

KENWOOD

STEREO POWER AMPLIFIER

KM-896

KM-996

INSTRUCTION MANUAL

KENWOOD CORPORATION

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.

Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.

We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

Accessories

Audio cord .....	1(KM-896)
	2(KM-996)



Contents

Read the pages marked /A/ carefully to ensure safe operations.

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B60-2527-00 (P, Y) [A]

95/12 11 10 9 8 7 6 5 4 3 2 1 94/12 11 10 9 8

# Special features

Caution: Read this section carefully to ensure safe operation.

This unit is the amplifier designed exclusively for use with the center speaker and subwoofer of the surround system of the KA-996 or KR-896.

This unit allows to enjoy the surround play more effectively.

- A volume control is provided for the subwoofer so that sound can be played with a good balance.
- The KM-996 can be used as the amplifier for the second (B) sets of speakers of the KA 996 and can be switched over with the surround /B speakers.

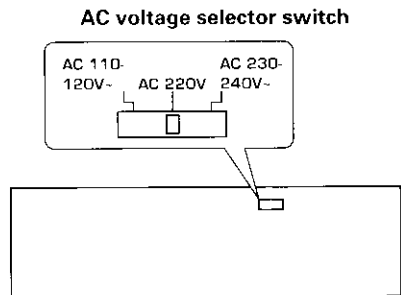
## Before applying power

Units are designed for operations as follows.

- Canada ..... AC 120 V only
- Australia ..... AC 240 V only
- \*Other countries .... AC 110-120/220/230-240 V switchable

### \*AC voltage selection

The AC voltage selector switch on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.



Move switch lever to match your line voltage with a small screwdriver or other pointed tool.

Note:

Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC voltage selector switch.

## Safety precautions

**WARNING:** TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



**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 INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



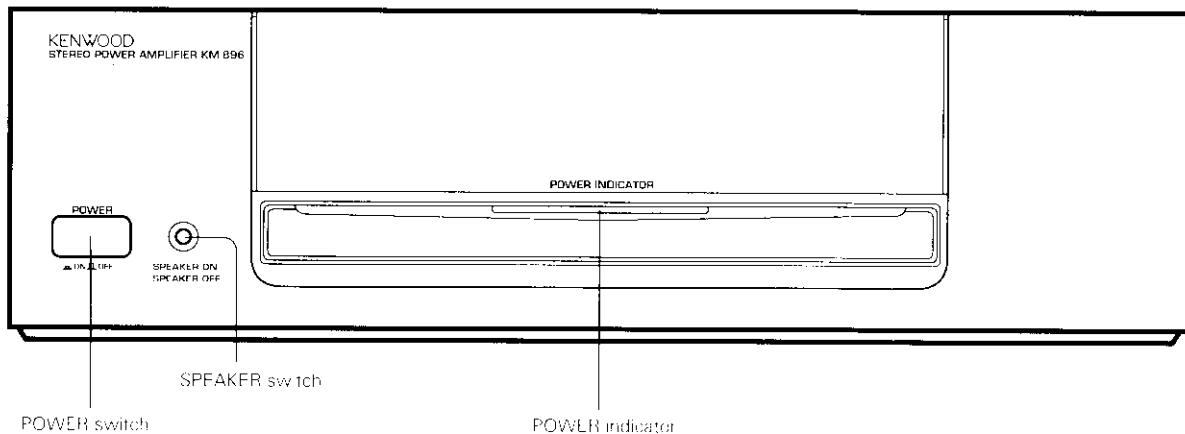
THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



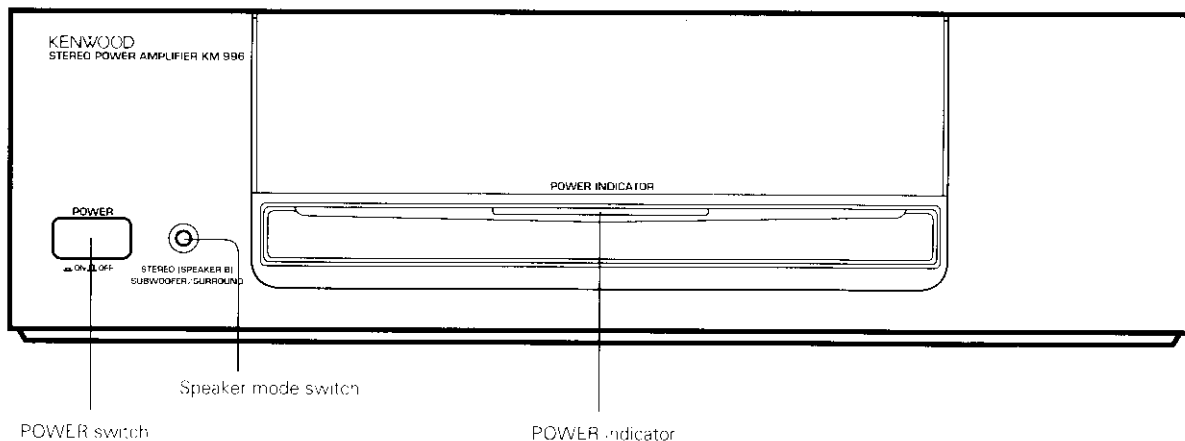
THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

# Controls and indicators

## KM-896



## KM-996



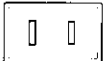
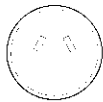
### AC outlet on the rear panel

#### UNSWITCHED AC outlet

The power of the component connected to this kind of AC outlet can be switched ON/OFF regardless of the POWER switch on the main unit.

#### CAUTION :

Do not connect up a power source which is larger than that indicated on the socket at the rear of the unit.

Unit destination	Shape of the AC outlet
For Canada and U.S. Military	
For Australia	

# System connections

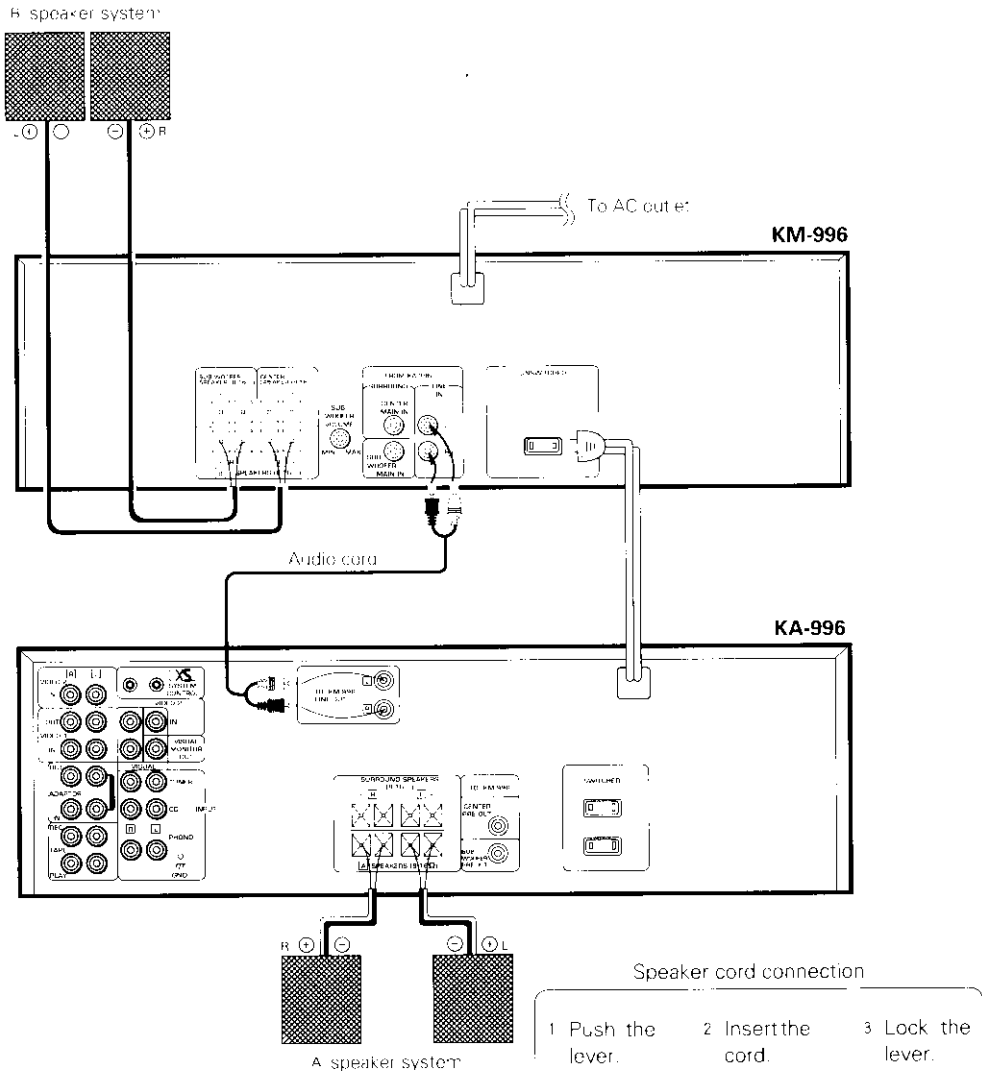
## Connection A

### ■ Using the KM-996 as the amplifier for the second sets of speakers of KA-996

Make connections as shown below. When connecting the related system components, refer also to the instruction manuals of the related components.

Do not plug in the power lead until all connections are completed.

- This connection is not available with the KM-896.



- Set the speaker mode switch on the front panel to "STEREO (SPEAKER B)".
- If the speakers shown in "Connection B" are also connected, either set of speakers can be used by simply switching the speaker mode switch. (KM-996 only)

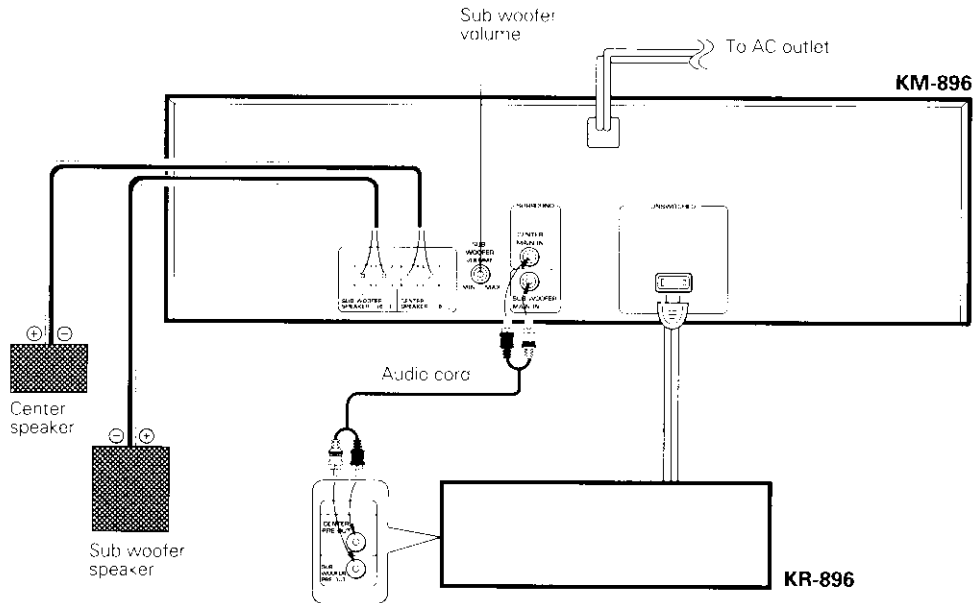
#### Notes:

1. Connect all cords firmly. If connections are loose, there could be loss sound or noise produce.
2. When plugging and unplugging connection cords, be sure to first remove the power cord from the AC outlet. Plugging/unplugging connection cords without removal of the power cord can cause malfunctions or damage to the unit.

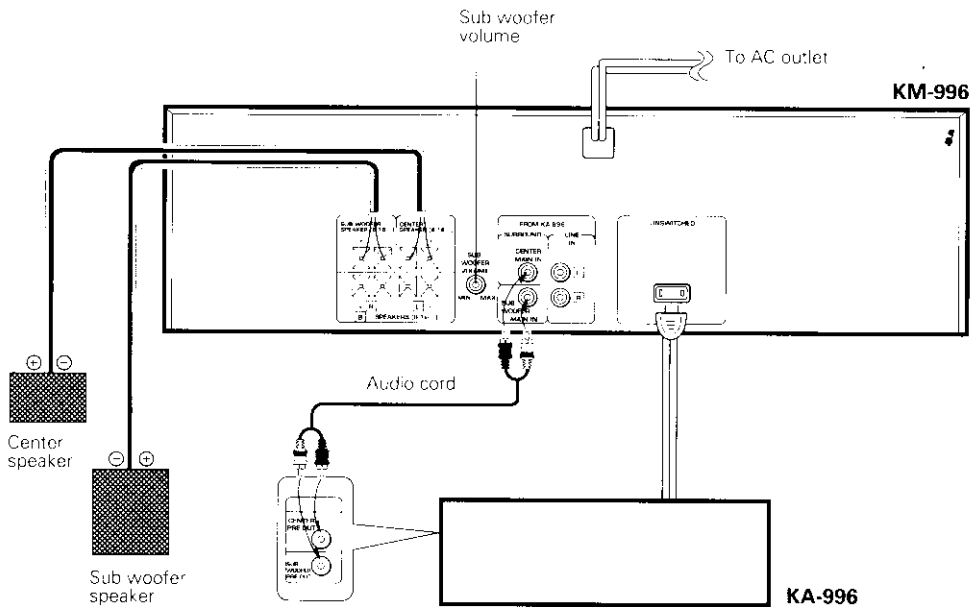
## Connection B

### ■ Using the unit as the subwoofer and center speaker amplifier

#### ● Connection of KM-896



#### ● Connection of KM-996



- Set the speaker mode switch on the front panel to "  SUB WOOFER/SURROUND".

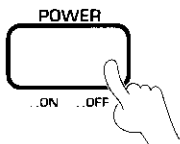
#### Notes:

1. Connect all cords firmly. If connections are loose, there could be loss sound or noise produce.
2. When plugging and unplugging connection cords, be sure to first remove the power cord from the AC outlet. Plugging/unplugging connection cords without removal of the power cord can cause malfunctions or damage to the unit.

# Operating instructions

## ■ Surround play


### 1 Switch the power on.



- The power indicator on the panel lights up.

### 2 Select the speaker mode.

**KM-996 :** Set to "  SUBWOOFER/  
SURROUND".

**KM-896 :** Set to "  SPEAKER ON".

### 3 Play a surround music source.

- Play a source connected to the KA-996 or KR-896.

### 4 Adjust the SUB WOOFER VOLUME control.



- Adjust as desired taking the sound balance, etc., in consideration.

## ■ Sound play through speakers B (KM-996 only)

### 1 Set the speaker mode switch to " SPEAKER B".



### 2 Play music through the KA-996.

## ■ Switching the center and subwoofer speaker sound off (KM-896 only)

Set to "  SPEAKER OFF".



# In case of difficulty


What appears to be a malfunction may not always be serious. If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

Symptom	Cause	Remedy
<b>Power is on but no sound. (indicator is off.)</b>	<ul style="list-style-type: none"> <li>Poor connection at wall outlet. Power outlet inactive.</li> </ul>	<ul style="list-style-type: none"> <li>Check outlet using a lamp or other appliance (outlet may be controlled by a wall switch).</li> </ul>
<b>Sound is not output. (indicator lights.)</b>	<ul style="list-style-type: none"> <li>Protection circuitry operating.</li> <li>The speaker cords are disconnected.</li> <li>The VOLUME is set to minimum position. (KA-996 or KR-896)</li> <li>Speaker switched to other position. (KM-996 only)</li> <li>Speaker cords are short-circuited.</li> <li>Audio cords are short-circuited.</li> <li>The SPEAKER switch is set to OFF. (KM-896 only)</li> </ul>	<ul style="list-style-type: none"> <li>Turn the POWER switch OFF, identify and remove the cause, and turn the POWER switch ON again.</li> <li>Connect them properly referring to "System connections".</li> <li>Adjust the KA-996 or KR-896 amplifier's volume to a proper level.</li> <li>Check speaker switch. (KM-996 only)</li> <li>Turn the power off, eliminate the short circuiting, then turn on the power again.</li> <li>Set to ON. (KM-896 only)</li> </ul>
<b>Sound is not output from one of the speakers.</b>	<ul style="list-style-type: none"> <li>The speaker cord is disconnected.</li> <li>The BALANCE control is set to an extreme position. (KA-996)</li> </ul>	<ul style="list-style-type: none"> <li>Connect it properly referring to "System connections".</li> <li>Adjust the Left/Right balance. (KA-996)</li> </ul>

## Notes:

Do not use contact cleaners because it could cause a malfunction. Be specially wary of contact cleaners containing oil, for they may deform the plastic components.

# Specifications

 **Caution: Read this page carefully to ensure safe operation.**

KM-996 / KM-896

## AUDIO section

### Rated power output

#### STEREO (KM-996 only)

100 watts per channel minimum RMS, both channels driven, at 8 $\Omega$  1 kHz with no more than 0.09% total harmonic distortion

(EIAJ)1kHz, 10% T.H.D. ,at 8 $\Omega$  ..... 140W

#### CENTER

100 watts minimum RMS, at 8 $\Omega$  1 kHz with no more than 0.09% total harmonic distortion

(EIAJ)1kHz, 10% T.H.D. ,at 8 $\Omega$  ..... 140W

#### SUBWOOFER

100 watts minimum RMS, at 8 $\Omega$  45 Hz with no more than 0.09% total harmonic distortion

(EIAJ)45 Hz, 10% T.H.D. ,at 8 $\Omega$  ..... 135W

### Total harmonic distortion

STEREO (KM-996 only) ..... 0.01% (1kHz, 50 W, 8  $\Omega$ )

CENTER ..... 0.01% (1kHz, 50 W, 8  $\Omega$ )

SUBWOOFER ..... 0.01% (45Hz, 50 W, 8  $\Omega$ )

### Frequency response

#### STEREO (MAIN IN)(KM-996 only)

..... 10 Hz ~ 65 kHz, +0 dB, -3 dB

CENTER (MAIN IN) ..... 10 Hz ~ 65 kHz, +0 dB, -3 dB

SUBWOOFER (MAIN IN) ..... 20 Hz ~ 100 Hz, +0 dB, -3 dB

### Signal to noise ratio (IHF'66)

MAIN IN ..... 103 dB

### Input sensitivity/impedance

MAIN IN ..... 150 mV/40 k $\Omega$

## GENERAL

Power consumption ..... 2.3 A

### AC outlet

UNSWITCHED ..... 30 W max.

Dimensions ..... W: 440 mm (17-5/16")

H: 133 mm (5-1/4")

D: 263 mm (10-3/8")

Weight (Net) ..... 6.4 kg (14.1 lb)

### Note:

**KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.**



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