

KENWOOD

KGC-6042

GRAPHIC EQUALIZER
INSTRUCTION MANUAL

EGALISEUR GRAPHIQUE
MODE D'EMPLOI

GRAPHIC EQUALIZER
BEDIENUNGSANLEITUNG

GRAFISCHE TOONREGELING
GEBRUIKSAANWIJZING

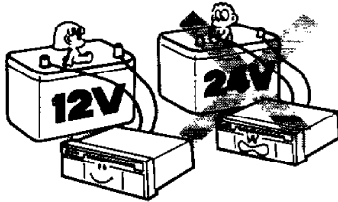
EQUALIZZATORE GRAFICO
ISTRUZIONI PER L'USO

KENWOOD CORPORATION

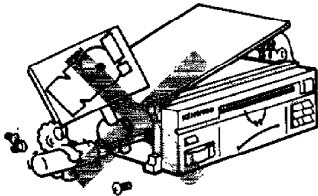
WARNING

TO PREVENT ELECTRIC SHOCK,
FIRE AND OTHER INJURY,
PLEASE NOTE THE FOLLOW-
INGS:

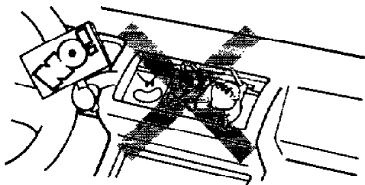
- The unit is designed to be connected 12 V DC and negative grounding.



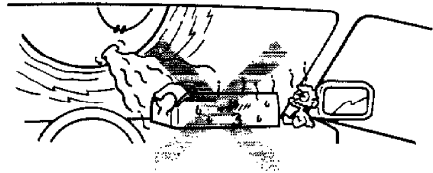
- Do not open enclosure, such as front panel, top or bottom cover.



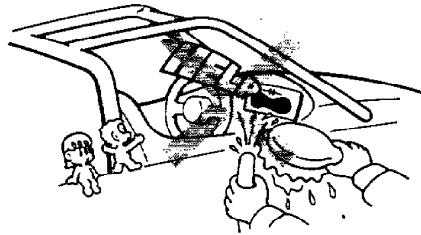
- Do not drop pieces of metal, needles, coins and other electrically conductive materials into the unit.



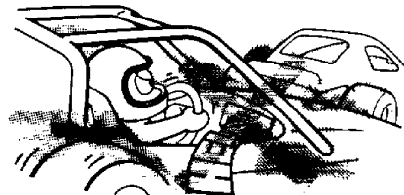
- Do not place the unit, where it will be exposed to direct sunlight or close to heating device.



- Do not dash water on the unit.

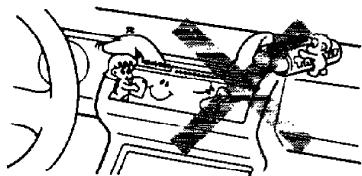


- Do not place the unit in areas of excessive dust, high humidity or on unstable surfaces.

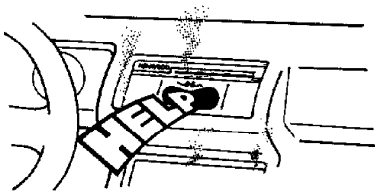


CLEANING

1. Turn the power off, before cleaning the unit.
2. Do not use any type of abrasive pad, thinner, benzine and any such kind of objects.
3. Wipe the front panel and other exterior surfaces of the unit with a soft dry cloth or a soft cloth lightly moistened with a neutral detergent.



- If an abnormal smell or smoke is detected, immediately turn the power off.



- If you have difficulty in installing the set in your car, please contact your KENWOOD dealer.

CONTENTS



	Page
● HOW TO USE THE CHANNEL SWITCH	5
● EQUALIZER CURVE ADJUSTMENT	6
● SUB-WOOFER ADJUSTMENT	8
● FADER ADJUSTMENT	9
● CARE AND MAINTENANCE	10
● ACCESSORY AND INSTALL MANNER	11
● CONNECTION	12
● INSTALLATION	13
● TROUBLESHOOTING GUIDE	14
● SPECIFICATIONS	15

HOW TO USE THE CHANNEL SWITCH

■ FOR 4-CHANNEL SYSTEM

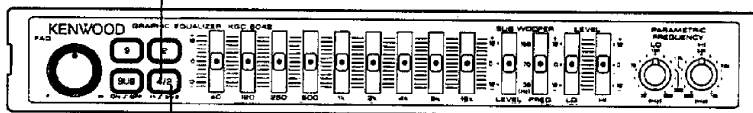
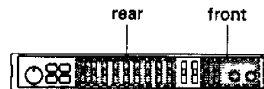
Set the "4/2" switch to "9+2".
 (The sound is output at the front side, as adjusted by 2 band of parametric equalizer, while at the rear side, as adjusted by 9 band of graphic equalizer.)



9+2



11



■ FOR 2-CHANNEL SYSTEM

Set the "4/2" switch to "11".
 (The sound is output both at the front and rear sides, as adjusted by 2 band of parametric equalizer and by 9 band of graphic equalizer.)

CAUTION

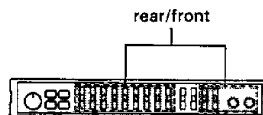
Turning ON the "9" and "2" switches, the equalization range become +8 dB ~ -4 dB.



11



9+2



EQUALIZER CURVE ADJUSTMENT

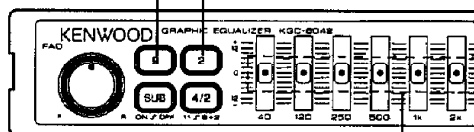
■ TO EFFECT THE 9 BAND EQUALIZER

Press the "9" switch to ON.
(The 9 band equalizer knob indicator is then lit ON to output adjusted by the equalizer.)



■ TO EFFECT THE PARAMETRIC EQUALIZER

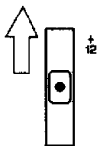
Press the "2" switch to ON.
(The parametric equalizer knob indicator is then lit ON to output sound adjusted by the equalizer.)



■ TO INCREASE THE LEVEL OF THE SELECTED BAND

Move the Graphic equalizer knob of the band you wish to adjust in the upward direction.
(The level of the frequency band corresponding to the moved knob increases.)

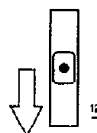
MAX.: +12dB



■ TO DECREASE THE LEVEL OF THE SELECTED BAND

Move the Graphic equalizer knob of the band you wish to adjust in the downward direction.
(The level of the frequency band corresponding to the moved knob decreases.)

MAX.: -12dB



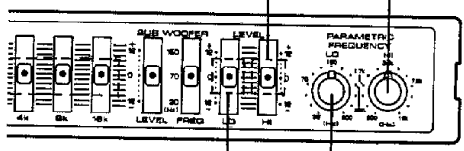
■ HIGH FREQUENCY PARAMETRIC EQUALIZER ADJUSTMENT

1

Set the Parametric frequency knob (HI) to your desired frequency.

2

Adjust the Parametric level knob (HI) so that the frequency characteristic feels likely to be flat for your ears.



■ LOW FREQUENCY PARAMETRIC EQUALIZER ADJUSTMENT

1

Set the Parametric frequency knob (LOW) to your desired frequency.

2

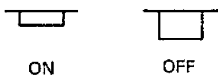
Adjust the Parametric level knob (LOW) so that the frequency characteristic feels likely to be flat for your ears.

SUB-WOOFER ADJUSTMENT

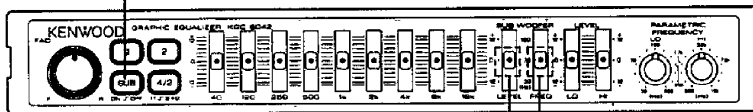
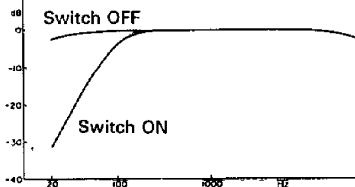
1 2 3

1

Press the Sub-woofer switch to ON. (Both the Level and Frequency knob indicators are then lit ON to output the sub-woofer.)

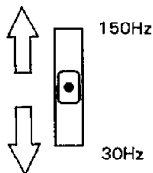


Front/rear output characteristic curve



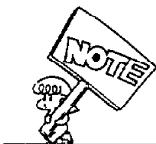
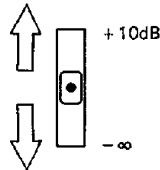
2

Adjust the sub-woofer cut-off frequency with the Frequency knob.



3

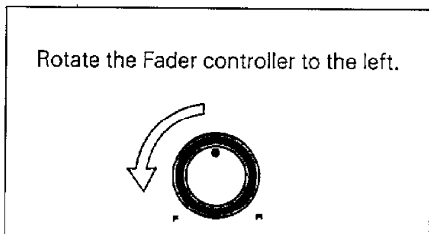
Adjust the level of the sound output from the sub-woofers with the Level knob.



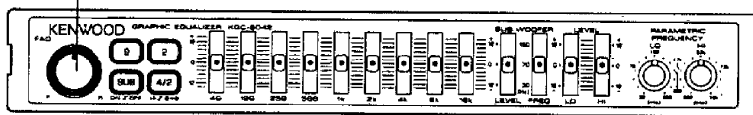
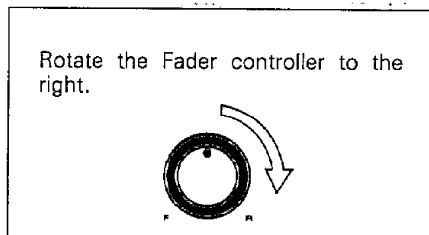
- With the 2-channel system, the normal output both at the front and rear sides is cut at low with about 100 Hz. With the 4-channel system, the normal output at the rear side is cut at low with about 100 Hz, while at the front side, it is not cut at low.

FADER ADJUSTMENT

- When you wish to emphasize the sound from the front speakers



- When you wish to emphasize the sound from the rear speakers



- The sub-woofer output is not affected by the fader.

CARE AND MAINTENANCE



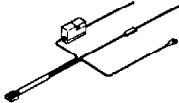

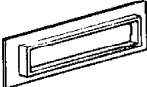




- The power source of this unit is exclusively DC 12 V, negative ground.
- Do not place the graphic equalizer in a place where the graphic equalizer may be exposed to direct sunlight, heat or moisture. Be careful that metal objects and water do not enter the set.
- If you have difficulty in installing the set in your car, please contact your KENWOOD dealer.

Cleaning

Clean with a dry silicone cloth or a soft cloth. The use of thinner, alcohol or other solvents may damage the surface finish.

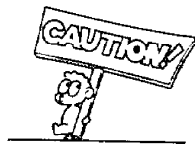
ACCESSORY AND INSTALL MANNER

■ ACCESSORY

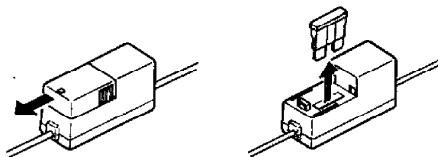
No.	Part name	External View	Number of units	No.	Part name	External View	Number of units
①	Power connection cord		1	⑤	Flat head screw (M4 × 6)		4
②	Panel frame		1	⑥	Washer assembly screw (M4 × 8)		5
③	Side bracket		2	⑦	Tapping screw (φ4 × 16)		4
④	Bracket		2				

■ INSTALL MANNER

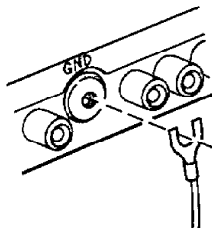
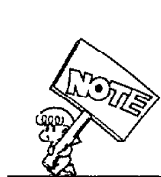
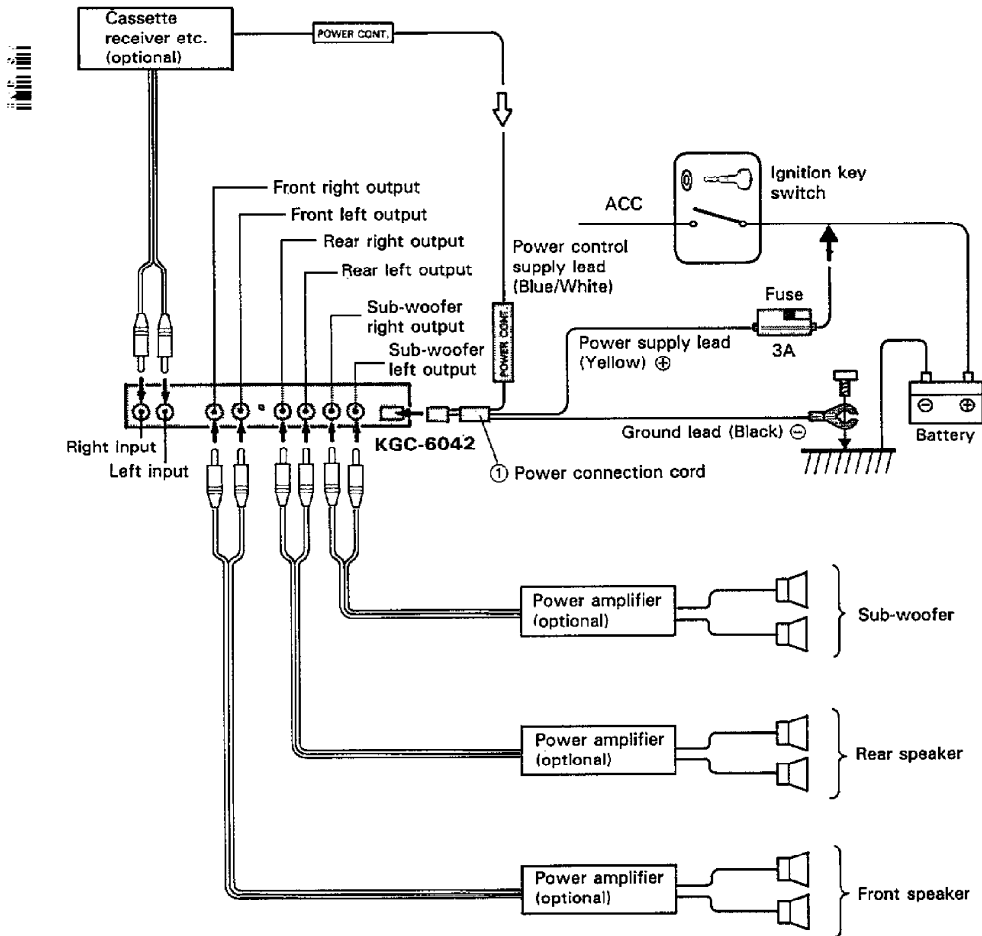
1. Before installation and wiring, remove the (-) terminal of the battery to prevent short-circuiting.
2. Connect the input and output cords of the system.
3. Connect the ground to the metal chassis of the car.
4. Connect the power supply lead (yellow).
5. Install the set and after confirming the installation and wirings are correct, connect the (-) terminal of the battery.



- If a fuse is blown, first check that the associated wires are not short-circuited, then replace the fuse with a new one having the same capacity.



CONNECTION



- If the RCA extension cable (optional) is provided with a GND wire, then, fix it into the threaded hole for GND on the rear of the main unit, with the ⑥ Washer assembly screw.

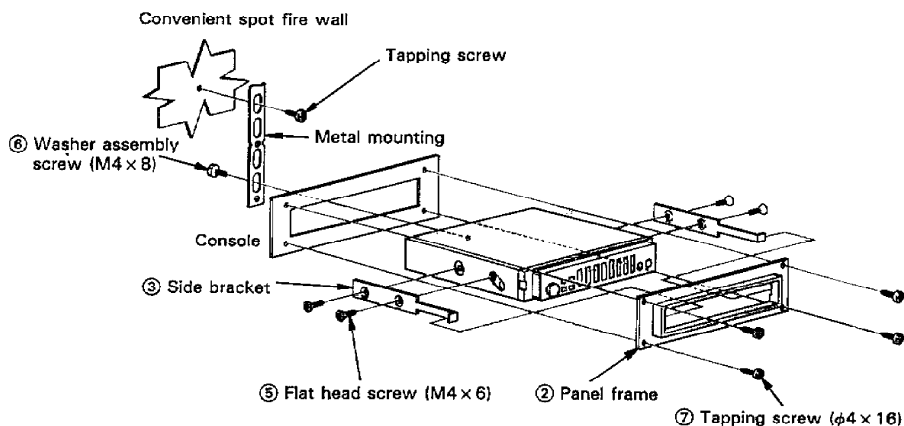
⑥ Washer assembly screw

INSTALLATION

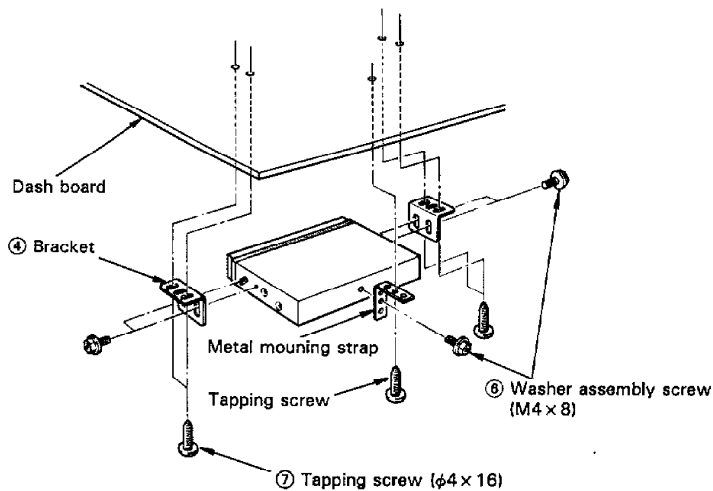
- When installing in the car, choose the best position with regard to overall safety of the system and ease of operation.
- As installation fixtures, use only the accessories supplied.



● Installing the unit in the dash panel:



● Installing the unit below the dash board:



TROUBLESHOOTING GUIDE

What often appears to be a malfunction is often due to user error in operation or connection. When trouble occurs with your unit, please check the following before calling for service.

14-000011

Symptom	Possible cause	Remedy
Power cannot be switched ON.	<ol style="list-style-type: none">1. The backup fuse is blown. The fuse of the connected head unit is blown.2. The equalizer's power connector is not connected to the power supply.	<ol style="list-style-type: none">1. After checking that no cords are short-circuited, replace the blown fuse with a new one of the specified capacity.2. Connect the power connector.
Sound is not heard from the front or rear speakers.	The Fader controller is turned fully to front or rear.	Turn the Fader controller to optimize the front/rear balance.
Sound is not output.	<ol style="list-style-type: none">1. The speaker cord, system power, or pre-out connections are not secure.2. The pre-fader control of the head unit is set to the minimum position.	<ol style="list-style-type: none">1. Connect cords properly according to the instructions in the instruction manual.2. Set the fader of the head unit to the center position and check if sound is output.
Low frequencies are not heard.	The Sub-woofer switch is set to the ON position.	Set the Sub-woofer switch to the OFF position.

SPECIFICATIONS

Specifications subject to change without notice.

Equalizer Section

Equalizer Center Frequency	40 Hz, 120 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8 kHz, 16 kHz
Equalization Range	-12 ~ +12 dB
Sub-woofer Cut-off Frequency	30 ~ 150 Hz (variable)
Sub-woofer Output Gain	-∞ ~ +10 dB
Sub-woofer Cut-off Slope	12 dB/oct
Parametric Equalizer Frequency.....	30 ~ 800 Hz, 800 Hz ~ 16 kHz (variable)
Parametric Equalization Range	-12 ~ +12 dB

Audio Section

Input Impedance	10 k Ω
Output Impedance	600 Ω
Signal to Noise Ratio	100 dB
T.H.D.....	0.01 %
Frequency Response (-3 dB).....	20 Hz ~ 60 kHz
Gain.....	0 dB

General

Operating Voltage.....	14.4 V (11 ~ 16 V)
Current Consumption (MAX)	0.2 A
Dimensions (W x H x D).....	178 x 25 x 150 mm (7 x 1 x 5-7/8 in)
Weight.....	0.8 kg (1.8 lb)

