

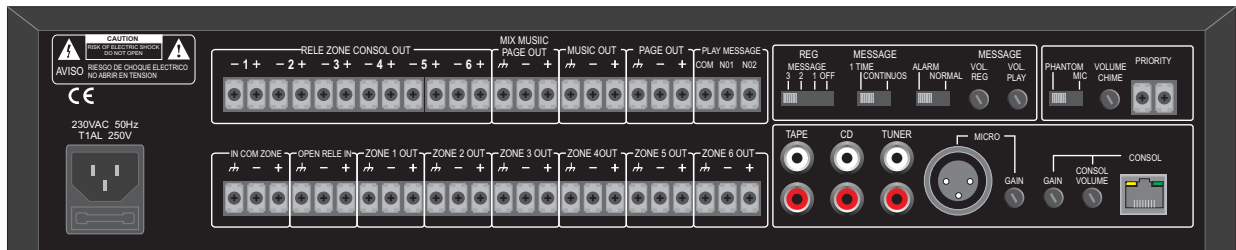
WZ-600 / PZ-600



CONTROL MODULE WITH 6 ZONES SELECTOR PAGING DESK WITH ZONE SELECTION

MICRO-600 SYSTEM

WZ-600 CONTROL MODULE WITH 6 ZONES SELECTOR



The MICRO-600 System is the ideal system for small and medium applications.

The WZ-600 module allows the management of any music input, announcements and pre-recorded messages with any of the 6 outputs, providing flexibility, through the switches located on the front of the equipment. All inputs allow volume management and are equipped with a bass and treble filter.

We can connect an amplifier for 6 zones or 6 amplifiers, one per each zone. 6 PZ-600 desks interconnected via audio and data bus, interconnection via FTP cable, providing a flexible, reliable and easy-to-use system.

MAIN CHARACTERISTICS

- 6-zone selector for broadcasting music.
- Sending pre-recorded messages with priority activation for Attenuator.
- 3 pre-recorded messages of 1 minute each.
- Chime with volume control.
- 3 inputs selection for music
- External MIC input with phantom power and gain level control
- Maximum power-line speaker: 500 W.
- 3 levels of priority.
 - 1st Messages
 - 2nd Desk PZ-600 paging desk
 - 3rd external Micro (PRIORITY contact closure)
- COM port by RJ45 connector for remote PZ-600 desk.
- Control of volume and gain throught the COM port.
- Front control for broadcast and recording of messages.
- Independent volume control for message broadcast and recording
- Remote control for activation of priority over music and chime activation
- 6 balanced output zones
- 6 24VDC outputs for priority attenuators (4 wires).

TECHNICAL SPECIFICATIONS

Console Input

Sensitivity:	1,5V
S/N Ratio:	>68dB
Frequency response:	50 a 16KHz (-3dB)

External MIC Input

Sensitivity:	2,5 / 200 mV
S/N Ratio:	>68dB
Frequency response:	50 a 16KHz (-3dB)
Phantom Power:	48V

AUX 3 Input

Sensitivity/Impedance TAPE	200 mV /47 Kohms
Sensitivity/Impedance CD	500 mV /47 Kohms
Sensitivity/Impedance TUNER	200 mV /47 Kohms
S/N Ratio:	>80dB
Frequency response	20 a 16KHz (-3dB)

Controls

Bass:	±10dB
Treble:	±10dB
Chime:	4 tones activated by remote control
Distortion:	> 0,1%.

General

Power Source:	230 VAC - 50/60 Hz
Weight:	6,60 Kg.



EQUIPOS Y SISTEMAS MEGAFONÍA / INTERCOM • PUBLIC ADDRESS SYSTEMS

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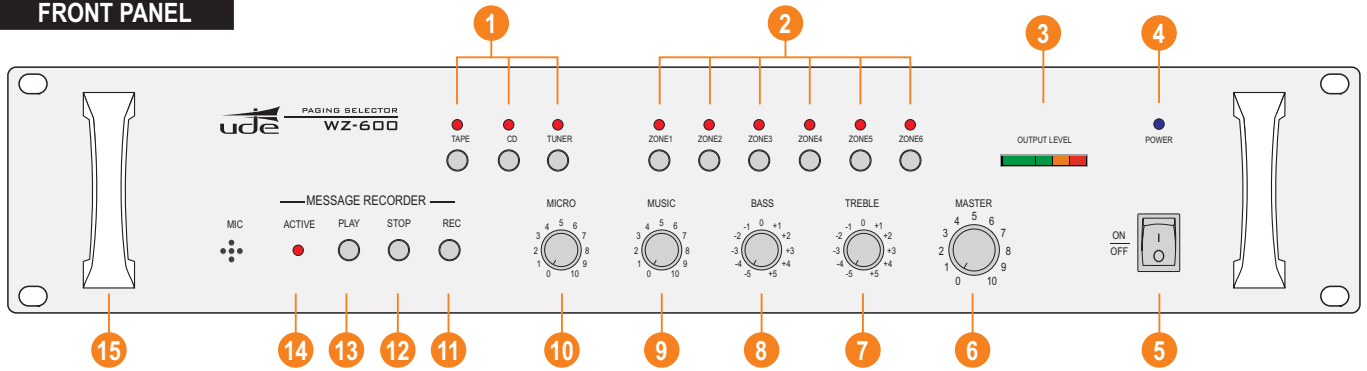


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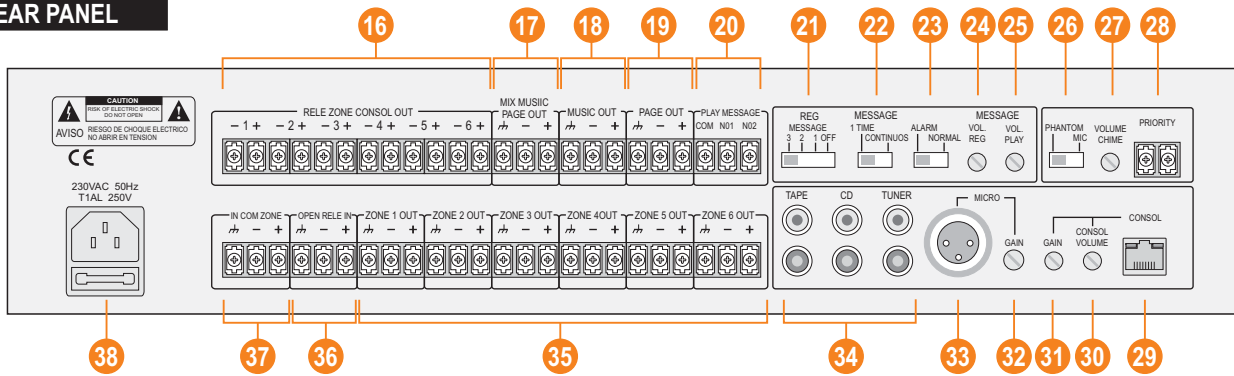
rev.1 610.500A 1 / 6

WZ-600 SWITCHING AND CONNECTION MODULE

FRONT PANEL



REAR PANEL



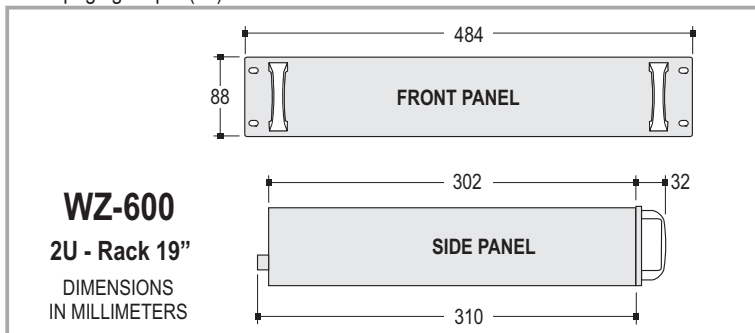
FRONT PANEL

- 1 Sectors zones for sending music
- 2 Selectors input music source
- 3 Signal level LED indicator
- 4 Power LED indicator
- 5 Power switch
- 6 Main volume of mixed output (17)*
- 7 Treble control
- 8 Bass control
- 9 Music input volume
- 10 Auxiliary microphone volume
- 11 REC Selector. Message recording
- 12 STOP Selector. Message recording
- 13 PLAY Selector. Message recording
- 14 Message activation LED indicator
- 15 Front handles

* Does not affect music output (17) or the paging output (19)

REAR PANEL

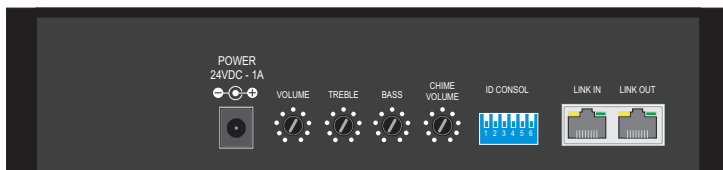
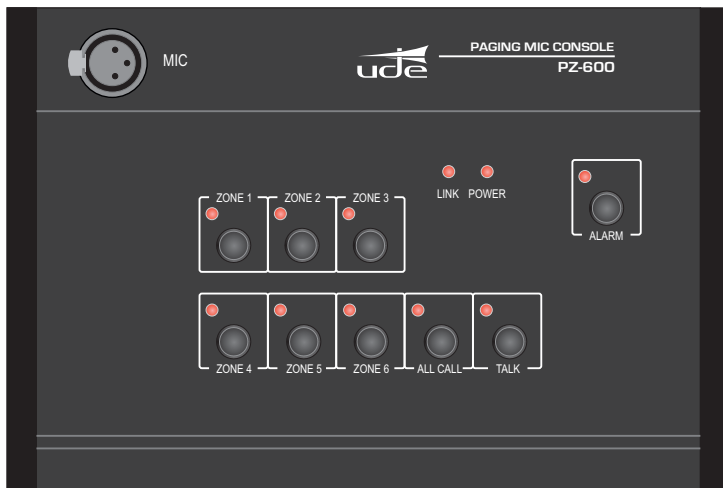
- 16 24VDC priority attenuators zones 1-6 Output
- 17 Mixed PAGING - MUSIC output (normal mode)
- 18 MUSIC Output
- 19 PAGING Output (alarm mode)
- 20 MESSAGES 1-2 Activation
- 21 Message selector to record
- 22 Message playback mode selector
- 23 "ALARM" - "NORMAL" selector
- 24 Volume recording messages adjustment
- 25 Volume playback messages adjustment
- 26 MIC - PHANTOM Selector
- 27 Chime volume
- 28 Auxiliary MIC priority activation
- 29 PZ-600 Paging Desk connection
- 30 PZ-600 Desk volume control
- 31 PZ-600 Desk gain control
- 32 Auxiliary microphone gain control
- 33 Auxiliary balanced microphone input
- 34 Music source inputs (TAPE - CD - TUNER)
- 35 Outputd 0dB / L100V. Zones 1-6
- 36 Emergency signal input (0dB / L100V)
- 37 Music signal input (0dB / L100V)
- 38 Power input 230 VAC. / AC Fuse



PZ-600 PAGING DESK WITH ZONE SELECTOR

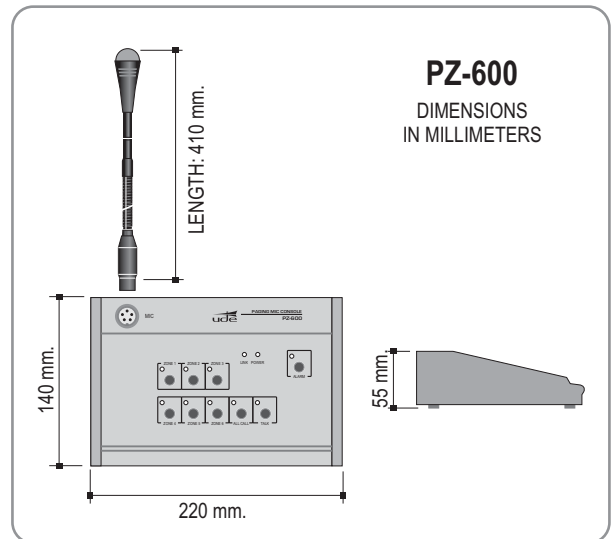


PZ-600 CHIME DESK WITH ZONE SELECTOR



MAIN CHARACTERISTICS

- ✓ Cardioid electret microphone
- ✓ 6-zone selector with LED indicator
- ✓ General Call Selector with LED indicator
- ✓ Busy line LED indicator
- ✓ Chime generator
- ✓ Message to any zone or to all Zones through the alarm button.
- ✓ Double COM port with RJ45 connectors for connection to the WZ-600 control unit.
- ✓ Microphone volume control.
- ✓ Chime volume control.
- ✓ Bass and treble controls.
- ✓ Auxiliary power input 24VDC.
- ✓ By COM port, RS-485 communication, signal output balanced audio and 24VC power.
- ✓ Dip-switches for desk identification
- ✓ Possibility of connecting up to 6 PZ-600 paging desks



A single desk and up to a distance of 50 meters can be powered by the COM port connected to the WZ-600. For larger distances or for more than one desk, a 24VDC power supply is required (not supplied)

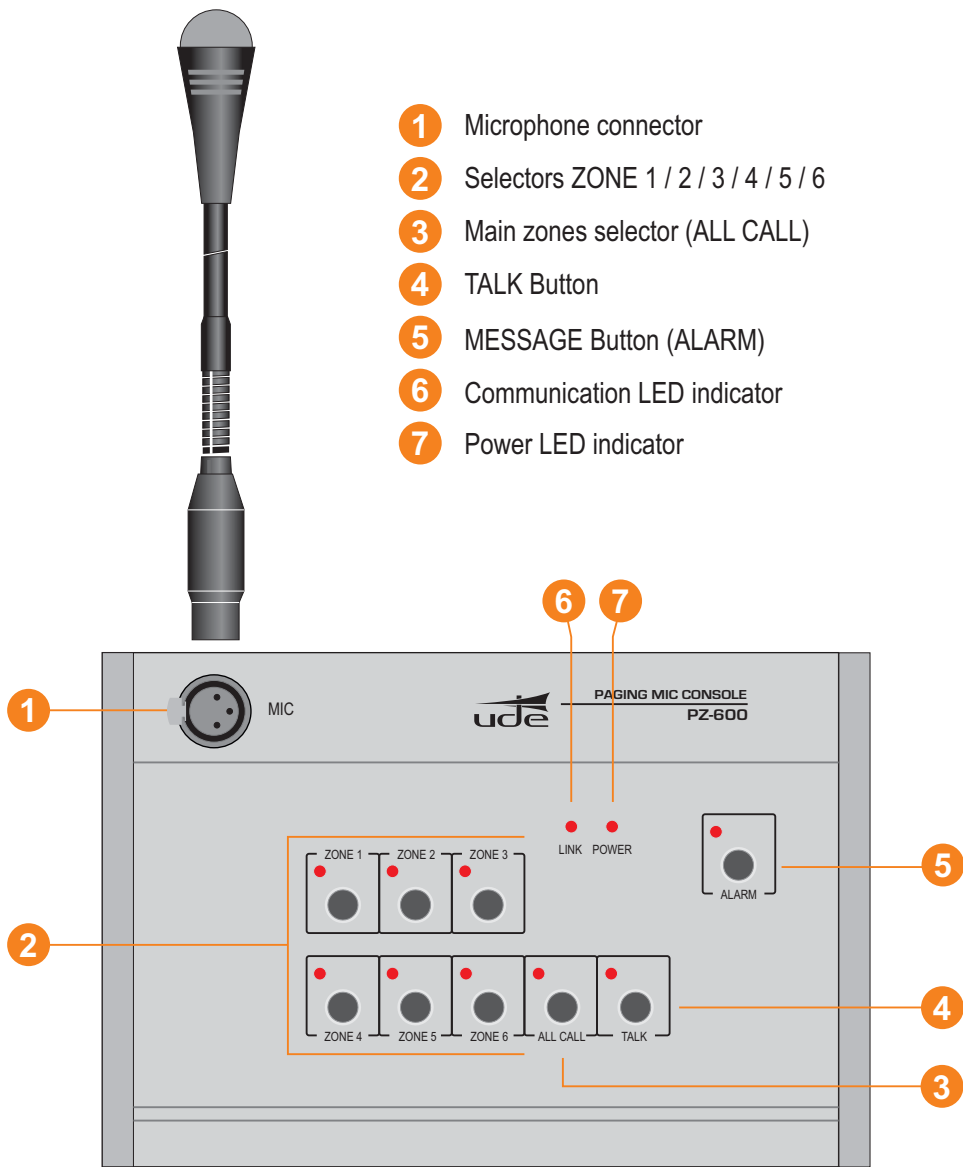
TECHNICAL CHARACTERISTICS

- Microphone:	Electret microphone
- Output signal:	1,5V.
- Bandwidth:	From 80 to 16Khz .
- Harmonic distortion (THD):	<1%.
- Power source:	AC Adapter (*) 230VAC / 24VDC.
- Consumption:	10 W.
- Weight:	960 gr.

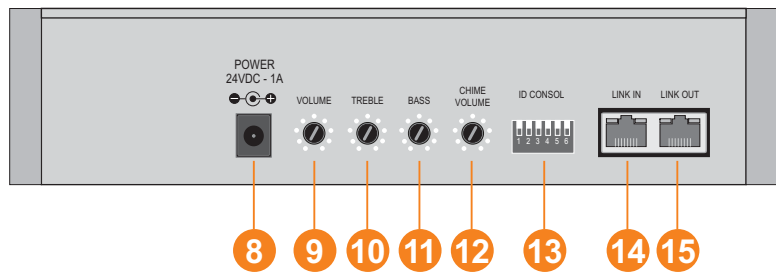
(*) AC Adapter NOT INCLUDED

PZ-600 CHIME DESK WITH ZONE SELECTOR

FRONT PANEL

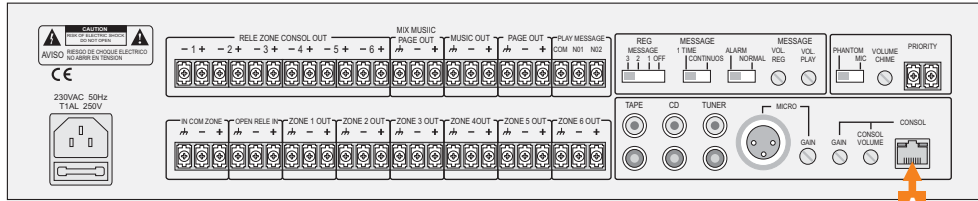


REAR PANEL



- 8 Auxiliary power input 24 Vdc
- 9 Microphone level adjustments
- 10 Treble control adjustments
- 11 Bass control adjustments
- 12 Chime level adjustments
- 13 Desk identifier
- 14 BUS input line
- 15 BUS output line

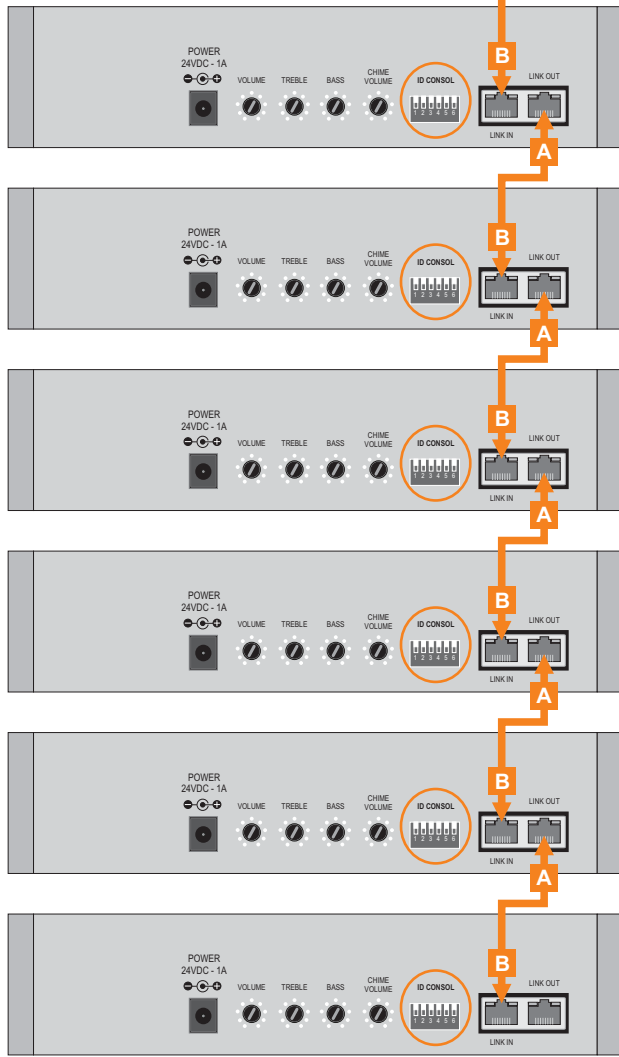
PZ-600 DESK CONNECTION



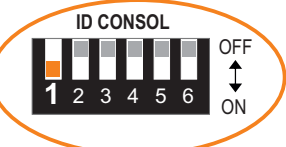
WZ-600

The MICRO-600 system has the possibility to connect up to a maximum of 6 desks PZ-600. Identify the desk through its ID Consol number before connecting the BUS line.

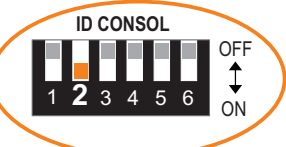
N° PZ-600	SWITCH POSITION					
	1	2	3	4	5	6
1	ON	OFF	OFF	OFF	OFF	OFF
2	OFF	ON	OFF	OFF	OFF	OFF
3	OFF	OFF	ON	OFF	OFF	OFF
4	OFF	OFF	OFF	ON	OFF	OFF
5	OFF	OFF	OFF	OFF	ON	OFF
6	OFF	OFF	OFF	OFF	OFF	ON



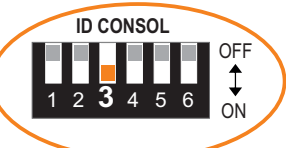
PZ-600 (1)



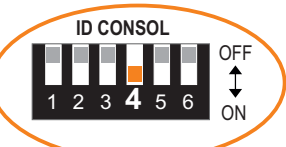
PZ-600 (2)



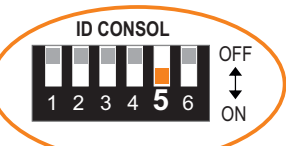
PZ-600 (3)



PZ-600 (4)



PZ-600 (5)



PZ-600 (6)

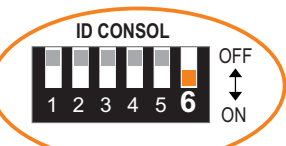
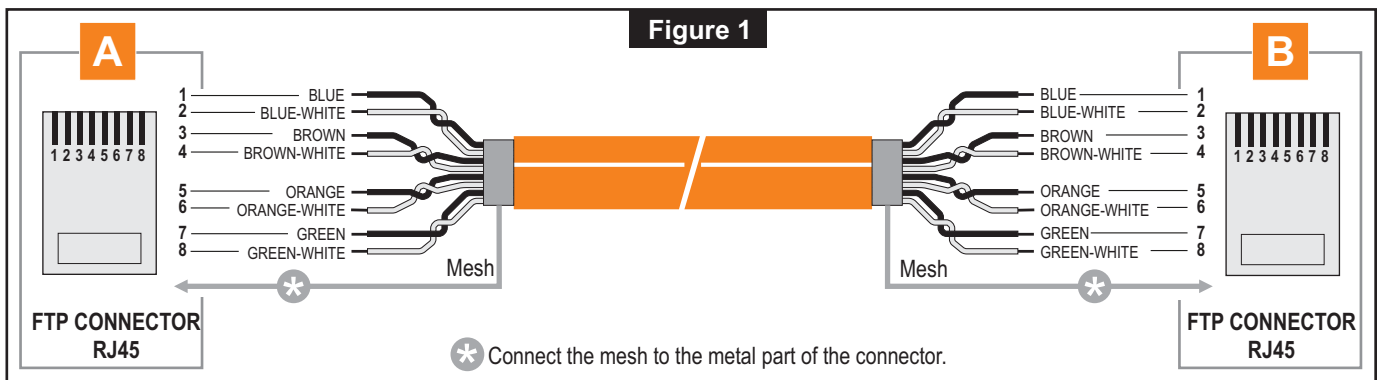


Figure 1



QUICK OPERATION GUIDE

1 MESSAGES

The MICRO-600 system has two working modes that can be selected through the "ALARM / NORMAL" switch (23), located on the rear panel of the WZ-600.

1. Working in "NORMAL" mode

- Set the "ALARM / NORMAL" selector (23) to the "NORMAL" position.
- The paging output (19) is both used for operation with 100V line and 0dB signals. See diagrams on pages 11 and 13.
- Mixed output (17) is used for music and paging signals, both for operation with 100V line and 0dB signals. See diagrams on pages 12 and 14.
- Allows the diffusion of the selected musical source on the front panel of the WZ-600 (1) to the selected zones (2) also on the front panel of the WZ-600.
- Messages can be launched from the PZ-600 desk as described in section 7 of this quick guide.
- From the PZ-600 desk you can launch the message # 3 as described in section 5 of this quick guide. This message has priority over messages 1 and 2.

1. Working in "ALARM" mode

- Set the "ALARM / NORMAL" selector (23) to the "ALARM" position.
- Only the signal of warnings (19) is used as signal of warnings and messages.
- It is not possible to broadcast music.
- The diffusion of messages 1 and 2 is activated through the contact closure of the desired message on the rear panel of the WZ-600 (20). The message will be broadcast to all zones in general, regardless of the ones we have selected on the front panel of the WZ-600 (1)
- Only messages to all zones can be launched from the PZ-600 desk, it is not possible to do so by selecting zones.
- From the PZ-600 desk you can send message # 3 in general, not being able to do it by selecting zones. This message has priority over messages 1 and 2.

QUICK OPERATION GUIDE

1 MESSAGES

The Microprocessed MICRO-600 System allows the diffusion of 3 different messages, one minute maximum duration each.

The recording of the 3 messages is done through the microphone located in the front panel of the WZ-600 module.

N.1 and N.2 MESSAGES

The n.1 and n.2 messages are launched automatically through a closure of external contacts, located on the rear panel of the WZ-600 module.

Also in these messages (numbers 1 and 2) you can configure their emission mode through the switches:

TIME / CONTINUOS:

1 TIME: It sounds only once.

CONTINUOS: Sound repeatly

N.3 MESSAGE

Message n.3 is exclusively from the PZ-600 desk

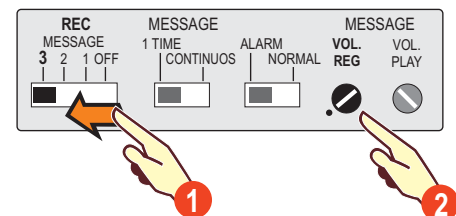
2 MESSAGES RECORDING

Recording by front panel microphone

The recording of the 3 messages is done through the audio input (REC) located in the front panel of the WZ-600 module.

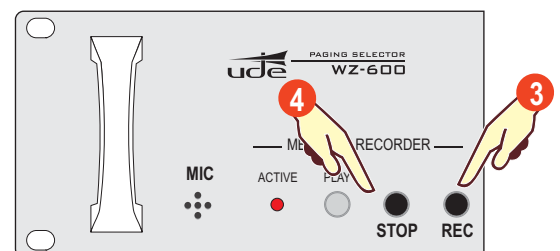
1 Select the message to be recorded using the REC switch

- Position 1 (MESSAGE No. 1)
- Position 2 (MESSAGE No. 2)
- Position 3 (MESSAGE No. 3)



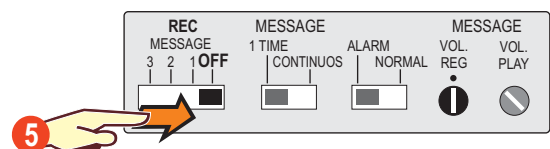
2 Set the REC volume control almost to the minimum (to the left).
You can vary this setting depending on the audio input level

3 Press REC to start recording



4 Press STOP to stop recording

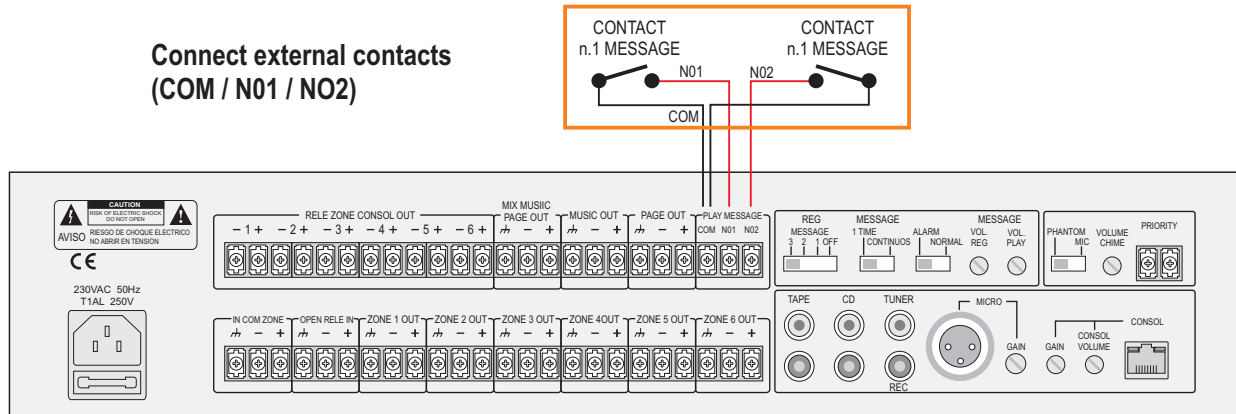
5 Set the REC switch to OFF



QUICK OPERATION GUIDE

3 ACTIVATION OF MESSAGES No. 1 and 2 FROM THE CENTRAL WZ-600

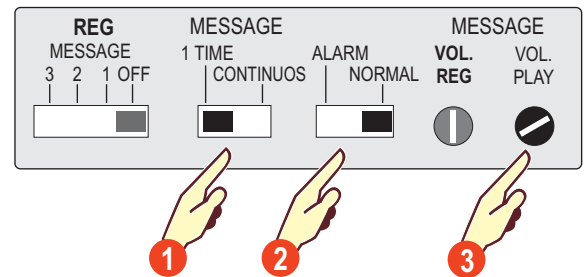
The No.1 and 2 messages are launched automatically, through a closure of external contacts, located in the rear panel of the WZ-600 central.



Adjust the WZ-600 controller switches for broadcast of message n.1 and n.2

- 1 Set the MESSAGE switch to **TIME** or **CONTINUOUS**
TIME: it sounds only once.
CONTINUOUS: sounds in loop.

- 2 Adjust the volume level of the message.

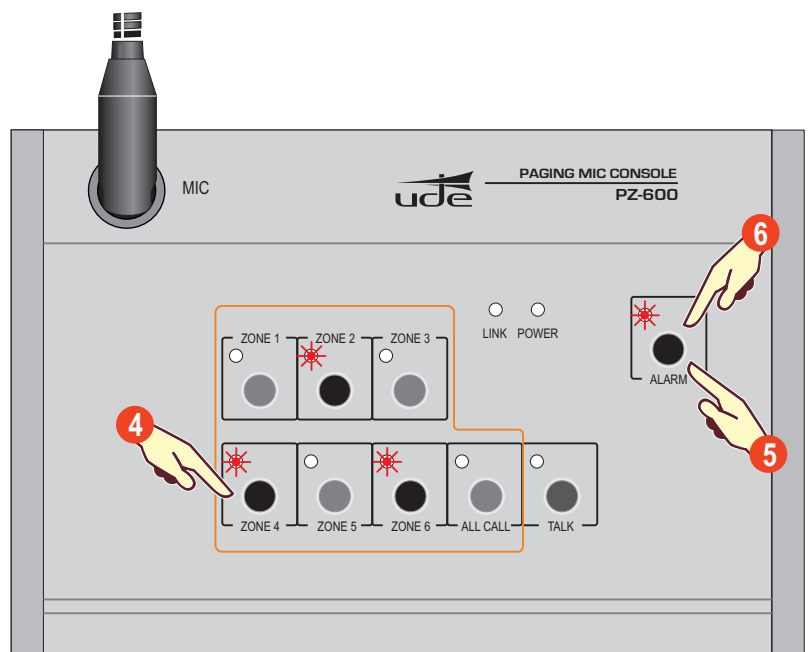


4 ACTIVATION OF MESSAGE No. 3 FROM THE PZ-600 DESK

The message n.3 is launched manually through the PZ-600 paging desk

Message No.3 through PZ-600 Desk

- 3 Select the zones where you want to broadcast the prerecorded message. (No.3), illuminating the associated LEDs
- 4 Press and hold the ALARM button for 2 seconds. Then the associated LED will light up and the message will sound in the selected zones
- 5 To stop the broadcast of the message, press the ALARM button again. Led will turn off and the message will stop playing.



QUICK OPERATION GUIDE

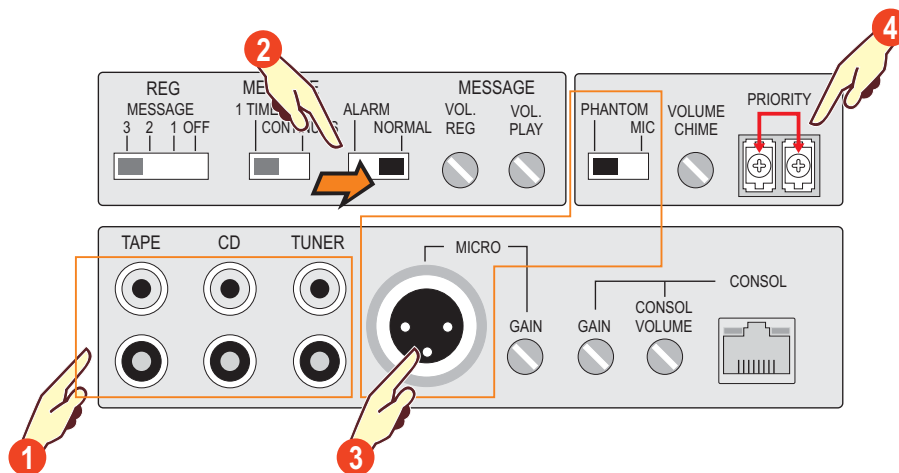
5 SEND MUSIC TO ZONES USING WZ-600 MODULE

This function is performed from the front panel of the WZ-600 controller to send music to any of the zones, to various zones and to all zones.

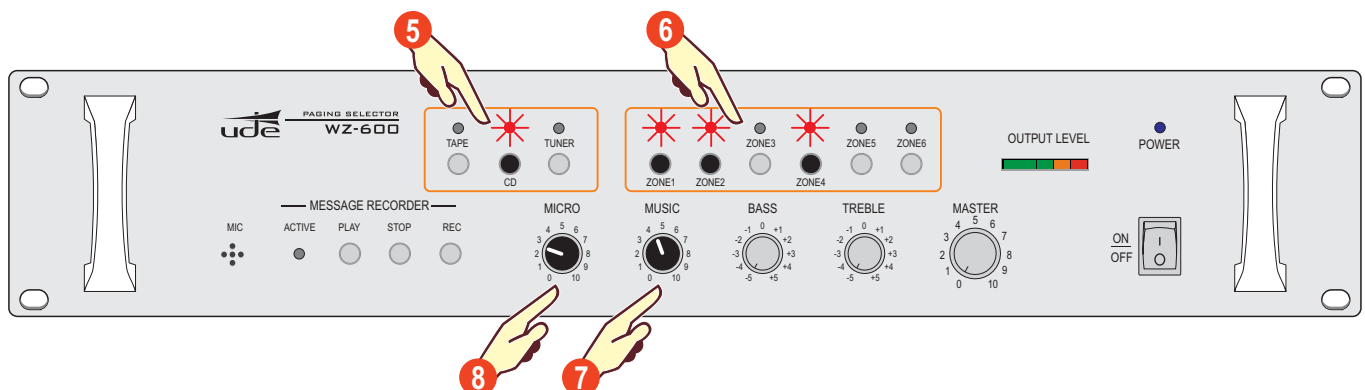
We can also insert an auxiliary microphone to mix it with music or have priority over music

Follow the steps indicated in the following image to send music through WZ-600

- 1 Connect the different musical sources in their respective connectors
- 2 Set the Mode switch to NORMAL
- 3 Connect the auxiliary microphone and choose the type of capsule (PHANTOM - MIC) using the switch.
- 4 By making a contact closure between the PRIORITY terminals, the auxiliary microphone will have priority over the music.



- 5 Select the music source, associated LED will light up
- 6 Select the zones you want to send music. Associated LEDs will light up
- 7 Adjust the music volume level using the MUSIC potentiometer
- 8 Adjust the AUX microphone volume level using the MICRO potentiometer to mix it with the music.

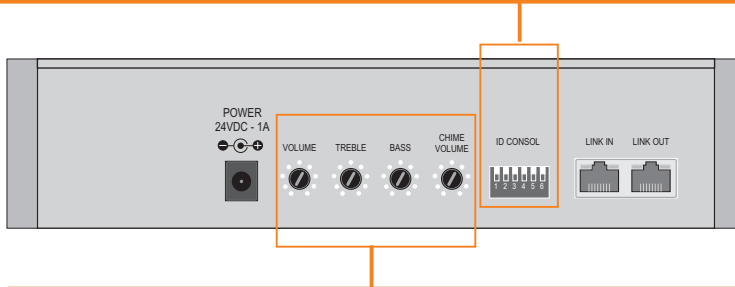


QUICK OPERATION GUIDE

6 PAGING BROADCAST USING PZ-600

Follow the indicated steps in order to broadcast messages through PZ-600 desk

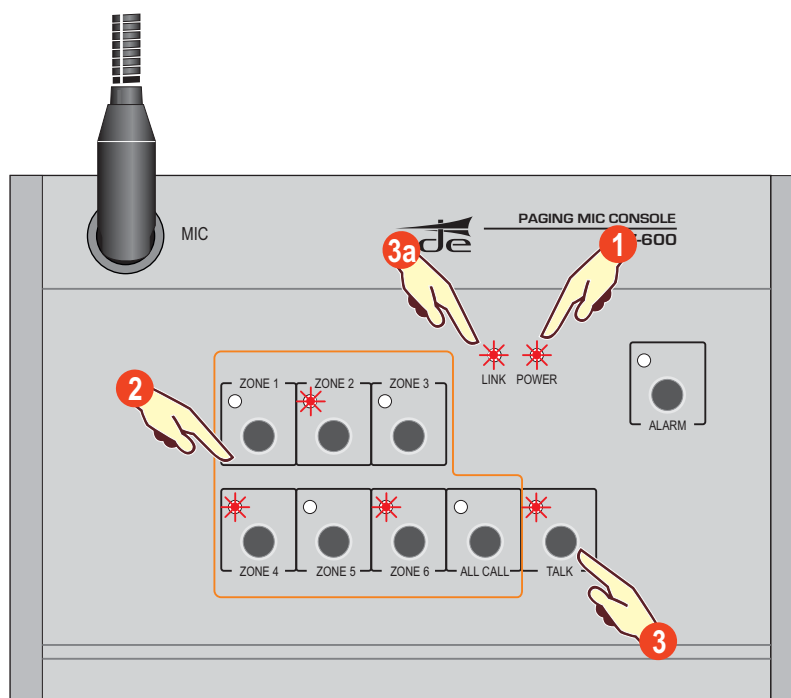
Remember to identify the desk with the identifier ID CONSOL before connecting them.



N° PZ-600	SWITCH POSITION					
	1	2	3	4	5	6
1	ON	OFF	OFF	OFF	OFF	OFF
2	OFF	ON	OFF	OFF	OFF	OFF
3	OFF	OFF	ON	OFF	OFF	OFF
4	OFF	OFF	OFF	ON	OFF	OFF
5	OFF	OFF	OFF	OFF	ON	OFF
6	OFF	OFF	OFF	OFF	OFF	ON

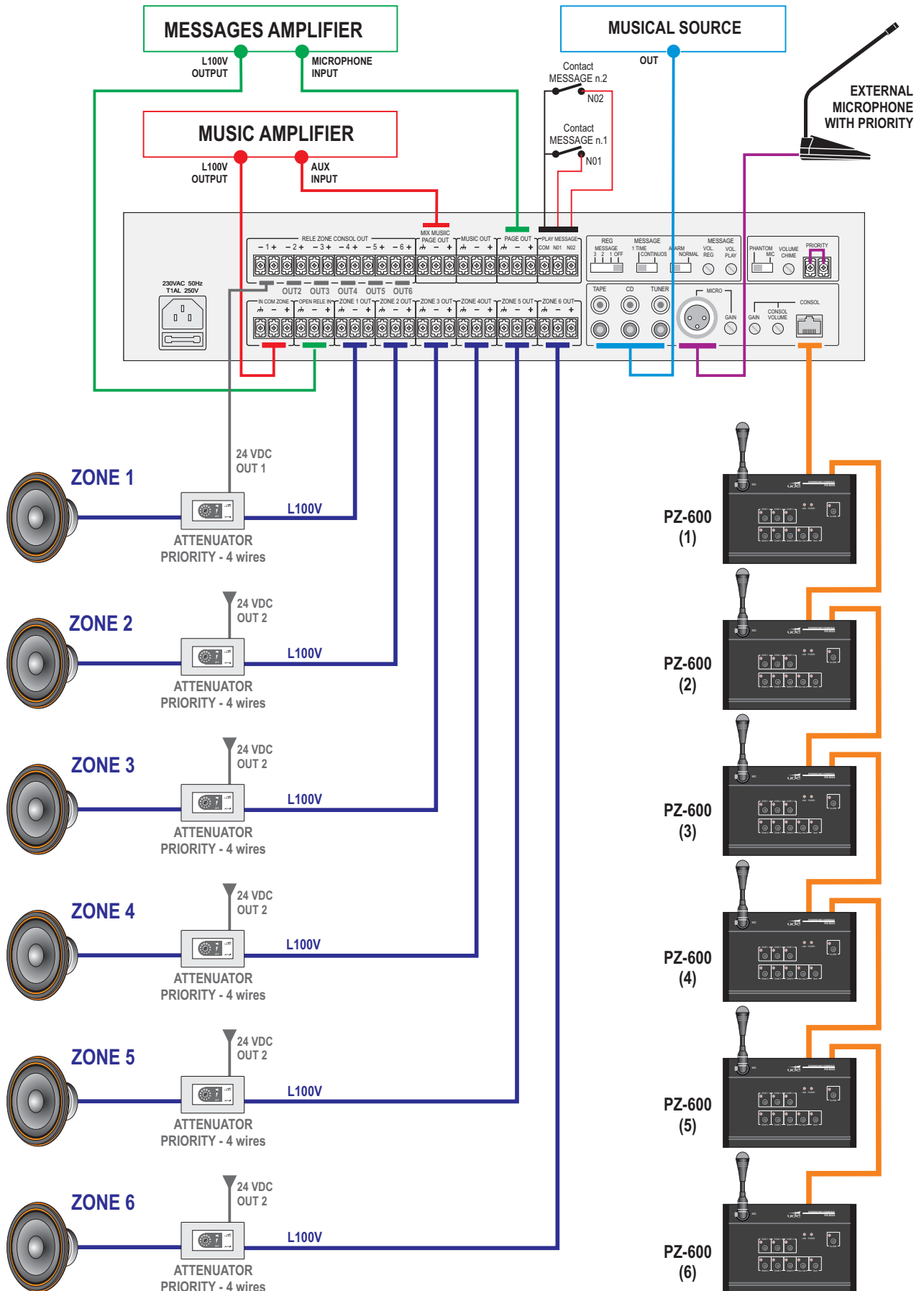
Adjust the microphone volume, chime volume and tone control level

- 1 The POWER LED indicator will light up when connected to the PZ-600 controller via the FTP cat 5 cable.
- 2 Select the zones where you want to broadcast the message, the associated LEDs will light up. When finished, press the selected button again to disconnect them, their associated LEDs will turn off.
- 3 Press the TALK button to speak, the associated led will light up. Press the button again to finish, the associated led will turn off
- 3a The LINK LED will light up flashing when we press the TALK button, at this moment the carillon will be playing. When the led is fixed, we can talk into the microphone.



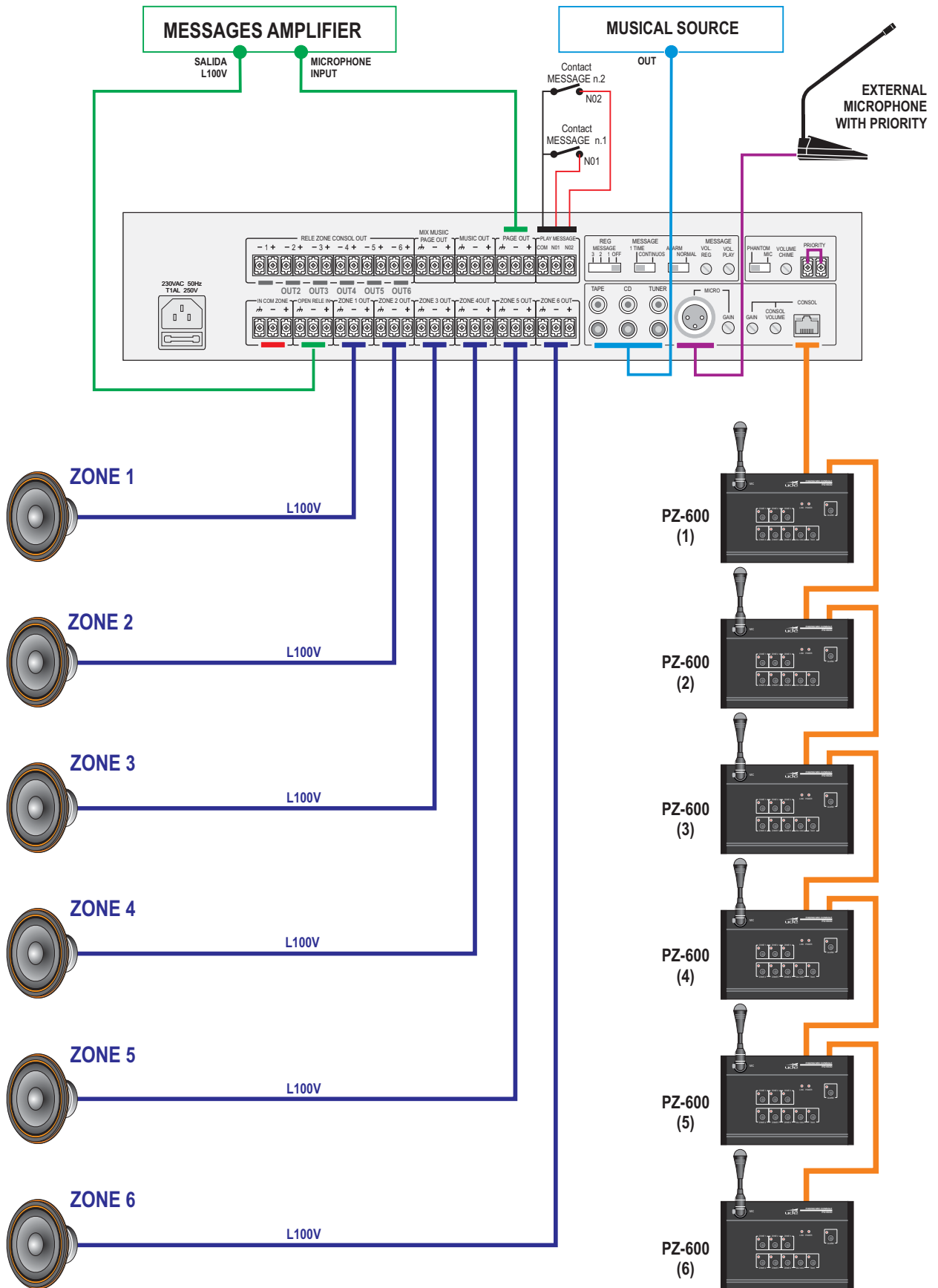
CONNECTION DIAGRAM EXAMPLE - Connections for 6 100V line zones and 2 amplifiers, music and paging.

WORKING IN NORMAL MODE



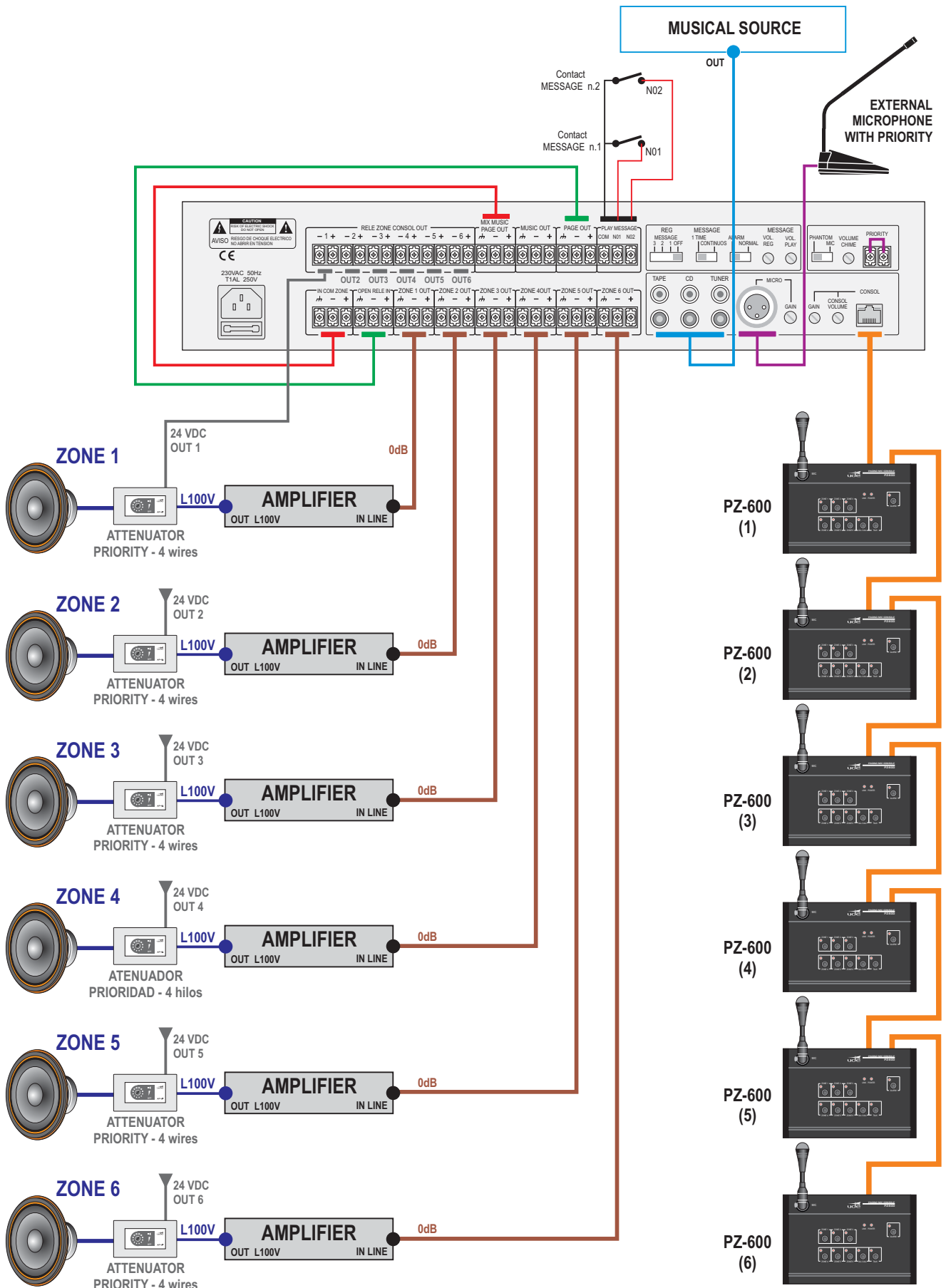
CONNECTION DIAGRAM EXAMPLE - Connections for 6 100V line zones and 2 amplifiers, music and paging.

WORKING IN ALARM MODE



CONNECTION DIAGRAM EXAMPLE - 0dB connections with 6 amplifiers, one per each zone

WORKING IN NORMAL MODE



CONNECTION DIAGRAM EXAMPLE - 0dB connections with 6 amplifiers, one per each zone

WORKING IN ALARM MODE

