KENWOOD

KTC-SR903

SIRIUS SATELLITE RADIO TUNER

INSTRUCTION MANUAL

KENWOOD CORPORATION

Take the time to read through this instruction manual. Familiarity with installation and operation procedures will help you obtain the best performance from your new sirius satellite radio tuner.

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 KENWOOD dealer for information or service on the product.

Model KTC-SR903 Serial number _____

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SIRIUS

English

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What is Sirius Satellite Radio?

Sirius is radio the way it was meant to be: up to 100 new channels of digital quality programming delivered to listeners coast to coast via satellite. That means 60 channels of completely commercial-free music. Plus up to 40 more channels of news, sports, and entertainment from names like CNBC, Discovery, SCI-FI Channel, A&E, House of Blues, NPR, Speedvision and Comedy World.

Sirius is live, dynamic entertainment, completely focused on listeners. Every minute of every day of every week will be different. All 60 commercial-free music channels are created in-house and hosted by DJs who know and love the music. Do you like Reggae? How about Classic Rock or New Rock? Sirius has an array of choices spanning a vast range of musical tastes including the hits of the 50's, 60's, 70's, & 80's as well as Jazz, Country, Blues, Pop, Rap, R&B, Bluegrass, Alternative, Classical, Heavy Metal, Dance and many others…

From its state-of-the-art, digital broadcasting facility in Rockefeller Center, New York City, Sirius will deliver the broadest, deepest mix of radio entertainment from coast to coast.

Sirius will bring you music and entertainment programming that is simply not available on traditional radio in any market across the country. It's radio like you've never heard before.
So Get Sirius and Listen Up! For more information, visit <www.sirius.com>.

❉ Displays shown in this manual are for descriptive purposes only, and may differ from actual displays.

NOTE

When initially activating your subscription, if you have changed your subscription, or if SIRIUS itself has updated streaming broadcast service, automatic reselection of reception operates by following the current channel setting.

At this time, audio reception may be momentarily interrupted. However, this interruption is not caused by radio interference or reception interference.

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

Safety precautions

⚠WARNING

To prevent injury and/or fire, take the following precautions:

- Insert the unit all the way until it is fully locked in place. Otherwise it may fly out of place during collisions and other jolts.
- To prevent short circuits, never put or leave any metallic objects (e.g., coins or metal tools) inside the unit.
- If the unit starts to emit smoke or strange smells, turn off the power immediately and consult your Kenwood dealer.
- Be careful not to drop the unit or subject it to strong shock.

⚠CAUTION

To prevent damage to the machine, take the following precautions:

- Do not open the top or bottom covers of the unit.
- 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.
- During installation, do not use any screws except for the ones provided. The use of improper screws might result in damage to the main unit.
- When drilling a hole in the car to fix the brackets, make sure not to damage the fuel tank, brake tube, wiring harnesses, etc. on the other side.

NOTE

- If you experience problems during installation, consult your Kenwood dealer.
- If the unit does not seem to be working right, try pressing the reset button on the control unit first. If that does not solve the problem, consult your Kenwood dealer.
- When the reset button is pressed, the Sirius satellite radio becomes ready to receive after approximately 15 seconds.

Cleaning the Unit

If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth. If the faceplate is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe neutral detergent off.

⚠ Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erases characters.

IMPORTANT INFORMATION

About CD players/disc changers connected to this unit:

KENWOOD disc changers/ CD players released in 1998 or later can be connected to this unit.

Note that any KENWOOD disc changers/ CD players released in 1997 or earlier and disc changers made by other makers cannot be connected to this unit.

Unsupported connection may result in damage.

Setting the "O-N" Switch to the "N" position for the applicable KENWOOD disc changers/ CD players.

Which is your control unit?

Follow the <INSTRUCTION MANUAL> or the <INSTRUCTION MANUAL For The SIRIUS Tuner Control> of the control unit if the operations of Sirius satellite radio tuner are explained in it.

If not explained in the <INSTRUCTION MANUAL> of the control unit, the operations vary among Models A to D of the control unit.

See the <About Sirius Satellite Radio Tuner> section of the instruction manual and determine the model name of the control unit.

If this section is omitted in the manual, follow the instructions given below.

A models:

The control units (having Sirius tuner control functions) released in 2004 and later,
KDC-X959, KDC-X679, KDC-X659,
KDC-X579, KDC-X569, KDC-X559,
KDC-X469,
KDC-MPV7019, KDC-MPV622,
KDC-MPV619, KDC-MPV6022,
KDC-MPV525, KDC-MPV5025,
KDC-MP819, KDC-MP625, KDC-MP6025,
KDC-MP522, KDC-MP425, KDC-MP225,
KDC-MP222,
KDC-719, KDC-422, KDC-4022, KDC-325,
KDC-322, KDC-3025, KDC-3022,
KDC-225MR, KDC-225, KDC-2025

☞Go to <Operations from Model-A Control Unit> (page 6).

B models:

KDC-X917, KDC-X817, KDC-X717,
KDC-X459,
KDC-V7017,
KDC-9017, KDC-716S, KDC-5019, KDC-519,
KDC-4019, KDC-419, KDC-319,
KRC-535, KRC-435

☞Go to <Operations from Model-B or C Control Unit> (page 9).

C models:

Z828, Z727, Z910DVD

☞Go to <Operations from Model-B or C Control Unit> (page 9).

D models:

KDC-X859, KDC-X759, KDC-MP919

☞Go to <Operations from Model-D Control Unit> (page 12).

Operations from Model-A Control Unit

When you have the model-A control unit categorized by the <Which is your control unit?> (page 5), follow the operation instructions given below.

Sirius ID [ESN] display

You must have the Sirius ID number [ESN] for licensing with Sirius Corp. Check the Sirius ID [ESN] of this unit as follows.

1 Select the Sirius Satellite Radio Mode
Press the [SRC] button.
Select the "SIRIUS" display.

2 Check the Sirius ID [ESN] of this unit
See the <Menu System> page of the instruction manual of your control unit, and select the ESN menu item.
The Sirius ID [ESN] will be displayed.

Serial & Sirius ID [ESN]
It is especially important to retain the unit serial number and the electronic Sirius Identification number for service activation and potential future service changes.

Select Sirius Satellite Radio Mode

Listening to the satellite radio.

Press the [SRC] button.
Select the "SIRIUS" display.

- You need to subscribe to SIRIUS to receive the service by Sirius Satellite Radio. Consult SIRIUS if "CALL 888-539 SIRIUS TO SUBSCRIBE"/"CALL 888 539-SIRI" appears.
- It may take a little time to start receiving after you selected the SIRIUS source.
- If the signal receiving fails, "Acquiring Signal"/"ACQUIRING SIGNAL" appears.

Selecting the Preset Band

Press the [FM] button.
Each time the button is pressed the preset band switches between the SR1, SR2, SR3 and SR4.

Tuning

Selecting the channel.

Press the [I◄◄] or [►►I] button.

Channel Preset Memory

Putting the channel in the memory.

1 Select the preset band
Press the [FM] button.

2 Select the channel to put in the memory
Press the [I◄◄] or [►►I] button.

3 Put the channel in the memory
Press the [1] — [6] button for at least 2 seconds.
The preset number display blinks 1 time.
On each band, 1 channel can be put in the memory on each [1] — [6] button.

- Only the channel number is stored. Category information is not stored.
- This function can be used only when the "Channel"/"CHANNEL" has been selected in <Switching Seek Mode> (page 7).

Preset Tuning

Calling up the channels in the memory.

1 Select the preset band
Press the [FM] button.

2 Call up the channel
Press the [1] — [6] button.

Channel Scan

Every receivable Channel is checked for 10 seconds.

1 Start Channel Scan
Press the [AUTO] button for at least 2 seconds.
The channel scan will start.

2 Release it when the channel you want to listen to is received
Press the [AUTO] button for at least 2 seconds.

Switching Seek Mode

Sets the seeking mode.

Press the [AUTO] button.
Each time the button is pressed the Seek mode switches as shown below.

Display	Operation
"Channel"/"CHANNEL"	Normal manual seeking control.
"Preset"/"PRESET"	Search in order of the channels in the Preset memory.

This function cannot be used in the category and channel search mode.

Category and Channel Search

Select the category and channel you wish to listen to.

<KDC-MP225, KDC-225MR, KDC-225, KDC-2025, KDC-MP222>

1 Enter category and channel search mode
Press the [FM] button for at least 1 second.

2 Select the category
Press the [FM] or [AM] button.

3 Select the channel
Press the [I◄◄] or [►►I] button.

Canceling category and channel search mode
Press the [FM] button for at least 1 second.

Entering and canceling the category and channel search mode with remote
Press the [►II] button on the remote.

<Others>

1 Enter category and channel search mode
Press the [►II] button.

2 Select the category
Press the [FM] or [AM] button.

3 Select the channel
Press the [I◄◄] or [►►I] button.

Canceling category and channel search mode
Press the [►II] button.

You cannot operate this unit until all the Category information is acquired.

Operations from Model-A Control Unit

Switching Display

When you are listening to the Sirius satellite radio, you can switch over the display information as follows.

For operations, see the <Switching Display> page of the instruction manual of your control unit.

What is displayed may partly depend on control units to be connected.

<The control units released in 2004 and later, KDC-X579, KDC-MPV525, KDC-MPV5025, KDC-MP425, KDC-MP225, KDC-225MR, KDC-225, KDC-2025, KDC-X569, KDC-X469, KDC-MP522, KDC-MPV622, KDC-MPV6022, KDC-4022, KDC-422, KDC-MP222>

Information
Channel Name
Song Title
Artist Name
Composer name
Category Name
Band & Channel Number

If the text, including Channel name, etc. is selected when the channel which does not have text, including Channel name, etc. is played, band & channel number is displayed.

<KDC-X679, KDC-MP6025, KDC-MP625>

Information (Upper Part Display)
Channel Name
Song Title
Artist Name
Composer name
Category Name
Label Name
Comment
Band & Channel Number

Information (Lower Part Display)
Channel Name
Song Title
Artist Name
Composer name
Category Name
Label Name
Comment

You cannot apply the same setting to Upper Part and Lower Part.

<KDC-X959, KDC-X659, KDC-MP819, KDC-719, KDC-X559>

Information (Upper Part Display)
Band & Channel Number (KDC-X659/MP819/719/X559 only)
Channel Name
Song Title
Artist Name
Category Name
Label (KDC-X959 only)
Comment (KDC-X959 only)

Information (Lower Part Display)
Artist Name
Song Title
Channel Name
Comment (KDC-X959 only)
Label (KDC-X959 only)

You cannot apply the same setting to Upper Part and Lower Part.

<KDC-3025, KDC-325, KDC-3022, KDC-322, KDC-MPV619, KDC-MPV7019>

Information
Band & Channel Number (KDC-MPV619/MPV7019 only)
Channel Name
Song Title
Artist Name
Category Name
Band & Channel Number (KDC-3025/325/3022/322 only)

If the text, including Channel name, etc. is selected when the channel which does not have text, including Channel name, etc. is played, band & channel number is displayed.

Direct Access Tuning (Function of remote)

Entering the channel and tuning.

1 Enter Direct Access Tuning mode
Press the [DIRECT] button on the remote.

2 Enter the channel
Press the number buttons.

3 Do Channel Search
Press the [I◄◄] or [►►I] button.

Canceling Direct Access Tuning

Press the [DIRECT] button on the remote.

- If you make no button operation for 10 seconds, the Direct Access Tuning mode is automatically canceled.
- You can set up to Channel number 223.
- You cannot search for a channel number which is not broadcasting.
- If you cannot receive any signal in the input Channel due to a bad condition on radio wave or another problem, "Acquiring Signal"/ "ACQUIRING SIGNAL" appears.

Operations from Model-B or C Control Unit

When you have the model-B or C control unit categorized by the <Which is your control unit?> (page 5), follow the operation instructions given below.

Sirius ID [ESN] display

You must have the Sirius ID number [ESN] for licensing with Sirius Corp. Check the Sirius ID [ESN] of this unit as follows.

<B models>

1 Select the Sirius Satellite Radio Mode
Press the [SRC] button.
Select the "SIRIUS" display.

2 Check the Sirius ID [ESN] of this unit
Press the [DISP] button repeatedly until ESN mode is displayed.

<C models>

1 Select the Sirius Satellite Radio Mode
Press the [SRC] button.
Select the "SIRIUS" display.

2 Change the switching display mode to "Display Type A" or "Display Type B".
For display mode selection, see the <Switching Display Mode> section of the instruction manual.

3 Press the [S.A] button to enter the display control mode.

4 Check the Sirius ID [ESN] of this unit
Press the [I◄◄] or [►►I] button to select the "ESN" display.

5 Press the [S.A] button.

Serial & Sirius ID [ESN]
It is especially important to retain the unit serial number and the electronic Sirius Identification number for service activation and potential future service changes.

Operations from Model-B or C Control Unit

Select Sirius Satellite Radio Mode

Listening to the satellite radio.

Press the [SRC] button.
Select the "SIRIUS" display.

- You need to subscribe to SIRIUS to receive the service by Sirius Satellite Radio. Consult SIRIUS if "CALL 888-539 SIRIUS TO SUBSCRIBE"/ "CALL 888 539-SIRI" appears.
- It may take a little time to start receiving after you selected the SIRIUS source.
- When you are using the control unit having the Sirius/Dab setting in the menu system, select "SIRIUS"/"SIRI" in this menu.

Selecting the Preset Band

Press the [FM] button.
Each time the button is pressed the preset band switches between the SR1/Si1,SR2/Si2 and SR3/Si3.

Tuning

Selecting the channel.

Press the [I◄◄] or [►►I] button.

Category Select

The Category that includes the channel received switches to the next.

Press the [AM] button.

- If there is no receivable Channel in Category, the Category switches to the next.
- You cannot operate this unit until all the Category information is acquired.
- Select category to switch to the first channel that contains that category.

Channel Preset Memory

Putting the channel in the memory.

1 Select the preset band
Press the [FM] button.

2 Select the channel to put in the memory
Press the [I◄◄] or [►►I] button.

3 Put the channel in the memory
Press the [1] — [6] button for at least 2 seconds.
The preset number display blinks 1 time.
On each band, 1 channel can be put in the memory on each [1] — [6] button.

Only the channel number is stored. Category information is not stored.

Preset Tuning

Calling up the channels in the memory.

1 Select the preset band
Press the [FM] button.

2 Call up the channel
Press the [1] — [6] button.

Switching Seek Mode

Sets the seeking mode.

See the <Menu System> page of the Instruction Manual of your control unit, and select the seek mode menu item. The seek mode is switched each time the [I◄◄] or [►►I] button is pressed.

Display	Operation
"AUTO1"	Search in order of the channels in the Preset memory.
"MANUAL"	Normal manual seeking control.

Switching Display

When you are listening to the Sirius satellite radio, you can switch over the display information as follows.

For operations, see the <Switching Display> page of the instruction manual of your control unit.

What is displayed may partly depend on control units to be connected.

<C models, KDC-X917, KDC-X817, KDC-9017, KDC-X717>

Information (Upper Part Display)
Channel Number & Channel Name
Song Title & Artist Name
Category Name
ESN
Channel Number

Information (Lower Part Display)
Channel Number & Channel Name
Song Title & Artist Name

You cannot apply the same setting to Upper Part and Lower Part.

<KDC-V7017, KDC-716S, KRC-535, KRC-435, KDC-519, KDC-X459, KDC-419, KDC-5019, KDC-4019, KDC-319>

Information
Channel Number & Channel Name / Channel Name
Song Title & Artist Name
Category Name
ESN
Channel Number

Operations from Model-D Control Unit

When you have the model-D control unit categorized by the <Which is your control unit?> (page 5), follow the operation instructions given below.

Sirius ID [ESN] display

You must have the Sirius ID number [ESN] for licensing with Sirius Corp. Check the Sirius ID [ESN] of this unit as follows.

1 Select the Sirius Satellite Radio Mode
Press the [SRC] button.
Select the "SIRIUS" display.

2 Check the Sirius ID [ESN] of this unit
See the <Menu System> page of the instruction manual of your control unit, and select the ESN menu item.
The Sirius ID [ESN] will be displayed.

Serial & Sirius ID [ESN]
It is especially important to retain the unit serial number and the electronic Sirius Identification number for service activation and potential future service changes.

Select Sirius Satellite Radio Mode

Listening to the satellite radio.

Press the [SRC] button.
Select the "SIRIUS" display.

- You need to subscribe to SIRIUS to receive the service by Sirius Satellite Radio. Consult SIRIUS if "CALL 888-539 SIRIUS TO SUBSCRIBE" appears.
- It may take a little time to start receiving after you selected the SIRIUS source.
- If the signal receiving fails, "Acquiring Signal" appears.

Selecting the Preset Band

Press the [FM] button.
Each time the button is pressed the preset band switches between the SR1, SR2, SR3 and SR4.

Tuning

Selecting the channel.

Press the [I◄◄] or [►►I] button.

Preset Tuning

Calling up the channels in the memory.

1 Select the preset band
Press the [FM] button.

2 Call up the channel
Press the [1] — [4] button.
The channels are called up as shown below.

Press button	Call up number
[1/5]	No.1 ⬌ No.5
[2/6]	No.2 ⬌ No.6
[3]	No.3
[4]	No.4

Each time the button is pressed, the called up channel switches cyclically.

Channel Preset Memory

Putting the channel in the memory.

1 Select the preset band
Press the [FM] button.

2 Enter Memory mode
Press the [P.M] button for at least 1 second.
"Preset Memory" is displayed.

3 Select the channel to put in the memory
Press the [I◄◄] or [►►I] button.

4 Select the preset number
Press the [FM] or [AM] button.

5 Put the channel in the memory
Press the [P.M] button for at least 2 seconds.
The preset number display blinks 1 time.

6 Repeating steps 3 to 5 and putting the desired channel in the memory.
On each band, 1 channel can be put in the memory on each [1] — [6].

7 Exit Memory mode
Press the [P.M] button.

- Only the channel number is stored. Category information is not stored.
- You can set up to 6 memories even on a control unit with 8 preset buttons.

Channel Scan

Every receivable Channel is checked for 10 seconds.

1 Select a scan item from the menu item list.

2 Start Channel Scan
Press the [I◄◄] or [►►I] button for at least 1 second.
The channel scan will start.

3 Release it when the channel you want to listen to is received
Press the [I◄◄] or [►►I] button for at least 1 second, or press the [MENU] button to release the menu mode.

Switching Seek Mode

Sets the seeking mode.

Press the [AUTO] button.
Each time the button is pressed the Seek mode switches as shown below.

Display	Operation
"Channel"	Normal manual seeking control.
"Preset"	Search in order of the channels in the Preset memory.

This function cannot be used in the category and channel search mode.

Operations from Model-D Control Unit

Category and Channel Search

Select the category and channel you wish to listen to.

1 Enter category and channel search mode
Press the [2/6] button for at least 1 second.

2 Select the category
Press the [FM] or [AM] button.

3 Select the channel
Press the [I◄◄] or [►►I] button.

Canceling category and channel search mode
Press the [2/6] button.

- You cannot operate this unit until all the Category information is acquired.
- Entering and canceling the category and channel search mode with remote
  Press the [►II] button on the remote.

Switching Display

When you are listening to the Sirius satellite radio, you can switch over the display information as follows.

For operations, see the <Switching Display> page of the instruction manual of your control unit.

What is displayed may partly depend on control units to be connected.

Information (Upper Part Display)

Band & Channel Number
Channel Name
Song Title
Artist Name
Category Name

Information (Lower Part Display)

Artist Name
Song Title
Channel Name

You cannot apply the same setting to Upper Part and Lower Part.

Direct Access Tuning (Function of remote)

Entering the channel and tuning.

1 Enter Direct Access Tuning mode
Press the [DIRECT] button on the remote.

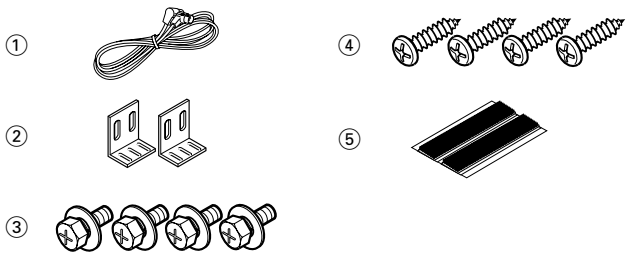
2 Enter the channel
Press the number buttons.

3 Do Channel Search
Press the [I◄◄] or [►►I] button.

Canceling Direct Access Tuning
Press the [DIRECT] button on the remote.

- If you make no button operation for 10 seconds, the Direct Access Tuning mode is automatically canceled.
- You can set up to Channel number 223.
- You cannot search for a channel number which is not broadcasting.
- If you cannot receive any signal in the input Channel due to a bad condition on radio wave or another problem, "Acquiring Signal" appears.

Accessories



▲CAUTION

The use of any accessories except for those provided might result in damage to the unit. Make sure only to use the accessories shipped with the unit, as shown above.

Installation Procedure

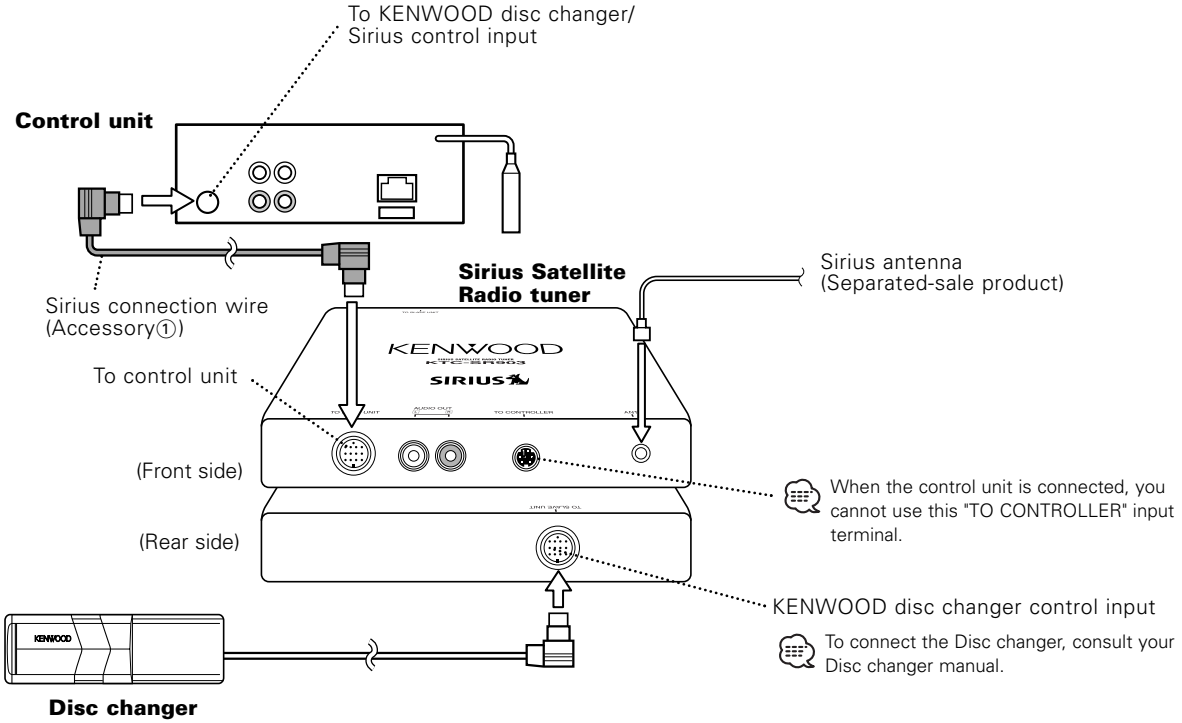
1. To prevent short circuits, remove the key from the ignition and disconnect the ⊖ terminal of the battery.
2. Install the Sirius antenna and connect the antenna wire to the Sirius satellite radio tuner.
3. Connect the Sirius satellite radio tuner and the control unit using the provided Sirius connection wire.
4. Make the proper input and output wire connections for each unit.
5. Install the unit in your car.
6. Reconnect the ⊖ terminal of the battery.
7. Press the reset button on the control unit.

▲CAUTION

- Do not connect the Sirius control wire while the control unit is turned ON.
- Be sure to press the reset button on the control unit after installation.
- If your car is not prepared for this special connection-system, consult your Kenwood dealer.
- Make sure that all wire connections are securely made by inserting jacks until they lock completely.
- Do not let unconnected wires or terminals touch metal on the car or anything else conducting electricity. To prevent short circuits, also do not remove the caps on the ends of the unconnected wires or the terminals.
- Insulate unconnected wires with vinyl tape or other similar material.
- Take care so that the antenna wire and other connection wires are not caught by mobile parts. Otherwise wire disconnection or other trouble may result.
- Do not apply too much force on the antenna wire, other connection wires and connectors by bending a wire, etc. Otherwise wire disconnection or other trouble may result.
- After the unit is installed, check whether the brake lamps, indicators, wipers, etc. on the car are working properly.

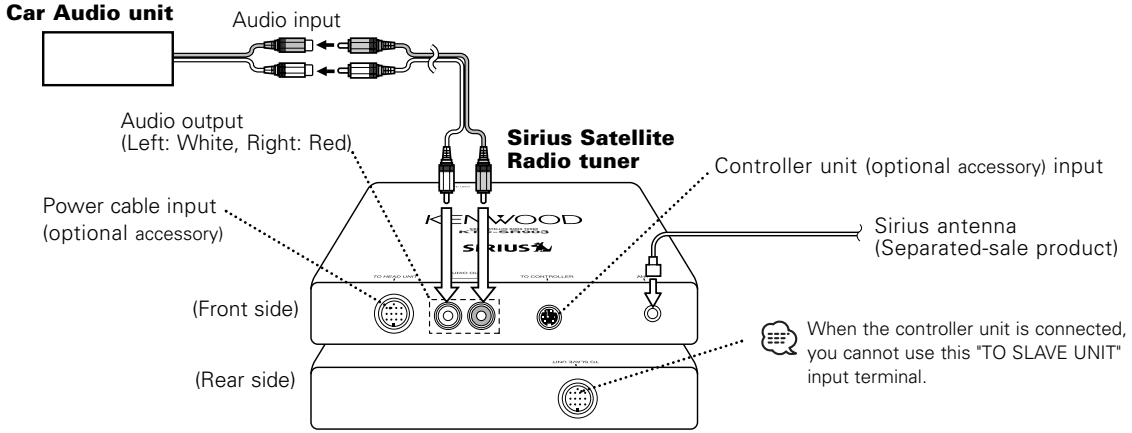
Connecting Wires to Terminals

■ ***If you want to connect the Control unit***

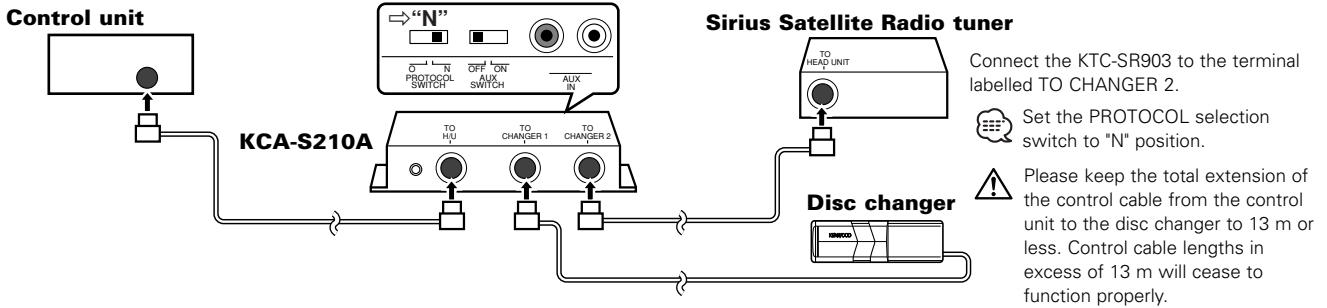


When you use Controller unit (optional accessory), refer to <If you want to connect the Controller> of the next page and connect Controller unit.

■ ***If you want to connect the Controller***



■ ***If you want to connect KCA-S210A***

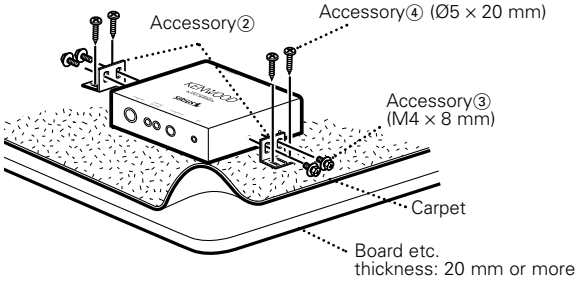


Mounting the Sirius Satellite radio tuner Unit

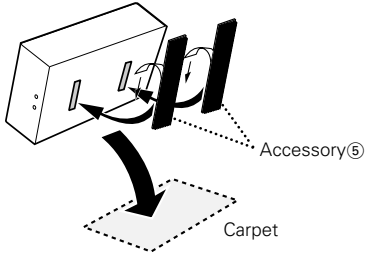
▲CAUTION

- Install the Sirius satellite radio tuner unit in a well-ventilated location and do not place objects on top of it.
- When installing to the car, the unit should be securely fastened at a location that will not interfere with driving.
- When making a hole in the chassis, check that the gas tank, break pipe, wire harness, or other part is not located on the other side, and be careful not to cause scratches.
- When attaching the mounting fittings (Accessory②) to the Sirius satellite radio tuner unit, use only the supplied mounting screws (Accessory③) (M4 x 8 mm). Use of screws other than those supplied may result in internal damage or insecure mounting and is very dangerous.

■ *Installation using the self-tapping screws*



■ *Installation using the velcro tapes*



▲CAUTION

Please do not install the unit near the dashboard, the rear tray, or other important components. Doing so could lead to injury or accident should the unit come off due to a shock and strike a person or an important component. Tapping screws should be used for mounting. (Attachment with velcro strips, although easy, can come off with a shock.)

If you use this for the first time, it may be difficult to receive signals in the beginning. In such a case, leave the SIRIUS source ON for 3 minutes and turn it OFF and ON.

What might appear to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

? The Sirius mode cannot be selected.

✔ The Sirius connection wire is not connected.
☞ Use the Sirius connection wire to connect the control unit and the Sirius satellite radio tuner.

✔ The PROTOCOL selection switch of the changer switching unit "KCA-S210A" is not set properly.
☞ Set the PROTOCOL selection switch to "N" position.

✔ The changer switching unit "KCA-S210A" is not connected properly.
☞ Connect the KTC-SR903 to the terminal labelled TO CHANGER 2. See the section on <Connecting Wires to Terminals>.

? Nothing happens when the buttons are pressed.

✔ The computer chip in the unit is not functioning normally.
☞ Press the reset button on the Control/Controller unit .

? No sound can be heard, or the volume is low.

✔ The input/output wires or wiring harness are connected incorrectly.
☞ Reconnect the input/output wires and/or the wiring harness correctly. See the section on <Connecting Wires to Terminals>.

? No broadcast can be received.

✔ The Sirius antenna is not connected.
☞ Connect it properly by referring to <Connecting Wires to Terminals>.

✔ No subscription is established.
☞ Subscribe to SIRIUS.

The following messages are displayed when certain problems are occurring in your system. Take the recommended actions.

ANTENNA ERROR / ANT ERR / ANT ERROR:
Antenna is not connected correctly.
➪ Make sure the antenna is connected correctly and then turn OFF/ON of the SIRIUS source or Control unit.

TUNER ERROR / TUNE ERR :
Broadcast cannot be received due to an error in this unit.
➪ Turn OFF/ON of the SIRIUS source or Control unit, or press the reset button of Control unit.

ESN ERROR / ESN ERR :
ESN (Electronic Serial Number) is not registered in this unit.
➪ Consult your nearest service center.

Specifications

Specifications subject to change without notice.

Sirius tuner section

Frequency range (Overall) .....2320 MHz – 2332.5 MHz
Frequency range (TDM Channel#1(fc)) .....2322.293 MHz
Frequency range (COFDM Channel(fc)) .....2326.25 MHz
Frequency range (TDM Channel#2(fc)) .....2330.207 MHz
Usable sensitivity (TDM Channel) ..... - 83 dBm – - 55 dBm
Usable sensitivity (COFDM Channel)..... - 80 dBm – + 4 dBm

General

Audio Sampling.....48kHz
Operating voltage .....14.4 V (11 – 16 V allowable)
Current consumption.....500 mA
Operating Environment .....-20 °C – +70 °C
Installation size (W × H × D) .....188.0 × 29.0 × 145.0 mm
7-3/8 × 1-1/8 × 5-11/16 in.
Weight: .....1.543 lbs (700 g)