between resident and control station.

- Physical presence signal from staff in a bedroom. The staff (doctors, nurses, assistants, etc) physical presence in a bedroom is activated by introducing presence codes according to the type of staff.

- Physical presence signals will appear on:
  - The room substation.
  - The corridor using the pilot light on the bedroom's door.
  - The control station.

Modular system of intercommunication and signs for hospital environments, clinics and geriatrics.
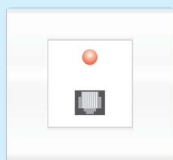
The multiple functions, the simplicity of use and installation make **UDECOM** the most suitable and competitive solution among healthcare fields.
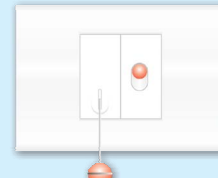
ROOM MODULES

UC-104
Substation Room

UW-13
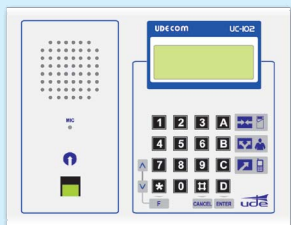Call Module

UW-10
Push Button for calling

UW-11
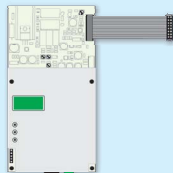On door pilot

UW-14
Bath call

CONTROL STATION MODULES
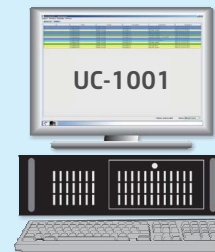
UC-102
Control Station

UdeConf-UC102
System configuration Software

UW-18
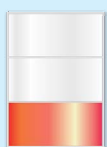Wireless telephones interface
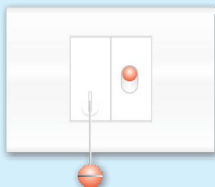
UW-25A
Power supply

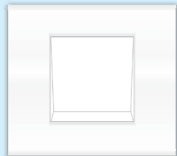**UC-1001**
Computer control and management system

INDEPENDENT BATHROOM MODULES

UC-140
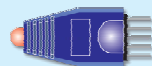Substation Bathroom

UW-14
Bath call

UW-19
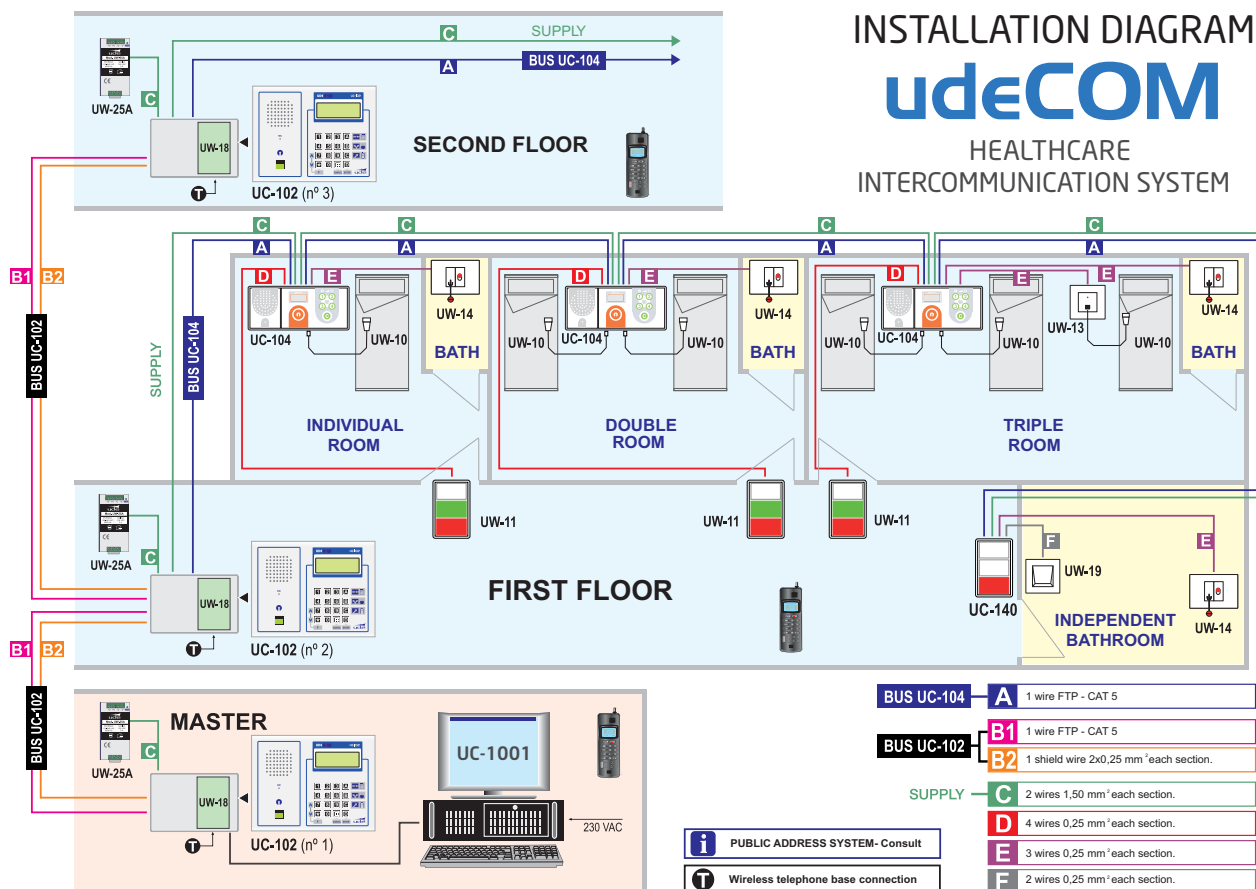Bath call cancelation

TEST AND CONFIGURATION MODULES

UW-T
Key Technical mode

UW-R
Test Receiver

UW-G
Test Emitter

INSTALLATION DIAGRAM

udeCOM

HEALTHCARE
INTERCOMMUNICATION SYSTEM

C SUPPLY
A BUS UC-104

SECOND FLOOR

UW-25A

UW-18

UC-102 (nº 3)

BUS UC-102

SUPPLY

BUS UC-104

UC-104 — UW-10 — UW-14 — BATH

INDIVIDUAL ROOM

UW-10 — UC-104 — UW-10 — UW-14 — BATH

DOUBLE ROOM

UW-10 — UC-104 — UW-10 — UW-13 — UW-10 — UW-14 — BATH

TRIPLE ROOM

UW-11   UW-11   UW-11

FIRST FLOOR

UW-25A

UW-18

UC-102 (nº 2)

UC-140

UW-19

UW-14

INDEPENDENT BATHROOM

MASTER

UW-25A

UW-18

UC-102 (nº 1)

UC-1001

230 VAC

BUS UC-104	A	1 wire FTP - CAT 5
BUS UC-102	B1	1 wire FTP - CAT 5
	B2	1 shield wire 2x0,25 mm² each section.
SUPPLY	C	2 wires 1,50 mm² each section.
	D	4 wires 0,25 mm² each section.
	E	3 wires 0,25 mm² each section.
	F	2 wires 0,25 mm² each section.

i PUBLIC ADDRESS SYSTEM- Consult

T Wireless telephone base connection

UNION DESARROLLOS ELECTRONICOS

For more information visit our website:
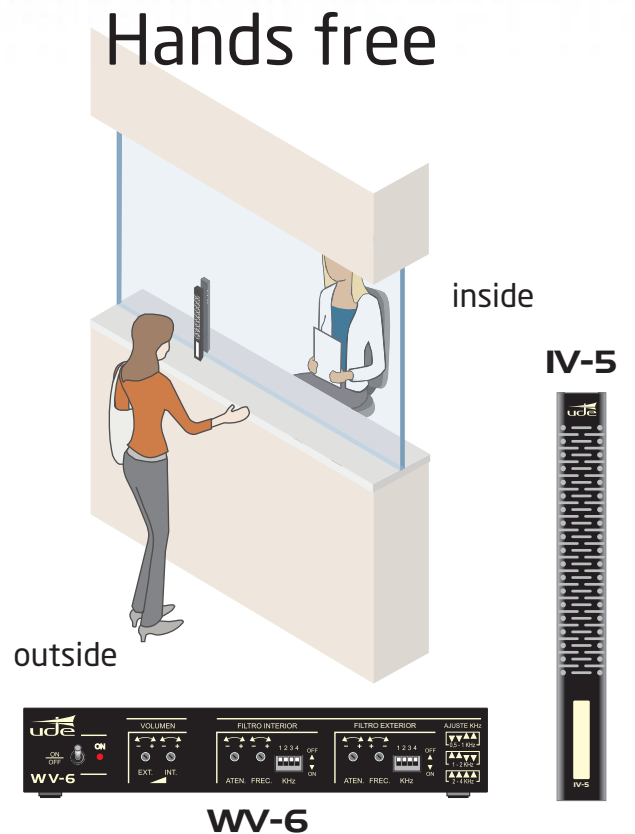
www.udeaudio.com

IV-5/M

Duplex Intercom System for windows

Applications

- Payment lockers
- Parkings
- Railway stations
- Bus stations
- Maritime stations
- Information offices
- Access Control

Hands free
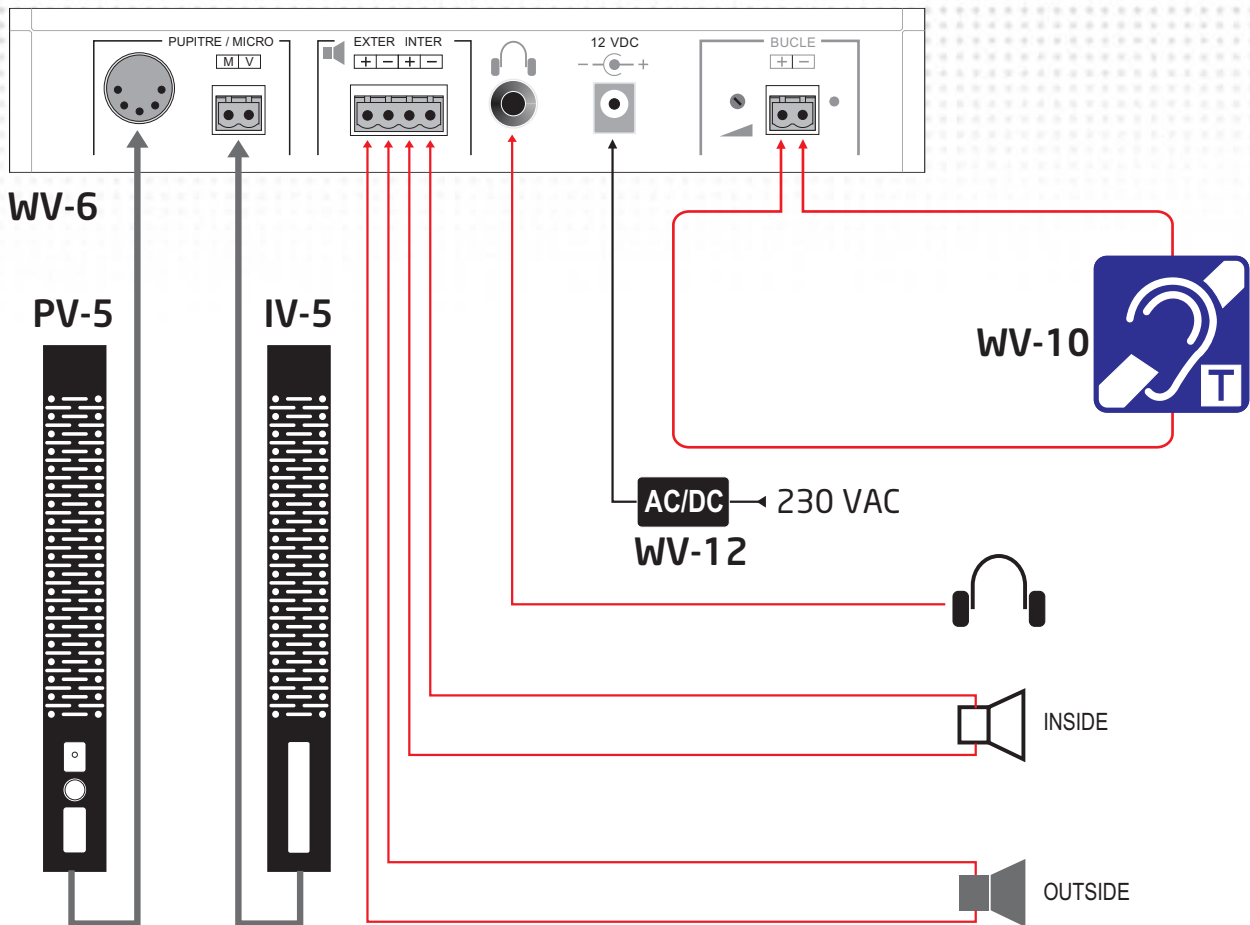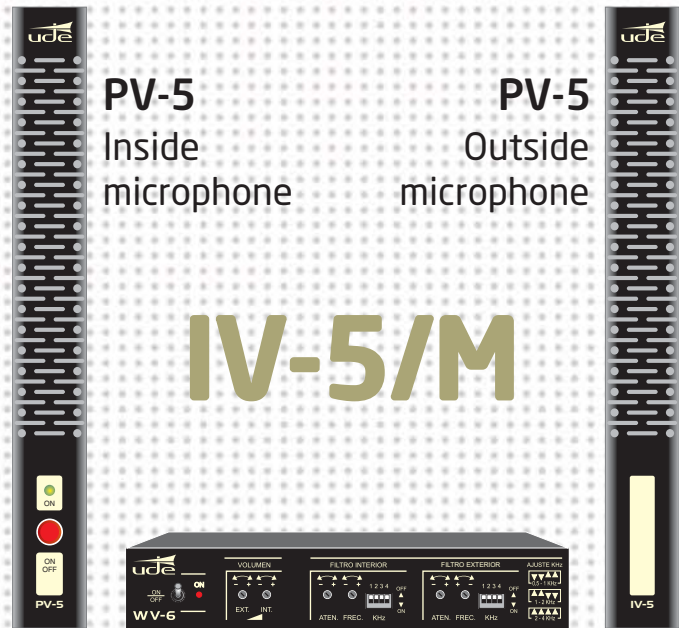
inside

outside

PV-5

IV-5

WV-6

Simultaneous, automatic and duplex intercom system (hands free), with built-in antilarsen device. It is specially useful in spoken communication where glazing separates people communication from one side to another.

IV-5/M Composition:

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

Optional:

- Inside loudspeaker
  (recommended AP-700).
- Outside loudspeaker
  (recommended AP-700).
- Phones.
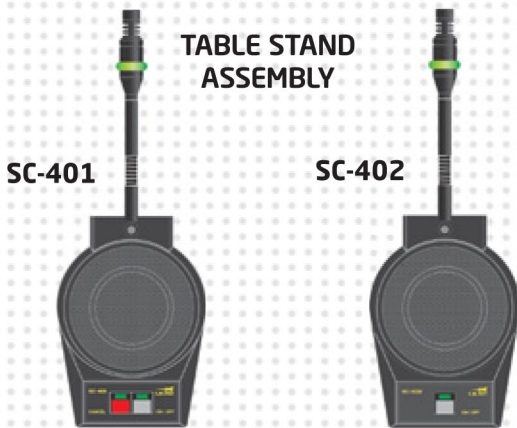- Magnetic loop to help hearing
  disabled person (WV-10).

PV-5
Inside
microphone

PV-5
Outside
microphone

IV-5/M

UNION
DESARROLLOS
ELECTRONICOS s.a.

SC Conference system

Applications

- Lectures
- Administrations
- Town halls
- Companies
- Congress
- Meetings
- Debates
- Seminars
- Hotels
- Assembly halls
- Associations
- Communities

TABLE STAND ASSEMBLY

SC-401 **SC-402**

BUILT - IN ASSEMBLY

SC-401/E **SC-402/E**

President paging desk
Includes:
-Priority push button CANCEL
-Speech push button ON/OFF
-Loudspeaker
-Microphone with light ring

President paging desk
Includes:
-Speech push button ON/OFF
-Loudspeaker
-Microphone with light ring

President paging desk
Includes:
-Priority push button CANCEL
-Speech push button ON/OFF
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-Microphone with light ring

President paging desk
Includes:
-Speech push button ON/OFF
-Loudspeaker
-Microphone with light ring

Basic Operation

By using the SC-400 control unit, the system can operate in two different ways:

SC-400 Control unit

Provides management, amplification and power to the whole system.

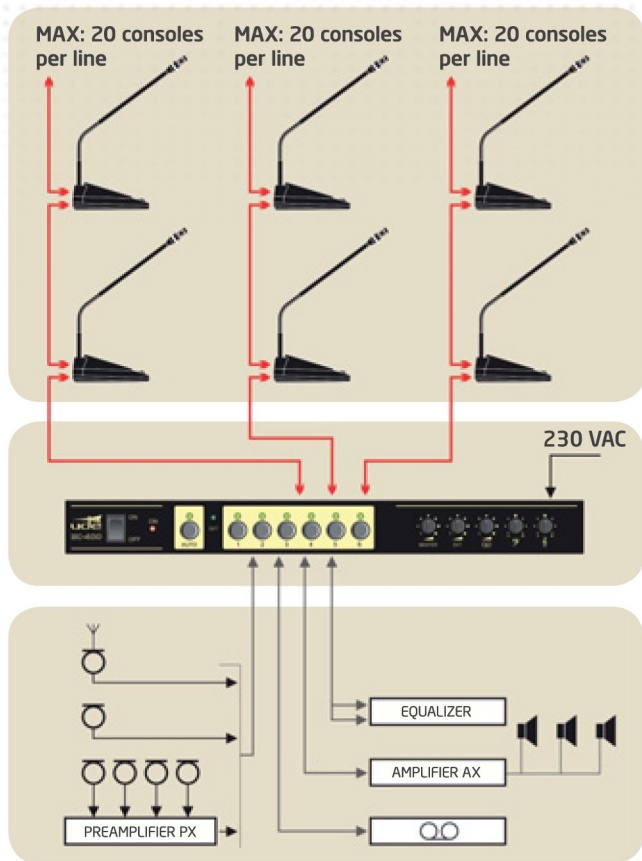**Automatic mode:** Only one delegate at a time. Disconnection will be automatically done once another delegate intervenes in the meeting or debate.

Simultaneous mode: Limited number of delegates. Each delegate is responsible of taking or leaving his/her turn by using the push button "ON/OFF". The limited number of simultaneous delegates can change between 1 or 6 delegates according to the number chosen in the control unit.

MAX: 20 consoles per line

MAX: 20 consoles per line

MAX: 20 consoles per line

230 VAC

EQUALIZER

AMPLIFIER AX

PREAMPLIFIER PX

The conference system is composed by built-in or table stand paging desks. Each console includes a microphone with a green ring light, a push button ON/OFF and a loudspeaker. Besides, the presidential paging desks has an additional push button which function consists on cancelling all present consoles. This way, the presidential paging desk has the highest priority assigned.

Paging desks are managed, amplified and powered by a control unit that supports a number of 60 paging desks in 3 different lines (extendable to a number of 120 using additional equipment).

Among other possibilities, the system allows also:

• The connection of one or more outer microphones (wireless, etc) for other type of interventions.

• Recording and playing the events that are carried out.
• The connection to a Public Address system, etc.

UNION DESARROLLOS ELECTRONICOS

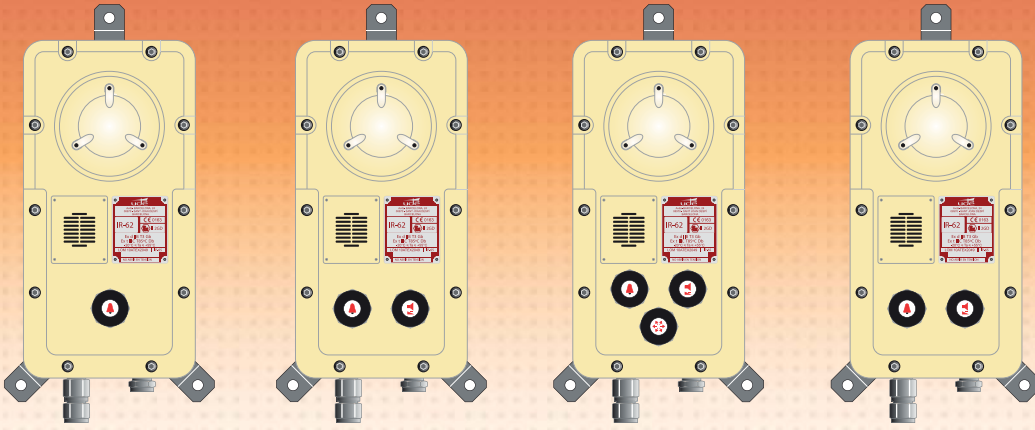Intercommunication and PA system for facilities in hazardous areas.

Approval

II 2 GD
Ex d IIB T3 Gb
Ex t IIIC T85 ºC Db
-20 ºC ≤ Ta ≤ +55 ºC

Applications

- Petrochemistry.
- Plants for gas load, unload and storage.
- Gas pipelines.
- Silos.
- Oil ship.
- Oil plants.

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INTERCOM SUBSTATION. Certification LOM 10ATEX2049

DRIVER UNIT FOR HORN LOUDSPEAKER
Certification: LOM 10ATEX2050

IR-62/1
Includes:
- Push button for call / General notice
- 30 W. Loudspeaker. L100V
- Electret microphone
- Protection degree: IP-65

IR-62/2
Includes:
- Push button for central call
- Push button for volume reduction
- 30W. Loudspeaker. L100V
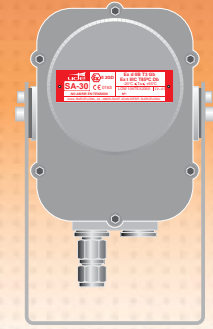- Electret microphone
- Protection degree: IP-65

IR-62/3
Includes:
- Push button for general call
- Push button for central call
- Push button for volume reduction
- 30W. Loudspeaker. L100V
- Electret microphone
- Protection degree: IP-65

IR-62/P
Includes:
- Push button for central call
- Push button for volume reduction
- 30W. Loudspeaker.16 ohms
- Electret microphone
- Protection degree: IP-65

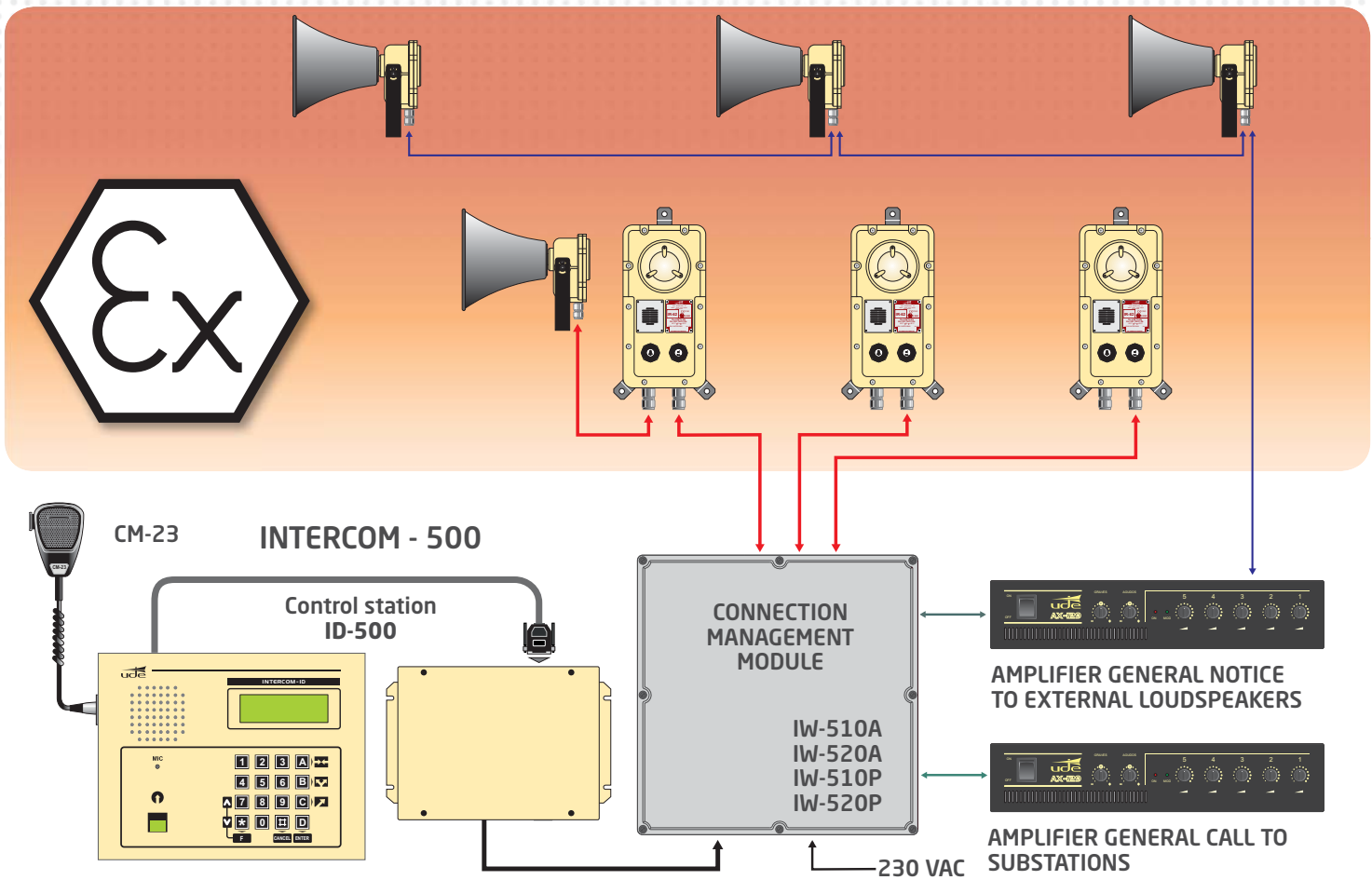### SA-30
- Power (L100V): 30,15,7'5,3 W
- Direct impedance: 16 ohms
- Frequency range: 150-10000Hz
- SPL (1KHz/1m): 107 dB (1W).
- Application:
- BP-30/SA-30. - BG-50/SA-30
- SA-30/S. As standard EN 60849
- Protection degree: IP-65

Application used for industrial and marine environments with potential danger of explosion. These can be used in atmospheres with types of gas A and B, with an ignition temperature higher than 200 °C (T3), which means they can be used in a high number of security facilities.
The superficial temperature tag "T85°C" refers to the use in environments with combustible powder in absence of gas.
LOM 10ATEX2049 and LOM 10ATEX2050 certifications are valid for every country in the European Union.

CM-23

INTERCOM - 500

Control station ID-500

CONNECTION MANAGEMENT MODULE

IW-510A
IW-520A
IW-510P
IW-520P

230 VAC

AMPLIFIER GENERAL NOTICE TO EXTERNAL LOUDSPEAKERS

AMPLIFIER GENERAL CALL TO SUBSTATIONS

UNION DESARROLLOS ELECTRONICOS

For more information visit our website:

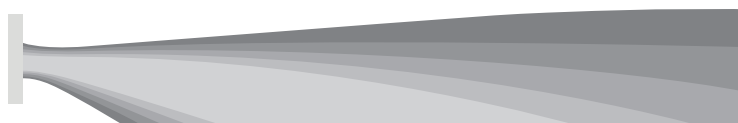# www.udeaudio.com

◂ ACD-3012

ACD-3008
▾

DSP Active Line Array Speaker

Especially designed for use in reverberant spaces or with acoustic complexity

· Sport facilities
· Train stations
· Airports
· Large Areas
· Religious centers

⚡ ENERGY SAVING

🎛 USER-FRIENDLY CONFIGURATION

✅ HIGH LEVEL OF INTELLIGIBILITY

∞ ADAPTABLE TO ALL KIND OF INSTALLATIONS

ENGINEERED
ude
MADE IN SPAIN

· Adjustable sound beam.
· Uniform coverage within the listening area.
· Line level (0 dB) input/output. (XLR).
· Input from loudspeakers line (Terminals):
    High impedance: L100V / L70V.
    Low impedance: 4 – 8 ohms.
· Sensitivity adjustment: 0 dB / -3 dB / -6 dB.
· VOX Mode.
· 15 band graphic equalizer with a gain adjustment of +/- 10 dB.
· Speech Filter.
· Use for indoor and outdoor applications.

The ACD-3008 / ACD-3012 has been designed and manufactured as a LINE ARRAY of speakers with high intelligibility performance.

The new DSP algorithms developed and implemented in the column's firmware enables a more efficient and precise control of the vertical sound beam with the main aim of obtaining a uniform sound field on the covered area as well as avoiding any reverberant effects that certain spaces may cause due to its acoustic complexity.
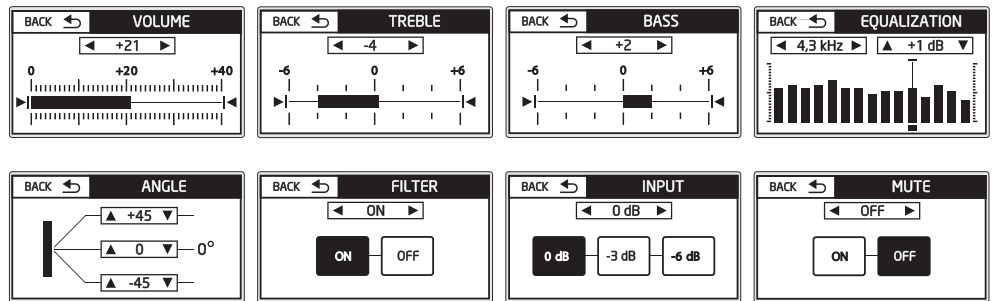
From the energy point of view, these line array speakers have been optimized with different modes of consumption (ON, MUTE, ECO) depending on the signal level's detection obtained by using the VOX feature.

The construction of the line array speakers, completely made of aluminum, enhance their life-span within environments with a high level of humidity.
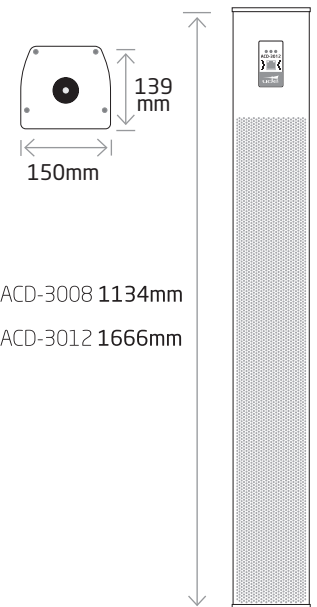
WCD-3000 Interface

The WCD-3000 interface allows a simple and user-friendly adjustment of all the internal parameters of the ACD-3008 / ACD-3012 line array speakers. Besides this adjustment can be done from the listening area (up to 100 meters distance away from the speaker) which allows a more accurate configuration.
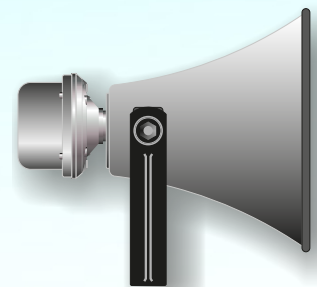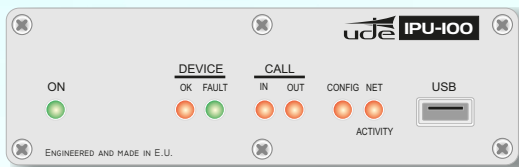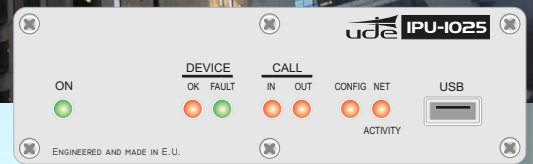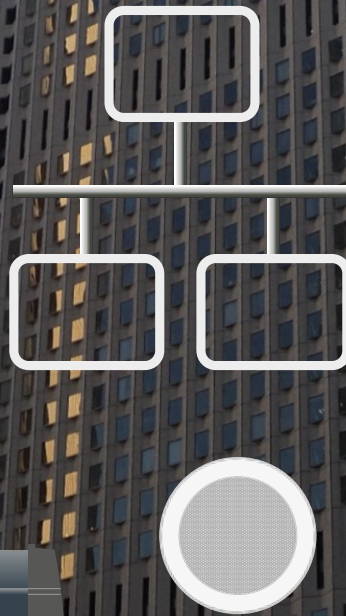
FEATURES	ACD-3008	ACD-3012
Speakers	8 x 4"	12 x 4"
Type of speaker	Kapton Cone (specially for outdoor and humid environments)	
Type of amplifier	PWM (class D)	
Rated power	240 W.	360 W.
Frequency response	80 Hz - 20.000 Hz	
SPL Level (at 30m)	90 dB SPL	91 dB SPL
Range	>30 meters	>40 meters
Horizontal dispersion	140°	
Sound beam angle adjustment	+/- 45 positions (45°)	
Signal input/output	Balanced / Unbalanced	
L100V input	Balanced	
Sensitivity	0 dB / -3 dB / -6 dB	
Communication protocol with WCD-3000	RS-485 (9600 Baud)	
Maximum Consumption (ON mode)	400 W.	650 W.
Consumption (ECO mode)	5 W.	
Consumption (MUTE mode)	30 W.	
Power supply	230 VAC. / 50-60 Hz.	
Colour	Ivory - Ral1015	
Wall mounting	By using 2 squads (provided with the product)	
Weight	19 Kg.	27 Kg.

139 mm
150mm

ACD-3008 1134mm
ACD-3012 1666mm

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PUBLIC ADDRESS SYSTEM

The IP-based Public Address system manufactured by UNIÓN DESARROLLOS ELECTRÓNICOS enables the setting up of conventional and security public address systems. The connectivity between IP devices is ensured by the SIP standard compliance of own development.
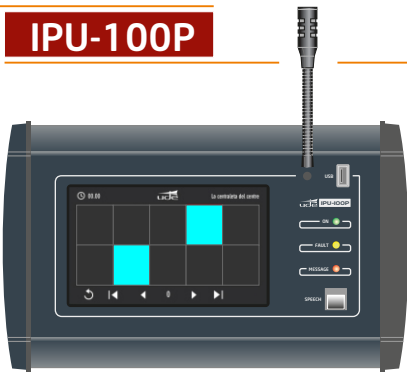
Applications:

- Schools/Universities.
- Sport Centers.
- Industrial areas.
- Commercial and Retail.
- Airports.

IP-based
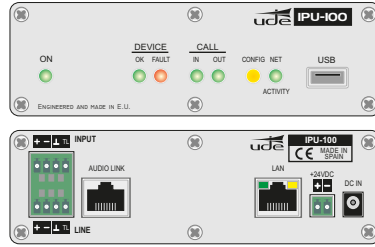## Public Address System

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IPU-100P

Paging desk.

The IPU-100P is responsible of the management of different paging zones individually or by group of zones. The paging desk provides a GUI color touch screen for operation.

IPU-100

IP Encoder/Decoder Audio Manager.

The IPU-100 provides different options within the same device: encoder, decoder and audio manager. With the IPU-100, the user may:
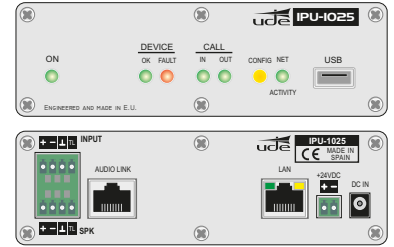
- Connect to conventional amplifiers using an audio output.
- Connect to an IP-based paging desk (IPU-100P).
- Connect to a music source by using the LINE input.
- Connect to a microphone with/without PHANTOM supply by using the MIC input.

The internal webserver of the device enables the user to:

- Monitor the status of the device.
- Configure all features both network and audio related.

This device supports POE.

IPU-1025

IP Audio Decoder with 25W.

The IPU-1025 provides different options within the same device: mixer amplifier, decoder and audio manager. With the IPU-1025, the user may:

- Connect to low impedance speakers.
- Connect to a music source by using the LINE input.
- Connect to a microphone with/without PHANTOM supply by using the MIC input.

The internal webserver of the device enables the user to:

- Monitor the status of the device.
- Configure all features both network and audio related.

IPU-360

IP Audio Server.

The IPU-360 SIP centralizes and coordinates all communication between the IP devices ensuring maximum functionality for all of them. Through its internal webserver, the user may:

- Monitor the status of the server.
- Manage and register IPU-100 and IPU-1025 devices.
- Configure its network features.
- Configure the users features (Ex: password control).
- Create **Music On Hold** groups.

IPW-25

Power supply source

The IPW-25 provides power supply to all IP devices except the audio server (IPU-360)

Accessories

IPW-10
Wall bracket for IPU-100 / IPU-1025.

IPW-13
Rack mounting support (1U).
Capacity: 3 modules IPU-100 / IPU-1025.

IPU-100P

IPU-100

AMPLIFIER
POWER AMPLIFIER

IP Network

IPU-100

IPU-1025

IPU-1025

IPU-360

IPU-100

AMPLIFIER
POWER AMPLIFIER

UNION DESARROLLOS ELECTRONICOS

For more information visit our website:
www.udeaudio.com