



MICROPHONE BASE WITH SELECTIVE ZONE CALL BM4



OPERATION MANUAL

Please follow the instructions in this manual to get the best results from this product.
We also suggest that you keep this manual handy for future reference.

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1. SAFETY WARNINGS

- Before use, be sure to read carefully the instructions in this section.
- Be sure to observe the instructions contained in this manual, as well as the conventions of safety, the safety symbols and messages regarded as very important precautions.
- We also suggest that you keep this instruction manual handy for your own future reference.

Safety symbols and conventional messages

The safety symbols and messages described below are used in this manual to prevent personal injury and property damage, which could be the improper use. Before putting the product into operation, read this manual and understand the safety symbols and messages, in order to be fully aware of the potential risks.



WARNING

It indicates a potentially hazardous situation, which, if mishandled, could result in death or serious personal injury.



CAUTIONS

It indicates a potentially hazardous situation, which, if mishandled, could result in minor or moderate damage to the person and/or property damage.



WARNING

When installing the appliance:

- Do not expose the unit to rain or an environment where it could be wet by water and/or other liquids, since in this way could cause fire or electric shock.
- Use this device only with the voltage specified on the unit. Using a higher voltage than specified may result in fire or electric shock.
- Do not cut, bend, damage, or modify the power cord. Also, avoid using the power cord in the vicinity of heat sources and never place heavy objects (including the unit itself), on the power cord, since in this way could cause fire or electric shock.
- Be sure to replace the protective cover of the connection terminals once it has been completed. Because the speaker connections are of high voltage, never touch these terminals to avoid electric shock.
- Make sure the connection to the ground terminal is correctly made, in order to avoid electric shock.
- Do not install or mount the device in an unstable position, such as on a wobbly table or on an inclined surface. Could lead to the fall of the appliance and cause injury and/or property damage.

While using the appliance:

- Should it occur the following abnormal situations while using the appliance, turn off the power immediately, unplug the power cord from the AC outlet and contact your nearest dealer. Do not try to start up again the appliance because it could lead to fire or electric shock.
 - ✓ Appliance comes smoke or a strange smell.
 - ✓ Water or any metal object has entered in the appliance.
 - ✓ The unit falls, or the frame of the appliance breaks down.
 - ✓ The power cord is damaged, as well as exposure of the core, disconnection etc.
 - ✓ The appliance is malfunctioning (no Sound.).
- Do not open nor remove the cover of the unit to prevent fire or electric shock, because inside of the device contains high-voltage components. Contact your local dealer of trust for each maintenance.
- Do not place cups, bowls, or other containers with liquid or metal objects on the appliance. If they accidentally filter inside the unit, possibly resulting in fire or electric shock.
- Do not insert or drop metallic objects or flammable materials in the ventilation slots of the unit, it could cause fire or electric shock.



CAUTIONS

Installation of the appliance:

- Do not insert or remove any plug from the electrical power supply with wet hands, may cause electric shock.
- By unplugging the power cord, be sure to grasp the plug. Do not act on the cable. Put the unit into operation, with the damaged cord can cause fire or electric shock.
- While moving the appliance, be sure to remove its power cord from the wall outlet. Moving the unit with the power cord plugged in could damage the cord itself and cause a fire or electric shock.
- Do not block ventilation openings. May result in overheating and fire.
- Avoid installing the appliance in humid and dusty areas, expose to direct sunlight, environments that generate smoke or steam, as well as locations near heat sources. This could cause a fire or electric shock.

Using the appliance:

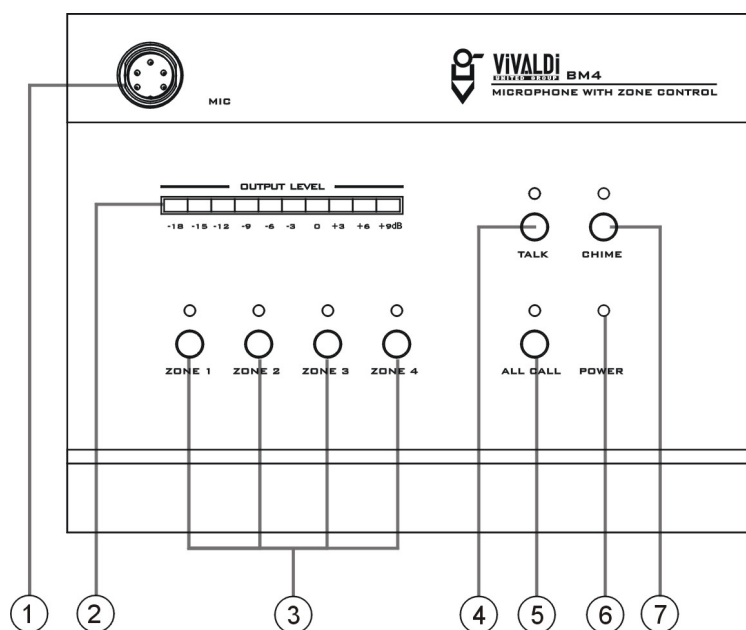
- Do not place heavy objects on the device, it could cause the fall or failure, causing bodily injury and/or property damage. In addition, the object itself can be damaged.
- Make sure that the volume control is set to minimum before turning on the power. The high audio product loud when power on, can damage your hearing.
- Do not operate the unit for extended duration of the sound distortion. This is a malfunction indication, which can cause overheating and fire.
- Contact your local retailer for periodic cleaning. The accumulation of dust for an extended period can cause fire or damage.
- If dust builds up on the power plug or the AC wall outlet, it could result in a fire. They should be cleaned periodically. Also, make sure the plug is inserted securely into the wall outlet.
- Turn off the power and unplug the power cord from the AC wall outlet for safety reasons, during cleaning or when you leave the unit unused for 10 days or more, otherwise it may cause fire or electric shock.

2. FEATURES

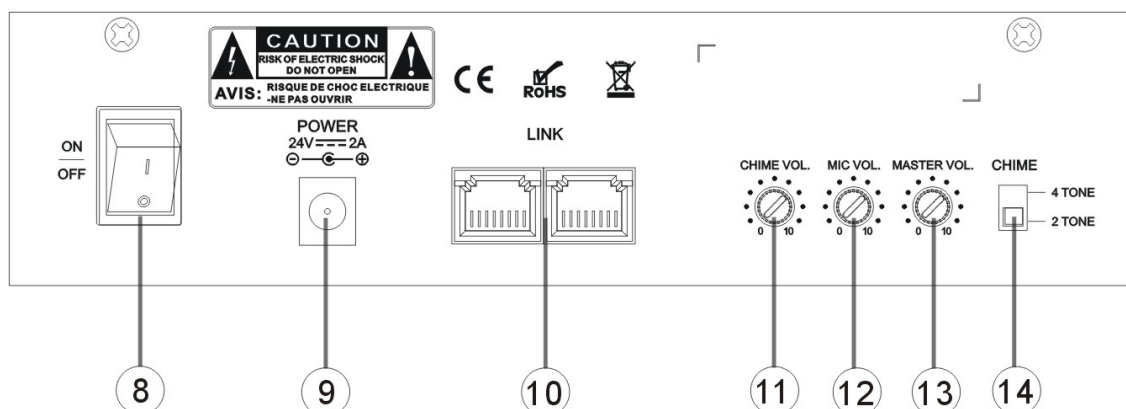
1. Provided with zones, zone groups and all areas can be selected manually.
2. Ability to connect max 4 bases (BM4) in daisy chain through the RJ45 connector.
3. Dual power: Through CAT 6 dedicated cable or with the included external power supply.
4. Integrated Chime, with 2/4 chime tone selection switch.
5. Volume control of MIC/Chime/General.
6. Audio level indicator by 10 segment display.
7. 24 VDC Power supply.

3. NAMES AND FUNTIONS

3.1 FRONT PANEL



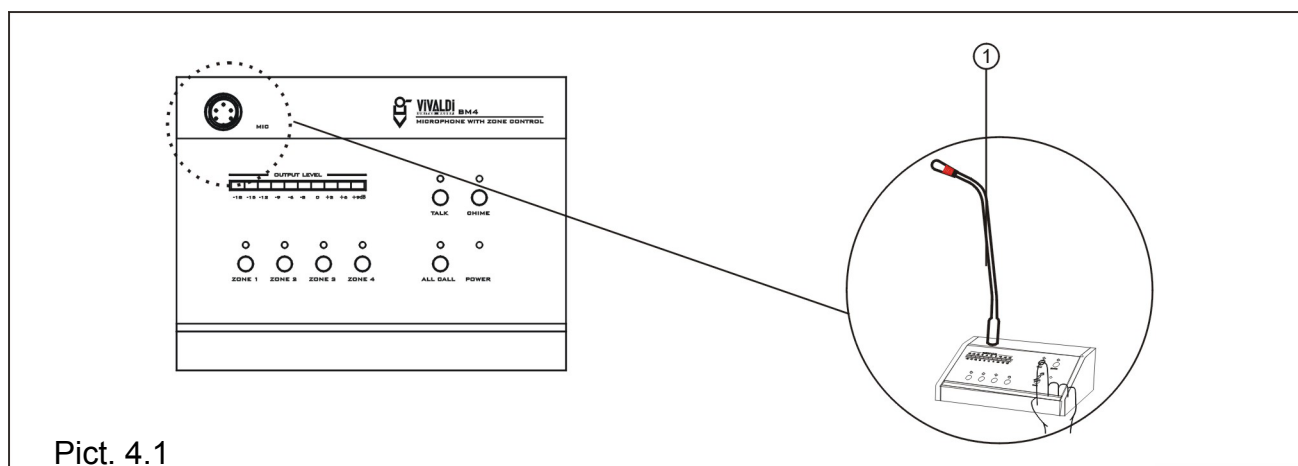
3.2 BACK PANEL



1. Microphone connector.
2. 10 segment audio level indicator
3. Zone selection button
4. Call button
5. "All Call" button
6. Power ON indicator
7. CHIME Enable button
8. Main Power switch
9. Power supply input 24VDC
10. RJ45 connector for base-amplifier connection
11. CHIME volume controller
12. MIC volume controller
13. GENERAL volume controller
14. CHIME tone selection switch (2/4 tone)

4. OPERATION

4.1 MICROPHONE INSTALLATION

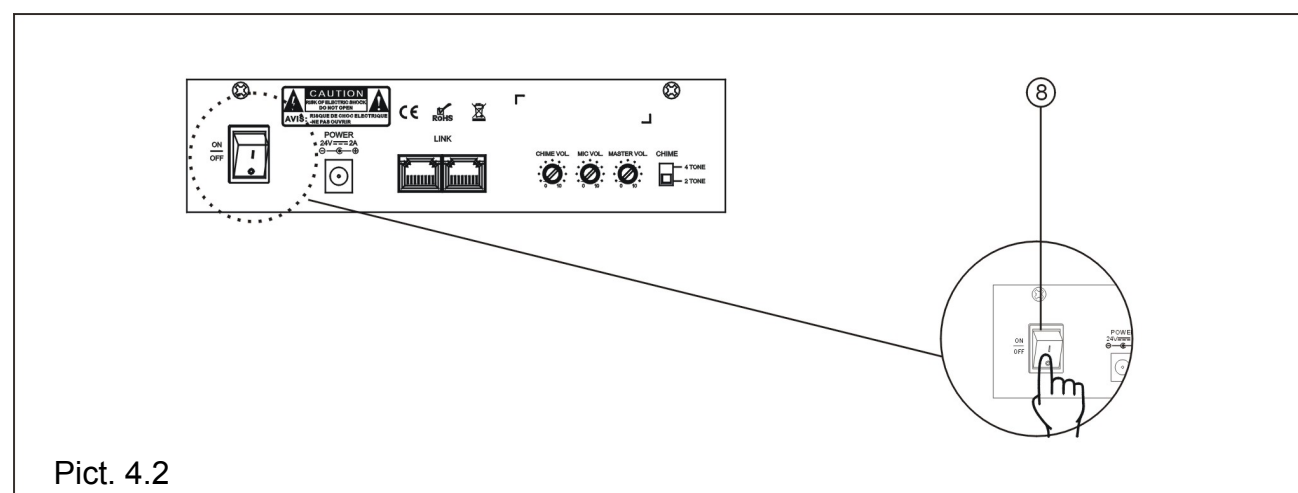


After installing the microphone stand, turn on the device via the switch on the rear, select the area or areas in which you want to send a message. Press “TALK” and speak a distance of about 5 cm from the microphone. You can adjust the volume by adjusting the trimmer on the back. Trimmer gain “CH1 to CH5”, on the rear panel, to be set counterclockwise to a minimum.

NOTE:

1. Once the microphone is connected, be sure to supply it, or you can not use it.
2. Make sure the connection shaft of the microphone is close to avoid any damage from loosening.

4.2 MAIN POWER SWITCH

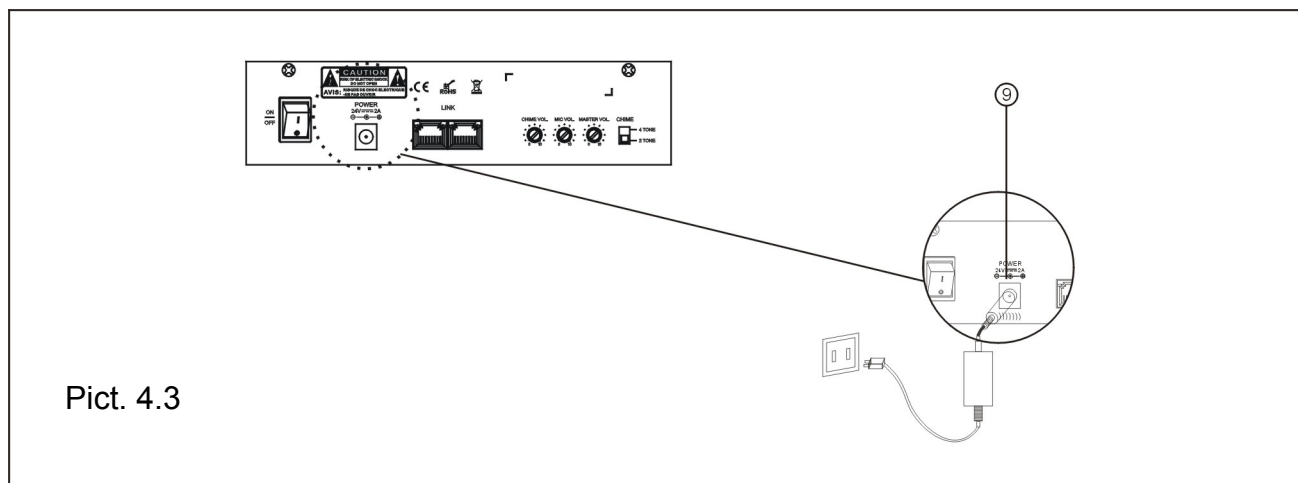


When the switch is in the ON position, the device is powered and the indicator is on.
When the switch is in the OFF position, the device is not powered and the light is off.

NOTE:

1. Make sure that the unit is in the ON state, during normal use. Or if they were to avoid damaging the appliance, contact the supplier.

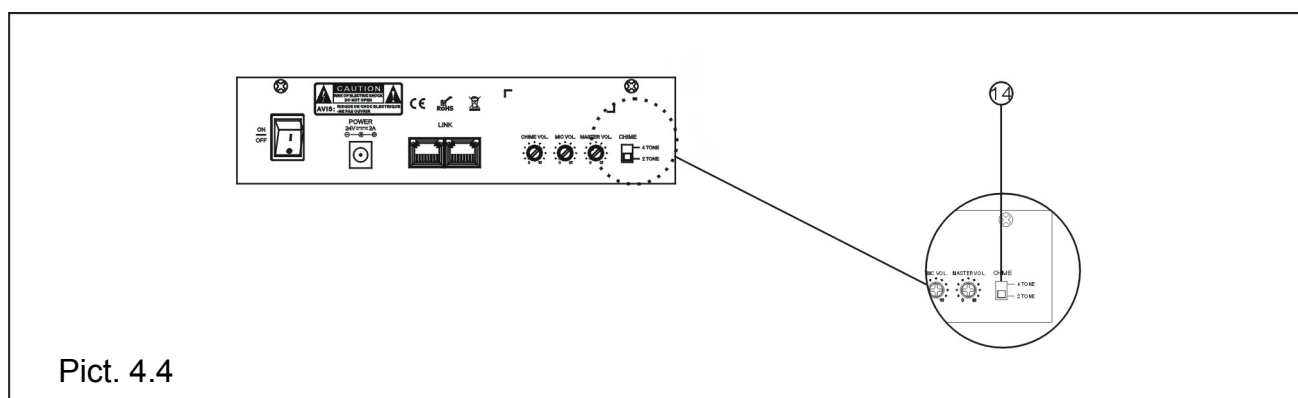
4.3 POWER INPUT 24VDC



NOTE:

1. Make sure that power inputs are in the range specified safety to avoid accidents.
2. The power supply provides power alle'apparecchio. Make sure the power is used safely and disconnect the power cord when not in use.

4.4 2/4 TONE CHIME SELECTION SWITCH



When the switch is set as 2T, it means that microphone base emit two consecutive tones; and when it is set to 4 tone, issue 4 consecutive tones.

NOTE:

1. Please pay more attention when adjusting the volume of the chime, so as to avoid any damage to the trimmer due to excessive force.

4.5 LINE BUSY AND WAITING FOR DIAL

When another microphone base is called by pressing the call button of the local base, the indicator will turn red and flashing, meaning that the line is busy. Once the current call is finished, the foundations on hold will be able to call according to their priority (the led "TALK" will turn green).

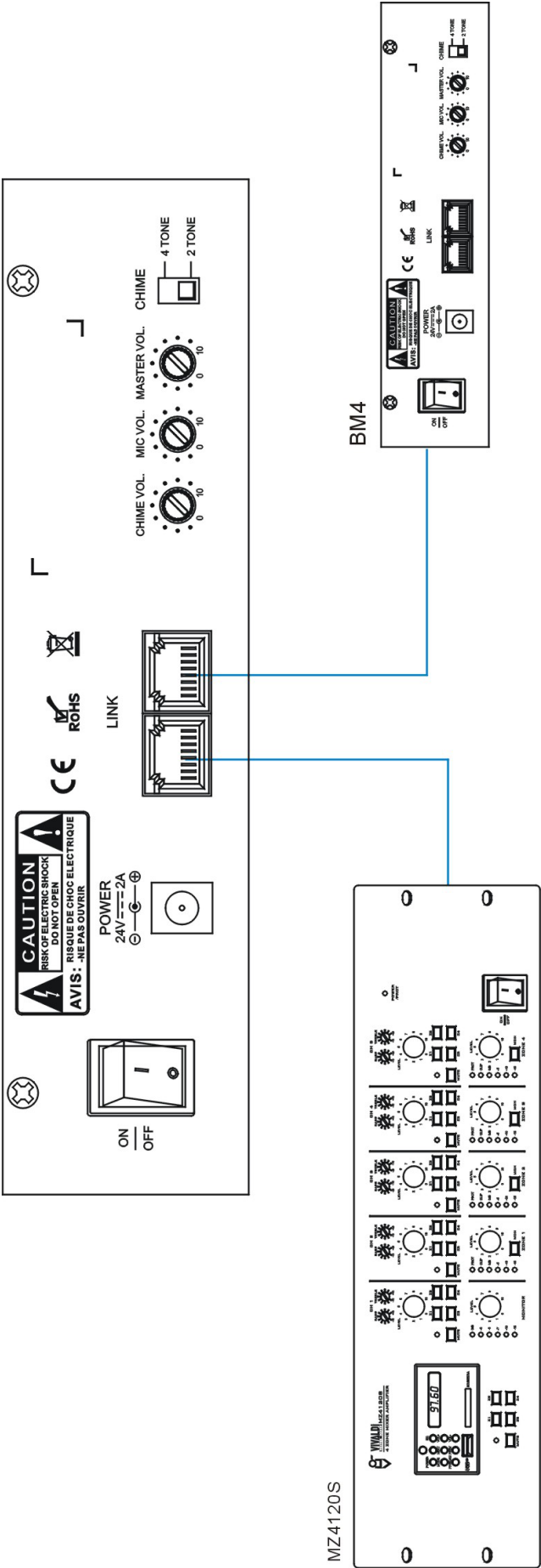
4.6 PRIORITY LEVEL SETTINGS

To set the priority of the microphone base turn on the microphone base holding the key area of 1-4, until the corresponding LED flashes. Each area corresponds to a priority level.

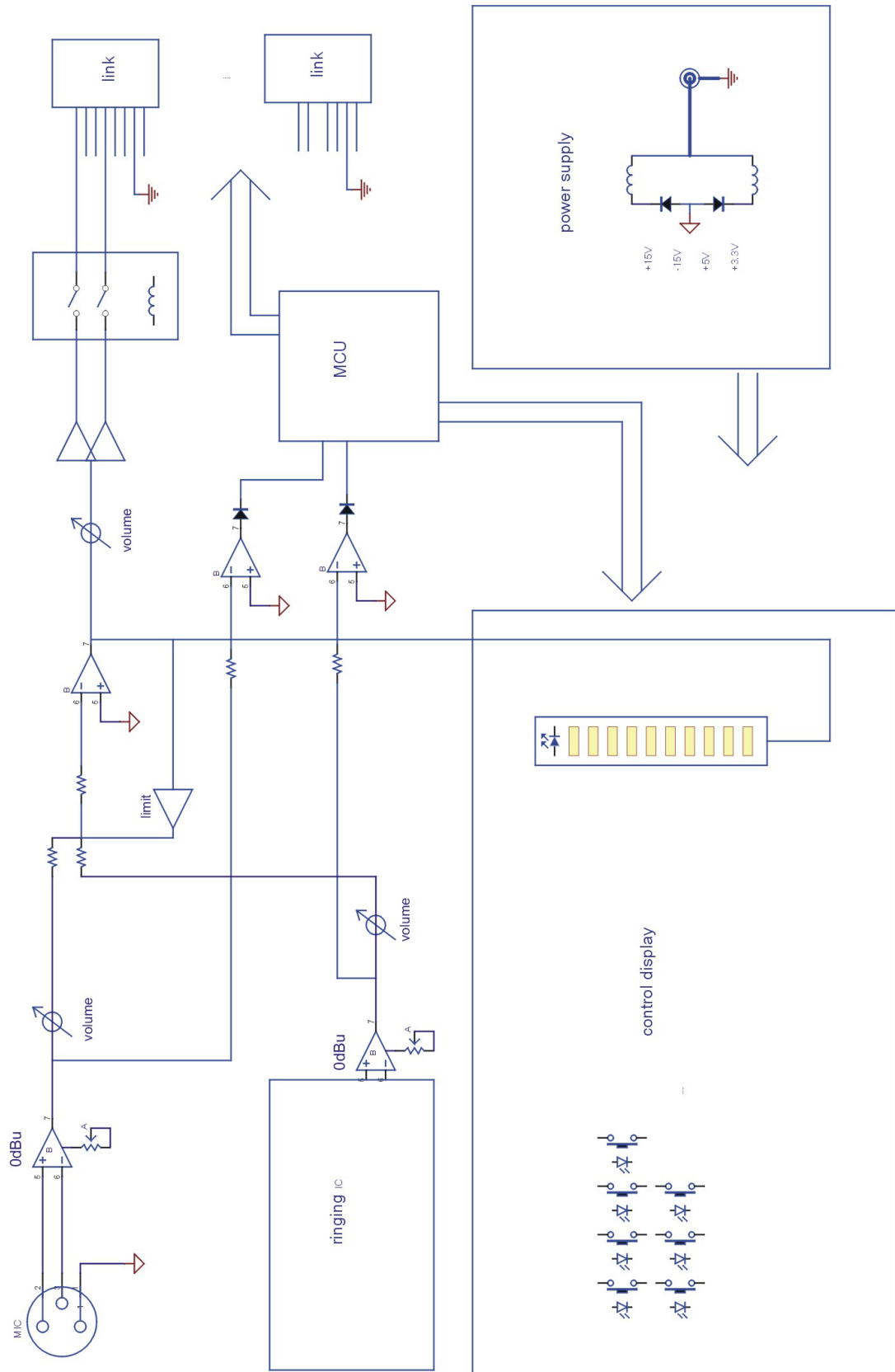
4.7 AUTOMATIC STANDBY FUNCTION

When no audio signal is detected from the auction microphone for one minute, the call will be interrupted and the line back line free.

5. APPLICATIONS



6 . BLOCK DIAGRAM



7. TECHNICAL SPECIFICATIONS

MODEL	BM4
MICROPHONE	CONDENSER MICRPHONE
NUMBER OF ZONE	MAX 4 ZONE
DISTANCE MAX.	1000 m.
OUTPUT LEVEL	1V/600Ω
FREQUENCY RESPONSE	80Hz-16KHz (± 3 dB)
THD	$\leq 1\%$
POWER CONSUMPTION	10W
POWER SUPPLY	24 VDC
DIMENSION	220x142x54 mm
WEIGHT	1.18 Kg (Whitout Micrphone)



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