**Accessories**

1. Speaker wires
2. Speaker wire connector
3. Input and output wire
4. Wiring harness
5. Wiring harness connector
6. Key
7. Battery
8. Reset button
9. Ignition wire
10. Battery wire
11. Ground wire
12. Power source wire

**Installation Procedure**

1. To prevent a short circuit, remove the key from the ignition and disconnect the battery.
2. Make the proper input and output wire connections for each unit.
3. Connect the speaker wires of the wiring harness.
4. Connect the wiring harness wires in the following order: ground, battery, ignition.
5. Connect the wiring harness connector to the unit.
6. Install the unit in your car.
7. Reconnect the battery.
8. Press the reset button.
9. Perform the Initial Setup. (Refer to the Instruction Manual.)

**WARNING**

- If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.
- Do not cut out the fuse from the ignition wire (red) and the battery wire (yellow). The power supply must be connected to the wires via the fuse.

**About the Front Panel**

When removing the product from the box or installing it, the front panel may be positioned at the angle shown in (Fig. 1). This is due to the characteristics of a mechanism the product is equipped with.

If the program that is activated when the product is first powered on works properly, the front panel will automatically move into the position (initial setting angle) shown in (Fig. 2).
After the Installation
After the installation, perform the Initial Setup by referring to the instruction manual.

- Mounting and wiring this product requires skills and experience. For safety’s sake, leave the mounting and wiring work to professionals.
- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
- If the power is not turned ON ("PROTECT" is displayed), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- If your car’s ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, as with battery wires, the battery may die.
- If the fuse blows, first make sure the wires aren’t touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the connector of the left speaker to a front output terminal, do not connect the connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.
- This unit has the cooling fan (page 5) to decrease the internal temperature. Do not mount the unit in a place where the cooling fan of the unit are blocked. Blocking these openings will inhibit the cooling of the internal temperature and result in malfunction.
- Do not press hard on the panel surface when installing the unit to the vehicle. Otherwise, scars, damage, or failure may result.
- Reception may drop if there are metal objects near the Bluetooth antenna.

Bluetooth antenna unit

CAUTION
Install this unit in the console of your vehicle. Do not touch the metal part of this unit during and shortly after the use of the unit. Metal part such as the heat sink and enclosure become hot.
Connection

If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.

Antenna Cord

For the sake of safety, be sure to connect the parking sensor.

Parking sensor wire (Light Green)

Connect to the vehicle's reverse lamp harness when using the optional rear view camera.

To steering remote

To car light control switch

To connect the Kenwood navigation system, consult your navigation manual.

Depending on what antenna you are using, connect either to the control terminal of the motor antenna, or to the power terminal for the booster amplifier of the film-type antenna.

When using the optional power amplifier, connect to its power control terminal.

If no connections are made, do not let the cable come out from the tab.
Bluetooth Microphone (Accessory) (see page 8)

- Cooling fan
- FUSE (15A)
- Accessory

- Reverse sensor wire (Purple/White)
- Steering remote control input (Light Blue/Yellow)
- Dimmer control wire (Orange/White)
- Mute control wire (Brown)
- Motor antenna control wire (Blue)
- Power control wire (Blue/White)

- To front left speaker (White/Black)
- To front right speaker (Gray/Black)
- To rear left speaker (Green/Black)
- To rear right speaker (Purple/Black)
System Connection

- iPod (commercially available)
- USB device (commercially available)
- Audio input (iPod/AV Input 3 switchable)
  - Resistance-free stereo type mini plug (3.5φ)
- Visual input (iPod/AV Input 3 switchable)
  - Resistance-free mini plug (3.5φ)
- To Relay Box
  - Accessory 1 (Blue/Red)
  - Accessory 3 (Green/White)
  - Accessory 4 (Green/Red)
- To Camera control terminal
  - (Blue/Red)
- Rear View Camera Input
  - Visual input (Yellow)
- Audio/Visual Output
  - Visual output (Yellow)
  - Audio left output (White)
  - Audio right output (Red)
- Audio/Visual Input
  - Visual input (Yellow)
  - Audio left input (White)
  - Audio right input (Red)
- Front Preout
  - Audio left output (White)
  - Audio right output (Red)
- Rear Preout
  - Audio left output (White)
  - Audio right output (Red)
- Subwoofer Preout
  - Audio left output (White)
  - Audio right output (Red)
- Center Preout
- iPod USB terminal
- USB terminal
- Audio/Visual Input
  - Visual input (Yellow)
  - Audio left input (White)
  - Audio right input (Red)
- Audio/Visual Output
  - Visual output (Yellow)
  - Audio left output (White)
  - Audio right output (Red)
- iPod (commercially available)
- USB device (commercially available)
Optional Accessory Connection

iPod
(commercially available)

KCA-iP301V
(Optional Accessory)

Visual Output (Yellow)

Audio Output (Black)

USB terminal

USB terminal

USB device
(commercially available)

TV Tuner
(Optional Accessory)

Connection cable
 INCLUDED IN THE TV TUNER

Navigation System
(Optional Accessory)

Connection cable
INCLUDED IN THE NAVIGATION SYSTEM

Navigation units that can be connected to this unit
(As of December, 2009):
• KNA-G630
• KNA-G630CN
For latest information, access the
www.kenwood.com/cs/cie/.
Installing the Microphone Unit

1. Check the installation position of the microphone (accessory ③).
2. Remove oil and other dirt from the installation surface.
3. Install the microphone.
4. Wire the microphone cable up to the unit with it secured at several positions using tape or the like.

Fix a cable with a commercial item of tape.

Peel the released coated paper of double-face adhesive tape to fix on the place shown above.

Adjust the direction of the microphone to the driver.

Install the microphone as far as possible from the cell-phone.
## Installing the Escutcheon

### For General Motors
1. Cut out accessory 6 to meet the shape of the opening of the center console.
2. Attach accessory 6 to the unit.

### For Toyota/Scion
1. Cut out accessory 6 as illustrated.
2. Fold double-sided adhesive (accessory 7) along the slit and attach it to accessory 6 cut-out against the center rib as illustrated. Use 2 pieces of accessory 7 for 1 accessory 6 cut-out.

### For Volkswagen
1. Attach accessory 6 to the unit.

[Diagram of installation process for each car brand]
Installation for Monitor/Player Unit

Installation the Monitor/Player unit

Bend the tabs of the mounting sleeve with a screwdriver or similar utensil and attach it in place.

• Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (e.g., the sound may skip).

Attaching the monitor panel

Hold the monitor panel securely so as not to drop it accidentally. Fit the monitor panel onto the attaching plate until it is firmly locked.

Installation on Toyota, Nissan or Mitsubishi Car using Brackets

Accessory 8 (M5x6mm) or Accessory 9 (M5x7mm)

Car Bracket
Removing Monitor/Player Unit

Removing the Hard Rubber Frame (escutcheon)

1. Engage the catch pins on the removal tool and remove the two locks on the lower level. Lower the frame and pull it forward as shown in the figure.

- The frame can be removed from the top side in the same manner.

2. When the lower level is removed, remove the upper two locations.

Removing the Unit

1. Remove the hard rubber frame by referring to the removal procedure in the section <Removing the Hard Rubber Frame>.
2. Insert the two removal tools deeply into the slots on each side, as shown.

- Be careful to avoid injury from the catch pins on the removal tool.

3. Lower the removal tool toward the bottom, and pull out the unit halfway while pressing towards the inside.

4. Pull the unit all the way out with your hands, being careful not to drop it.