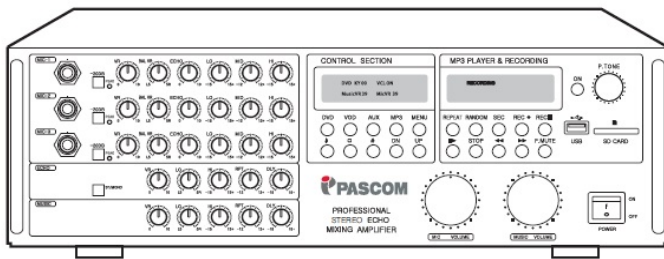


# MUSE

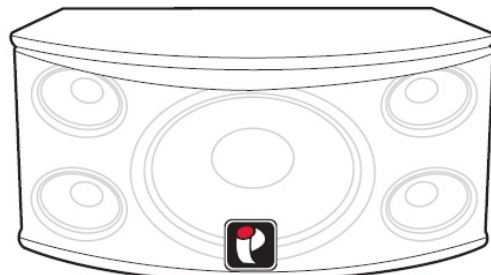
PROFESSIONAL KARAOKE SYSTEM

# OPERATION MANUAL

Professional Stereo Echo Mixing Amplifier: MUSE-602  
Karaoke Speaker: FS-200  
Dynamic Microphone: DM-980



MUSE-602



FS-200



DM-980



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).



The lightning flash with arrowhead symbol, within equilateral triangle, 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.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DON'T EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**

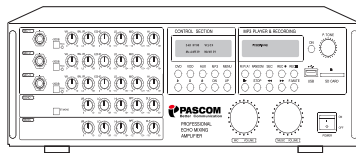
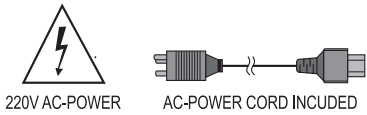
- 1 Read these instructions.
  - 2 Keep these instructions.
  - 3 Heed all warnings.
  - 4 Follow all instructions.
  - 5 Do not use this apparatus near water.
  - 6 Clean only with dry cloth.
  - 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
  - 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
  - 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
  - 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
  - 11 Only use attachments/accessories specified by the manufacturer.
  - 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Do not expose this apparatus to drips or splashes.
  - Do not place any objects filled with liquids, such as vases, on the apparatus.
  - Do not install this apparatus in a confined space such as a book case or similar unit.
  - The apparatus draws nominal non-operating power from the AC outlet with its POWER switch in the off position.
  - The apparatus should be located close enough to the AC outlet so that you can easily grasp the power cord plug at any time.
  - Do not attempt to modify, repair, or disassemble the unit, as opening or removing covers may expose you to dangerous voltage or other hazards.



An appliance and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the appliance and cart combination to overturn

### Check the voltage

This unit is designed for use with 220V / 50Hz AC. If the area where you live have different power source, you may need to use a transformer to convert to 220 Volts AC.

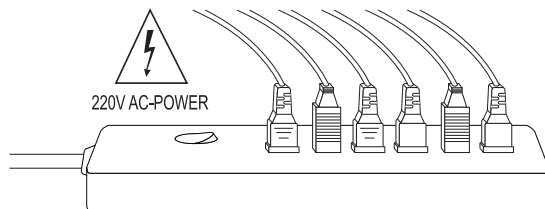


### Do not transport the electronic equipment by yourself if its weight exceeds 70 pounds.

It is recommended that two people work together to transport the equipment or by using hand truck

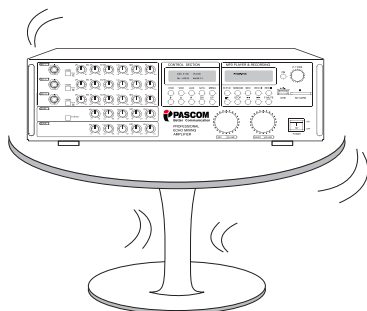
### Overloading

Do not overload the AC outlet on the unit. If power consumption exceeds over the indicated on the rear panel, this can result in fire or other hazard.

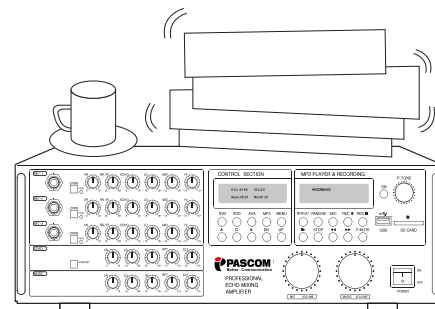


### Do not place the electronic equipment on the unstable table or stand.

Because it would fall easily from the unstable table or stand, so it may cause accident including personal injuries and damage the equipment. Please follow our instructions to install the equipment



### Do not store the electronic equipment near water or area with moisture



### Do not place the electronic equipment near heat sources

Placing the electronic equipment too near to these heat sources would result in damaging the equipment and causing fire.

### Do not disassemble the unit

Do not attempt to modify, repair, or disassemble the unit, as opening or removing covers may expose you to dangerous voltage or other hazards. There are no user serviceable parts inside. If the unit has a problem or breakdown in case of you attempt to modify the unit, quality of the unit can not be guaranteed.

### Do not damage the Power Cord

When remove the power cord from AC input, always grasp and pull the plug, not the power cord. Damage to the power cord may cause short-circuit or shock hazard. Power cord should not be routed to under furniture or where it may be likely damaged.

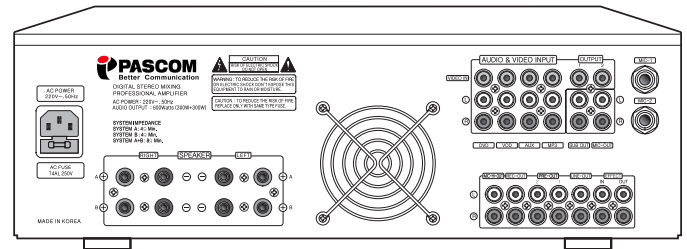
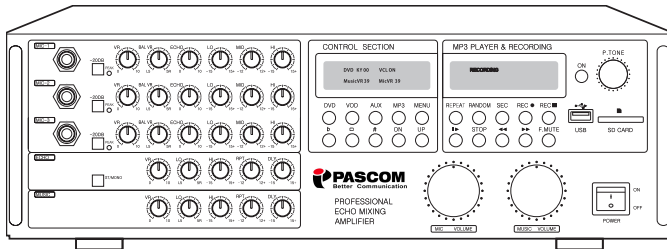
### If malfunction occurs

If malfunction occurs, such as noise in the sound or odor from the unit, remove the power cord from the AC outlet and stop using the unit immediately and consult your local dealer.

### When you leave your home or installation location

When you leave your home for a long period of time, turn OFF the power and remove the power cord from the AC outlet. This will prevent from unexpected accident and fire.

## Professional Echo Mixing Amplifier: MUSE-602

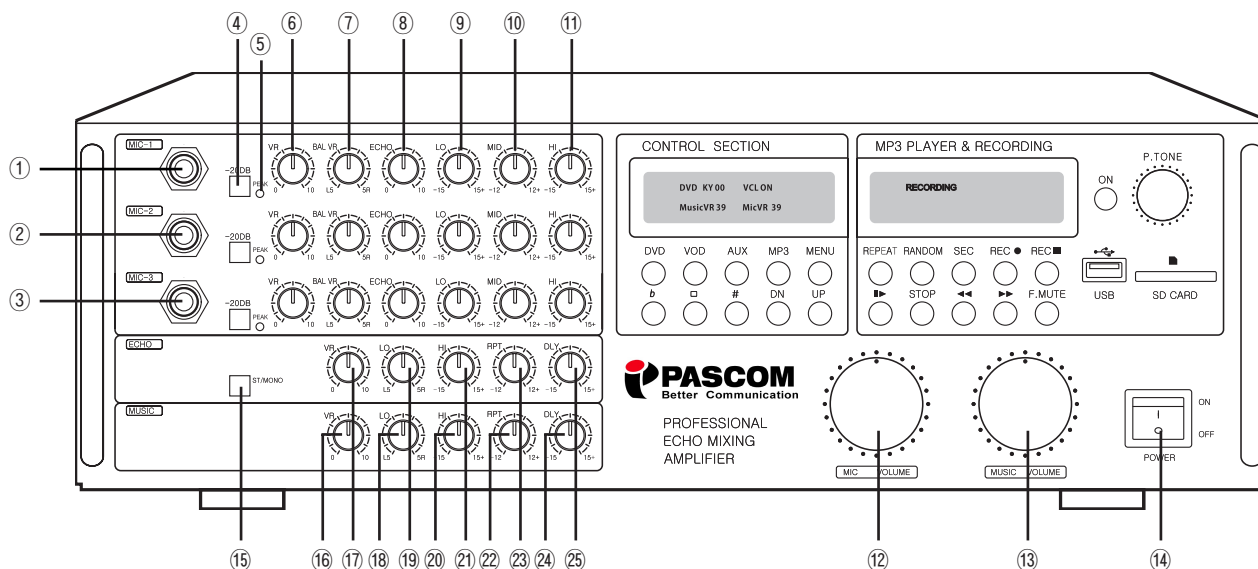


### FEATURES

- Play music and recording by USB, SD/MMC card input; Display informations on LCD
- Easily control and adjust the amplifier's interface
- Equalizer 3 band control (Hi-EQ, Mid-EQ, Low-EQ)
- Source input: DVD, VCR, CDG (AUX) & BGM (MP3) auto/manual
- Vocal cancellation detect the original audio source eliminate original singer vocal
- ECHO live sound effect enhanced the high and low pitch
- Music Gain signal limiter and sensitivity control
- Music tone controlled Bass/Mid-range/Treble
- Microphone Gain signal limiter and sensitivity control
- Microphone tone controlled Bass/Mid-range/Treble
- Music speed key control
- Automatically adjust Micro/Music volume to level 0 when power on
- Speaker protection, hum and noise cancelling function
- ELECTRONIC volume adjustment
- Balance adjustment for music level and vocal level
- Music Stereo and Mono switching position
- Music level enhanced switcher, on and off
- LED indicator for microphone volume limit control - PEAK
- Music and microphone vocal signal line out can be separate out for the subwoofer effect for crystal vocal
- Audio signal bypass line out
- Music mode for the VOD system score counting
- 2 line out for recording and external connection
- 4 channel speaker output
- Smart fan

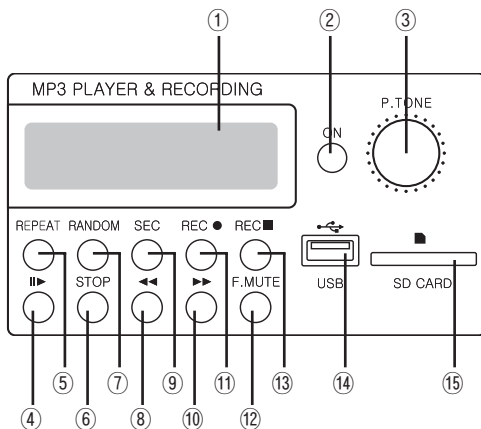
### SPECIFICATIONS

- Audio output: 600W (4 Ω)
- Microphone Input: 5 (front x 3, rear x 2)
- Video inputs: 4 (RCA jacks)
- Video outputs: 2 (RCA jacks)
- Audio inputs: 4 (RCA jacks)
- Audio outputs: 2 (RCA jacks)
- Music input section
- +S/N ratio:  $\geq 90$  dB
- +THD:  $\leq 0.1\%$
- +Input sensitivity/Impedance: 200mV/1.5 kΩ
- +Frequency Response: 20Hz-20kHz, -1 dB
- +Max. output: 1Vp-p/75 Ω
- +Key control: +/-7 steps
- +Super Bass (SUB) THD:  $\leq 0.5\%$
- Micro input section:
- +S/N Ratio: 70 dB
- +THD (effect off):  $\leq 0.5\%$
- +Frequency Response: 20Hz-15kHz, -3 dB
- +Input sensitivity/Impedance: 1mV-100mV/1.5k Ω
- Dimension: 430 (W) x 360 (D) x 160 (H) mm
- Net weight: 11 kg
- Included accessories: 1 x power cord, 1 x remote control, 1 x manual, 2 x AAA battery



- 1. MIC. 1 INPUT**  
Connecting microphones to input 1.
- 2. MIC. 2 INPUT**  
Connecting microphones to input 2.
- 3. MIC. 3 INPUT**  
Only for microphone input 3.
- 4. MIC. 1 GAIN SWITCH**  
Turn it on to increase the microphone signal level to -20dB. Turn it down to decrease the microphone signal level to normal.
- 5. MIC. 1 SIGNAL LIGHT**  
When it receives an audio signal at or above 0dB automatically on. Signal will appear on the meters.
- 6. MIC. 1 VOLUME CONTROL**  
Adjust the microphone 1 Volume.
- 7. MIC. 1 BALANCE CONTROL**  
Adjusts the microphone 1 signal for left and right speakers.
- 8. MIC. 1 ECHO VOLUME CONTROL**  
Adjusts the microphone 1 echo effect EQ response.
- 9. MIC. 1 LOW CONTROL**  
Adjusts the microphone 1 low frequency EQ response.
- 10. MIC. 1 MIDDLE CONTROL**  
Adjusts the microphone 1 middle frequency EQ response.
- 11. MIC. 1 HIGH CONTROL**  
Adjusts the microphone 1 high frequency EQ response
- 12. MIC. MASTER VOLUME CONTROL**  
To control all microphones output level. The volume level starts from 1 to 50 units (not the dB level)
- 13. MUSIC MASTER VOLUME CONTROL**  
To adjust the volume of the musical source. The volume level starts from 1 to 50 units (not the dB level).
- 14. POWER ON/OFF**
- 15. STEREO OR MONO SELECTOR**  
Adjusts the echo stereo or mono.
- 16. MUSIC VOLUME CONTROL**  
Adjusts the music volume level.
- 17. ECHO VOLUME CONTROL**  
Adjust the echo volume level. It will be affected all MIC.
- 18. MUSIC BALANCE CONTROL**  
Adjusts the music balance signal for left and right speaker.
- 19. ECHO LOW FREQUENCY CONTROL**  
Adjusts the low frequency EQ response.
- 20. MUSIC LOW FREQUENCY CONTROL**  
Adjusts the low frequency EQ response.
- 21. ECHO HIGH FREQUENCY CONTROL**  
Adjusts the high frequency EQ response.
- 22. MUSIC MIDDLE FREQUENCY CONTROL**  
Adjusts the middle frequency EQ response.
- 23. ECHO REPEAT CONTROL**
- 24. MUSIC HIGH CONTROL**  
Adjust the high frequency EQ response.
- 25. ECHO DELAY CONTROL**

## USB / SD CONTROL SECTION



### 1. LCD DISPLAY FOR MP3

### 2. STANDBY SWITCH

Turn On /Off MP3 Player panel

### 3. VOLUME KNOB

A. PLAY MODE: MP3 Level, BASS & TREBLE control.

Normal is volume control MP3 Level is increased or decreased

1) Function selected (Volume - BASS - TREBLE): Push switch

2) Level change: Clockwise & Counterclockwise

B. CLOCK MODE & TIMER CONTROL

1) Function selected: Push switch

2) Function change: Clockwise & Counterclockwise

### 4. PLAY / PAUSE

During the music playing, if press this switch, it turn to PAUSE mode and press this switch again, it turn to PLAY mode again.

#### PLAY MODE SELECTOR

Pressing this switch for 2 seconds, it can be selected AUTOPLAY and STOP autoplay function and selecting function is applied after changing mode from USB or SD mode and return to USB or SD

### 5. REPEAT

1) NOR: LCD DISPLAY

Play all track USB or SD

2) RPT: LCD DISPLAY

Repeat one track

### 6. STOP SWITCH

Stop playing music from USB or SD

### 7. RANDOM

Random track order

### 8, 9. TRACK UP & DOWN - REWIND & FF SWITCH

1) Track UP & DOWN

2) Long press: REWIND & FF

### 10. SELECTOR: FUNCTION SELECTOR

TIME-USB-SD

### 11. MP3 RECORDING

Press this button to start record. Folder & file name are automatically created

### 12. F. MUTE

Long press to mute MP3

### 13. RECORDING STOP

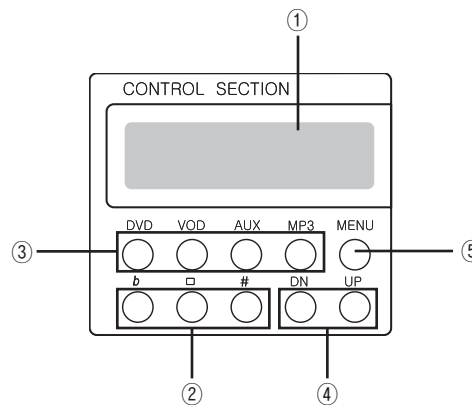
1) PLAYING MODE: Recording source selector USB or SD

2) RECORDING: Recording stop

### 14. USB SLOT

### 15. SD CARD SLOT

## CONTROL SECTION



### 1. CONTROL SECTION LCD DISPLAY

### 2. KEY CONTROL SWITCH

### 3. INPUT SELECTOR

DVD / VOD / AUX / MP3

### 4. MENU UP & DOWN

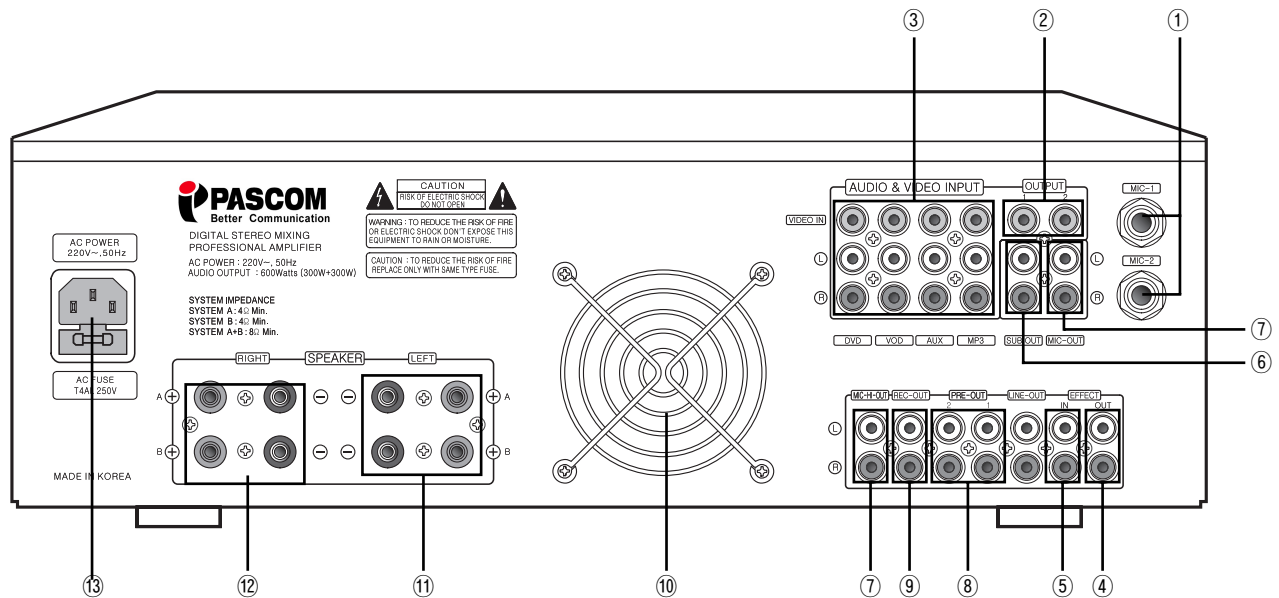
### 5. MENU

1) BBE CONTROL

2) MHC - ON/OFF

MICROPHONE HUMMING CONTROL

## REAR PANEL



### 1. MIC. 1 & MIC. 2 REAR INPUTS

The same terminal with front MIC. 1 & MIC. 2 input. Rear input is designed for wireless or wired microphone.

### 2. VIDEO OUTPUT

Dedicated composite video output. If the wiring distance to the output source is more than 10m, a composite video distributor is needed, otherwise, the video will be very poor.

### 3. VIDEO & AUDIO INPUT

DVD / VOD / AUX / MP3

### 4. SOUND EFFECT DEVICE SEND

Enable connection to reverberation unit, equalizer and other assisting sound sources. Please do not remove the connector pin.

### 5. SOUND EFFECT DEVICE RETURN

Enable connection to Reverberation unit, equalizer and other assisting sound sources. Please do not remove the connector pin.

### 6. SUBWOOFER OUTPUT

This is a bass signal out to the powered subwoofer.

### 7. MIC OUTPUT

This is a vocal signal out to scoring system. This function is designed for KTV business.

### 8. RCA CONNECTOR OUT TO BRIDGE AMPLIFIER

### 9. RCA CONNECTOR SIGNAL OUT FOR RECORD

### 10. SMART FAN

It automatically turns on when the temperature reaches 45°C. It has a built-in sensor to measure the temperature.

### 11. MAIN LEFT SPEAKER POWER OUTPUT

Dedicated Group-A&B

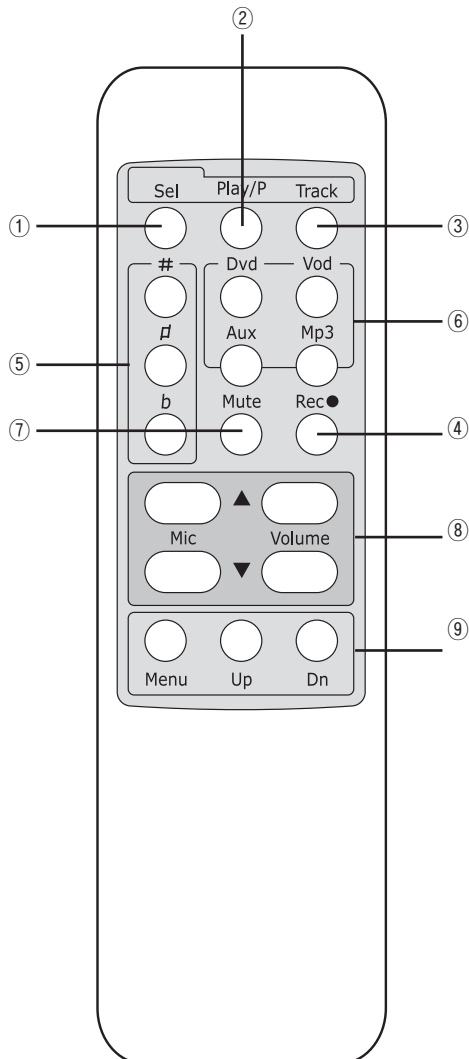
### 12. MAIN RIGHT SPEAKER POWERED OUTPUT

Dedicated Group-A&B

### 13. AC INPUT

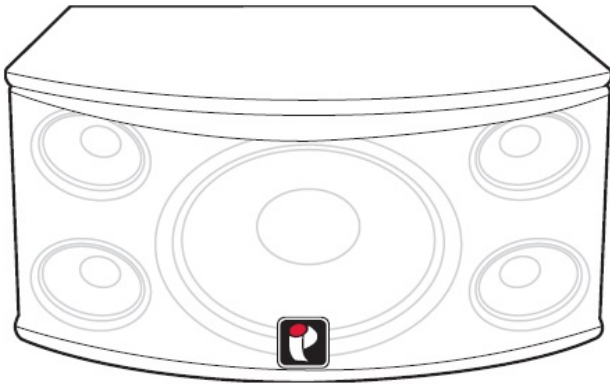
Connect this to 220V 50Hz AC with the supplied power cord

## REMOTE CONTROL



- 1. Sel**  
MP3 Function selector
- 2. Play/P**  
MP3 Play & pause selector
- 3. Track**  
MP3 Track Up
- 4. Rec**  
MP3 Recording & Stop
- 5. # ♯ b**  
Key control
- 6. Dvd / Vod / Aux / Mp3**  
Input selector
- 7. Mute**  
Audio mute
- 8. Volume Mic & Sound**  
Adjust volume level
- 9. Menu / Up / Dn**  
BBE & Vocal cancel control



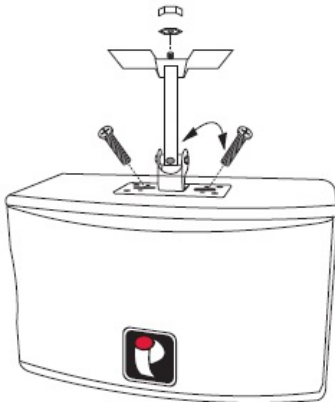


## Karaoke Speaker FS-200

- Type: Two way Karaoke speaker
- Cabinet: Black glass player, MDF
- 2-way full range speaker
- Component: 01 x 10" bass driver + 04 x 3" treble driver
- RMS Power Handling: 150W
- Peak Power Handling: 300W
- Nominal Impedance: 8 Ω
- Frequency response: 48Hz-20kHz
- Sensitivity: 98dB
- Dimensions: 500 x 270 x 300 mm
- Net weight: 10.8 kg
- Accessories: 2 x 10m cable (with banana connectors at two ends)

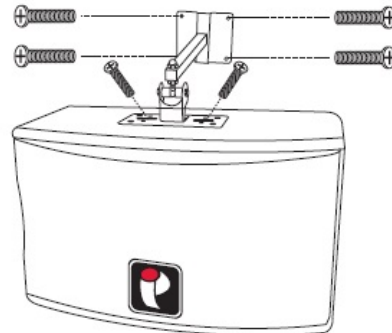
### Mounting the Speaker to the ceiling

Place the ceiling mount bracket on the top of the speaker cabinet and put two screws to fasten it. Then, put one screw to hold the speaker firmly to the ceiling. Adjust the speaker up/down and left/right for rotation at different angles to achieve the maximum sound effect.



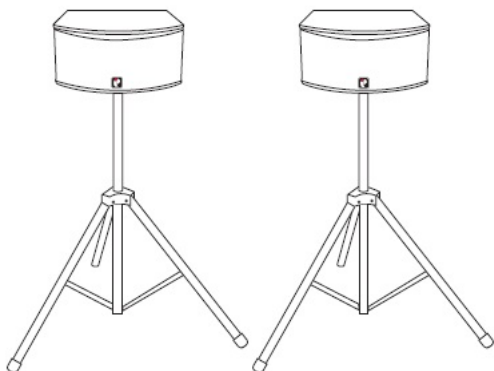
### Mounting the speaker to the Wall

Place the wall mount panel on the top of the speaker cabinet and put two screws to fasten it. Then, put four screws to hold the speaker firmly into the wall. Adjust the speaker up/down and left/right for rotation at different angles to achieve the maximum sound effect.

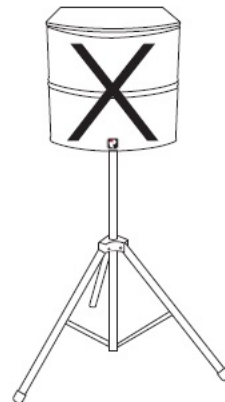


### Mounting the Speaker on to stand (tripod)

The speaker can be mounted on to the optional portable stand, (see figure below). Make sure that the mounting system (hardware, stand, etc) is capable of supporting four times the weight of the speakers.

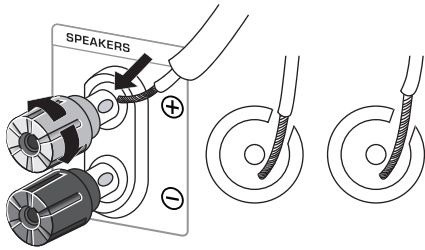


Note: Please do not stack two-pieces of speakers onto the adjustable speaker stand. If you need two more speakers to increase the output volume, we recommend you to use a high power speaker instead of stacking two-pieces. If speaker on the adjustable speaker stand for safety purpose.

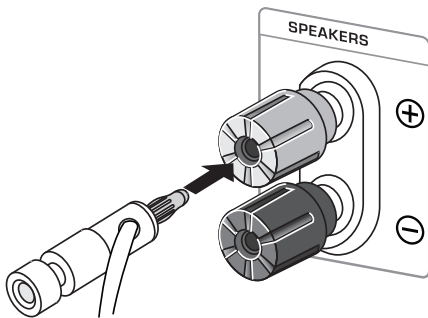


## CONNECTING SPEAKER

### 1. Insert Type



### 2. Single Banana Plug Type

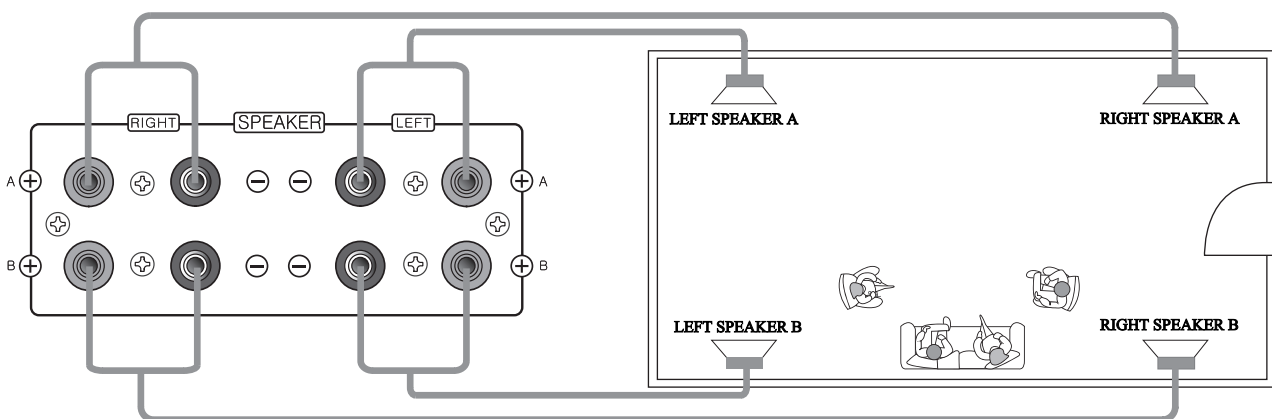


We recommend to use Banana plug to connect speakers to amplifier for better audio signal

Either banana plug or insert type can be used to connect the unit to speakers.

Be sure to connect red(+) to red(+) and black(-) to black(-).

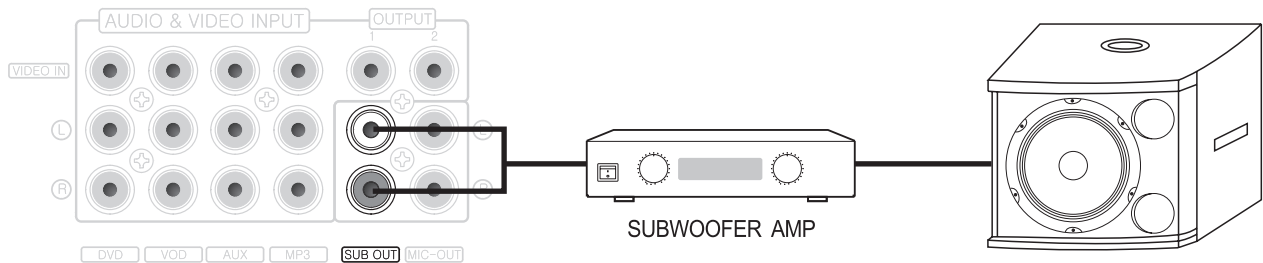
## CONNECTING SPEAKERS TO AMPLIFIER



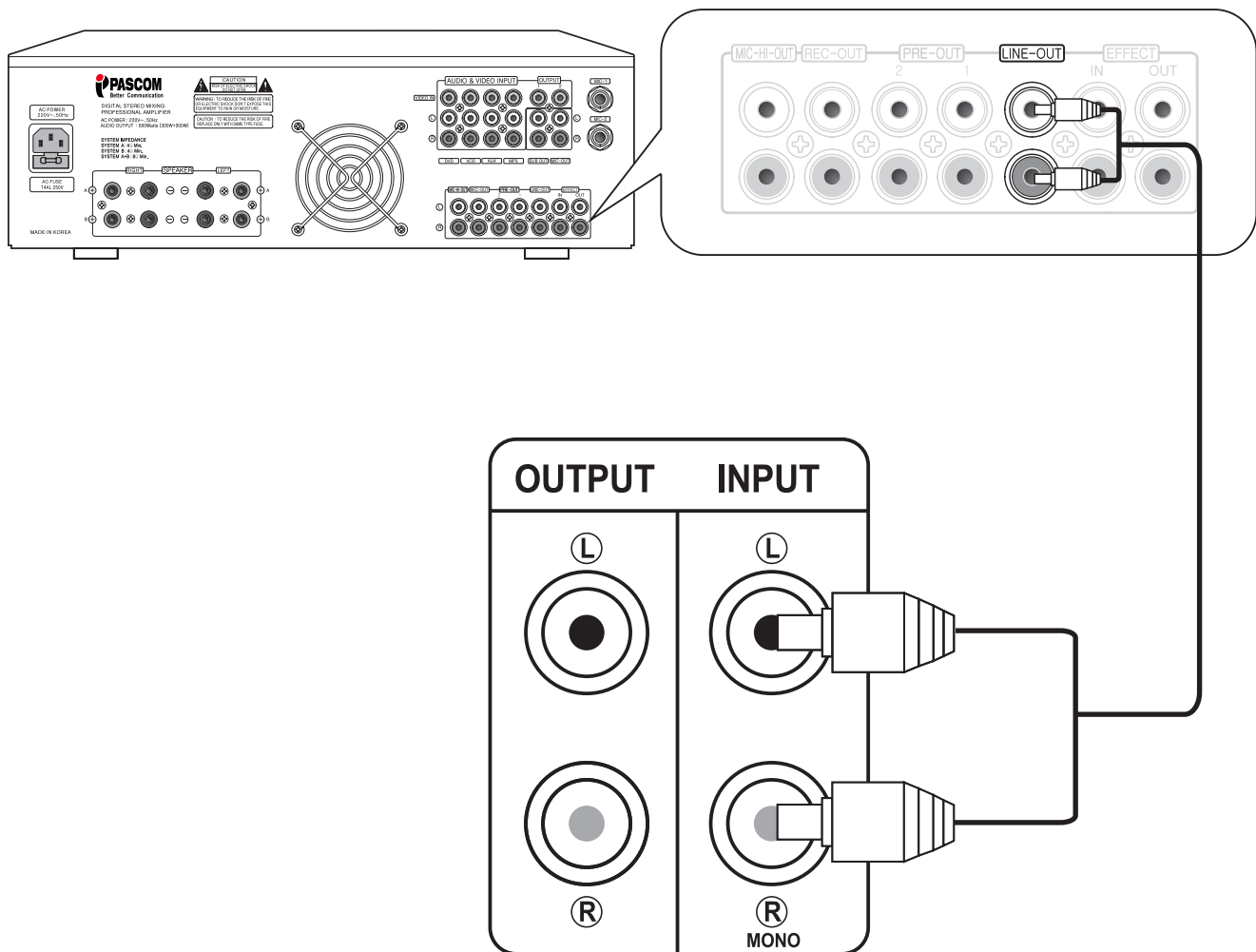
## CONNECTING THE AUDIO INPUT

Before you connect the source (DVD, VCR, AUX, MP3), you should turn off the power for amplifier to prevent the equipment from damage and electric shock.

## CONNECTING THE SUBWOOFER



## AUDIO LINE OUTPUT



**Dynamic Microphone DM-980**

**Specifications**

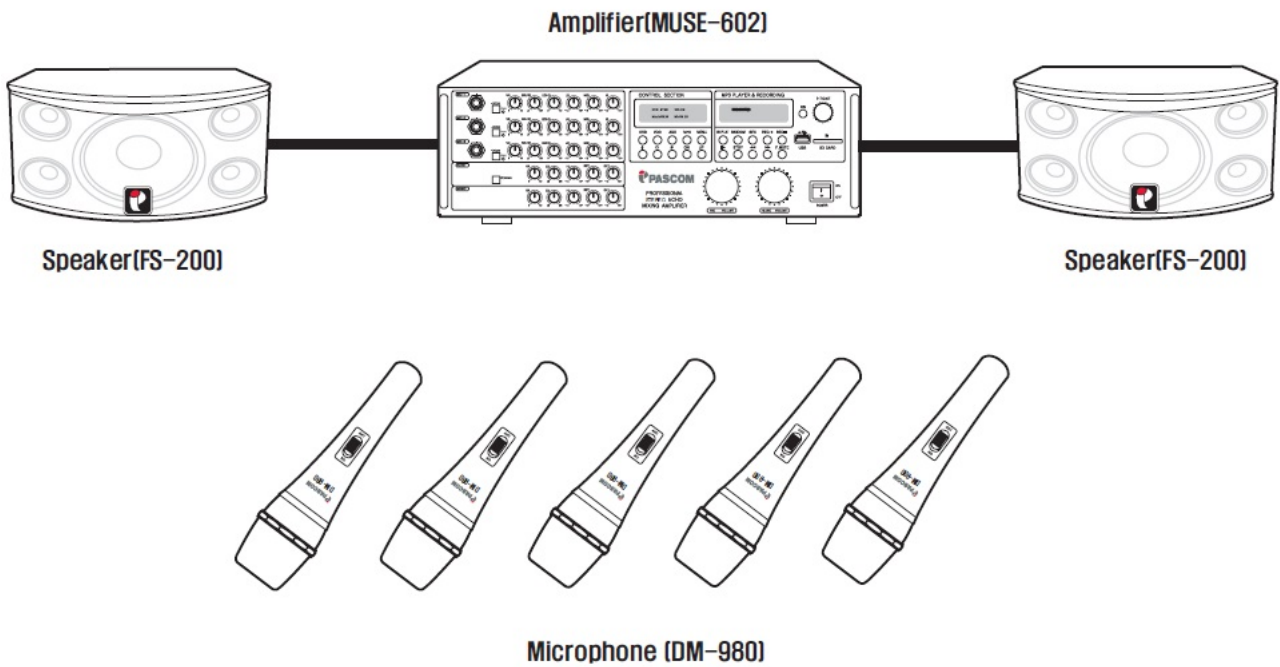
- Element: Moving Coil Dynamic
- Directivity: Uni-directional
- Frequency response: 50Hz-15kHz
- Polar pattern: Cardioids
- Output impedance: 600 Ω
- Sensitivity: -51.7dB, ± 3dB (at 1kHz 0dB=1mV/Pa)
- Pickup distance: 3-5 cm
- Dimension: 182 x Φ 23 - 50 mm
- Net weight: 100 g
- Power supply: None
- Accessories: 2 x 5m cable (with female XLR and Φ 6.5mm connectors at two ends); microphone clamp, bag

**Features**

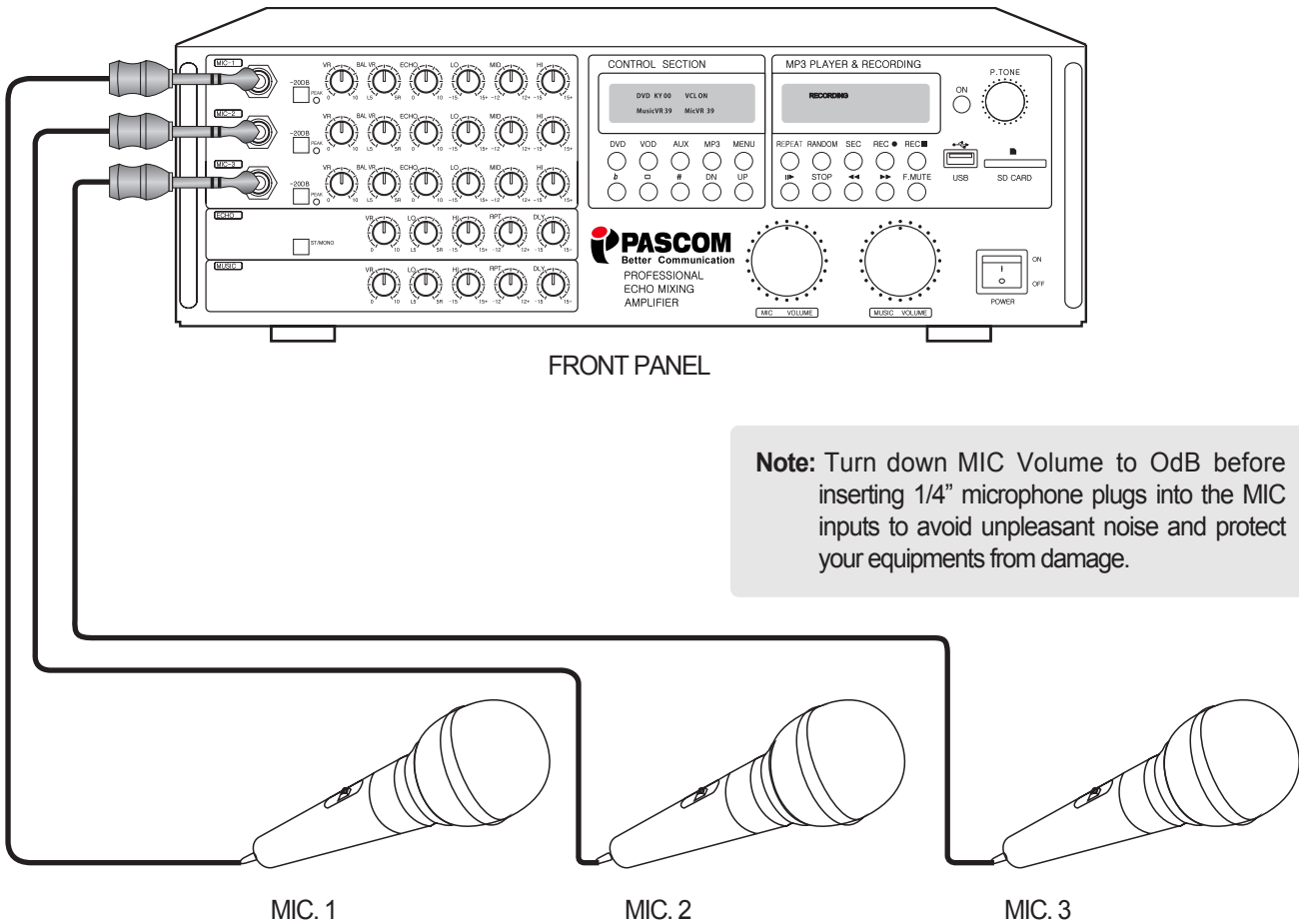
- High fidelity professional microphone
- Uni-directional dynamic microphone
- Excellent reproduction of voice and music
- High resistance cover
- Body material: Metal



**5 microphones DM-980 can connect to MUSE-602 amplifier at the same time**



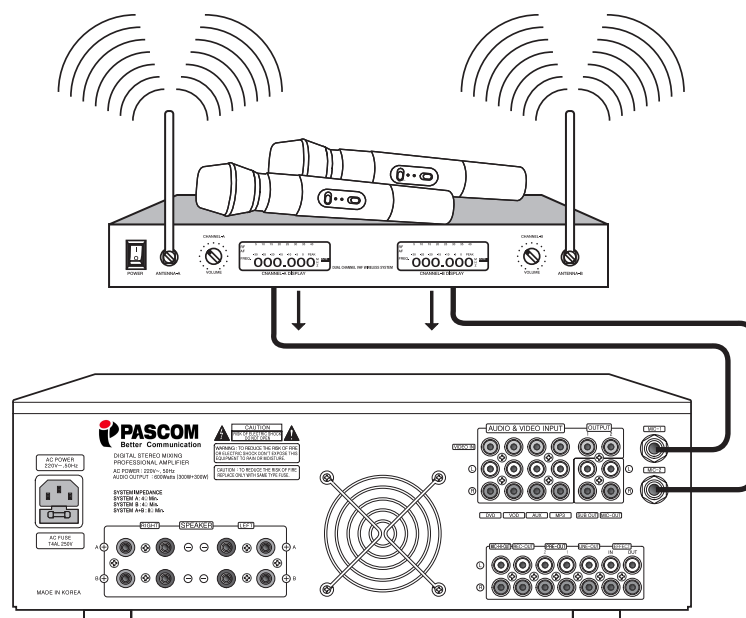
## CONNECTING WIRED MICROPHONE



FRONT PANEL

**Note:** Turn down MIC Volume to 0dB before inserting 1/4" microphone plugs into the MIC inputs to avoid unpleasant noise and protect your equipments from damage.

## CONNECTING WIRELESS MICROPHONE



REAR PANEL

