PUBLIC ADDRESS SYSTEM

OPERATION MANUAL

DMI-218

PAGING MIC CONSOLE



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.

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

⚠ **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 RS 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 RS 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.

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 RS 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 DMI-218 is a high performance paging microphone console that works with mixer pre-amplifier DMP-4201 and 10-zone speaker selector for emergency notification and remote paging applications. Features include capability of extension of up to 16 MICS and 160 paging zones, working with 10-zone paging selector. One audio input and one MIC output. Mute function and built-in chime.

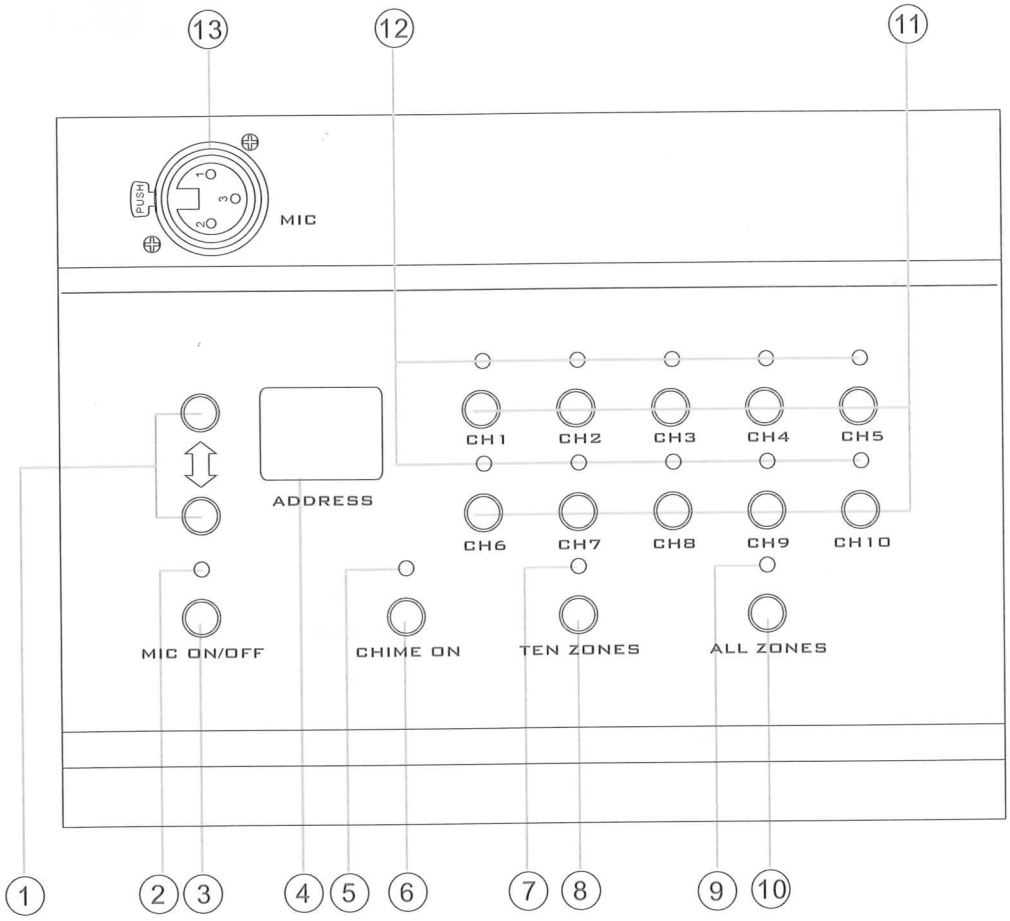
The simple configuration of 10 zones paging system is 10 zone paging selector works with 10 zone speaker selector and DMI-218 remote paging MIC. The max is 160 zones of 16 remote paging MIC DMI-218 and 16 10 zone paging selector DMP-4212.

3. FEATURES

All/ten zones.
1 LINE output , 1 LINE input.
Chime & MIC function.
Remote-control available.

4. NOMENCLATURE AND FUNCTIONS

4.1 FRONT PANEL



1. UP/DOWN
Up select button/Down select button

2. MIC ON/OFF
MIC switch indicator

3. MIC ON/OFF
MIC switch button

4. ADDRESS
LED screen

5. CHIME ON
Chime state indicator

6. CHIME ON
Chime triggering button

7. TEN ZONES
Ten zones switch indicator

8. TEN ZONES
Ten zones switch button

9. ALL ZONES
All zones switch indicator

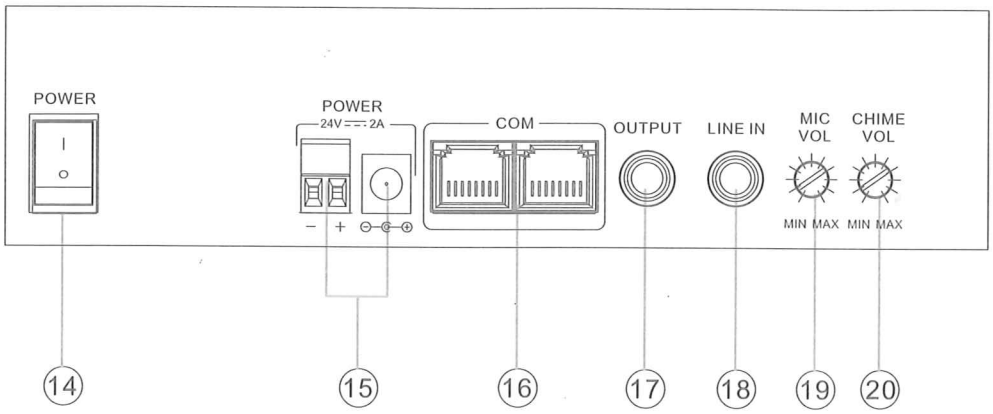
10.ALL ZONES
All zones switch button

11.(CH1~CH10)
Zone switch button

12.(CH1~CH10)
Zone switch indicator

13.MIC
MIC balance input

4.2 REAR PANEL



14.POWER SWITCH

On top of the opening Power

Press the end, power shut down

15.DC 24V POWER INPUT

16.COM

Network Communication Port

17.OUTPUT

Line output, Non-equilibrium type, the output of all input signals.

18.LINE IN

Line Balanced inputs

19.MIC VOL

MIC volume control

20.CHIME VOL

Chime volume control

Address code setting

Hold down the " ALL ZONES " do not put, again, as shown below:



Loosen the hand, this time through the press "up ", " down " button to address settings, then click " ALL ZONES "

Key to confirm the input address code.

For example:

Press the " on " button, display:



Then press the " ALL ZONES" button, display:



The machine 's address is 01.

Note: 1) the address code in the range of 1~30.

2) with memory function: when the restart, press "up", " down " button, then press the " ALL ZONES " button to confirm, can change the address code.

5.OPERATION

The first : Operation

Connect all lines, and is set correctly paging device address code area.
Boot display the address of the remote paging microphone code, as follows:



After 0.3 seconds, showing two figures show the following:



Figures show that the control of the current partition.

Press the Select button, you can change the current partition control.

Shown as 1,[01] said control section 1 to 10 partitions;

Shown as 2 [02] when the control 11 to 20 partitions;

Shown as 3 [03] when the control 21 to 30 partitions;

The second :Partition broadcasting operations

First determine the scope to control the partition, and then press the &quot "MIC ON / OFF" , open the remote paging microphone, and then partition
Or region (10 districts) key, is called the partition (DMP-4212) or a response to allow the region after the partition of paging radio
To carry out normal open or closed.

The third : Broadcasting operating region

And so on.
Zoning control whether any value displayed, press the remote paging microphone button region, the region can be broadcast paging
Open or close operations.

The Fourth, broadcast music

When the partition is opened, the line input of music will be sent.
Press the bell button, built-in bell tone can be sent.
Press the microphone button, open the microphone, you can use the microphone to broadcast.

Note:

1.When the bell or the microphone was opened, the line input of the music automatically muted.
2.When the remote paging microphone is not turned on their own partition, a remote paging microphone open for other partitions and simultaneously displayed, if
This time to the music player, then you need to open a microphone or a bell, the music can be sent.

The fifth, the status light

1.MIC status lights
Light: that the microphone is turned on
off: that the microphone is turned off

2.CHIME status lights
Light: that bell music is sent
Off: that the microphone is turned on
Bell lights can be manually opened, automatically shut down after the bell can not be Manually closed.

3.Partition status lights.
Off: that this partition has been closed
Light: that this partition has been opened
Slow (0.5 seconds) flashes: waiting to be paging device, said response, slow flash to stop That did not receive responses
Fast (interval 0.1 seconds) flash: that is paging device is in busy state, such as: the other is paging equipment, radio or are in the local paging radio, or are in the alarm state. The end of the state will know all the flash lights.

4.Status lights are areas
If the current partition the range of ten branch have all been opened, the status lamp is automatically lit area, or out automatically. When the very area the state is lit, press the key areas that are currently ten branch off, or that the ten minutes to open the current Area.

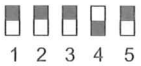
5.State region
If all the partitions have all been opened, the region's status light will turn on automatically, or automatically switch off

6. the operation note
Remote paging microphone comes with an internal microprocessor, the switch-up time must be spaced at least 10 seconds;
Remote paging microphone connected to equipment changes, please restart the computer, or may not work;
Remote paging microphone with the DMP-4212connector systems. The number of allowed two or more devices simultaneously access the same address.
At the same time, allowing only a remote call station at the same time DMP-4212 to make a call.
DMP-4212 receives the current call DMI-218 non-closure of the region data, the data is not clear;
DMP-4212 when the manual paging, paging will clear all the remote data;
DMP-4212 short-circuit alarm, will clear all the remote paging, paging data manually;
DMP-4212 in manual paging or short-circuit alarm, remote paging microphone DMI-218 can not make any calls.

The seventh Note connections
UTP cable must be shielded twisted pair with a double, RJ45 connector joints must be shielded
Cable shield must be two nine-pin D-shaped metal shell interface connection, making RJ45 connector, RJ45 shield must be Connector shield connection, otherwise you may burn equipment
Remote paging microphone connector end of the first row of the last two pins short-circuit must be connected, or may not function properly Paging control.

PAGING SELECTOR ADDRESS CODE SETTING

Address code drawing	Definition
	The first from 1~10
	The second from 11~20
	The third from 21~30
	The fourth from 31~40
	The fifth from41~50
	The sixth from 51~60
	The seventh from 61~70
	The Eighth from 71~80

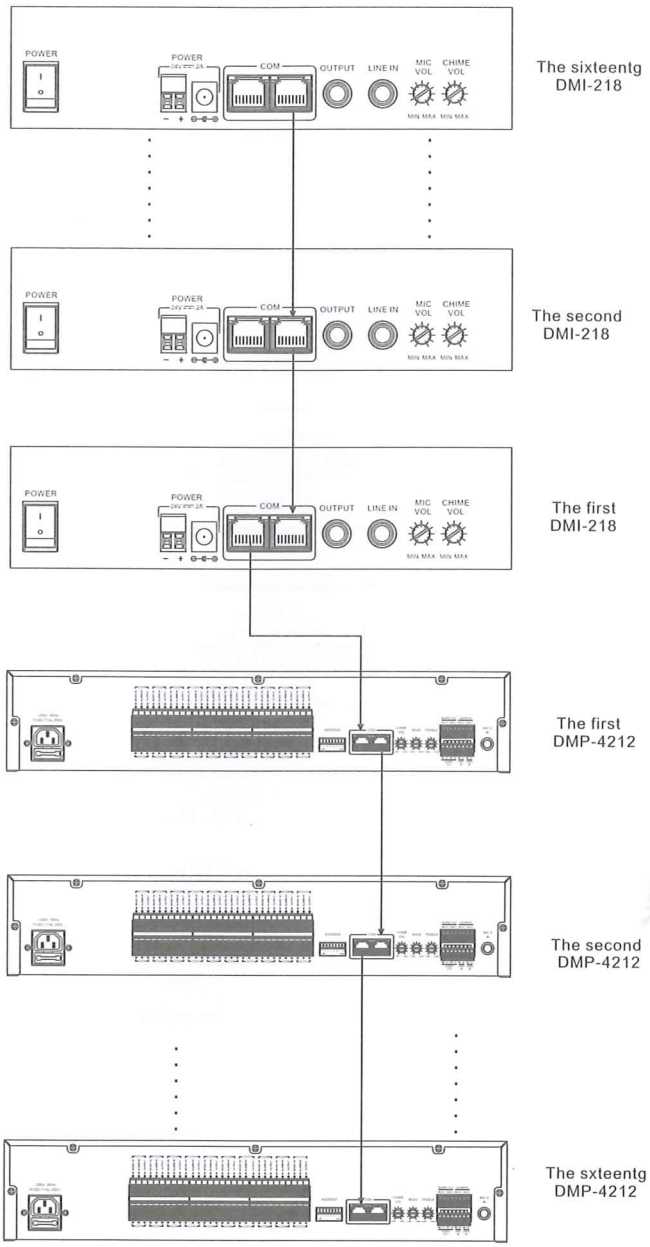
Address code drawing	Definition
	The ninth from 81~90
	The tenth from 91~100
	The eleventh from 101~110
	The twevle from 111~120
	The thirteenth from 121~130
	The fourteenth from 131~140
	The fifteenth from 141~150
	The sixteenth from 151~160

PAGING SELECTOR ADDRESS CODE SETTING

Address code drawing	Definition
	The seventeenth from 161~170
	The eighteenth from 171~180
	The nineteenth from 181~190
	The twentieth from 191~200
	twenty first from 201~210
	Twenty secondt from 211~220
	Twenty third from 221~230
	Twenty fourth from 231~240

Address code drawing	Definition
	Twenty fifth from 241~250
	Twenty sixth from 251~260
	Twenty seventh from 261~270
	Twenty eighth from 271~280
	Twenty ninth from 281~290
	Thirtieth from 291~300
	
	

REAR PANEL CONNECTIONS(1)

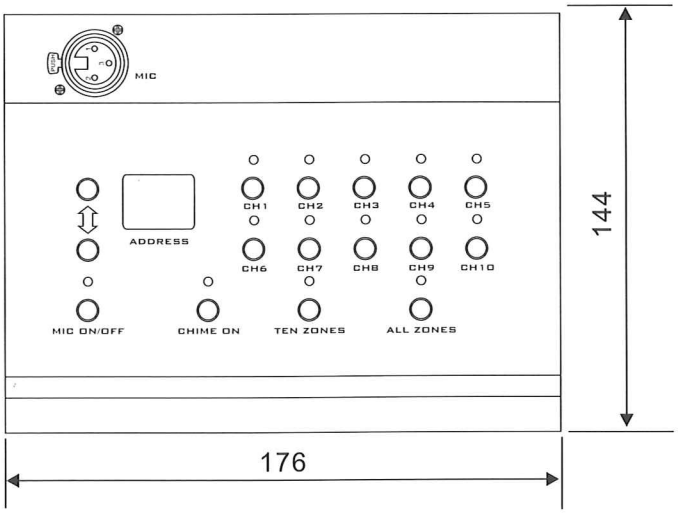


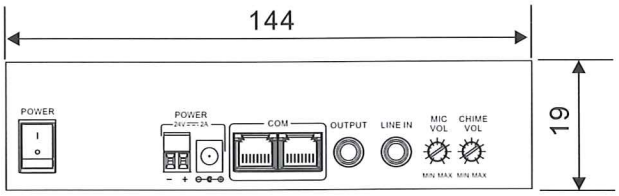
7.SPECIFICATIONS

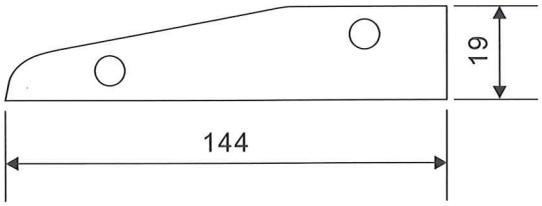
PAGING MIC CONSOLE	
MODEL	DMI-218
INPUT	MIC： 600 Ohms,10mV,Unbalanced LINE： 10KOhms, 400mV,Unbalanced
OUTPUT	Balanced
FREQUENCY RESPONSE	MIC:100Hz~15KHz;LINE: 20Hz~18KHz
CROSSTALK	MIC input : 80dB;Line input: 90dB
CONTROLS	Chime MIC vol controls,160 channel selectors, Chime button, powe switch
INDICATORS	Power LED,10 paging channel LEDs
PROTECTION	AC fuse, 0.5A
POWER REQUIREMENTS	~230V 50Hz
POWER CONSUMPTION	10W
DIMENSION(mm)	484X360X88
NET WEIGHT	2.2Kg
GROSS WEIGHT	2.6Kg

8. DIMENSIONAL DIAGRAM

UNIT :mm







Keep the unit's all sides over 10 cm away from objects that may obstruct air flow to prevent the unit's internal temperature rise.

UNIT :mm

