OPERATION MANUAL

RM-9616
REMOTE PAGING MICROPHONE

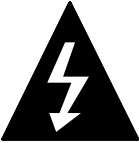# Contents

Unpacking and Installation

Although it is neither complicated to install nor difficult to operate your set , a few minutes of your time is required to read this manual for a properly wired installation and becoming familiar with its many features and how to use them.

Please take a great care in unpacking our set and do not discard the carton and other packing materials. That may be needed when moving your set and are required if it ever becomes necessary to return your set for service.

Never place the unit near radiators, in front of heating vents, excessive humid or dusty location to avoid early damage and for your years quality use. Connect your complementary component as illustrated in the following page.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK.

DO NOT REMOVE COVER (OR BACK).

NO USER-SERVICEABLE PARTS IN SIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.

Cauiton : To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

Attentions : Pour preventir les chocs electriques ne pas utiliser cette fuche polarisee avec un prolongateur, une prise de courant on une autre soruie de courant, sauf si les lames peuvent etre inserees a fond sans en laisser aucune partie a decouvert.

RM-9616 .1

Features

- SPEAKER LINE CONTROL

Speaker line control can easily be achieved by connecting the RM-9616 speaker control terminals to an PASCOM PX-9616 MATRIX unit.

- CHIME

Four tone pre-announcement chime, activated by push button CHIME switch.

- OUTPUT LEVEL METER

Ten segment LED bar graph on the front panel that indicates instantaneous signal output level of the RM-9616.

- MIC BROADCASTING

Easy to use, highly sensitive condenser type MIC for clear broadcasting.

- AUXILIARY SIGNAL INPUT

Auxiliary signal input for Cassette Deck or Tuner makes the RM-9616 an ideal remote piece of equipment for broadcasting background music.

Operating Procedure

1. Switch the RM-5116 on with the POWER switch. THE POWER LED will illuminate.

2. If the announcement is to be broadcast to one of the sixteen loudspeaker zones, press the corresponding channel switch. The selected channel switch LED will illuminate.

3. If the announcement is to be broadcasted to all the sixteen loudspeaker zones, press the ALL call switch. The ALL call switch LED will illuminate.

4. Press the CHIME switch for the pre-announcement chime, if required.

5. You can now use the CM-961 MIC for broadcasting across the system.

6. Adjust the volume to its required level using the relevant MIC, CHIME or AUX control.

7. When the announcement is finished, Turn off all the channel switches (CH1-16) and the ALL call switch to ensure that normal broadcasting can take place. The sixteen channel switch LEDs and the ALL call switch LED will be extinguished.

2. RM-9616

Front Panel Controls
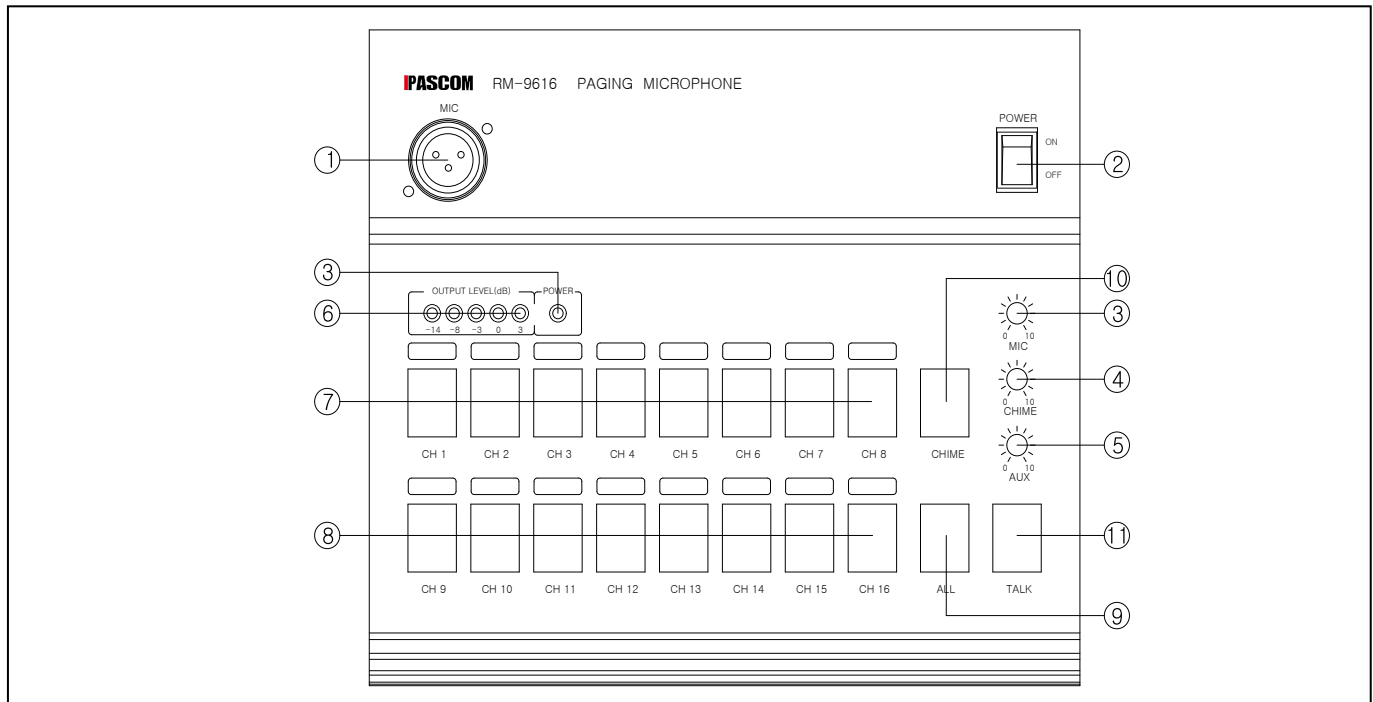
1. MIC INPUT JACK

The CM-916 MIC is connected to this input jack. Its input sensitivity is -60dB.

2. POWER SWITCH (ON/OFF)

Switches ON and OFF the 24V DC power source.

3. MIC VOLUME

Turn to the right to increase the volume and to the left to decrease the volume.

4.CHIME VOLUME

Turn to the right to increase the volume and to the left to decrease the volume.

5. AUX VOLUME

Turn to the right to increase the volume and to the left to decrease the volume.

6. OUTPUT LEVEL METER

Indicates the signal output level between -14dB and +3dB.

7. SPEAKER CONTROL SWITCH

These switches select one of sixteen loudspeaker zones for the broadcasts.

8. SPEAKER ZONE LED

Visual indication of the selected loudspeaker zone.

9. ALL CALL SWITCH

This switch, when pressed ON, selects all the sixteen loudspeaker zones for the broadcast.
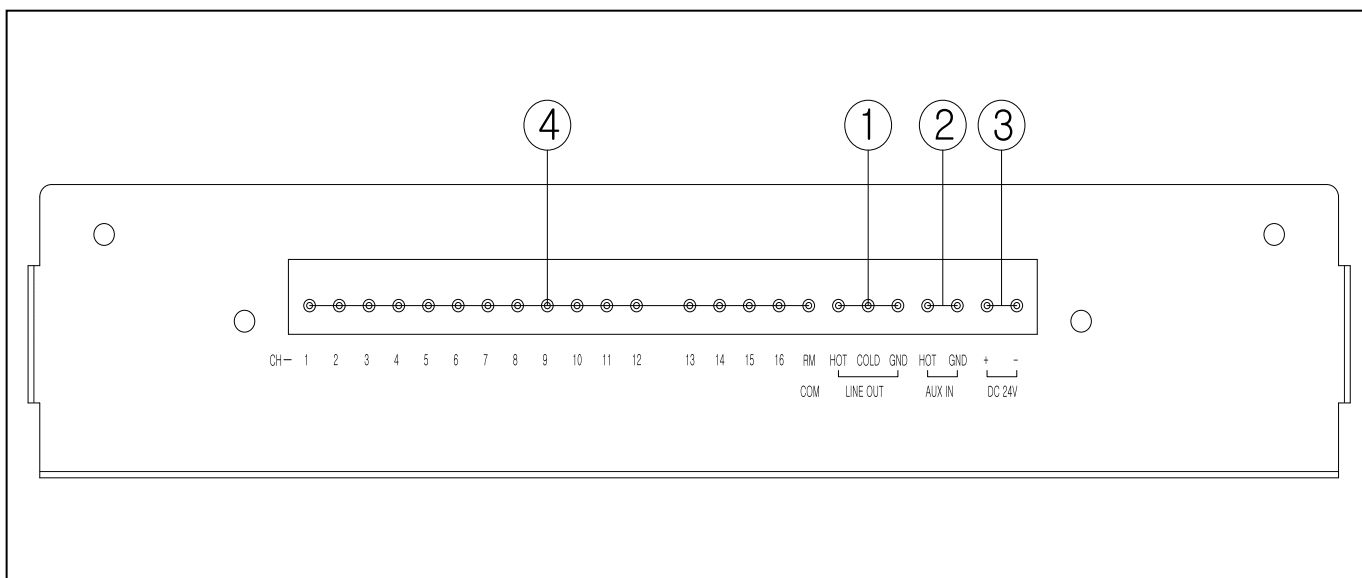
10. CHIME SWITCH

This switch, when pressed, will output a four tone pre-announcement chime to the selected loudspeaker zone(s).

11. TALK SWITCH

The TALK ON switch activates for the CM-916 (LED ON).

Connector Section Functions

1. LINE OUTPUT TERMINALS

Connect the line output terminals to the REMOTE INPUT JACK of the PASCOM EMERGENCY PANEL EM-9600.

2. AUX INPUT TERMINALS

Connect the line output of a Cassette Deck, Tuner of CD player to these terminals. The input sensitivity of the AUX input is -20dB.

3. 24V DC POWER INPUT TERMINALS

Connect the 24V DC OUTPUT of the PASCOM POWER DISTRIBUTOR PD-9600 to these terminals.
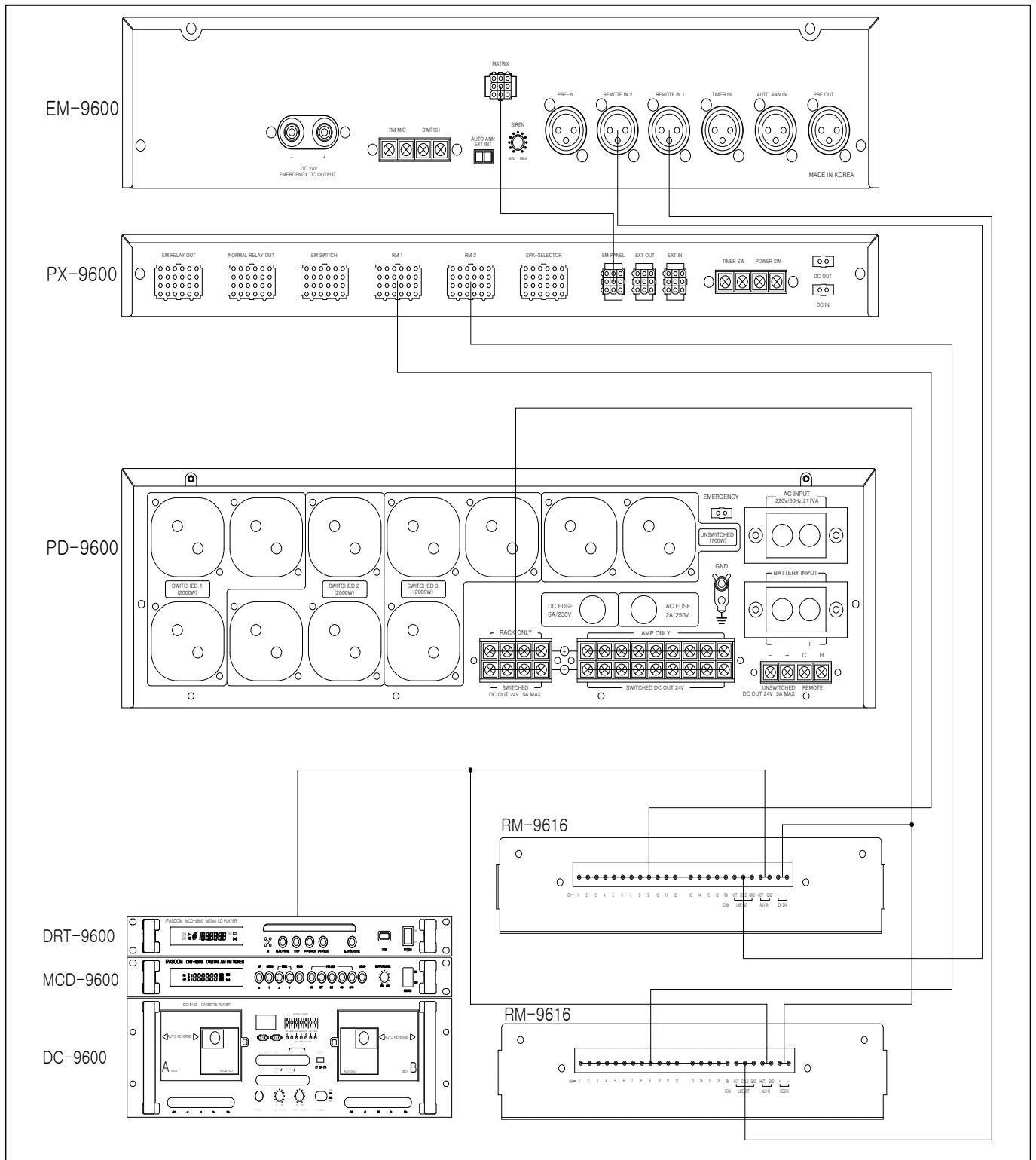
4. SPEAKER CONTROL & COM TERMINALS

Connect these speaker control line terminals to the REMOTE 1 or REMOTE 2 inputs of the PASCOM PX-9600 MATRIX unit.

Caution For Rack Assembly

1. Ensure that power is switched off before installation and before any wiring is connected to the equipment.

2. Site the equipment in well ventilated places and avoid places of high humidity.

3. Whenever possible, fit PASCOM MIC model CM-916. If a Phantom powered MIC is to be used, we recommend that it operates on +5V DC.

4. Please observe wiring polarity when connecting DC power to the equipment.

5. Before connecting to the RM-9616 LINE OUT terminals, check and match the incoming wiring for HOT, COLD & GND potential.

4. RM-9616

Applications

EM-9600

PX-9600

PD-9600

DRT-9600

MCD-9600

DC-9600

RM-9616

RM-9616

RM-9616 . 5

Specifications

0dB=0.775Vrms

- ELECTRICAL

Output Level/Impedance .... +4dB/600Ω,BAL

Input Sensitivity/Impedance

MIC .... -60dB/600Ω,UNBAL

AUX .... -20dB/10KΩ,UNBAL

Frequency Response (-3dB) 80Hz-18KHz

T.H.D .... Less than 0.2%

S/N .... Better than 60dB

Speaker Control Terminal & Switch .... 16 CH

- GENERAL

Power Source .... DC 24V

Weight .... 1.2Kg (Without Microphone)

Dimensions .... 245(W) × 60(H) × 205(D)mm

MIC(CM-516) Specifications

C : 16V10μF.
RL: 2.2KΩ
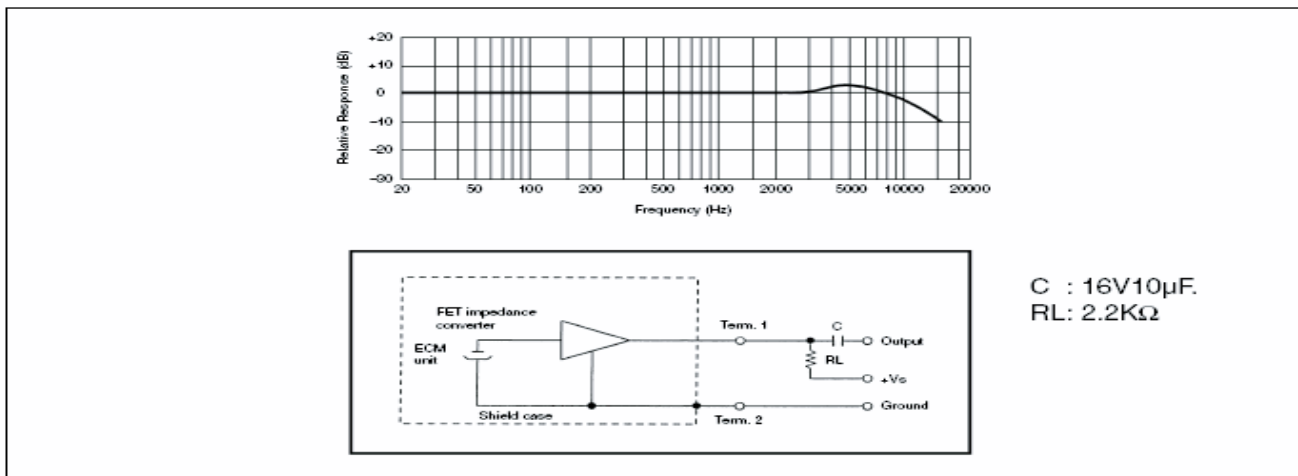
1. Type	:	Electric Condenser Microphone
2. Sensitivity	:	-42dB ± 3dB
3. Impedance	:	Less than 2.2K Ohm
4. Max Operation Voltage	:	10V
5. Standard Operation Voltage	:	4.5V
6. Directivity	:	Omnidirectional
7. Frequency Response	:	20~16,000Hz
8. Current Consumption	:	Max. 0.9mA

Note : Specifications and design subject to change without notice.
*Specifications and design subject to change without notice for improvements.

6. RM-9616

Service

Procedures

Ensure the problem is not related to operator error, or system devices that are external to this unit. Information provided in the troubleshooting portion of this manual may help with this process. Once it is certain that the problem is related to the product contact your warranty provider as described in the warranty section of this manual.

Schematic

A Schematic is available by contacting your warranty provider.

Parts List

A Parts List is available by contacting your warranty provider.

Warranty

Warranty terms and conditions vary by country and may not be the same for all products. Terms and conditions of warranty for a given product may be determined first by locating the appropriate country which the product was purchased in, then by locating the product type. To obtain specific warranty information and available service locations contact PASCOM directl in Korea or the authorized PASCOM Distributor for your specific country or region.

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