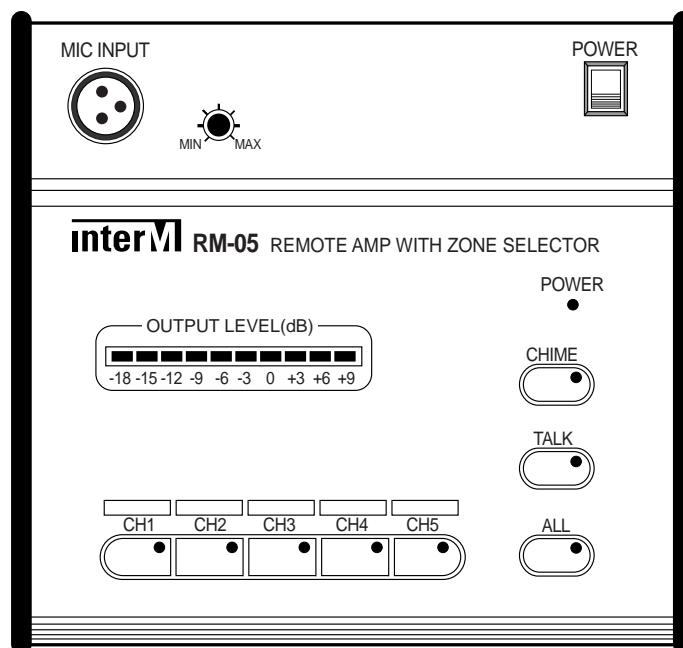


Operating Manual

RM-05 Remote Amp with Zone Selector



interM

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Unpacking and Installation

Although it is neither complicated to install nor difficult to operate your power Amplifier, 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 your set and do not discard the carton and other packing necessary to return your set for 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, to direct sun light, in excessive humid or dusty location to avoid early damage and for your years of quality use. Connect your complementary components as illustrated in the following page.

 <p>CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	 <p>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.</p>  <p>This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.</p> <p>Caution: 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.</p>
<p>WARNING</p> <p>To prevent fire or shock hazard, do not expose the unit to rain or moisture.</p>	<p>Attentions: Pour prévenir les chocs électriques ne pas utiliser cette fiche polarisée avec un prolongateur, une prise de courant ou une autre sortie de courant, sauf si les lames peuvent être insérées à fond sans en laisser aucune partie à découvert.</p>

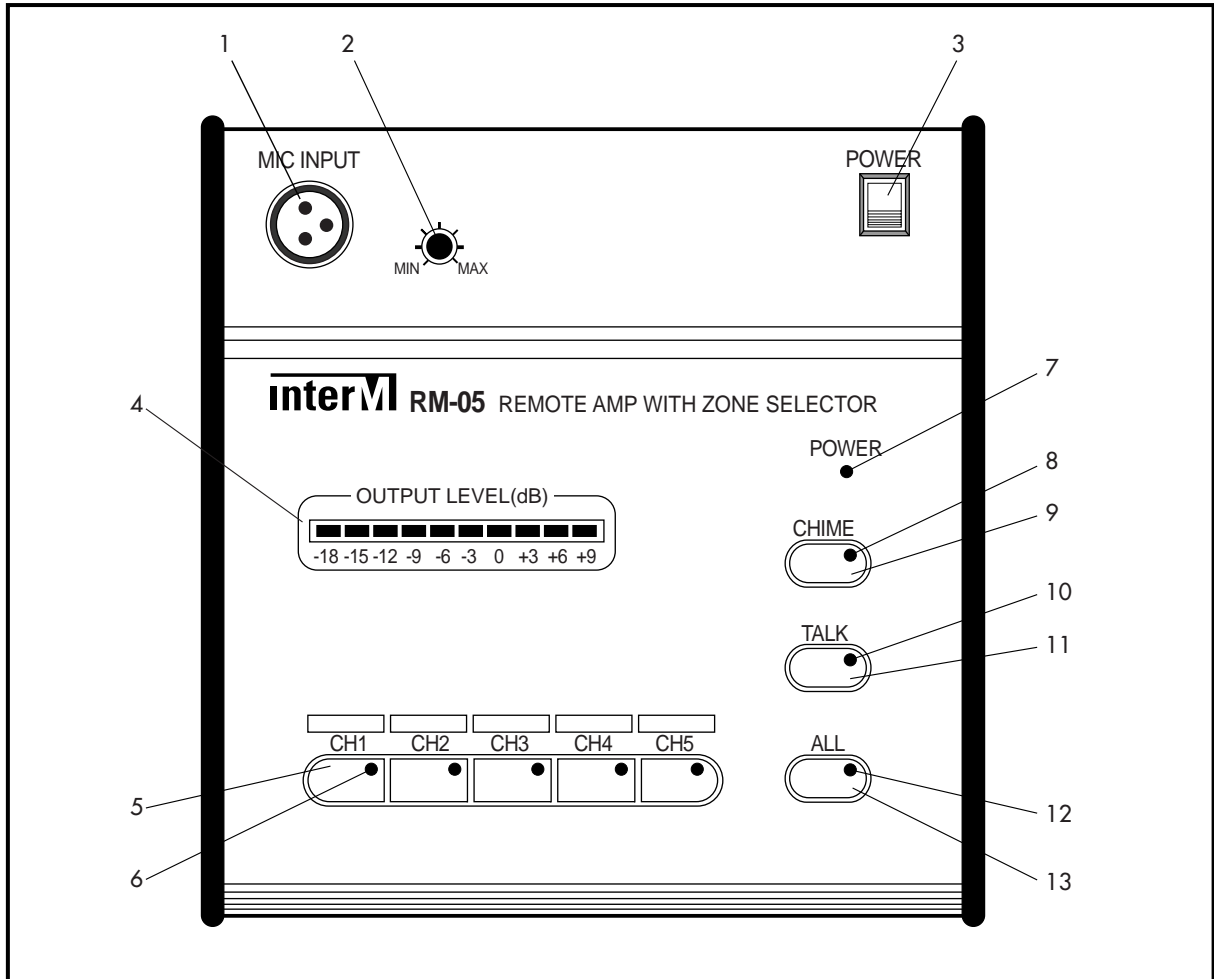
Features

- SPEAKER LINE CONTROL
Speaker zone of PAM-240,360 can be control by RM-05.
- CHIME
Four tone pre-announcement chime, activated by push button CHIME switch.
- OUTPUT LEVEL METER
Ten segment LED bargraph on the front panel that indicates instantaneous signal output level of the RM-05.
- MIC BROADCASTING
Easy to use highly sensitive condenser type MIC for clear broadcasting.

Operating Procedure

- Switch the RM-05 on with the POWER switch. The POWER LED will illuminate.
- If the announcement is to be broadcast to one of the five loudspeaker zones, press the corresponding zone switch. The selected channel switch LED will illuminate.
- If the announcement is to be broadcast to all loudspeaker zones, press the ALL call switch. The ALL call switch LED will illuminate.
- Press the CHIME switch for the pre-announcement chime, if required.
- You can now use the CMC-01 MIC for broadcasting across the system.
- Adjust the volume to its required level using the relevant MIC.
- When the announcement is finished, Turn off all the zone switches and the ALL call switch to ensure that normal broadcasting can take place.

Front Panel Controls



1. MIC INPUT JACK

The CMC-01 MIC is connected to this input jack. It's input sensitivity is -50dB.

2. MIC VOLUME

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

3. POWER SWITCH (ON/OFF)

Switches ON and OFF the 24V DC power source.

4. OUTPUT LEVEL METER

Indicates the signal output level between -18dB and +9dB.

5. SPEAKER CONTROL SWITCH

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

6. SPEAKER ZONE LED

Visual indication of the selected loudspeaker zone.

7. POWER LED

This LED will illuminate when the POWER switch is ON.

8. CHIME SWITCH LED

This LED will illuminate when the chime switch is pressed.

9. CHIME SWITCH

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

10. TALK LED

Visual indication of the TALK ON switch.

11. TALK SWITCH

The TALK ON switch activates for the CMC-01. (LED ON)

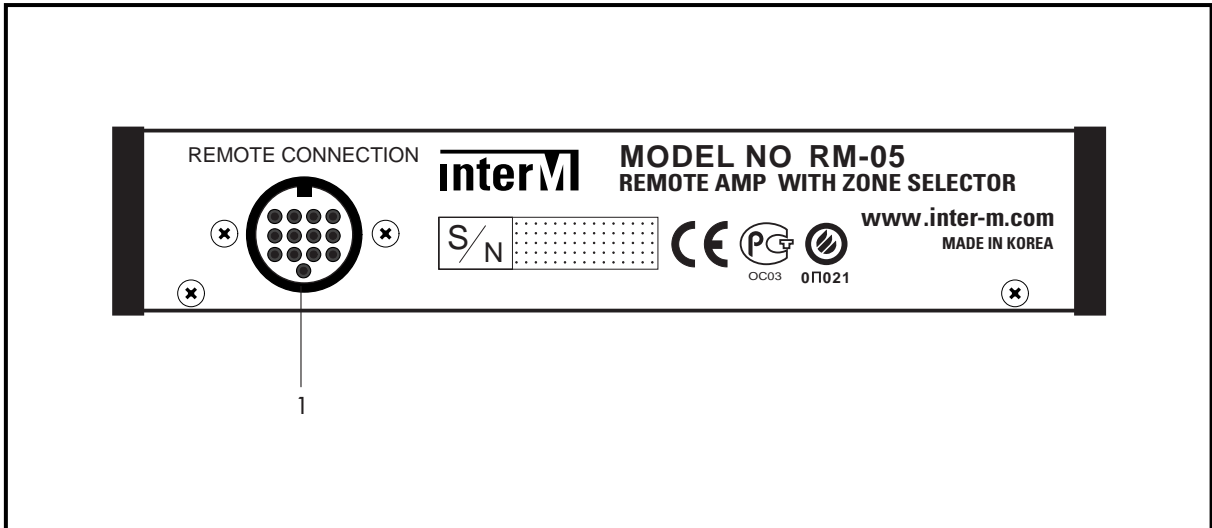
12. ALL CALL LED

Visual indication showing that all loudspeaker zones are selected.

13. ALL CALL SWITCH

This switch, when pressed ON, selects all loudspeaker zones for the broadcast.

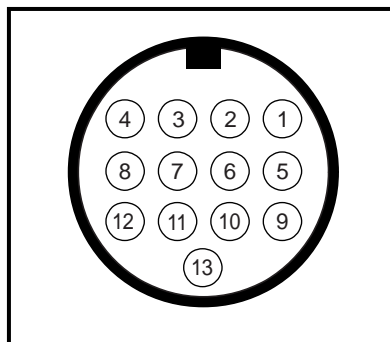
Connector Section Functions



1. REMOTE CONNECTOR

This jack must be only connected with PAM-240,360.

※Refer to pin number as below.

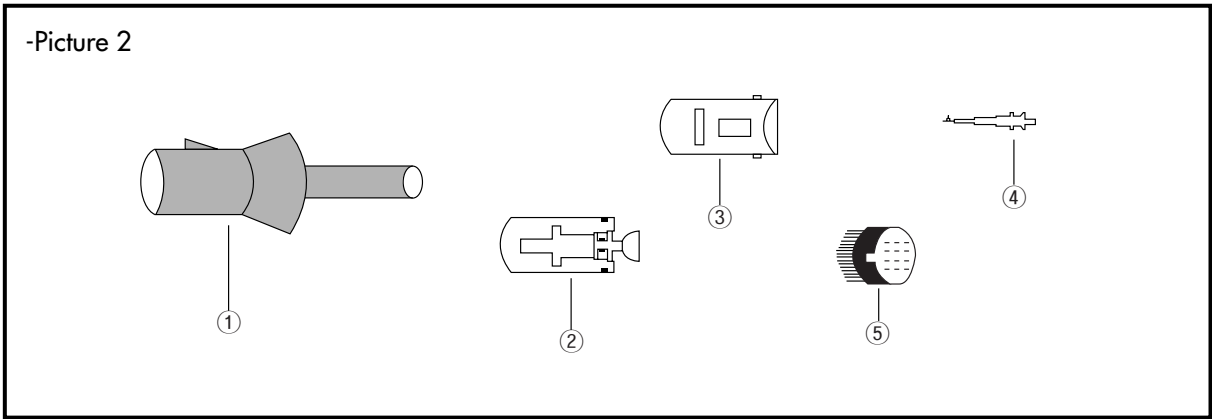
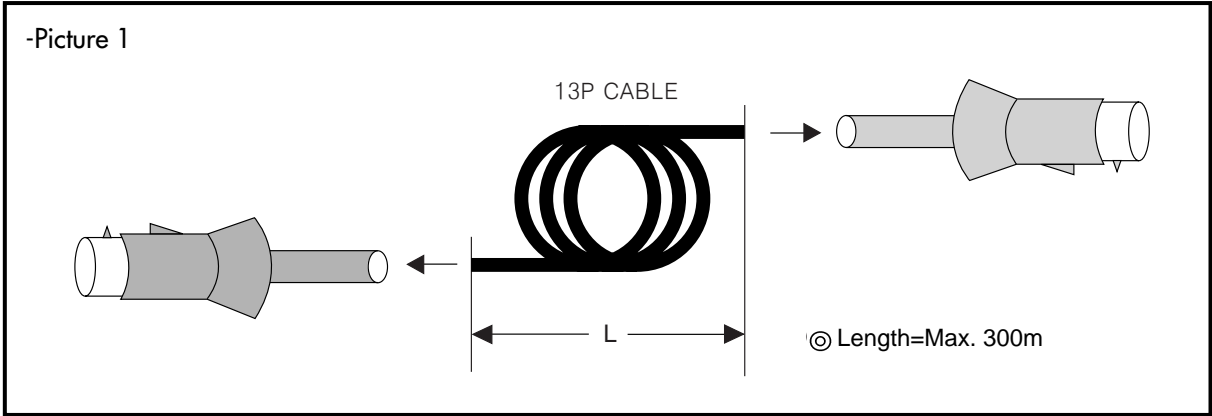


You can use conveniently Remote Control Speaker zone can be selected and chime can be opeated) through the DIN jack (13 pin)

Pin 1 : Remote amplifier input signal hot (+)	Pin 8 : Remote control 5 (SP5)
Pin 2 : Remote amplifier input signal cold (-)	Pin 9 : Remote control ground
Pin 3 : Signal ground	Pin 10 : DC +24V
Pin 4 : Remote control 1 (SP1)	Pin 11 : Ground
Pin 5 : Remote control 2 (SP2)	Pin 12 : NC
Pin 6 : Remote control 3 (SP3)	Pin 13 : Remote chime
Pin 7 : Remote control 4 (SP4)	

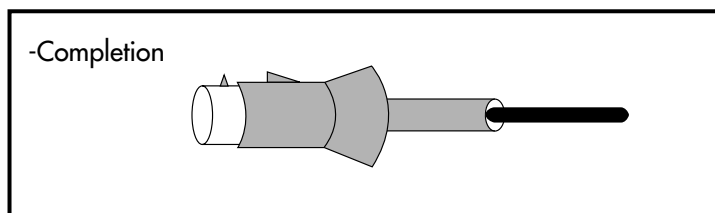
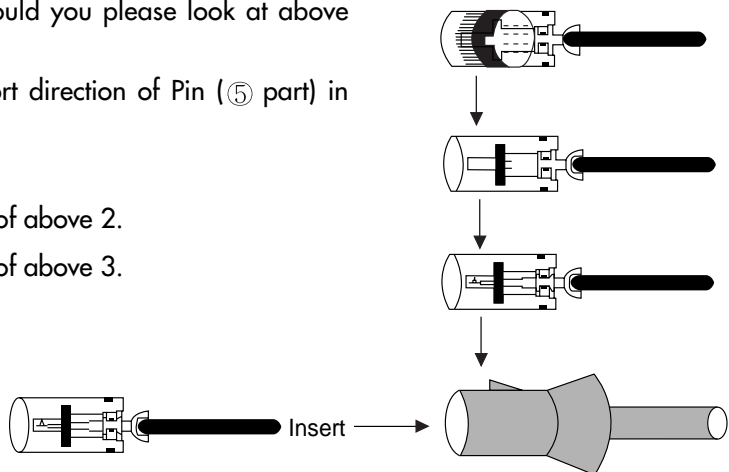
* Remote cable length must be used within 300 meter (cable 300m)

How to Connect 13P Cable to Din Jack

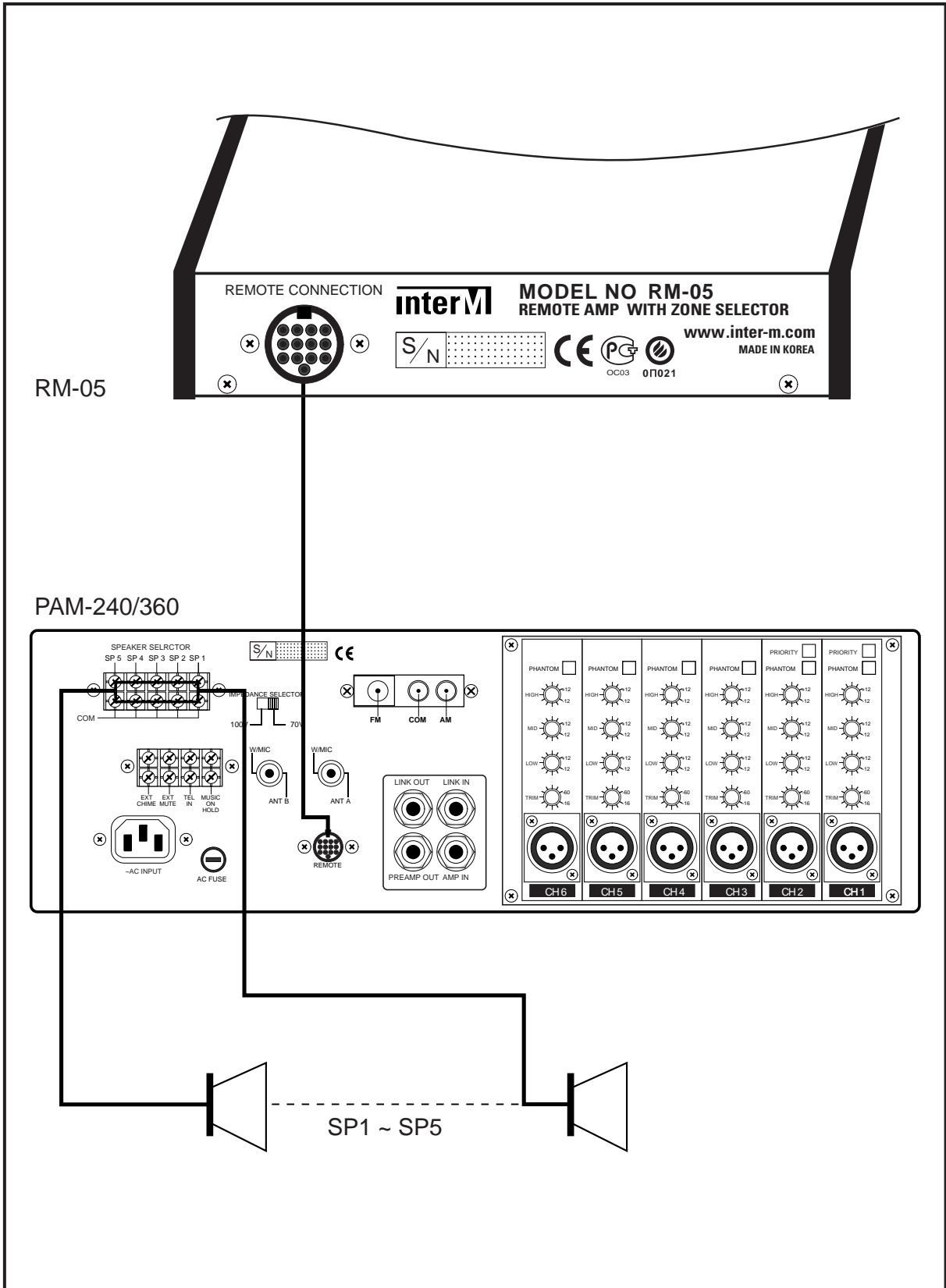


- Assembly procedure for Din Jack. Would you please look at above picture 2

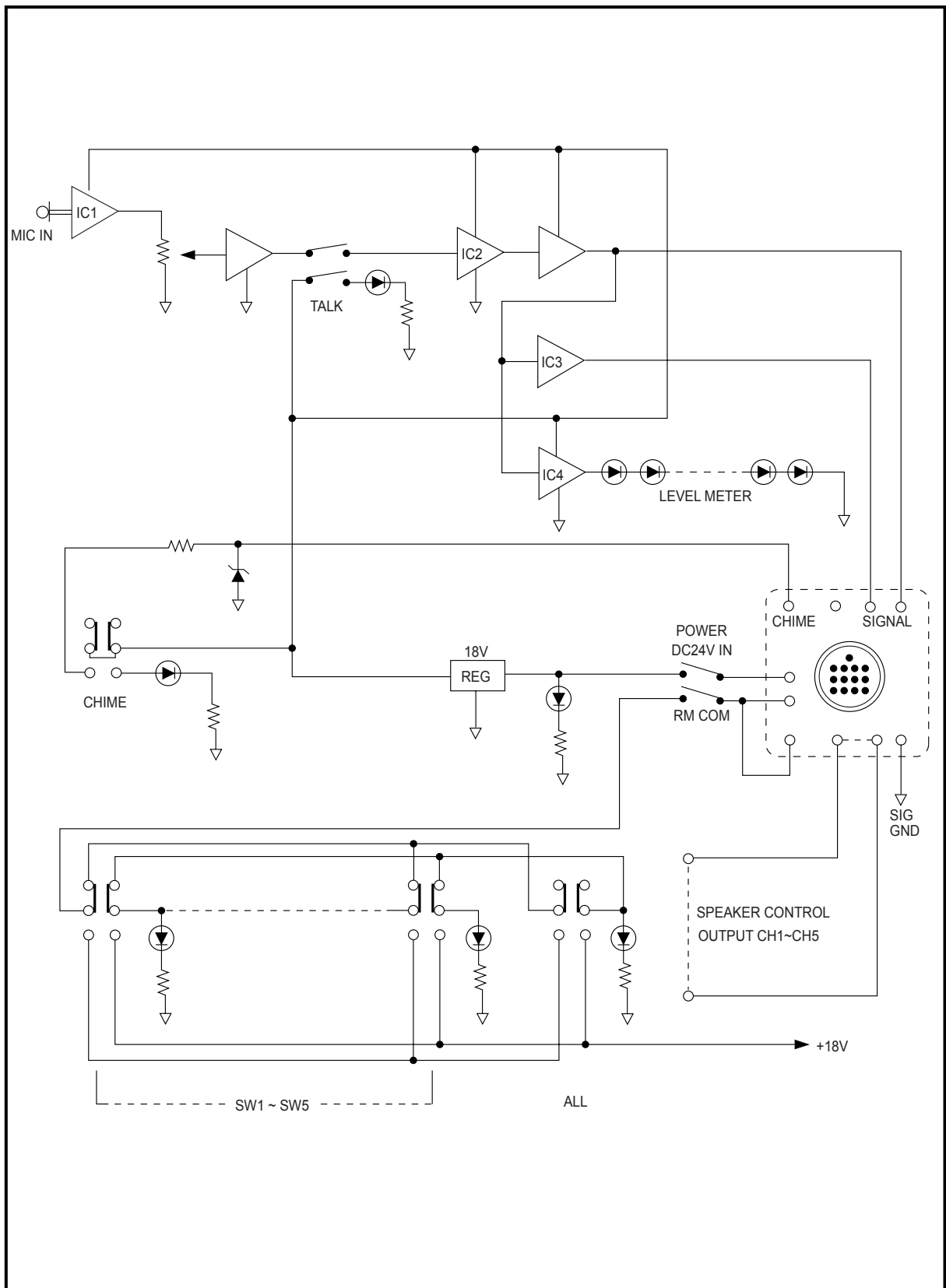
- 1) Soldering 13-strip cable on the short direction of Pin (⑤ part) in good order.
- 2) Put on ⑤ part with cable on ② part.
- 3) Insert ③ part on the assembled part of above 2.
- 4) Insert ④ part on the assembled part of above 3.
- 5) Put in above 4) into ① part well.



Connections



Block Diagram



Specifications

- ELECTRICAL

Output Level/Impedance	+4dB (unit gain)/600Ω, BAL
MIC Input Sensitivity/Impedance	-50dB/600Ω, BAL
Frequency Response.....	20Hz~20kHz, -3dB
THD	Less than 0.1%
S/N	Better than 65dB
Speaker Control Terminal & Switch	5CH

- GENERAL

Power Source	DC 24V
Weight.....	1.0kg
Dimensions.....	195(W) × 60(H) × 205(D)mm

MIC (CMC-01) Specifications

Type.....	Condenser Microphone
Polar Pattern	Unidirectional
Frequency Response	100Hz~16,000Hz
Impedance.....	Max 680Ω
Sensitivity	-47dB±3dB (0dB=1V/0.1Pa at 1kHz)
Sensitivity Reduction.....	Within -3dB at 1.0V
Current Consumption	Max 0.5mA
S/N Ratio	More than 60dB
Standard Power Supply.....	DC 1.5V
Weight Goose Neck	200g

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

