

# KENWOOD

## CX-DAB1

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DAB antenna unit

**INSTALLATION MANUAL**

Antenne DAB

**MANUEL D'INSTALLATION**

Bluetooth-Antennengerät

**INSTALLATION-HANDBUCH**

DAB-antenne

**INSTALLATIEHANDLEIDING**

Unità antenna DAB

**MANUALE PER L'INSTALLAZIONE**

Unidad de antena DAB

**MANUAL DE INSTALACIÓN**

Unidade de antena DAB

**MANUAL DE INSTALAÇÃO**

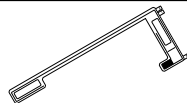
JVC KENWOOD Corporation

## **⚠ CAUTION**

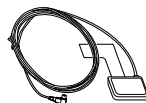
- Disconnect the battery's negative terminal and make all electrical connections before installing the unit.
- Mounting and wiring this product requires skills and experience. For safety's sake, leave this work to professionals. If you experience problems during installation, consult your Kenwood dealer.
- This film antenna is exclusively for use inside the vehicle.
- Do not install at the following locations:
  - Where it may block driver's view
  - Where it may obstruct operation of safety devices such as air bags
  - On movable glass surface such as rear hatch
- Signal strength will decrease at the following locations:
  - On IR reflecting glass or where covered with mirror type glass film
  - Where it overlaps with genuine radio antenna (pattern)
  - Where it overlaps with window heating wires
  - At side of vehicle (e.g. door, front quarter window)
  - On rear window
  - When glass that blocks radio signals (e.g. IR reflecting glass, thermal insulation glass) is used
  - Reception may decrease due to noise when windshield wiper, air conditioner, or motor is turned on.
  - Reception may decrease depending on the direction of the broadcast station with respect to the vehicle (antenna).
- Be sure to check the installation location of film antenna (A) before installing. Film antenna cannot be re-pasted.
- Thoroughly wipe oil and dirt from the pasting surface with the included cleaner (D).
- Do not bend or damage the film antenna (A).
- Warm the pasting surface by turning on the heater for example, before applying.

- It may not be possible to install on some type of vehicle.
- Check the cable routing of the film antenna (A) and amplifier (B) before pasting.

## **Part list**



(A).....DAB antenna film (x1)



(B).....DAB antenna amplifier (x1)



(C).....Cord clammer (x3)



(D).....Cleaner (x1)

## **Specifications**

**Frequency Range:** 170 – 240MHz,  
1452 – 1492MHz

**Impedance:** 50Ω

**Operating voltage:** 9 – 16V

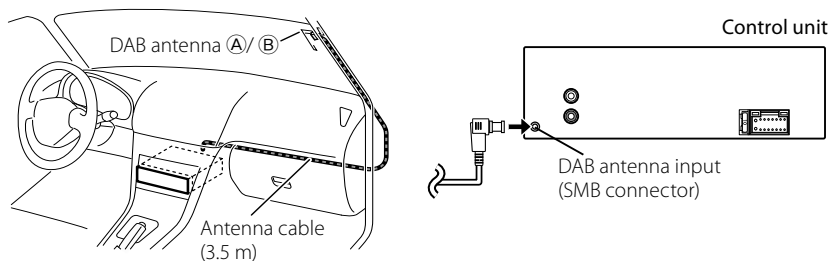
**Current Consumption:** 70mA (Max)

**Connector Type:** SMB

**Cable Length:** 3.5m

- Specifications subject to change without notice.

## Installation overview

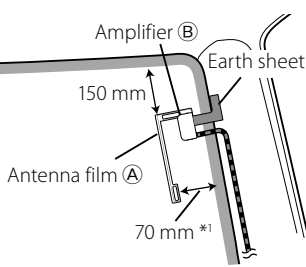
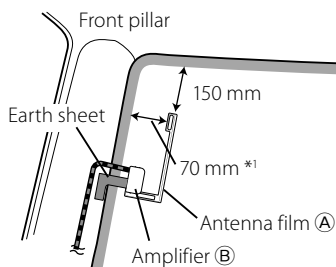


- The antenna should be installed on the passenger side for safety.
- Use cord clasper © to secure the antenna to the pillar at several locations.
- The direction of the antenna film ① changes depending on whether the film antenna ① is installed on the right side or left side.
- Separate the antenna film ① from the ceramic line (black part) at the top of the front glass by 150 mm.  
Also, place it about 70 mm inside the ceramic line at the side end of the front glass. (where the earth sheet of the amplifier can be pasted on the metal part of the front pillar)
- Separate from other antennas by at least 100 mm.
- Do not paste the amplifier ② on the ceramic line (black part) around the front glass. Because there is not enough adhesion.
- Select the DAB antenna power is set to "ON"  
For details, see the your control unit instruction manual.

## Determining the antenna installation location

When installing the antenna on the left side

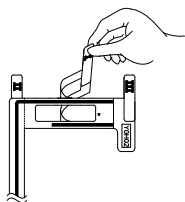
When installing the antenna on the right side



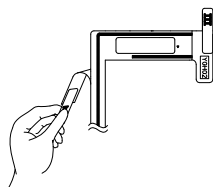
\*1 Where the earth sheet of Amplifier (B) can be pasted on the metal part of the front pillar.

## Antenna Installation

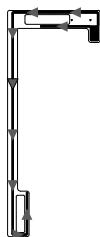
- 1 Check the installation location.
- 2 Wipe the area where antenna film (A), amplifier unit (B), and earth sheet are pasted with the included cleaner (D).  
The coating on the metal surface need not be removed.
  - Wait until the glass surface is completely dry before pasting.
  - If the glass surface is cold, such as during winter, warm it with defroster or dryer.
- 3 Remove the separator (tag I) of antenna film (A) horizontally and paste the antenna on the front glass.



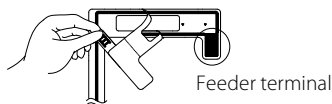
- Remove the separator gently.
  - Do not touch the pasting surface (adhesive side) of the antenna film (A).
- 4 Remove the separator (tag II) of antenna film (A) vertically and paste the antenna gently while applying pressure.



- 5 After pasting, rub the element in the glass surface in the direction of the arrow shown in the figure to bond it.



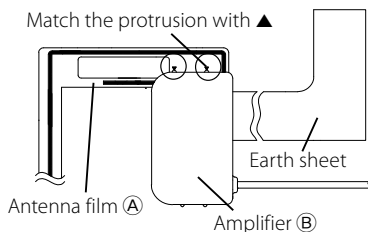
- 6 Remove the application film (tag III).
  - Do not touch the feeder terminal of the element. Also, do not apply any glass cleaner.



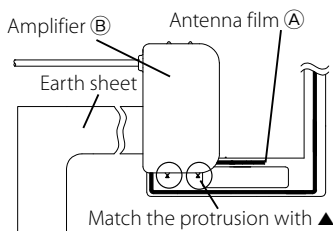
## 7 Match the protrusion of the amplifier (B) with the ▲ on the antenna film (A) and paste.

- Do not touch the feeder terminal or the pasting surface (adhesive side) of the amplifier.

### When installing the antenna on the right side

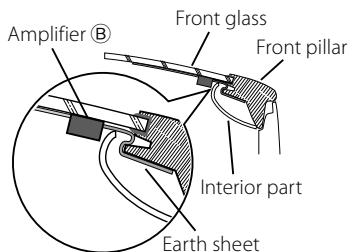


### When installing the antenna on the left side



## 8 Remove the film covering the earth sheet and paste the earth sheet on the metal part of the vehicle.

Provide sufficient leeway for the earth sheet so that it does not interfere with the interior parts (front pillar cover). Also take care that the interior parts do not interfere with the amplifier (B).



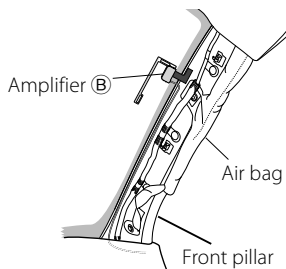
## 9 Wire the antenna cables.

- Use cord clumper (C) to secure the antenna to the pillar at several locations.

### Notes

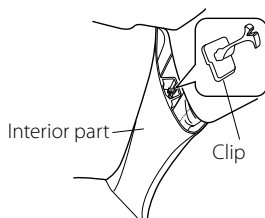
Take the following precautions when passing the antenna cable inside the front pillar where the air bag is installed.

- Install the amplifier part of the antenna cable in front or above the air bag so that the antenna and the air bag do not interfere.



- The front pillar cover is secured with a special clip which may need to be replaced when the front pillar cover is removed.

Contact your vehicle dealer for details on replacing the front pillar cover and availability of replacement parts.



## 10 Select the DAB antenna power is set to "ON"

- You cannot receive DAB or DAB reception is poor when DAB antenna power is set to "OFF".
- For details, see the your control unit instruction manual.