JVC

CD RECEIVER   **KD-G396/KD-G395/KD-G245**

เครื่องเล่น CD   **KD-G396/KD-G395/KD-G245**

Detachable

KD-G396/
KD-G395

KD-G396/KD-G395
WMA   MP3

COMPACT
disc
DIGITAL AUDIO
TEXT
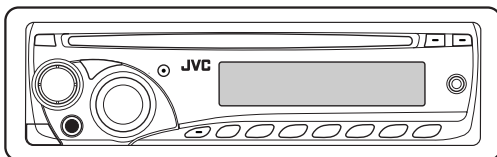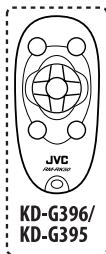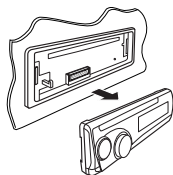
For canceling the display demonstration, see page 6.
ดูที่หน้า 6 เพื่อยกเลิกการสาธิตภาพประกอบ

For installation and connections, refer to the separate manual.
กรุณาดูคู่มือที่แยกต่างหาก ในการติดตั้งและการเชื่อมต่อ

INSTRUCTIONS
คำแนะนำ

GET0486-001A
[U/UH]

Thank you for purchasing a JVC product.
Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視及び/または不可視のクラス1Mレーザー放射が出ます。光学装置で直接見ないでください。(JPN)	VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG)

[European Union only]

How to reset your unit
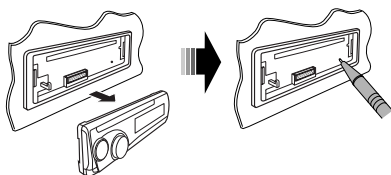

• *Your preset adjustments will also be erased.*

How to forcibly eject a disc

ATT
⏻/I   +
[Hold]   ⏏
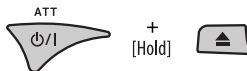
• *Be careful not to drop the disc when it ejects.*
• *If this does not work, reset your unit.*

The control panel illustrations used for explanation in this manual is of KD-G395/KD-G245.

How to use the M MODE button

If you press M MODE, the unit goes into functions mode, then the number buttons and ▲/▼ buttons will work as different function buttons.

Ex.: When number button 2 works as
MO (monaural) button.

To use these buttons for their original functions again after pressing M MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared, or press M MODE again.

Detaching the control panel
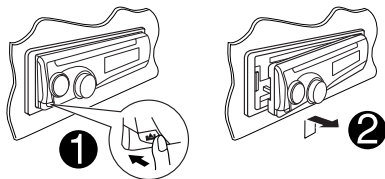
Attaching the control panel

CONTENTS

For safety...

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

Temperature inside the car...

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.
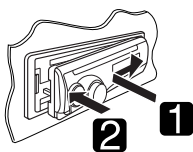
Control panel — KD-G396/KD-G395/KD-G245

Parts identification

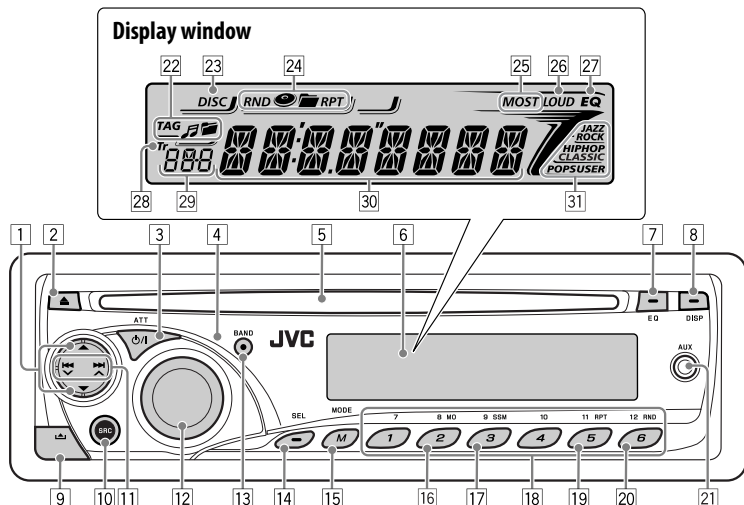### Display window

1 ▲ (up) / ▼ (down) buttons
2 ⏏ (eject) button
3 ⏻/I ATT (standby/on attenuator) button
4 KD-G396/KD-G395: Remote sensor
   DO NOT expose the remote sensor to strong light (direct sunlight or artificial lighting).
5 Loading slot
6 Display window
7 EQ (equalizer) button
8 DISP (display) button
9 ⏏ (control panel release) button
10 SRC (source) button
11 ⏮ ∨ / ⏭ ∧ buttons
12 Control dial
13 BAND button
14 SEL (select) button
15 M MODE button
16 MO (monaural) button
17 SSM (Strong-station Sequential Memory) button
18 Number buttons
19 RPT (repeat) button

20 RND (random) button
21 AUX (auxiliary) input jack
22 KD-G396/KD-G395: Disc information indicators—
   TAG (Tag information), 🎵 (track/file), 📁 (folder)
23 DISC indicator
24 Playback mode / item indicators—RND (random),
   ● (disc), KD-G396/KD-G395: 📁 (folder),
   RPT (repeat)
25 Tuner reception indicators—MO (monaural),
   ST (stereo)
26 LOUD (loudness) indicator
27 EQ (equalizer) indicator
28 Tr (track) indicator
29 Source display / Track number / Folder number /
   Volume level indicator / Time countdown indicator
30 Main display
31 Sound mode (iEQ: intelligent equalizer)
   indicators—JAZZ, ROCK, HIP HOP, CLASSIC, POPS,
   USER

Remote controller — *RM-RK50*

RM-RK50 is supplied only for KD-G396/KD-G395.

■ Installing the lithium coin battery (CR2025)
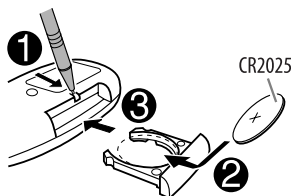

CR2025

Aim the remote controller directly at the remote sensor on the unit. Make sure there is no obstacle in between.

Warning:

- Do not install any battery other than CR2025 or its equivalent; otherwise, it may explode.
- Do not leave the remote controller in a place (such as the dashboard) exposed to direct sunlight for a long time; otherwise, it may explode.
- Store the battery in a place where children cannot reach to avoid the risk of accidents.
- To prevent the battery from over-heating, cracking, or starting a fire:
  – Do not recharge, short, disassemble, heat the battery, or dispose of it in a fire.
  – Do not leave the battery with other metallic materials.
  – Do not poke the battery with tweezers or similar tools.
  – Wrap the battery with tape and insulate when throwing away or saving it.

Main elements and features
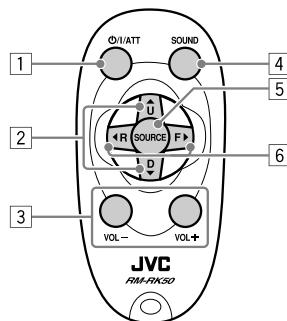
1. ⏻/I/ATT (standby/on/attenuator) button
   - Turns the power on if pressed briefly or attenuates the sound when the power is on.
   - Turns the power off if pressed and held.
2. ▲ U (up) / D (down) ▼ buttons
   - Changes the FM/AM bands with ▲ U.
   - Changes the preset stations with D ▼.
   - Changes the folder of the MP3/WMA discs.
3. VOL – / VOL + buttons
   - Adjusts the volume level.
4. SOUND button
   - Selects the sound mode (iEQ: intelligent equalizer).
5. SOURCE button
   - Selects the source.
6. ◄ R (reverse) / F (forward) ► buttons
   - Searches for stations if pressed briefly.
   - Fast-forwards or reverses the track if pressed and held.
   - Changes the track if pressed briefly.

Getting started

Basic operations

❶ **Turn on the power.**

ATT
⏻/I

❷ SRC → FM1/FM2/FM3/AM
AUX IN ← CD*
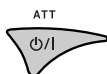
* *You cannot select "CD" as the playback source if there is no disc in the unit.*

❸ **For FM/AM tuner**

BAND
→ FM1 → FM2 → FM3
AM ←

❹ **Adjust the volume.**

+
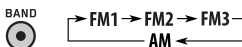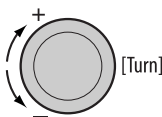
[Turn]

VOL 20

Volume level appears.

❺ **Adjust the sound as you want. (See page 10.)**

To drop the volume in a moment (ATT) To restore the sound, press the button again.	ATT ⏻/I
To turn off the power	ATT ⏻/I [Hold]

Basic settings

• See also "General settings — PSM" on pages 11 and 12.

1 SEL [Hold]

2

◄◄ ►►| ⌃ ⌄ ➡ [Turn]
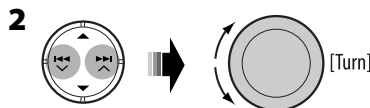
1 **Canceling the display demonstrations**
Select "DEMO," then "DEMO OFF."

2 **Setting the clock**
Select "CLOCK H" (hour), then adjust the hour.
Select "CLOCK M" (minute), then adjust the minute.

3 **Finish the procedure.**

SEL

To check the current clock time while the power is turned off

DISP

Clock time is shown on the display for about 5 seconds. See also page 12.

Radio operations

① (SRC) → FM1/FM2/FM3/AM →
          AUX IN ← CD ←

② BAND   → FM1 → FM2 → FM3 →
   (●)   AM ←
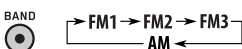
Lights up when receiving an FM stereo
broadcast with sufficient signal strength.

88.3 (ST)

❸ **Start searching for a station.**

When a station is received,
searching stops.
To stop searching, press the
same button again.

To tune in to a station manually

In step ❸ above...

1 [Hold] *M*
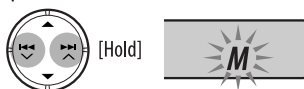
2 **Select a desired station frequency.**

When an FM stereo broadcast is hard to receive

MODE ▶ 8 MO
(M)   (2)

Lights up when monaural mode is activated.

(MO)
MONO

Reception improves, but the stereo effect will be lost.

To restore the stereo effect, repeat the same
procedure. "MONO OFF" appears and the MO indicator
goes off.

Storing stations in memory

You can preset six stations for each band.

■ FM station automatic presetting—SSM (Strong-station Sequential Memory)

1 Select the FM band (FM1 – FM3) you want to store into.

BAND   → FM1 → FM2 → FM3 →
(●)   AM ←

2 MODE
       (M)

3 9 SSM
       (3) [Hold]   *SSM*
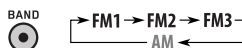
"SSM" flashes, then disappears when automatic
presetting is over.

Local FM stations with the strongest signals are
searched and stored automatically in the FM band.

■ Manual presetting

Ex.: Storing the FM station of 92.5 MHz into preset
number 4 of the FM1 band.

1 BAND   → FM1 → FM2 → FM3 →
       (●)   AM ←

2   *FM 1   92.5*

3 10
       (4) [Hold]   (P4) *92.5*
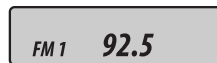
Preset number flashes for a while.

Listening to a preset station

1 BAND
⦿ → FM1 → FM2 → FM3 ⌐
⌐—— AM ←————

2 Select the preset station (1 – 6) you want.

7   8 MO   9 SSM   10   11 RPT   12 RND
(1) (2) (3) (4) (5) (6)

or

To check the other information while listening to an FM or AM station

DISP | Clock ⟷ Frequency |

Disc operations

Playing a disc in the unit ▬▬

❶ **Turn on the power.**

ATT
⏻/I

❷
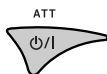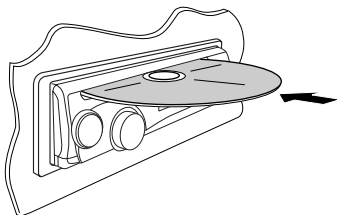
All tracks will be played repeatedly until you change the source or eject the disc.

To stop play and eject the disc

⏏   • Press SRC to listen to another playback source.

To fast-forward or reverse the track

[Hold]

To go to the next or previous track
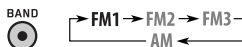
To go to the next or previous folder (for MP3/WMA discs in KD-G396/KD-G395)

To locate a particular track (for CD) or folder (for MP3/WMA discs in KD-G396/KD-G395) directly

To select a number from 01 – 06:

7   8 MO   9 SSM   10   11 RPT   12 RND
(1) (2) (3) (4) (5) (6)

To select a number from 07 – 12:

7   8 MO   9 SSM   10   11 RPT   12 RND
(1) (2) (3) (4) (5) (6)
[Hold]
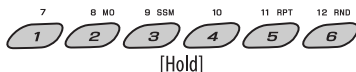
• To use direct folder access on MP3/WMA discs, it is required that folders are assigned with 2-digit numbers at the beginning of their folder names— 01, 02, 03, and so on.

To select a particular track in a folder (for MP3/WMA disc):

Other main functions

Skipping tracks quickly during play

- KD-G396/KD-G395: For MP3 or WMA discs, you can skip tracks within the same folder
- Ex.: To select track 32 while playing tracks whose number is a single digit (1 to 9)

1 MODE
M

2
→ Track 1 to 9 → Track 10
- - - **30** ← **20** ←
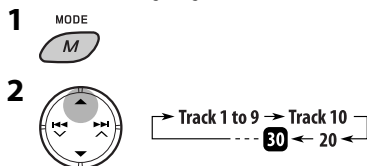
Each time you press the button, you can skip 10 tracks.
- After the last track, the first track will be selected and vice versa.

3
→ Track 31 → **32** → - - - -

Prohibiting disc ejection

You can lock a disc in the loading slot.

SRC + [Hold] ▲

NO EJECT
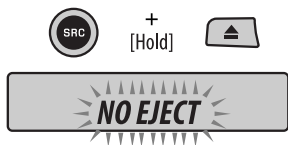
To cancel the prohibition, repeat the same procedure.

Changing the display information

DISP

While playing an audio CD or CD Text

A → Disc title/performer*1 → Track title*1 [♪] → B → (back to the beginning)

While playing an MP3 or a WMA track (for KD-G396/KD-G395)

- **When "TAG DISP" is set to "TAG ON" (see page 12)**

A → Album name/performer (folder name*2) [TAG ▤] → Track title (file name*2) [TAG ♪] → B → (back to the beginning)

- **When "TAG DISP" is set to "TAG OFF"**

A → Folder name [▤] → File name [♪] → B → (back to the beginning)

A : Clock with the current track number
B : The elapsed playing time with the current track number
[ ] : Corresponding indicator lights up on the display

*1 *If the current disc is an audio CD, "NO NAME" appears.*
*2 *If an MP3/WMA file does not have Tag information, folder name and file name appear. In this case, the TAG indicator will not light up.*

Selecting the playback modes

You can use only one of the following playback modes at a time.

1 MODE
M

2 Select your desired playback mode.

■ **Repeat play**   11 RPT
5

Mode	Plays repeatedly
TRK RPT	: The current track. [*RPT*]
FLDR RPT *	: All tracks of the current folder. [▤ *RPT*]
RPT OFF	: Cancels.

9

■ **Random play**

12 RND
6

Mode		Plays at random
FLDR RND *	:	All tracks of the current folder, then the tracks of the next folder and so on. [RND ▱]
ALL RND	:	All tracks of the current disc. [RND ●]
RND OFF	:	Cancels.

* *KD-G396/KD-G395: Only while playing an MP3 or a WMA disc.*

[ ] : Corresponding indicator lights up on the display

Sound adjustments

You can select a preset sound mode suitable to the music genre (iEQ: intelligent equalizer).

EQ

┌→ USER → ROCK → CLASSIC ┐
└ JAZZ ← HIP HOP ← POPS ←┘

Preset values Indication (For)	BAS	MID	TRE	LOUD
USER (Flat sound)	00	00	00	OFF
ROCK (Rock or disco music)	+03	00	+02	OFF
CLASSIC (Classical music)	+01	00	+03	OFF
POPS (Light music)	+02	+01	+02	OFF
HIP HOP (Funk or rap music)	+04	–02	+01	OFF
JAZZ (Jazz music)	+03	00	+03	OFF

BAS: Bass; MID: Mid-range; TRE: Treble; LOUD: Loudness

Adjusting the sound

You can adjust the sound characteristics to your preference.

1 SEL

┌→ BAS → MID → TRE → FAD ┐
└ VOL ← LOUD ← BAL ←┘
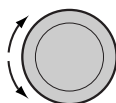
2 [Turn]

Indication, [Range]

BAS *[1]* (bass), [–06 to +06]
Adjust the bass.

MID *[1]* (mid-range), [–06 to +06]
Adjust the mid-range frequencies sound level.

TRE *[1]* (treble), [–06 to +06]
Adjust the treble.

FAD *[2]* (fader), [R06 to F06]
Adjust the front and rear speaker balance.

BAL (balance), [L06 to R06]
Adjust the left and right speaker balance.

LOUD *[3]* (loudness), [LOUD ON or LOUD OFF]
Boost low and high frequencies to produce a well-balanced sound at a low volume level.

VOL (volume), [00 to 50 or 00 to 30] *[4]*
Adjust the volume.

[1] *When you adjust the bass, mid-range, or treble, the adjustment you have made is stored for the currently selected sound mode (iEQ) including "USER."*
[2] *If you are using a two-speaker system, set the fader level to "00."*
[3] *The adjustment made (LOUD ON/LOUD OFF) will be applied to all sound modes.*
[4] *Depending on the amplifier gain control setting. (See page 12 for details.)*
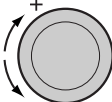
Other external component operations

You can connect an external component to the AUX (auxiliary) input jack on the control panel.

Portable audio player, etc

Stereo mini plug
(not supplied)

❶ SRC ⟶ AUX IN ⟶
CD ← FM1/FM2/FM3/AM ←
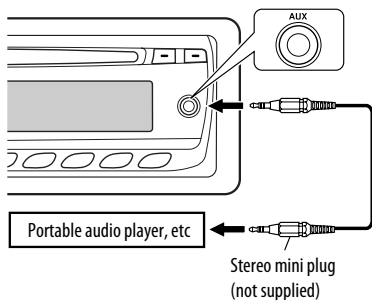
❷ **Turn on the connected component and start playing the source.**

❸ **Adjust the volume.**

[Turn]

❹ **Adjust the sound as you want. (See page 10.)**
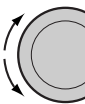
To check the other information while listening to an external component

DISP ⟶ Clock ⟷ AUX IN

General settings — PSM

1 SEL [Hold]

2 **Select a PSM item.**

3 **Adjust the PSM item selected.**

[Turn]

4 **Repeat steps 2 and 3 to adjust other PSM items if necessary.**

5 **Finish the procedure.**

SEL

ENGLISH

ENGLISH

Indications	Item (__ : Initial)	Selectable settings, [reference page]
DEMO Display demonstration	• **DEMO ON** • **DEMO OFF**	: The display demonstration will be activated automatically if no operation is done for about 20 seconds, [6]. : Cancels.
CLK DISP *¹ Clock display	• **ON** • **OFF**	: The clock time is shown on the display at all times when the power is turned off. : Cancels; pressing DISP will show the clock time for about 5 seconds when the power is turned off, [6].
CLOCK H Hour adjustment	**1 – 12**	[Initial: 1 (1:00)], [6]
CLOCK M Minute adjustment	**00 – 59**	[Initial: 00 (1:00)], [6]
DIMMER Dimmer	• **ON** • **OFF**	: Dims the display and button illumination. : Cancels.
SCROLL *² Scroll	• **ONCE** • **AUTO** • **OFF**	: Scrolls the displayed information once. : Repeats scrolling (at 5-second intervals). : Cancels. • Pressing DISP for more than one second can scroll the display regardless of the setting.
AUX ADJ Auxiliary input level adjustment	**A.ADJ 00 – A.ADJ 05**	: Adjust the auxiliary input level to avoid the sudden increase of the output level when changing the source from external component connected to the AUX input jack on the control panel.
TAG DISP *³ Tag display	• **TAG ON** • **TAG OFF**	: Shows the Tag information while playing MP3/WMA tracks, [9]. : Cancels.
AMP GAIN Amplifier gain control	• **LOW PWR** • **HIGH PWR**	: VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to avoid damaging the speaker.) : VOL 00 – VOL 50

*¹ *If the power supply is not interrupted by turning off the ignition key of your car, it is recommended to select "OFF" that you save the car's battery.*

*² *Some characters or symbols will not be shown correctly (or will be blanked) on the display.*

*³ *For KD-G396/KD-G395.*

12

Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors. To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.
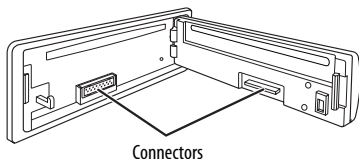
Connectors

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:
• After starting the heater in the car.
• If it becomes very humid inside the car.
Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture has evaporated.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

Center holder

• Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc in its case, gently insert the disc around the center holder (with the printed surface facing up).
• Make sure to store discs in cases after use.

To keep discs clean

A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.

• Do not use any solvents (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:

Single CD (8 cm disc)

Warped disc

Sticker and sticker residue

Stick-on label

Unusual shape

C-thru Disc (semi-transparent disc)

Transparent or semi-transparent parts on its recording area

More about this unit

Basic operations

Turning on the power

- By pressing SRC on the unit, you can also turn on the power. If the source is ready, playback also starts.

Turning off the power

- If you turn off the power while listening to a disc, disc play will start from where it had been stopped previously next time you turn on the power.

Tuner operations

Storing stations in memory

- During SSM search...
  - All previously stored stations are erased and the stations are stored anew.
  - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
  - When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, the previously preset station is erased when a new station is stored in the same preset number.

Disc operations

Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA) formats. KD-G396/ KD-G395 can also play back CD-Rs/CD-RWs in MP3/ WMA formats.

- KD-G396/KD-G395: MP3 and WMA "tracks" (words "file" and "track" are used interchangeably) are recorded in "folders."
- KD-G396/KD-G395: While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sounds.

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- KD-G396/KD-G395 can only play back files of the same type as those which are detected first if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, or for the following reasons:
  - Discs are dirty or scratched.
  - Moisture condensation has occurred on the lens inside the unit.
  - The pickup lens inside the unit is dirty.
  - The files on the CD-R/CD-RW are written using the "Packet Write" method.
  - There are improper recording conditions (missing data, etc.) or media conditions (stained, scratched, warped, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
  - Discs with stickers, labels, or protective seal stuck to the surface.
  - Discs on which labels can be directly printed by an ink jet printer.
  Using these discs under high temperature or high humidity may cause malfunctions or damage to the unit.

KD-G396/KD-G395: Playing an MP3/WMA disc

- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
  – Bit rate: 8 kbps — 320 kbps
  – Sampling frequency:
    48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
    24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
  – Disc format: ISO 9660 Level 1/ Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/folder names vary depending on the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
  – ISO 9660 Level 1: up to 12 characters
  – ISO 9660 Level 2: up to 31 characters
  – Romeo: up to 64 characters
  – Joliet: up to 32 characters
  – Windows long file name: up to 126 characters
- This unit can recognize a total of 512 files, 200 folders, and 8 hierarchical levels.
- This unit can play back files recorded in VBR (variable bit rate).
  Files recorded in VBR have a discrepancy in the elapsed time display, and do not show the actual elapsed time. In particular, this difference becomes noticeable after performing the search function.
- This unit cannot play back the following files:
  – MP3 files encoded in MP3i and MP3 PRO format.
  – MP3 files encoded in an inappropriate format.
  – MP3 files encoded with Layer 1/2.
  – WMA files encoded in lossless, professional, and voice format.
  – WMA files not based on Windows Media® Audio.
  – WMA files copy-protected with DRM.
  – Files which have data such as WAVE, ATRAC3, etc.

- The search function works but search speed is not constant.

Changing the source

- If you change the source, playback also stops (without ejecting the disc).
  Next time you select "CD" for the playback source, disc play starts from where it has been stopped previously.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, it is automatically inserted into the loading slot again to protect it from dust.
- After ejecting a disc, "NO DISC" appears and you cannot operate some of the buttons. Insert another disc or press SRC to select another playback source.

General settings—PSM

- If you change the "AMP GAIN" setting from "HIGH PWR" to "LOW PWR" while the volume level is set higher than "VOL 30," the unit automatically changes the volume level to "VOL 30."

Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Remedies/Causes
General	• Sound cannot be heard from the speakers.	• Adjust the volume to the optimum level. • Check the cords and connections.
	• The unit does not work at all.	Reset the unit (see page 2).
FM/AM	• SSM automatic presetting does not work.	Store stations manually.
	• Static noise while listening to the radio.	Connect the antenna firmly.
Disc playback	• Disc cannot be played back.	Insert the disc correctly.
	• CD-R/CD-RW cannot be played back. • Tracks on the CD-R/CD-RW cannot be skipped.	• Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
	• Disc can neither be played back nor ejected.	• Unlock the disc (see page 9). • Eject the disc forcibly (see page 2).
	• Disc sound is sometimes interrupted.	• Stop playback while driving on rough roads. • Change the disc. • Check the cords and connections.
	• "NO DISC" appears on the display. • "PLEASE" and "EJECT" appear alternately on the display.	Insert a playable disc into the loading slot.
MP3/WMA playback (for KD-G396/KD-G395)	• Disc cannot be played back.	• Use a disc with MP3/WMA tracks recorded in a format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet. • Add the extension code <.mp3> or <.wma> to the file names.
	• Noise is generated.	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	• A longer readout time is required ("READING" keeps flashing on the display).	Do not use too many hierarchical levels and folders.
	• Tracks are not played back in the order you have intended.	The playback order is determined when the files are recorded.
	• The elapsed playing time is not correct.	This sometimes occurs during playback. This is caused by how the tracks are recorded on the disc.
	• The correct characters are not displayed (e.g. album name).	This unit can only display alphabets (upper case), numbers, and a limited number of symbols.

Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:	
Front/Rear:	50 W per channel
Continuous Power Output (RMS):	
Front/Rear:	19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance:	4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range:	
Bass:	±12 dB at 60 Hz
Mid-range:	±12 dB at 1 kHz
Treble:	±12 dB at 7.5 kHz
Frequency Response:	40 Hz to 20 000 Hz
Signal-to-Noise Ratio:	70 dB
For KD-G396/KD-G395:	
Line-Out Level/ Impedance:	2.5 V/20 kΩ load (full scale)
Output Impedance:	1 kΩ
Other Terminal:	AUX (auxiliary) input jack

TUNER SECTION

Frequency Range:	
FM:	87.5 MHz to 108.0 MHz
AM:	531 kHz to 1 602 kHz
FM Tuner	
Usable Sensitivity:	11.3 dBf (1.0 μV/75 Ω)
50 dB Quieting Sensitivity:	16.3 dBf (1.8 μV/75 Ω)
Alternate Channel Selectivity (400 kHz):	65 dB
Frequency Response:	40 Hz to 15 000 Hz
Stereo Separation:	30 dB
AM Tuner	
Sensitivity/Selectivity:	20 μV/35 dB

CD PLAYER SECTION

Type:	Compact disc player
Signal Detection System:	Non-contact optical pickup (semiconductor laser)
Number of Channels:	2 channels (stereo)
Frequency Response:	5 Hz to 20 000 Hz
Dynamic Range:	93 dB
Signal-to-Noise Ratio:	98 dB
Wow and Flutter:	Less than measurable limit
For KD-G396/KD-G395:	
MP3 Decoding Format: (MPEG1/2 Audio Layer 3)	
Max. Bit Rate:	320 kbps
WMA (Windows Media® Audio) Decoding Format:	
Max. Bit Rate:	192 kbps

GENERAL

Power Requirement:	
Operating Voltage:	DC 14.4 V (11 V to 16 V allowance)
Grounding System:	Negative ground
Allowable Operating Temperature:	0°C to +40°C
Dimensions (W × H × D): (approx.)	
Installation Size:	182 mm × 52 mm × 160 mm
Panel Size:	188 mm × 58 mm × 5 mm
Mass:	1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

Having TROUBLE with operation?
Please reset your unit
Refer to page of How to reset your unit

หากมีปัญหาในการใช้งาน
กรุณากดปุ่มตั้งค่าเริ่มต้นใหม่
กรุณาดูหน้าวิธีตั้งค่าเครื่องใหม่

JVC

JVC

KD-G396/KD-G395/KD-G245
Installation/Connection Manual
การติดตั้ง/คู่มือการติดตั้ง

ENGLISH

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

WARNINGS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.
• **Be sure to ground this unit to the car's chassis again after installation.**

Notes:
• Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
• It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 12 of the INSTRUCTIONS).
• To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
• The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.
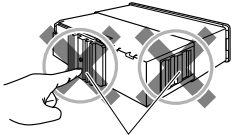
Heat sink / แผ่นระบายความร้อน

ไทย

ชุดประกอบนี้ได้รับการออกแบบมาเพื่อใช้งานกับระบบ กระแสไฟฟ้าสายดินขั้วลบกระแสตรง **12 โวลท์ หากรถยนต์ของคุณไม่ได้ใช้ระบบนี้** ต้องใช้เครื่องแปลงกระแสไฟช่วย ซึ่งสามารถหาซื้อได้จากร้านขายเครื่องเสียงรถยนต์ JVC

คำเตือน

เพื่อป้องกันการเกิดไฟฟ้าลัดวงจร ขอแนะนำให้ปลดขั้วแบตเตอรี่ลบออกแล้วจึงต่อสายไฟก่อนติดตั้งเครื่อง
• ตรวจสอบให้แน่ใจว่าได้เดินสายต่อสายดินอีกระหว่างเครื่องกับตัวถัง รถยนต์ใหม่แล้วหลังจากติดตั้ง

หมายเหตุ:
• ใช้ฟิวส์กำหนดเฉพาะแทนฟิวส์ หากฟิวส์ขาดบ่อย ให้ปรึกษาร้า นขายเครื่องเสียงรถยนต์ JVC
• ขอแนะนำให้ต่อลำโพง ที่มีกำลังขับสูงสุดเกินกว่า 50 W (ทั้งด้านหน้าและด้านหลัง มีค่าความต้านทาน **4 Ω ถึง 8 Ω**) ถ้ากำลังขับต่ำกว่า 50 W ให้เปลี่ยนค่า "AMP GAIN" เพื่อป้องกันไม่ให้ลำโพงชำรุด (ดูหน้า 12 คำแนะนำ)
• การป้องกันการลัดวงจร จะต้องพันขั้วสายตะกั่ว **ที่ไม่ใช้แล้ว**ด้วยเทป ปพันสายไฟ
• แผ่นระบายความร้อนจะร้อนมากหลังจากใช้ ระมัดระวังอย่าไป สัมผัสเมื่อถอดชุดประกอบนี้

PRECAUTIONS on power supply and speaker connections:

• **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
• BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.
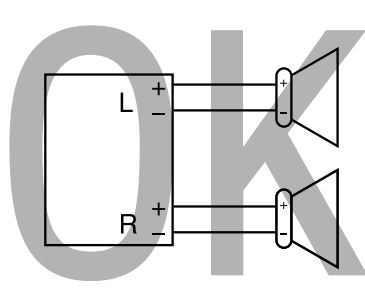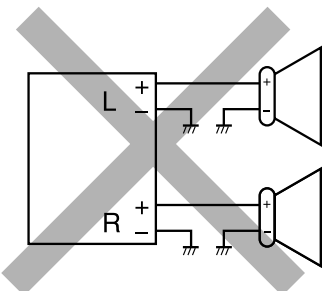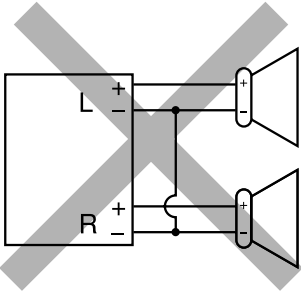
ข้อควรระวังสำหรับการต่อแหล่งจ่ายกำลังและลำโพง:

• อย่าต่อสายตะกั่วเคเบิลกำลังของลำโพงเข้ากับแบตเตอรี่รถยนต์ มิฉะนั้น ชุดประกอบจะได้รับความเสียหายมาก
• ก่อนที่จะต่อสายตะกั่วเคเบิลกำลังของลำโพงเข้ากับลำโพง ให้ตรวจสอบการเดินสายไฟลำโพงในรถของคุณให้เรียบร้อยเสียก่อน

Parts list for installation and connection

The following parts are provided for this unit. If any item is missing, consult your JVC car audio dealer immediately.

รายการส่วนประกอบสำหรับติดตั้งและเชื่อมต่อกัน

ส่วนประกอบต่อไปนี้ให้มากับชุดประกอบนี้ หากมีสิ่งใดไม่ครบ กรุณาปรึกษาตัวแทนจำหน่ายเครื่องเสียงติดรถยนต์ JVC โดยทันที

Ⓐ / Ⓑ
Hard case (for KD-G396/KD-G395)/Control panel
ลังบรรจุ (สำหรับ KD-G396 หรือ KD-G395)/หน้าปัด

Ⓒ
Sleeve
ปลอกหุ้ม
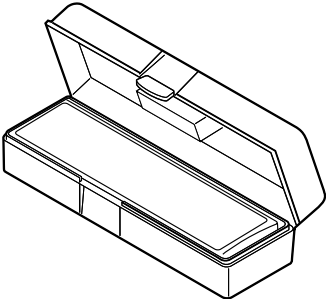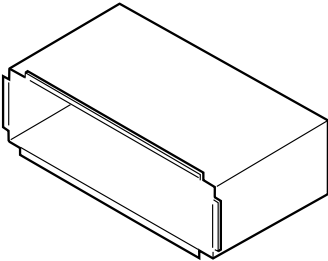
Ⓓ
Trim plate
แผ่นโลหะขอบแต่ง
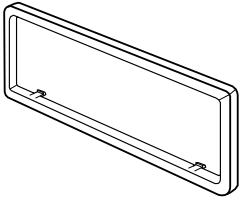
Ⓔ
Power cord
ายเคเบิลกำลัง

Ⓕ
Washer (ø5)
ประเก็นวงแหวน (ø5)

Ⓖ
Lock nut (M5)
นอตล็อค (M5)

Ⓗ
Mounting bolt
(M4 × 5 mm; M5 × 15 mm)
สลักติด
(M4 × 5 มม.; M5 × 15 มม.)
M5
M4

For KD-G396/KD-G395 / สำหรับ KD-G396 หรือ KD-G395
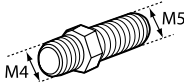
Ⓘ
Rubber cushion
ยางกันกระแทก

Ⓙ
Handles
ก้นบังคับ
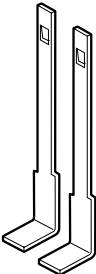
Ⓚ
Remote controller
รีโมคคอนโทรเลอร์
RM-RK50

Ⓛ
Battery
แบตเตอรี
CR2025
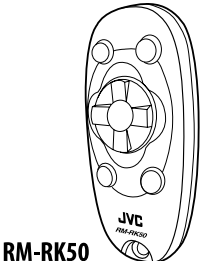
INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.
• If you are not sure how to install this unit correctly, have it installed by a qualified technician.
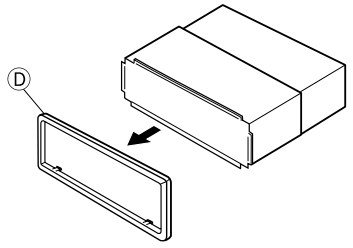
การติดตั้ง (การประกอบแผงหน้าปัทม์เข้า)
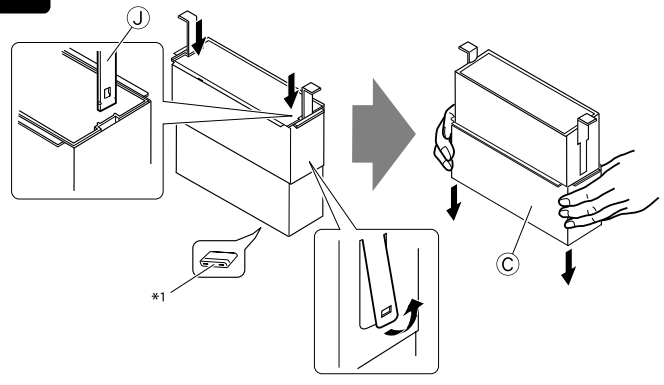
ภาพตัวอย่างต่อไปนี้แสดงถึงการติดตั้งแบบทั่วไป หากคุณมีปัญหาหรือต้องการข้อมูลเกี่ยวกับชุดติดตั้ง กรุณาปรึกษากับผู้ขายเครื่องเสียงรถยนต์ JVC ของท่านหรือบริษัท
• ชุดประกอบ ถ้าคุณไม่แน่ใจว่าติดตั้งชุดประกอบนี้ถูกต้องหรือไม่ ให้หาช่างผู้เชี่ยวชาญเป็นผู้ติดตั้ง

1

2

*1

3

❸
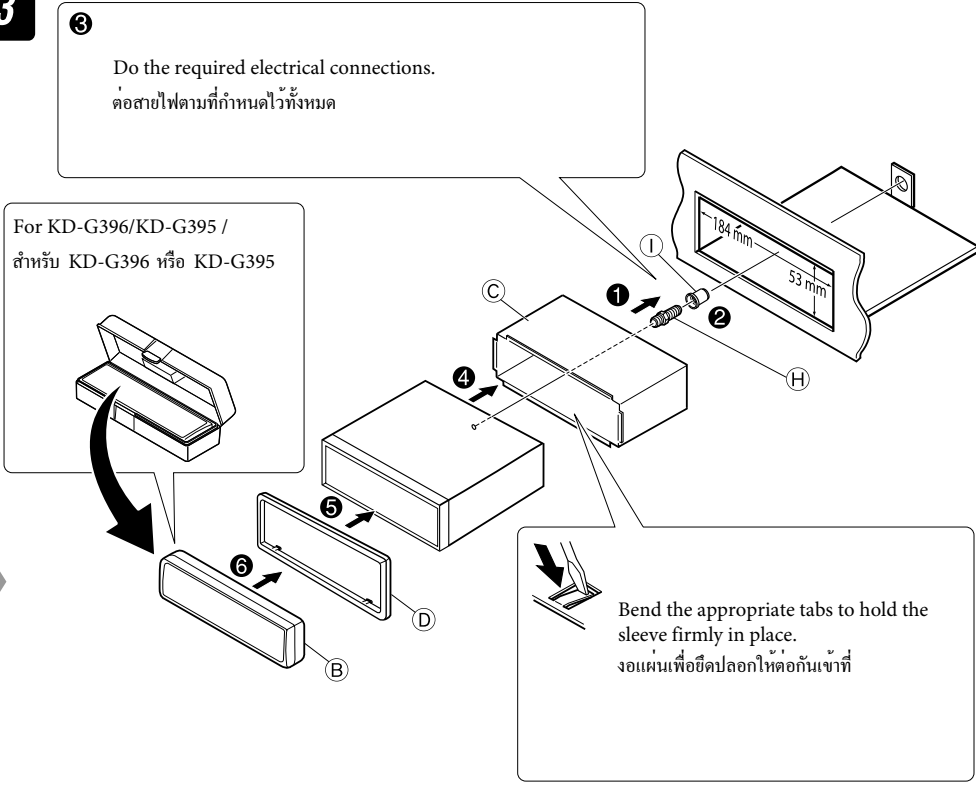
Do the required electrical connections.
ต่อสายไฟตามที่กำหนดไว้ทั้งหมด

For KD-G396/KD-G395 /
สำหรับ KD-G396 หรือ KD-G395

184 mm
53 mm

Bend the appropriate tabs to hold the sleeve firmly in place.
งอแผ่นเพื่อยึดปลอกให้ต่ออยู่กับเข้าที่
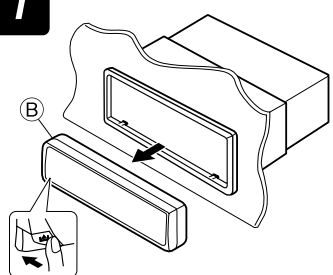
Removing the unit

Before removing the unit, release the rear section.
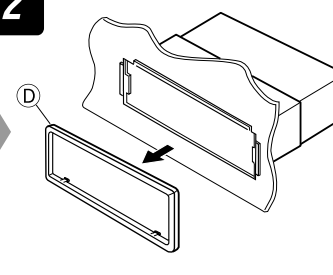
การถอดชุดประกอบ

ก่อนจะถอดชุดประกอบ ให้ปลดหน้าตัดส่วนท้ายก่อน

1
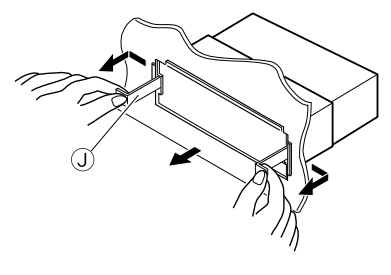
2
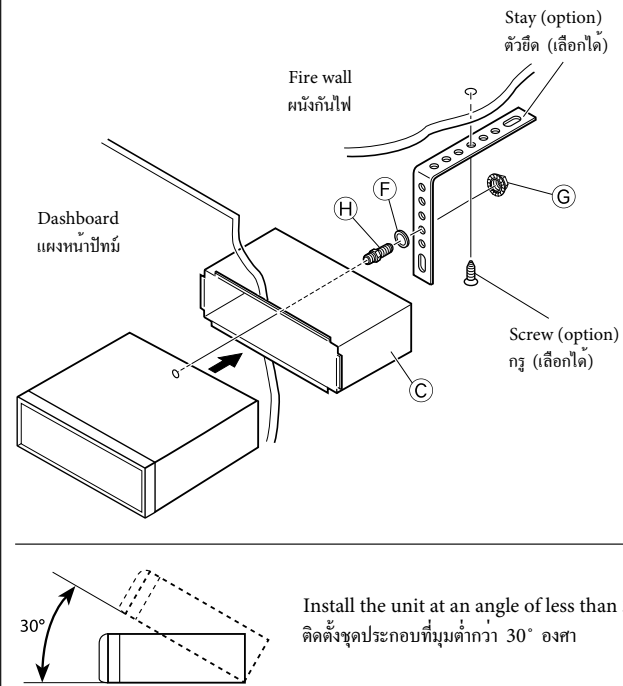
3

Insert the two handles, then pull them as illustrated so that the unit can be removed.
ใส่กันบังคับ 2 อันลงในร่องสำหรับใช้พันลวด ดังภาพ จากนั้น ให้เลื่อนชุดประกอบออก ในขณะที่คอย ๆ ดึงกันบังคับทั้ง สอง อันออกจากกัน
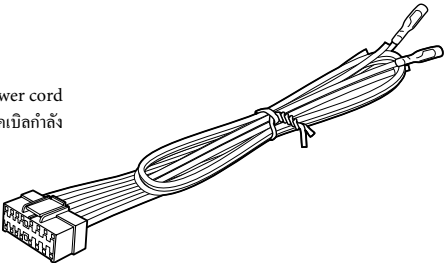

When using the optional stay / เมื่อใช้ตัวยึดแบบเลือกได้

Stay (option)
ตัวยึด (เลือกได้)

Fire wall
ผนังกันไฟ
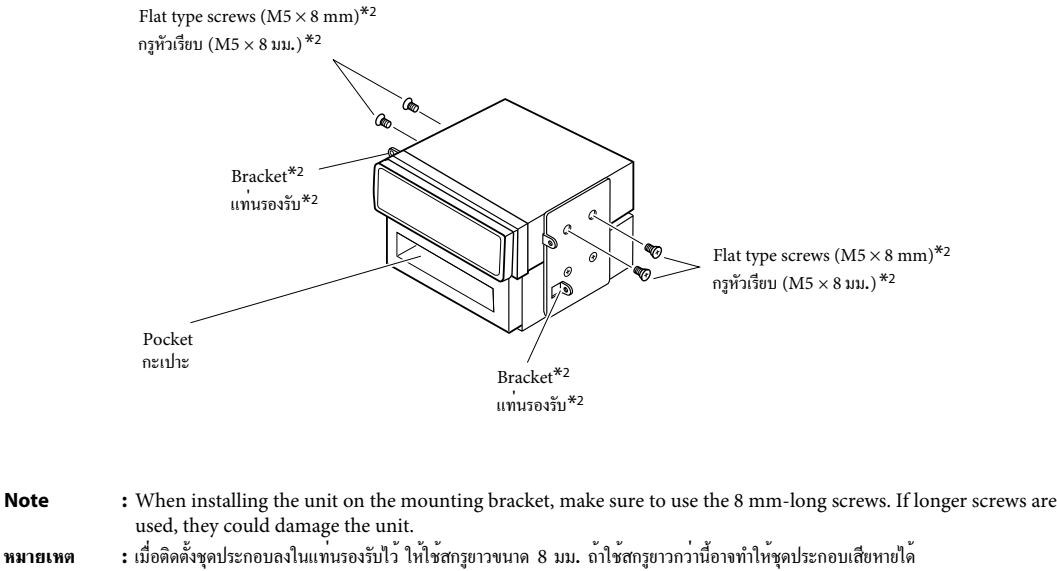
Dashboard
แผงหน้าปัทม์

Screw (option)
กรู (เลือกได้)

Install the unit at an angle of less than 30°.
ติดตั้งชุดประกอบที่มุมต่ำกว่า 30° องศา

30°

When installing the unit without using the sleeve / เมื่อติดตั้งชุดประกอบโดยไม่ใช้ปลอกหุ้ม

In a Toyota car for example, first remove the car radio and install the unit in its place.
ตัวอย่างเช่น ในรถยนต์โตโยต้า ให้ถอดวิทยุติดรถยนต์ออกก่อน แล้วจึงติดตั้งเครื่องนี้เข้าแทนที่

Flat type screws (M5 × 8 mm)*2
กรูหัวเรียบ (M5 × 8 มม.) *2

Bracket*2
แท่นรองรับ*2

Flat type screws (M5 × 8 mm)*2
กรูหัวเรียบ (M5 × 8 มม.) *2

Pocket
กะเป๋า

Bracket*2
แท่นรองรับ*2

Note	: When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.
หมายเหตุ	: เมื่อติดตั้งชุดประกอบลงในแท่นรองรับไว้ ให้ใช้สกรูยาวขนาด 8 มม. ถ้าใช้สกรูยาวกว่านี้อาจทำให้ชุดประกอบเสียหายได้

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*1 When you stand the unit, be careful not to damage the fuse on the rear.
*2 Not supplied for this unit.

*1 เมื่อคุณตั้งชุดประกอบขึ้น ระวังอย่าทำให้ฟิวส์บริเวณส่วนท้ายเสียหาย
*2 ไม่ได้ให้มากับชุดประกอบนี้

ELECTRICAL CONNECTIONS

การเชื่อมโดยใช้ไฟฟ้า

A Typical connections / การเชื่อมต่อแบบปกต

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.
The leads of the power cord and those of the connector from the car body may be different in color.

1 Connect the colored leads of the power cord in the order specified in the illustration below.

2 Connect the antenna cord.

3 Finally connect the wiring harness to the unit.

ก่อตทำกาตเชื่อมต่อ: ตควจ อตกาตเดิต ายไฟใตคตคยตด่อง่างตะมัตคะว่ายใ้ห้ผิตพตาตใตกาตเช่ตอมต่อชุตปตะกอตตชุตต์ี กาตเช่ตอมต่อผิตพตาตอาจใ้ห้เกิตความเ้ียหาย่ตายแตงตัตชุตปตะ

กอตตี้ได้ตตตะก้วั ของ าย๊ไฟ แตะตของอุปตตด่ต่อเช่ตอมจากตัว ตตตอาตมี ที่ไม่เหตมตอตตกี

1 ต่อสายไฟสีตตสำตับที่ตะบุในตูปด้านล่าง

2 เชื่อมต่อกับบายอากาศ

3 สุดท้าย ต่อส่วนควบคุมการเดินสายไฟเข้ากับชุดประกอบชุดนี้

Line out (see diagram **B**) — only for KD-G396/KD-G395
ายออก (ดูแผนภูม **B**) — สำหรับ KD-G396 หรือ KD-G395 เท่านั้น

Rear ground terminal
จุดเชื่อมต่อ ายดินด้านหลัง

Antenna terminal
ขั้วสายอากาศ

REAR
LEFT
RIGHT
LINE OUT

15 A fuse
ฟิวส์ขนาด 15 A

Ignition switch
วิทช์จุดระเบิด

Black
สีดำ
① To the metallic body or chassis of the car
ต่อกับโครงโลหะหรือเชสซิสของรถยนต์

Yellow *2
สีเหลือง *2
② To a live terminal in the fuse block connecting to the car battery (bypassing the ignition switch) (constant 12 V)
ต่อกับขั้วที่มีกระแสไฟฟ้าในแผงฟิวส์ ซึ่งต่อกับแบตเตอรี่รถยนต (โดยไม่ต้องใช้สวิทช์จุดระเบิด) (12 โวลท์คงที่)

Red
สีแดง
③ To an accessory terminal in the fuse block
ต่อกับขั้วส่วนประกอบในแผงฟิว

Blue
สีฟ้า
④ To the automatic antenna if any (250 mA max.)
เสาอากาศไฟฟ้าอัตโนมัติ หากมี (ขนาดสูงสุด 250 mA)

Blue with white stripe
สีน้ำเงินลายขาว
⑤ To the remote lead of other equipment (200 mA max.) — only for KD-G396/KD-G395
ต่อเข้ากับอุปกรณ์อื่น (ขนาดสูงสุด 200 mA) — สำหรับ KD-G396 หรือ KD-G395 เท่านั้น

Fuse block
แผงฟิวส

⑥

White with black stripe
สีขาวแถบดำ
(−) (+)
White
สีขาว
Left speaker (front)
ลำโพงซ้าย (หน้า)

Gray with black stripe
สีเทาแถบดำ
(−) (+)
Gray
สีเทา
Right speaker (front)
ลำโพงขวา (หน้า)

Green with black stripe
สีเขียวแถบดำ
(−) (+)
Green
สีเขียว
Left speaker (rear)
ลำโพงซ้าย (หลัง)

Purple with black stripe
สีม่วงแถบดำ
(−) (+)
Purple
สีม่วง
Right speaker (rear)
ลำโพงขวา (หลัง)

*1 Not supplied for this unit.
*2 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise the power cannot be turned on.

*1 ไม่ได้ให้มากับชุดประกอบนี้
*2 ก่อนการตรวจสอบการทำงานของชุดประกอบนี้ก่อนที่จะติดตั้ง ต้องต่อสายตะกั่วนี้ก่อน มิฉะนั้นจะไม่สามารถเปิดเครื่องได

You can connect an amplifier to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
- **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**

คุณสามารถต่อกับแอมพลิฟายเออร์ เพื่อเพิ่มคุณ ภาพเสียงให้กับระบบสเตอริโอของรถยนต์
- ต่อสายตะกั่วระยะไกล (สีน้ำเงินลายขาว) เข้ากับสายตะกั่วระยะไกลของอุปกรณ์อื่น ๆ เพื่อจะสามารถควบคุมโดยชุดประกอบนี้ได้
- **ถอดลำโพงออกจากชุดประกอบนี้ แล้วต่อเข้ากับเครื่องขยาย ทิ้งสายตะกั่วลำโพงของชุดประกอบนี้ไว้**

Remote lead
ยตะกั่วคะยะไกล

Y-connector (not supplied for this unit)
ข้อต่อรูปตัว Y (ไม่ได้ให้มากับชุดประกอบนี้)

Remote lead (blue with white stripe)
ยตะกั่วคะยะไกล (สีน้ำเงินลายขาว)

To the remote lead of other equipment or automatic antenna if any
ต่อสายกับอุปกรณ์อื่นหรือเสาอากาศอัตโนมัติถ้ามี

KD-G396/KD-G395

REAR

LEFT
RIGHT

LINE OUT

Rear speakers
ลำโพงหลัง

JVC Amplifier
เครื่องขยายเสียง JVC

INPUT
L
R

L
R

L
R

*3

Signal cord (not supplied for this unit)
ยตเคเบิลสัญญาณ (ไม่ได้ให้มากับชุดประกอบนี้)

Front speakers
ลำโพงหน้า

*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

*3 ต่อลวดสายดินให้แน่นเข้ากับตัวถังเหล็ก หรือตัวถังรถ—ตรงส่วน ที่ไม่มีสีเคลือบ (หากมีสีเคลือบอยู่ ให้ขูดสีออกก่อน ก่อนต่อลวดสายดิน) หากไม่ปฏิบัติตามคำแนะนำนี้ เครื่องอาจชำรุดหรือเสียหายได้

TROUBLESHOOTING

- **The fuse blows.**
* Are the red and black leads connected correctly?

- **Power cannot be turned on.**
* Is the yellow lead connected?

- **No sound from the speakers.**
* Is the speaker output lead short-circuited?

- **Sound is distorted.**
* Is the speaker output lead grounded?
* Are the "–" terminals of L and R speakers grounded in common?

- **Noise interfere with sounds.**
* Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?

- **This unit becomes hot.**
* Is the speaker output lead grounded?
* Are the "–" terminals of L and R speakers grounded in common?

- **This unit does not work at all.**
* Have you reset your unit?

การตรวจสอบปัญหาขัดข้อง

- **ฟิวส์ขาด**
* มีการเชื่อม ยตะกั่วสีดำและสีแดงอย่างถูกต้องหรือไม่

- **ไม่สามารถเปิดเครื่องได้**
* มีการเชื่อมสายตะกั่วสีเหลืองหรือไม่

- **ไม่มีเสียงออกจากลำโพง**
* สายตะกั่วส่วนที่ออกทางลำโพงเกิดไฟฟ้าลัดวงจรหรือไม่

- **เสียงเพี้ยน**
* สายตะกั่วส่วนที่ออกทางลำโพงต่อลงดินหรือไม่
* สายขั้วลบ "–" ของลำโพงด้านซ้ายและขวาต่อลงดินตามปกติหรือไม่

- **เสียงรบกวน**
* มีการใช้สายสั้นๆ หรือหนาๆ ต่อจากเครื่องสวนที่ติดตั้ง ไว้บนพื้นด้านหลังกับตัวถังรถยนต์หรือไม่

- **ชุดประกอบร้อนขึ้น**
* สายตะกั่วส่วนที่ออกทางลำโพงต่อลงดินหรือไม่
* สายขั้วลบ "–" ของลำโพงด้านซ้ายและขวาต่อลงดินตามปกติหรือไม่

- **เครื่องรับนี้ทำงานไม่**
* ท่านได้ตั้งเครื่องใหม่แล้วหรือยัง