

artsound

Operating Manual

MIC-216

MICROPHONE WITH ZONE CONTROL



Please follow the instructions in this manual to obtain the optimum results from this unit.

We also recommend that you keep this manual handy for future reference

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1 Safety precautions.

- Be sure to read the instructions in this section carefully before use.
- Make sure to observe the instructions in this manual as the conventions of safety symbols and messages regarded as very important precautions are included.
- We also recommend you keep this instruction manual handy for future reference.

Warnings and safety.

Safety Symbol and Message Conventions.

Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage, which could result from mishandling. Before operating your product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety risk.



WARNING

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



CAUTION

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

Warning.

When Installing the Unit.

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquids, as doing so may result in fire or electric shock.
- Use the unit only with the voltage specified on the unit. Using a voltage higher than that which is specified may result in fire or electric shock.
- Do not cut, kink, otherwise damage nor modify the power supply cord. In addition, avoid using the power cord in close proximity to heaters, and never place heavy objects -- including the unit itself -- on the power cord, as doing so may result in fire or electric shock.
- Be sure to replace the unit's terminal cover after connection completion. Because high voltage is applied to the speaker terminals, never touch these terminals to avoid electric shock.
- Be sure to ground to the safety ground (earth) terminal to avoid electric shock. Never ground to a gas pipe as a catastrophic disaster may result.
- Avoid installing or mounting the unit in unstable locations, such as on a rickety table or a slanted surface. Doing so may result in the unit falling down, causing personal injury and/or property damage.

When the Unit is in Use.

- Should the following irregularity be found during use, immediately switch off the power, disconnect the power supply plug from the AC outlet and contact your nearest ArtSound dealer. Make no further attempt to operate the unit in this condition as this may cause fire or electric shock.
 - If you detect smoke or a strange smell coming from the unit.
 - If water or any metallic object gets into the unit
 - If the unit falls, or the unit case breaks
 - If the power supply cord is damaged (exposure of the core, disconnection, etc.)
 - If it is malfunctioning (no tone sounds.)
- To prevent a fire or electric shock, never open nor remove the unit case as there are high voltage components inside the unit. Refer all servicing to your nearest ArtSound dealer.
- Do not place cups, bowls, or other containers of liquid or metallic objects on top of the unit. If they accidentally spill into the unit, this may cause a fire or electric shock.
- Do not insert nor drop metallic objects or flammable materials in the ventilation slots of the unit's cover, as this may result in fire or electric shock.

Caution.

When Installing the Unit.

- Never plug in nor remove the power supply plug with wet hands, as doing so may cause electric shock.
- When unplugging the power supply cord, be sure to grasp the power supply plug; never pull on the cord itself. Operating the unit with a damaged power supply cord may cause a fire or electric shock.
- When moving the unit, be sure to remove its power supply cord from the wall outlet. Moving the unit with the power cord connected to the outlet may cause damage to the power cord, resulting in fire or electric shock. When removing the power cord, be sure to hold its plug to pull.
- Do not block the ventilation slots in the unit's cover. Doing so may cause heat to build up inside the unit and result in fire.
- Avoid installing the unit in humid or dusty locations, in locations exposed to the direct sunlight, near the heaters, or in locations generating sooty smoke or steam as doing otherwise may result in fire or electric shock.

Due to product upgrades, while some of the features and specification in the user manual does not match the actual functions, sorry for any inconvenience and thanks for your kind understanding!

When the Unit is in Use.

- Do not place heavy objects on the unit as this may cause it to fall or break which may result in personal injury and/or property damage. In addition, the object itself may fall off and cause injury and/or damage.
- Make sure that the volume control is set to minimum position before power is switched on.
- Loud noise produced at high volume when power is switched on can impair hearing.
- Do not operate the unit for an extended period of time with the sound distorting. This is an indication of a malfunction, which in turn can cause heat to generate and result in a fire.
- Contact your ArtSound dealer as to the cleaning. If dust is allowed to accumulate in the unit over a long period of time, a fire or damage to the unit may result.
- If dust accumulates on the power supply plug or in the wall AC outlet, a fire may result. Clean it periodically. In addition, insert the plug in the wall outlet securely.
- Switch off the power, and unplug the power supply plug from the AC outlet for safety purposes when cleaning or leaving the unit unused for 10 days or more. Doing otherwise may cause a fire or electric shock.

An all-pole mains switch with a contact separation of at least 3 mm in each pole shall be incorporated in the electrical installation of the building.

2. General description.

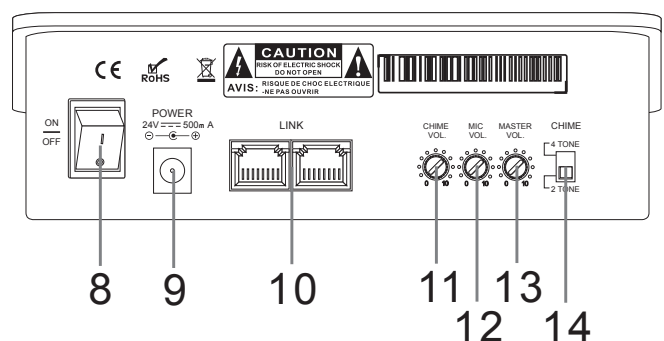
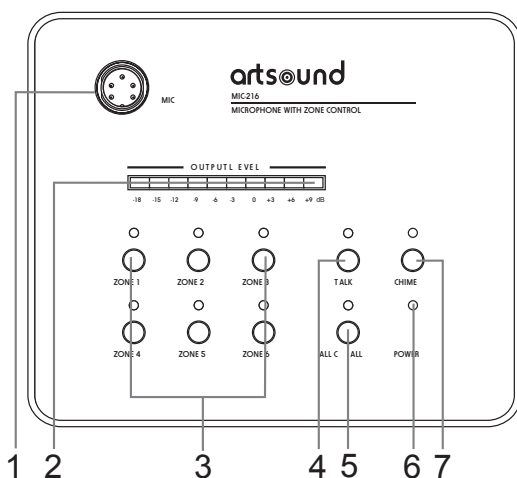
The microphone with individual zone selection offers an integrated sound system for uses such as background music, calls and fire alarm.

3. Features.

- Selective or general calling options up to 6 zones
- Several calling microphones with the option of putting them in order of priority (max. 6)
- Bell/gong function(2/4-tone)
- MIC/Bel/Master volume control
- Volume indication LED
- 24V DC power supply

4. Nomenclature and functions.

4.1 Front panel/Back panel

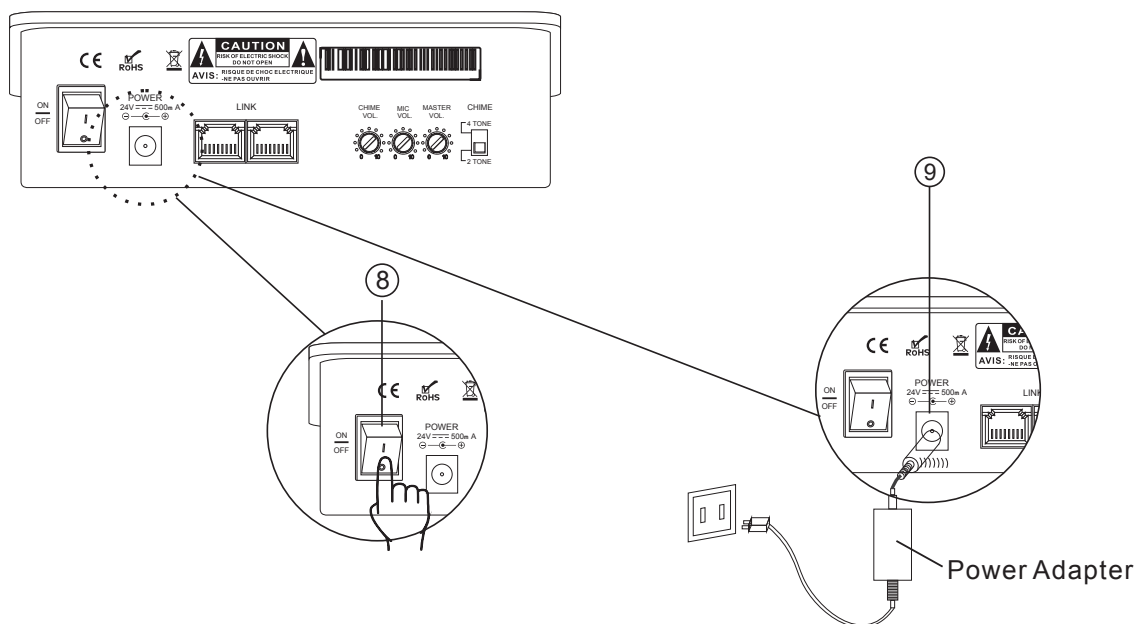


- | | |
|--------------------------------|--|
| 1. Microphone connection (XLR) | 8. ON/OFF switch |
| 2. Volume output LED | 9. 24V DC input |
| 3. Zone selection | 10. RS-485 connection (to amplifier or additional MIC) |
| 4. Talk key | 11. Tone volume control |
| 5. All zones selection key | 12. MIC volume control |
| 6. Power LED | 13. Master volume control |
| 7. Tone key | 14. 2/4-tone selection |

5. Use.

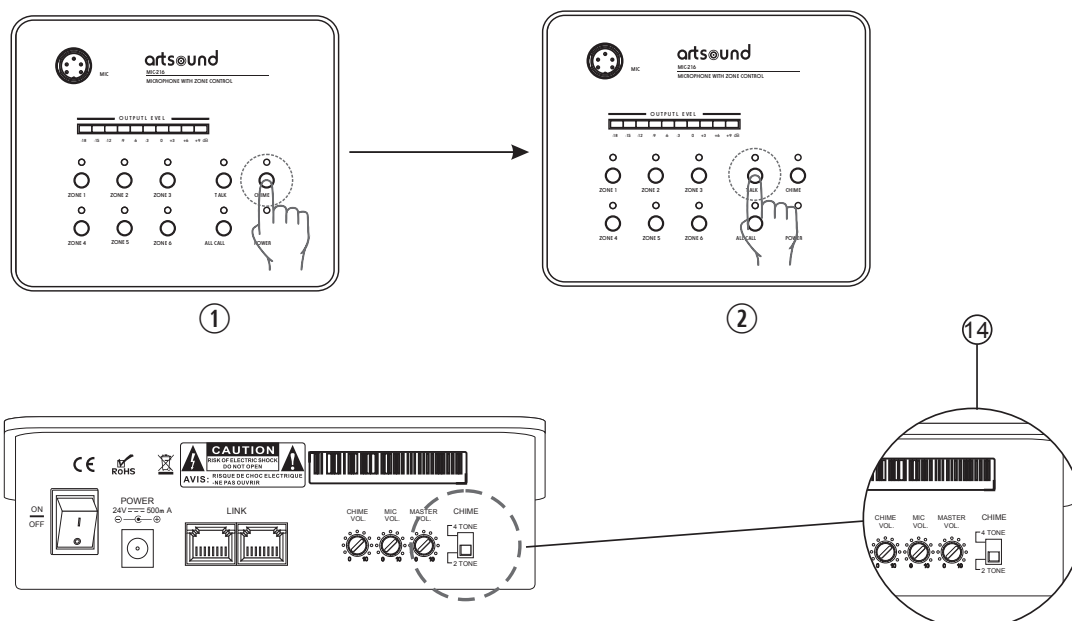
5.1 Switch on

- Connect the supplied power supply to the microphone.
- When the power switch is 'ON' the microphone is activated and the power LED will switch on.
- When the power switch is 'OFF', the power is switched off and the power LED will switch off.



5.2 Activation of tone generator

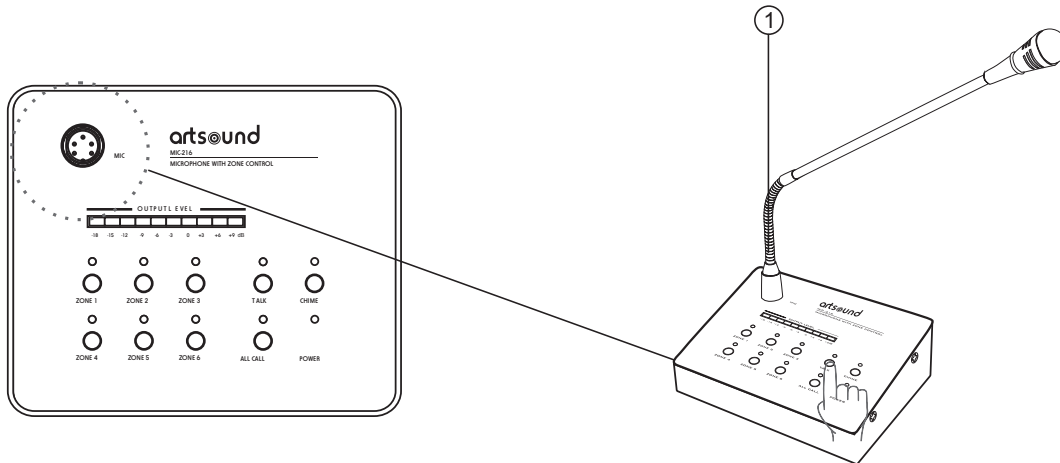
Press 'CHIME' and the LED will light up, then press 'TALK' to activate the ringtone. Select 2/4 tones through the switch on the back of the microphone.



5.3 Microphone use

Connect the microphone through the XLR connection on top of the console. Press the 'TALK' key to start a call. The volume level can be adjusted on the backside of the MIC-216. (MIC/MASTER volume)
If several microphones are used simultaneously, the LED will light up red when the 'TALK' key is pressed. This puts

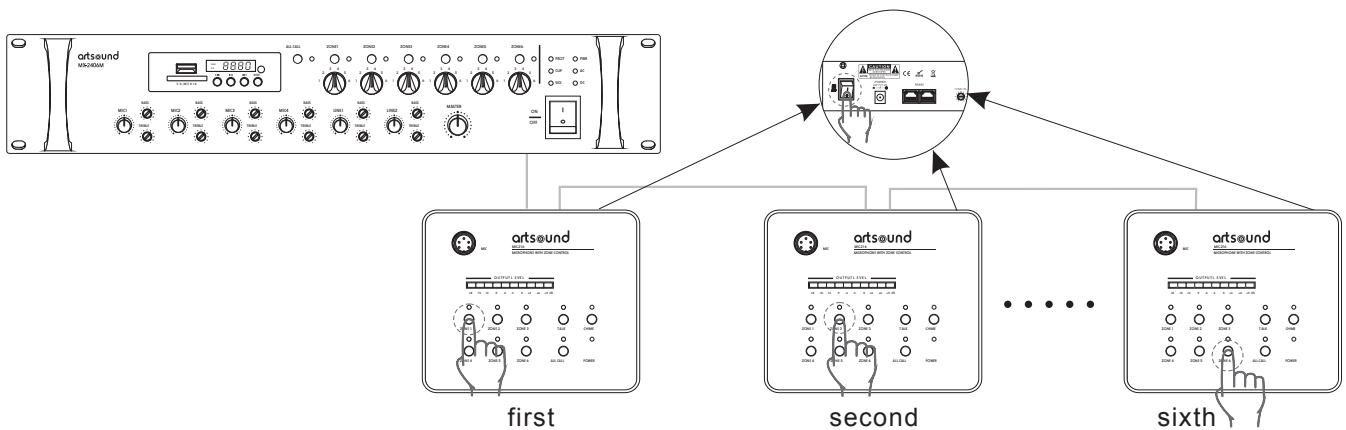
this microphone in 'wait' mode and the LED will light up green as soon as all active conversations are terminated. When the 'TALK' key is activated without a signal being detected, the microphone will automatically switch back into standby after 1 minute.



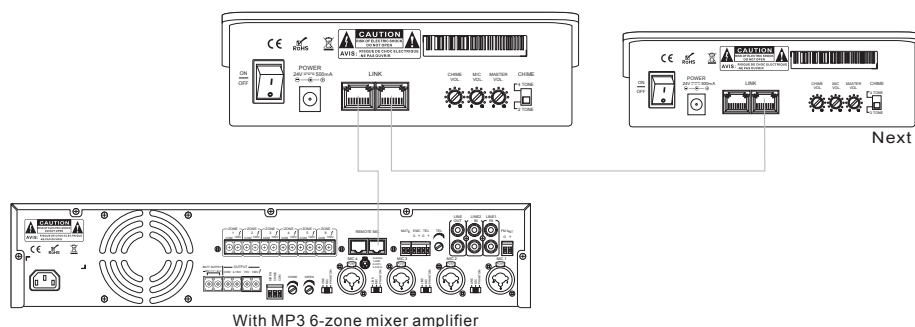
5.4 Addressing MIC-216 on MX-2406M/5006M

MIC-216 is used in combination with MX-2406M/5006M to call up zones selectively, call up all zones or control the CHIME from a distance. Up to 6 MIC-216s can be coupled, each with their own addressing. The first microphone has priority over the others.

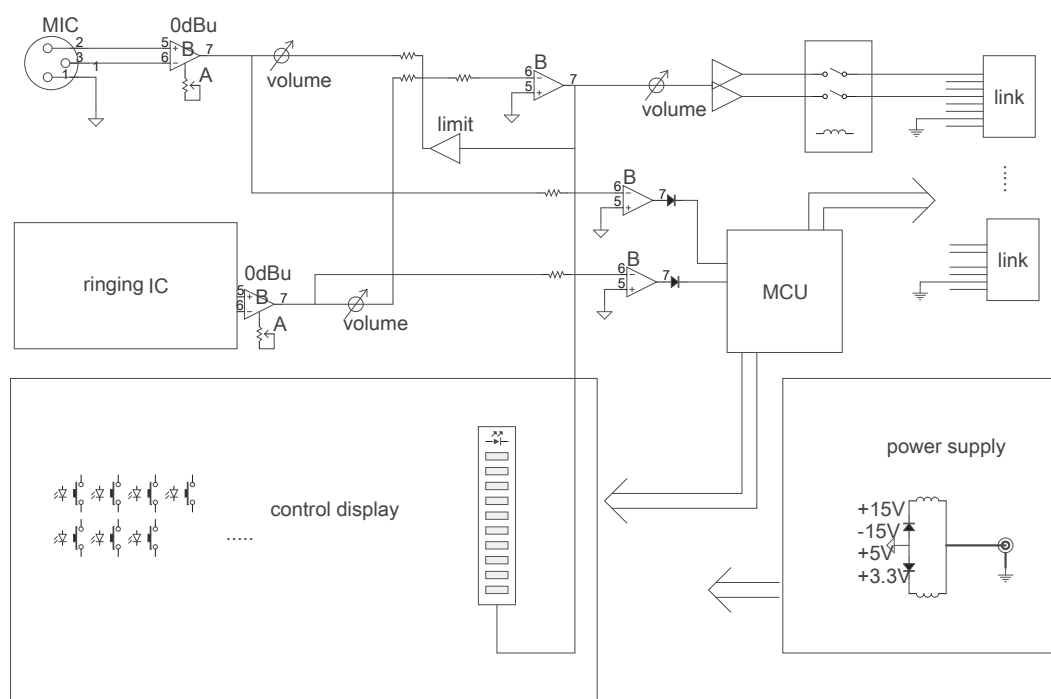
Press 'ZONE1' of the first microphone and simultaneously switch on power (backside). The zone 1 indication LED will light up. Continue with the second microphone by pressing 'ZONE2' and also switching on power simultaneously, etc.



6. Applications.



7. Block diagram.



8. Specifications.

MICROPHONE WITH ZONE CONTROL	
Model	MIC-216
Mic	Condenser microphone
Communication Mode	RS-485
Capacity	6 zone
Input Sensitivity	10mV
Frequency response	80-16KHz ($\pm 3\text{dB}$)
Harmonic Distortion	1% >
Power Consumption	10W
Transmission distance	1Km (Configure 24V External power supply is needed when distance more than 50m)
Supply voltage	DC 24V/500mA
Dimension	175x147x54mm
Weight	1Kg (with microphone)

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