

# JVC



ENGLISH

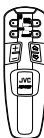
DEUTSCH

FRANÇAIS

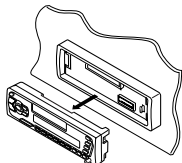
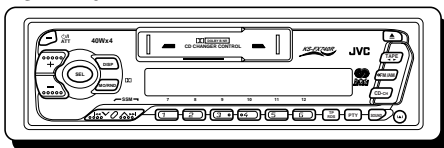
NEDERLANDS

**CASSETTE RECEIVER**  
**CASSETTEN-RECEIVER**  
**RADIOCASSETTE**  
**RADIO/CASSETTESPELER**

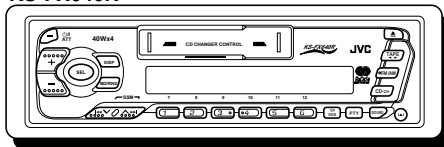
## KS-FX740R/FX640R/F540R



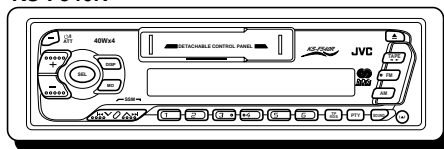
KS-FX740R



KS-FX640R



KS-F540R



For installation and connections, refer to the separate manual.

Für den Einbau und die Anschlüsse siehe das eigenständige Handbuch.

Pour l'installation et les raccordements, se référer au manuel séparé.

Bijzonderheden over de installatie en aansluiting van het apparaat vindt u in de desbetreffende handleiding.

## INSTRUCTIONS

**BEDIENUNGSANLEITUNG**  
**MANUEL D'INSTRUCTIONS**  
**GEBRUIKSAANWIJZING**

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.

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(ONLY FOR KS-FX740R)

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(ONLY FOR KS-FX740R/FX640R)

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#### **BEFORE USE**

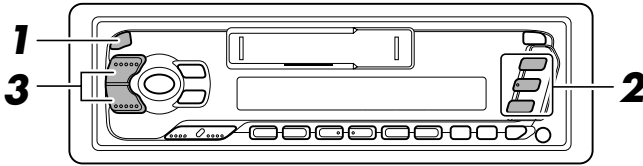
\* *For safety...*

- 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.

# BASIC OPERATIONS



**Note:**

When you use this unit for the first time, set the built-in clock (see page 22).

## 1

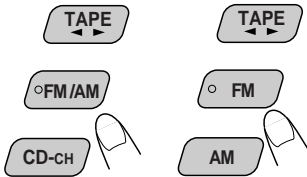
Turn on the power.



**Note on One-Touch Operation:**

When you select a source in step 2 below, the power automatically turns on. You do not have to press this button to turn on the power.

## 2

 KS-FX740R/FX640R    KS-F540R

Select the source.

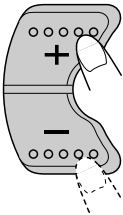
To operate the tuner, see pages 4 – 15.

To operate the tape deck, see pages 16 – 18.

For KS-FX740R/FX640R

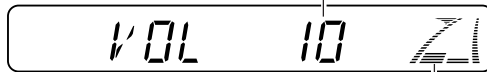
To operate the CD changer, see page 27 – 28.

## 3



Adjust the volume.

Volume level appears.



Volume level indicator

## 4

 Adjust the sound as you want (see pages 19 – 21).

### To drop the volume in a moment

Press  $\odot$ /I/ATT briefly while listening to any source. “ATT” starts flashing on the display, and the volume level will drop soon.

To resume the previous volume level, press the same button briefly again.

### To turn off the power

Press  $\odot$ /I/ATT for more than 1 second.

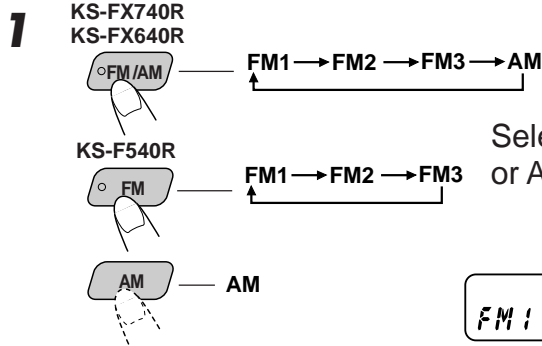
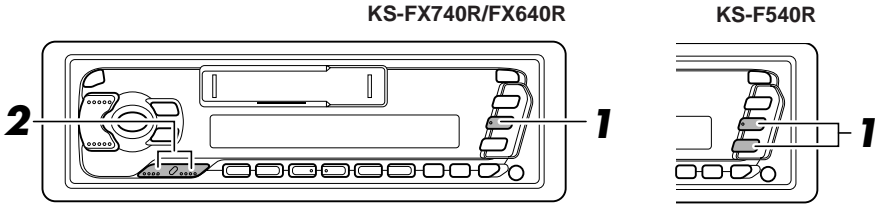
**Note:**

For security reasons, a numbered ID card is provided with this unit, and the same ID number is imprinted on the unit's chassis. Keep the card in a safe place, as it will help the authorities to identify your unit if stolen.



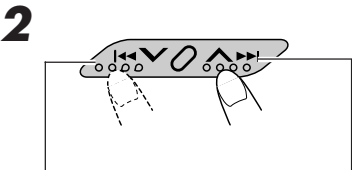
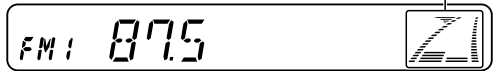
# RADIO OPERATIONS

## Listening to the radio



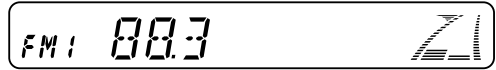
Select the band (FM1, FM2, FM3 or AM) you want.

Audio level indicator  
(Only for KS-FX740R/  
FX640R)



To search stations of lower frequencies.      To search stations of higher frequencies.

Start searching a station.



When a station is received, searching stops.

To stop searching before a station is received, press the same button you have pressed for searching.

### To tune in a particular frequency manually:

- KS-FX740R/FX640R:** Select the band (FM or AM) by pressing FM/AM.  
**KS-F540R:** Select the band (FM or AM) by pressing FM or AM.
- Press and hold  $\blacktriangle \blacktriangleright \blacktriangleright$  or  $\blacktriangleleft \blacktriangleleft \blacktriangledown$  until "M" starts flashing on the display. You can manually change the frequency while "M" is flashing.
- Press  $\blacktriangle \blacktriangleright \blacktriangleright$  or  $\blacktriangleleft \blacktriangleleft \blacktriangledown$  repeatedly until the frequency you want is reached.
  - If you hold down the button, the frequency keeps changing (in 50 kHz intervals for FM and 9 kHz intervals for AM—MW/LW) until you release the button.

## Other convenient tuner functions

### Selecting FM reception sound

**When an FM stereo broadcast is hard to receive:**  
 Press MO/RND/□ (KS-FX740R), MO/RND (KS-FX640R) or MO (KS-F540R) while listening to an FM stereo broadcast. The MO (Mono) indicator lights up on the display. The sound you hear becomes monaural but reception will be improved.

To restore the stereo effect, press the same button again.

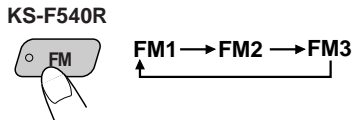
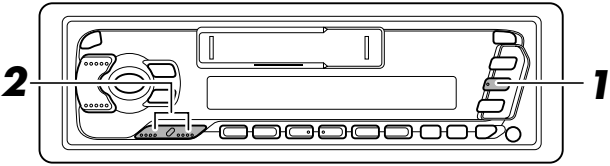
## Storing stations in memory

You can store broadcasting stations in memory using the following methods:

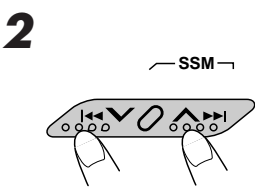
- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

### FM station automatic preset: SSM

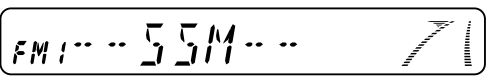
You can preset up to 6 local FM stations in each FM band (FM1, FM2, and FM3).



Select the FM band number (FM1, FM2 or FM3) you want to store FM stations into.



Press and hold both buttons for more than 2 seconds.



"SSM" appears, then disappears when automatic preset is over.

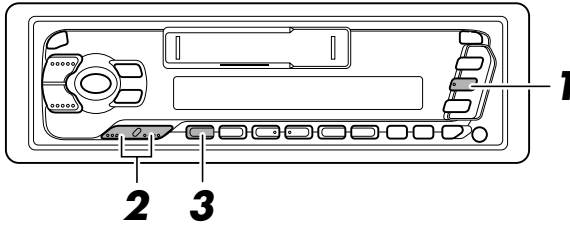
Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2 or FM3). These stations are preset in the number buttons — No. 1 (lowest frequency) to No. 6 (highest frequency).

When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

## Manual preset

You can preset up to 6 stations in each band (FM1, FM2, FM3 and AM) manually.

EXAMPLE: Storing an FM station of 88.3 MHz into preset number 1 of the FM1 band



**1**

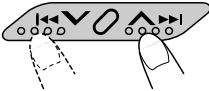
KS-FX740R/FX640R

KS-F540R

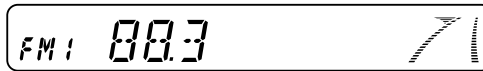


Select the FM1 band.

**2**



Tune into a station of 88.3 MHz.



See page 4 to tune into a station.

**3**



Press and hold the button for more than 2 seconds.



"P1" flashes for a few seconds.

**4**

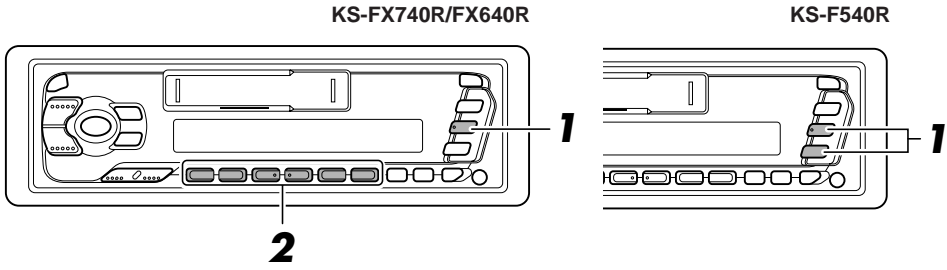
Repeat the above procedure to store other stations into other preset numbers.

### Notes:

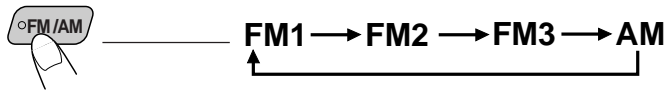
- A previously preset station is erased when a new station is stored in the same preset number.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

# Tuning into a preset station

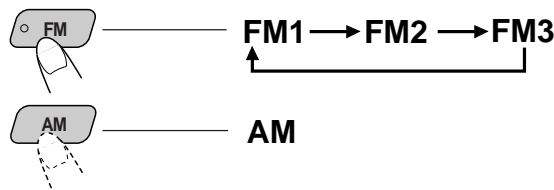
You can easily tune into a preset station.  
To do this, you must store stations first. If you have not stored them yet, see pages 5 and 6.



## 1 KS-FX740R/FX640R

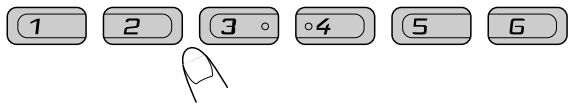


## KS-F540R



Select the band (FM1, FM2, FM3 or AM) you want.

## 2



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

### To change the display information while receiving an FM RDS station

Press DISP. Each time you press the button, the display changes as follows:





# RDS OPERATIONS

## What you can do with RDS EON

RDS (Radio Data System) allows FM stations to send an additional signal along with their regular programme signals. For example, the stations send their station names, as well as information about what type of programme they broadcast, such as sports or music, etc. Another advantage of RDS function is called "EON (Enhanced Other Networks)." The EON indicator lights up while receiving an FM station with the EON data. By using the EON data sent from a station, you can tune into a different station of a different network broadcasting your favorite programme or traffic announcement while listening to another programme or to another source such as CD.

By receiving the RDS signals, this unit can do the following:

- Tracing the same programme automatically (Network-Tracking Reception)
- Standby Reception of TA (Traffic Announcement) or your favorite programme
- PTY (Programme Type) search
- TA (Traffic Announcement) search
- And some other functions

### **Tracing the same programme automatically (Network-Tracking Reception)**

When driving in an area where FM reception is not good, the tuner built in this unit automatically tunes in another RDS station, broadcasting the same programme with stronger signals. So, you can continue to listen to the same programme in its finest reception, no matter where you drive. (See the illustration on the next page.)

Two types of the RDS signals are used to make Network-Tracking Reception work correctly — PI (Programme Identification) and AF (Alternative Frequency) data.

Without receiving these data correctly from the RDS station you are listening to, Network-Tracking Reception will not operate.



**To use Network-Tracking Reception**, press and hold TP/RDS (Traffic Programme/Radio Data System) for more than 1 second. Each time you press and hold the button, Network-Tracking Reception modes change as follows:



**Mode 1 (AF:on / REG:off)**

Network-Tracking is activated with Regionalization set to “off.”  
Switches to another station within the same network when the receiving signals from the current station become weak.

**Note:**

*In this mode, the programme may differ from the one currently received.*

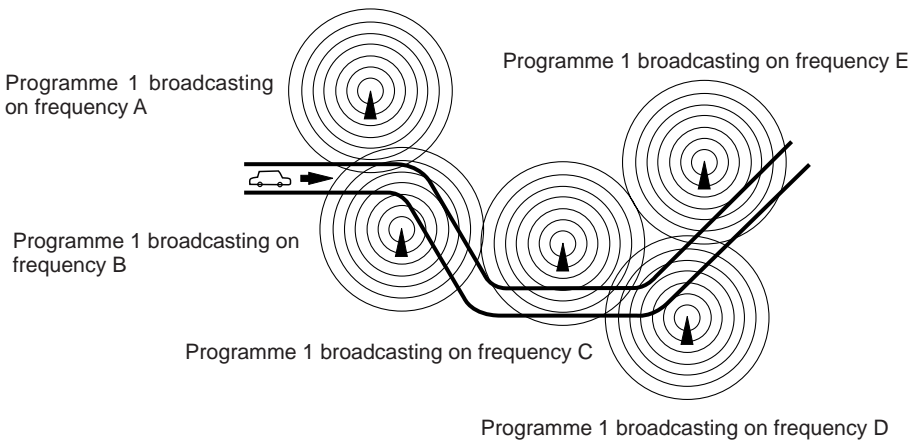
**Mode 2 (AF:on / REG:on)**

Network-Tracking is activated with Regionalization set to “on.”  
Switches to another station, within the same network, broadcasting the same programme when the receiving signals from the current station become weak.

**Mode 3 (AF:off / REG:off)**

Network-Tracking is deactivated.

The same programme can be received on different frequencies.





## Using Standby Reception

Standby Reception allows the unit to switch temporarily to your favorite programme (PTY: Programme Type) and Traffic Announcement (TA) from the current source (another FM station and TAPE (or CD for KS-FX740R/FX640R)).

### Note:

*Standby Reception will not work if you are listening to an AM station.*

## TA Standby Reception



- When you press TP/RDS while listening to an FM station, the TP indicator is lit during reception of a TP (Traffic Programme) station and the TA standby mode is engaged.

### Note:

*When the station being received is not a TP station, the TP indicator flashes. Press **▲ ►►** or **◀◀ ▼** to engage the TA standby mode. "SEARCH" appears on the display, and TP station search starts. When a TP station is tuned in, the TP indicator is lit.*

- If you are listening to TAPE (or CD for KS-FX740R/FX640R), and wish to listen to a TP station, press TP/RDS to enter the TA standby mode. (The TP indicator lights up.)

If a traffic programme starts broadcasting while the TA standby mode is active, "TRAFFIC" appears and the playback source changes to the FM band. The volume increases to the preset TA volume level and the traffic programme can be heard (see page 15).

**To deactivate the TA standby mode,** press TP/RDS again.

## PTY Standby Reception



- When you press PTY while listening to an FM station, the PTY indicator is lit during reception of a PTY station and the PTY standby mode is engaged. The selected PTY name stored on page 11 flashes for 5 seconds.

### Note:

*When the station being received is not a PTY station, the PTY indicator flashes. Press **▲ ►►** or **◀◀ ▼** to engage the PTY standby mode. "SEARCH" appears on the display, and PTY station search starts. When a PTY station is tuned in, the PTY indicator is lit.*

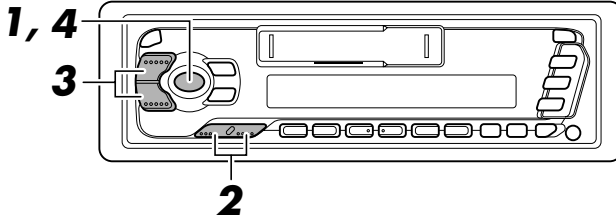
- If you are listening to TAPE (or CD for KS-FX740R/FX640R), and wish to listen to a selected PTY broadcast, press PTY to enter the PTY standby mode. (The PTY indicator lights up.)


If the selected PTY programme starts broadcasting while the PTY standby mode is active, the selected PTY name appears and the playback source changes to the FM band. The selected PTY programme can then be heard.

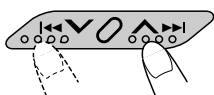
**To deactivate the PTY standby mode,** press PTY again.

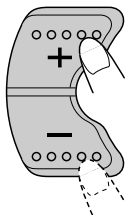
## Selecting Your Favorite Programme for PTY Standby Reception


You can select your favorite programme for PTY Standby Reception to store in memory. When shipped from the factory, "NEWS" is stored as the programme type for PTY Standby Reception.



**1**  Press and hold SEL for more than 2 seconds to enter the general settings mode (see page 23).

**2**  Select "PTY STBY (Standby)" if not shown on the display.

**3**  Select one of twenty-nine PTY codes. (See the table on page 14.)  
Selected code name appears on the display and is stored into memory.

**4**  Finish setting.

## Searching Your Favorite Programme

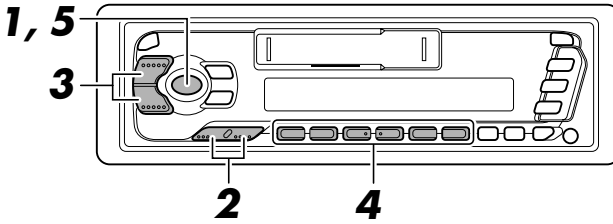
You can search one of your 6 favorite programme types stored in memory. When shipped from the factory, the following 6 programme types have been stored in the number buttons (1 to 6).

To change the factory preset settings, see page 12.

To search your favorite programme, see page 13.

1	2	3	4	5	6
POP M	ROCK M	EASY M	CLASSICS	AFFAIRS	VARIED

## To store your favorite programme types

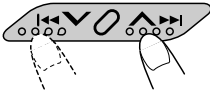


**1**



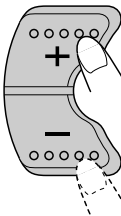
Press and hold SEL for more than 2 seconds to enter the general settings mode (see page 23).

**2**



Select “PTY SRCH (Search)” if not shown on the display.

**3**

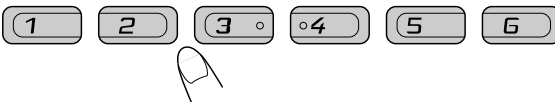


Select one of twenty-nine PTY codes. (See the table on page 14.)

Selected code name appears on the display.

- If the code already stored in memory is selected, it will flash on the display.

**4**



Press and hold the number button for more than 2 seconds to store the PTY code selected into the preset number you want.

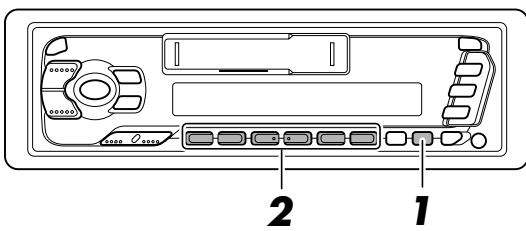
The selected code name will flash on the display.

**5**



Finish setting.

## To search your favorite programme type

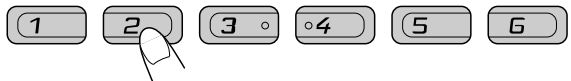


Press and hold PTY for more than 1 second while listening to an FM station.

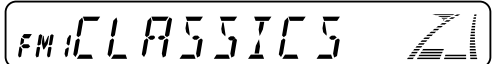
The last selected PTY code appears.



**2**



Select one of the PTY codes stored in the preset number buttons (1 – 6).



Ex. When "CLASSICS" is stored in the preset number button 2

PTY search for your favorite programme starts after 5 seconds.

- If there is a station broadcasting a programme of the same PTY code you selected, that station is tuned in.
- If there is no station broadcasting a programme of the same PTY code you selected, the station will not change.

**Note:**  
*In some areas, the PTY search will not work correctly.*



## PTY codes

NEWS:	News	SOCIAL:	Programmes on social activities
AFFAIRS:	Topical programmes expanding on current news or affairs	RELIGION:	Programmes dealing with any aspect of belief or faith, or the nature of existence or ethics
INFO:	Programmes which impart advice on a wide variety of topics	PHONE IN:	Programmes where people can express their views either by phone or in a public forum
SPORT:	Sport events	TRAVEL:	Programmes about travel destinations, package tours, and travel ideas and opportunities
EDUCATE:	Educational programmes	LEISURE:	Programmes concerned with recreational activities such as gardening, cooking, fishing, etc.
DRAMA:	Radio plays	JAZZ:	Jazz music
CULTURE:	Programmes on national or regional culture	COUNTRY:	Country music
SCIENCE:	Programmes on natural science and technology	NATION M:	Current popular music from another nation or region, in that country's language
VARIED:	Other programmes like comedies or ceremonies	OLDIES:	Classic pop music
POP M:	Pop music	FOLK M:	Folk music
ROCK M:	Rock music	DOCUMENT:	Programmes dealing with factual matters, presented in an investigative style
EASY M:	Easy-listening music		
LIGHT M:	Light music		
CLASSICS:	Classical music		
OTHER M:	Other music		
WEATHER:	Weather information		
FINANCE:	Reports on commerce, trading, the Stock Market, etc.		
CHILDREN:	Entertainment programmes for children		

## Other convenient RDS functions

### ***Automatic selection of the station when using the number buttons***

Usually when you press the number button, the preset station is tuned in. However, when the preset station is an RDS station, something different will happen. If the signals from that preset station are not sufficient for good reception, this unit starts searching another station broadcasting the same programme as the original preset station is broadcasting, then if any station broadcasting the same programme is found, the station will be tuned in.

## Changing the display mode while listening to an FM station

You can change the initial indication on the display to station frequency, station name (PS), or clock time while listening to an FM RDS station.

- See also “Changing the general settings” on page 23.

1. Press and hold SEL (select) for more than 2 seconds to call up the general settings mode.
2. Select “DISPMODE” with **▲ ►►** or **◄◄ ▼**.
3. Use the +/- button to select the desired indication from the following: PS name (station name), FREQ (station frequency), and CLOCK (clock time).

### Note:

*By pressing DISP, you can also change the display while listening to an FM RDS station. Each time you press the button, the display changes to show the following.*

→ **Station name** → **Frequency** → **PTY (Programme type)** → **Clock time**

*\* The display returns to the initially preset mode after a short while.*

## Setting the TA volume level

You can preset the volume level for TA Standby Reception. When a traffic programme is received, the volume level automatically changes to the preset level.

- See also “Changing the general settings” on page 23.

1. Press and hold SEL (select) for more than 2 seconds to call up the general settings mode.
2. Select “TA VOL” with **▲ ►►** or **◄◄ ▼**.
3. Set to the desired volume level with the +/- button.

## Automatic clock adjustment

When shipped from the factory, the clock built in this unit is set to be readjusted automatically using the CT (Clock Time) data in the RDS signal.

If you do not want to use automatic clock adjustment, follow the procedure below.

- See also “Changing the general settings” on page 23.

1. Press and hold SEL (select) for more than 2 seconds to call up the general settings mode.
2. Select “AUTO ADJ” with **▲ ►►** or **◄◄ ▼**.
3. Select “ADJ OFF” by pressing the – button.  
Now automatic clock adjustment is cancelled.

**To reactivate clock adjustment,** repeat the same procedure and select “ADJ ON” in step 3 by pressing the + button.

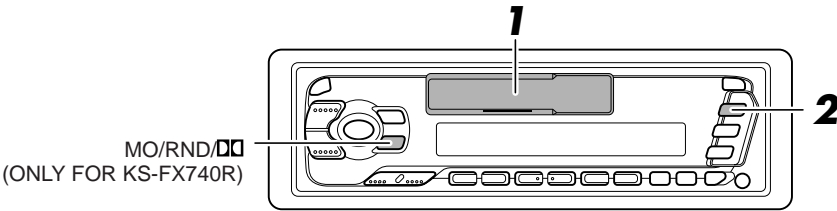
### Note:

*It takes about 2 minutes to adjust the time using the CT data. So, you must tune to the station for more than 2 minutes continuously; otherwise, the clock time will not be adjusted.*

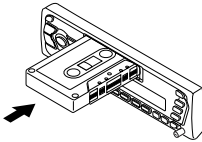


# TAPE OPERATIONS

## Listening to a tape



1



### Insert a cassette.

The unit turns on and tape play starts automatically. When one side of the tape reaches its end during play, the other side of the tape automatically starts playing. (Auto Reverse)

#### Note on One-Touch Operation:

When a cassette is already in the cassette compartment, pressing **TAPE** ◀ ▶ turns on the unit and starts tape play automatically.

2



### Select the tape direction.

Each time you press the button, the tape direction changes alternately – forward (**TAPE** >>>) and reverse (**TAPE** <<<).

### To play back tapes recorded with the Dolby NR (ONLY FOR KS-FX740R)

Press the **MO/RND/□□** button to set the Dolby B NR\* system as required in step 2 above. The □□ mark appears on the display. To cancel the Dolby B NR, press the same button again.

\* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

“DOLBY” and the double-D symbol □□ are trademarks of Dolby Laboratories Licensing Corporation.

### To stop play and eject the cassette

Press **▲**.

Tape play stops and the cassette automatically ejects from the cassette compartment.

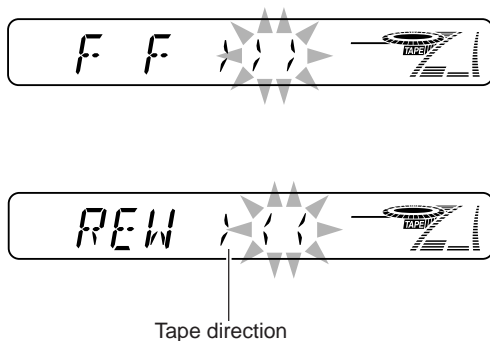
If you change the source to FM/AM (or CD for KS-FX740R/FX640R), the tape play also stops (without ejecting the cassette this time).

• You can also eject the tape with the unit turned off.



## To fast-forward and rewind a tape

- Press **▲▶▶** for more than 1 second to fast-forward the tape.  
When the tape reaches its end, the tape is reversed and playback starts from the beginning of the other side.
- Press **◀◀▼** for more than 1 second to rewind the tape.  
When the tape reaches its end, playback of the same side starts.



To stop fast-forward and rewind at any position on the tape, press **TAPE ◀▶**.  
Tape play starts from that position on the tape.

## Prohibiting tape ejection

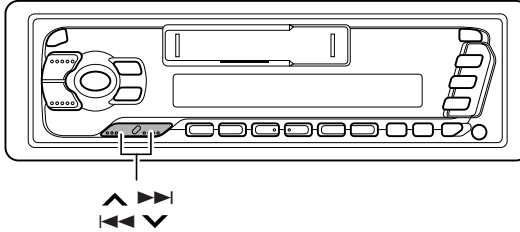
You can prohibit the tape ejection and can “lock” a tape in the cassette compartment. Press and hold **TAPE ◀▶** and **▲** for more than 2 seconds. “EJECT” flashes on the display for about 5 seconds, and the tape is “locked.”

To cancel the prohibition and “unlock” the tape, press and hold **TAPE ◀▶** and **▲** for more than 2 seconds again. “EJECT” flashes again for about 5 seconds, and this time the tape is “unlocked.”

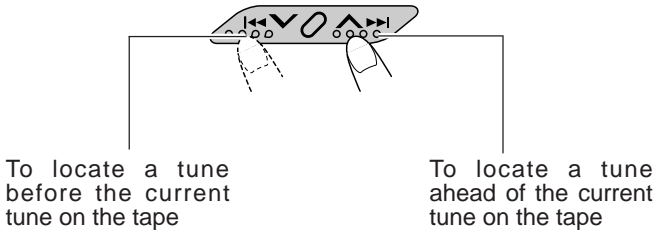


## Finding the beginning of a tune

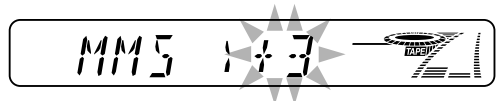
Multi Music Scan allows you to automatically start playback from the beginning of a specified tune. You can specify up to 9 tunes ahead of or before the current tune.



### During playback



Specify how many tunes ahead of or before the current tune the tune you want is located.



Each time you set the tune, the number changes up to  $\pm 9$ .

When the beginning of the specified tune is located, playback starts automatically.

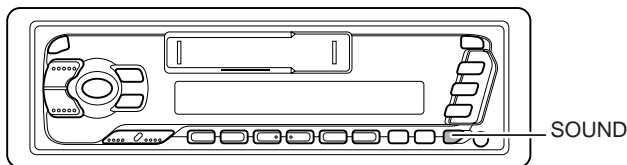
### Notes:

- *While locating a specified tune:*
  - If the tape is rewound to its beginning, playback starts from the beginning of that side.
  - If the tape is fast forwarded to the end, it is reversed and played from the beginning of the other side.
- *In the following cases, the Multi Music Scan function may not operate correctly:*
  - Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portions between tunes.
  - Tapes with short non-recorded sections.
  - Tapes with high level of noise or humming between tunes.
  - The Dolby NR setting does not match. For example, if Dolby B NR is on and the tape was recorded with no Dolby NR.

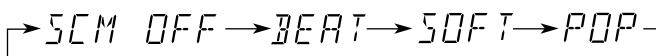


## Selecting preset sound modes

You can select a preset sound adjustment suitable to the music genre.



Each time you press SOUND, the sound mode changes as follows:



Indication	For:	Preset values		
		Bass	Treble	Loudness
SCM OFF	(Flat sound)	00	00	On
BEAT	Rock or disco music	+2	00	On
SOFT	Quiet background music	+1	-3	Off
POP	Light music	+4	+1	Off

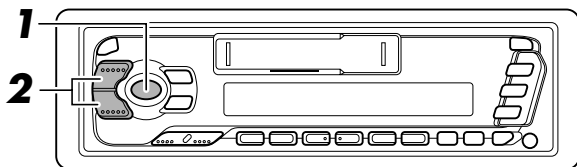
### Notes:

- You can adjust the preset sound mode to your preference, and store it in memory.  
If you want to adjust and store your original sound mode, see “Storing your own sound adjustments” on page 21.
- To adjust only the bass and treble reinforcement levels to your preference, see “Adjusting the sound” on page 20.



## Adjusting the sound

You can adjust the sound characteristics to your preference.



# 1



Select the item you want to adjust.

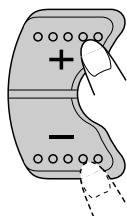
→ **BAS** → **TRE** → **FAD** → **BAL** → **LOUD** → **VOL** →

Indication	To do:	Range
BAS (Bass)	Adjust the bass	-6 (min.) — +6 (max.)
TRE (Treble)	Adjust the treble	-6 (min.) — +6 (max.)
FAD (Fader)*	Adjust the front and rear speaker balance	R6 (rear only) — F6 (front only)
BAL (Balance)	Adjust the left and right speaker balance	L6 (left only) — R6 (right only)
LOUD (Loudness)	Boost low and high frequencies to produce a well-balanced sound at low volume level.	ON — OFF
VOL (Volume)	Adjust the volume	00 (min.) — 50 (max.)

### Note:

\* If you are using a two-speaker system, set the fader level to “00”.

# 2



## Adjust the level.

Press the + button to increase the level or turn on the loudness function, and the – button to decrease the level or turn off the loudness function.

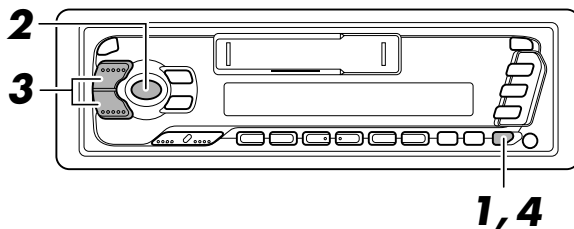
### Note:


Normally the + and – buttons work as the volume control buttons. So you do not have to select “VOL” to adjust the volume level.




## Storing your own sound adjustments

You can adjust the sound modes (BEAT, SOFT, POP: see page 19) to your preference and store your own adjustments in memory.

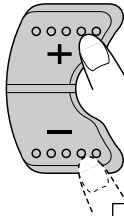


- 


Call up the sound mode you want to adjust.  
See page 19 for details.

**Within 5 seconds**
- 

Select “BAS (Bass),” “TRE (Treble)” or “LOUD (Loudness).”

**Within 5 seconds**
- 

Adjust the bass or treble level or turn the loudness function ON/OFF.  
See page 20 for details.

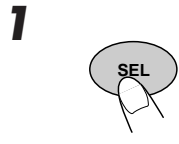
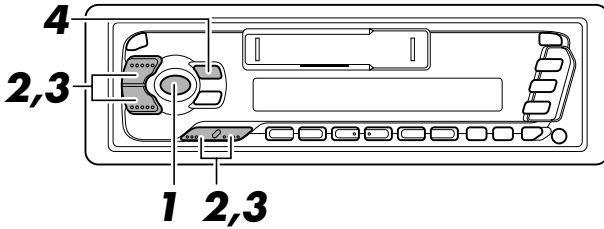
**Within 5 seconds**
- 

Press and hold SOUND until the sound control mode you selected flashes on the display.  
Your setting is stored in memory.
- Repeat the same procedure to store other settings.

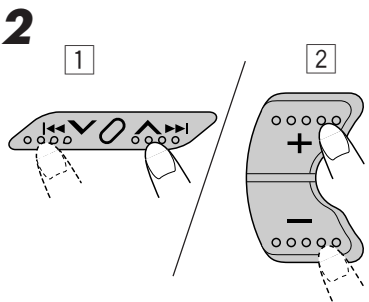
### To reset to the factory settings

Repeat the same procedure and reassign the preset values listed in the table on page 19.

## Setting the clock

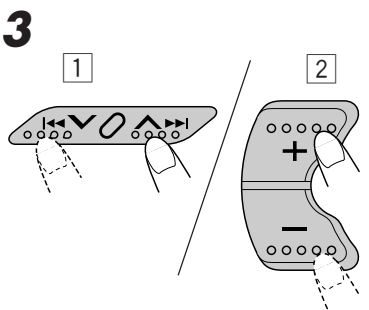


Press and hold SEL for more than 2 seconds to call up the general settings mode.



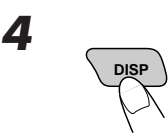
Set the hour.

- 1 Select "CLOCK H" if not shown on the display.
- 2 Adjust the hour.



Set the minute.

- 1 Select "CLOCK M."
- 2 Adjust the minute.



Start the clock.

## To check the current clock time (changing the display mode)

Press DISP repeatedly. Each time you press the button, the display mode changes as follows.

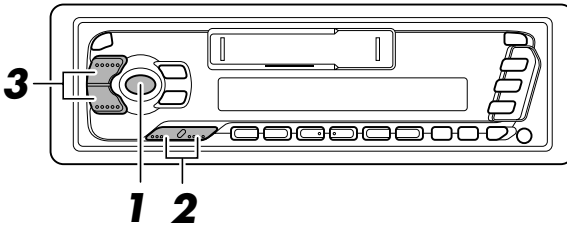
<p><b>During tuner operation:</b></p> <p>Frequency ↔ Clock</p> <p>(See page 15 when RDS is on.)</p>	<p><b>During tape operation:</b></p> <p>Play mode ↔ Clock</p>	<p><b>ONLY FOR KS-FX740R/ FX640R</b></p> <p><b>During CD changer operation:</b></p> <p>Disc number → Clock → Elapsed playing time</p>
---	---	---


- If the unit is not in use when you press DISP, the power turns on, the clock time is shown for 5 seconds, then the power turns off.

## Changing the general settings

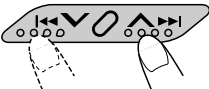
You can change the settings of the items listed on the next page.

### Basic Procedure

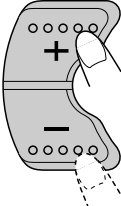


- 

Press and hold SEL for more than 2 seconds to call up the general settings mode.

- 

Select the item you want to adjust.

- 

Select or adjust the item.

<b>1</b>	<b>2</b> Select.	<b>3</b> Set.		Factory- preset settings	See page	
CLOCK H	Hour adjustment	Back	Advance	0:00	22	
CLOCK M	Minute adjustment	Back	Advance			
24H/12H	24/12-hour time display	12H	24H	24H	below	
AUTO ADJ	Automatic setting of the clock	ADJ OFF	ADJ ON	ADJ ON	15	
DISPMODE	Display mode	PS NAME ↔ FREQ ↕       ↕ CLOCK ↔		PS NAME	15	
CH DISP	Changer display (ONLY FOR KS-FX740R/FX640R)	TIME	DISC	DISC	below	
PTY STBY	PTY stanby	29 programme types (see page 14)			NEWS	11
PTY SRCH	PTY search				See page 11	11–13
TR VOL	Traffic announcement volume	VOL (00–50)	VOL (00–50)	VOL (20)	10,15	
LEVEL	Level display (ONLY FOR KS-FX740R/FX640R)	OFF (volume)	AUDIO (signal)	AUDIO	below	

• Press SEL when you have finished setting to return to the previous mode.

## To select 24-hour or 12-hour clock

You can change the clock built in this unit either to 24-hour system or 12-hour system.

Select “24H” or “12H” using the +/- button in step 3 of the Basic Procedure on page 23.

## To select the level display (ONLY FOR KS-FX740R/FX640R)

You can select the level display according to your preference. When shipped from the factory, the level indicator on the display shows the audio level setting.

Select “AUDIO” or “OFF” using the +/- button in step 3 of the Basic Procedure on page 23.

## To select the display mode while using the CD changer (ONLY FOR KS-FX740R/FX640R)

You can change the initial indication on the display either to disc number or to elapsed playing time, while using the CD changer.

Select “DISC” or “TIME” using the +/- button in step 3 of the Basic Procedure on page 23.

## Detaching the control panel

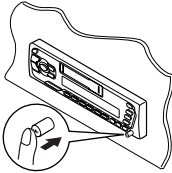
You can detach the control panel when leaving the car.

When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

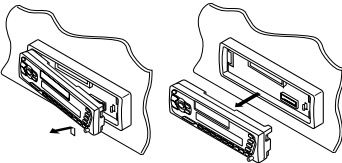
### How to detach the control panel

Before detaching the control panel, be sure to turn off the power.

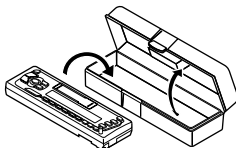
- 1 Unlock the control panel.



- 2 Lift and pull the control panel out of the unit.

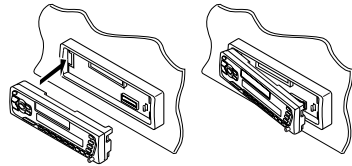


- 3 Put the detached control panel into the provided case.

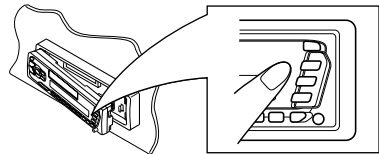


### How to attach the control panel

- 1 Insert the left side of the control panel into the groove on the panel holder.



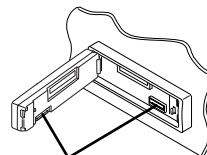
- 2 Press the right side of the control panel to fix it to the panel holder.



#### Note on cleaning the connectors:

*If you frequently detach the control panel, the connectors will deteriorate.*

*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



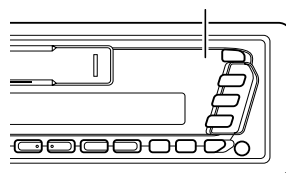
# REMOTE OPERATIONS

This section is **ONLY FOR KS-FX740R**

Before using the remote controller:

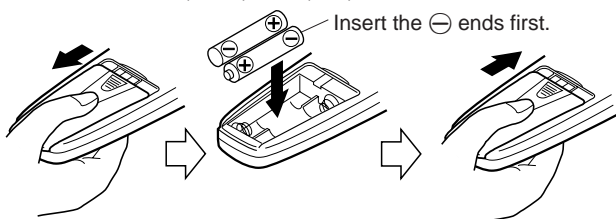
- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).

Remote sensor



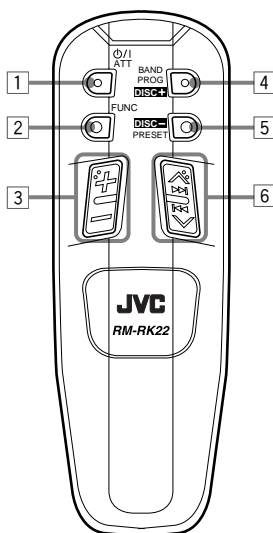
## Installing the batteries

R03 (UM-4)/AAA (24F)



If the remote controller does not operate well, replace the batteries —R03 (UM-4)/AAA (24F).

## Using the remote controller



- 1 Functions the same as the  $\Phi$ /I/ATT button on the main unit.
- 2 Select the source. Each time you press FUNC (function), the source changes.
- 3 Functions the same as the +/- buttons on the main unit.
  - Does not function for the general setting mode adjustments.
- 4
  - Functions as the BAND button while listening to the radio. Each time you press this button, the band changes.
  - While listening to the CD changer, each time you press the button, the disc number increases and the selected disc starts playing.
  - Functions as the PROG button while listening to a tape.
- 5
  - While listening to the radio, each time you press the button the preset station number increases, and the selected station is tuned in.
  - While listening to the CD changer, each time you press the button the disc number decreases, and the selected disc starts playing.
- 6
  - Functions as the station searching buttons while listening to the radio.
  - Functions as the fast-forward or rewind buttons or Multi Music Scan buttons while listening to a tape.
  - Functions as the fast-forward or reverse buttons or track selecting buttons while listening to the CD changer.

# CD CHANGER OPERATIONS

This section is **ONLY FOR KS-FX740R/FX640R**.

We recommend that you use one of the CH-X series (ex: CH-X1200) with your unit.

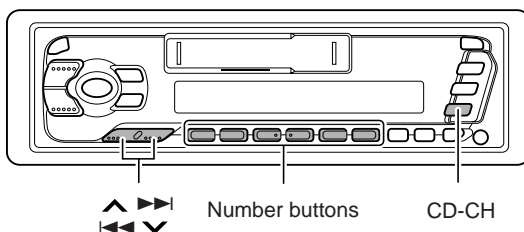
If you have another CD automatic changer, consult your JVC IN CAR ENTERTAINMENT for connections.

- For example, if your CD automatic changer is one of the KD-MK series, you need a cord (KS-U15K) for connecting it to this unit.

Before operating your CD automatic changer:

- Refer also to the Instructions supplied with your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, "NO CD" or "NO DISC" will appear on the display. If this happens, remove the magazine and set the discs correctly.
- If "RESET 1 - RESET 8" appears on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection, connect the connecting cord(s) firmly if necessary, then press the reset button of the CD changer.

## Playing CDs



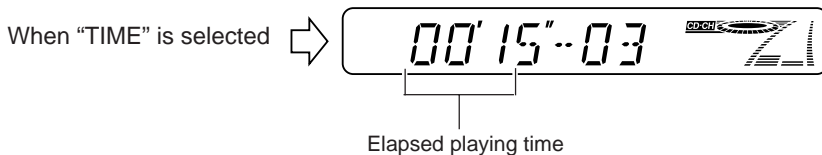
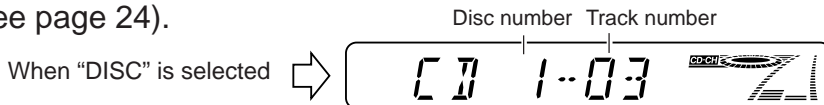
Select the CD automatic changer.

Playback starts from the first track of the first disc.


All tracks of all discs in the magazine are played back.



- "DISC" or "TIME" can be selected in the general settings mode (See page 24).

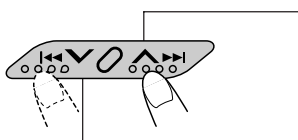


### Note on One-Touch Operation:

When you press CD-CH, the power automatically turns on. You do not have to press /ATT to turn on the power.



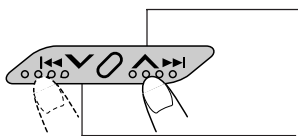
## To fast-forward or reverse the track



Press and hold **▲▶▶**, while playing a CD, to fast-forward the track.

Press and hold **◀◀▼**, while playing a CD, to reverse the track.

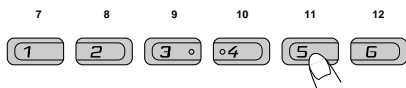
## To go to the next track or the previous track



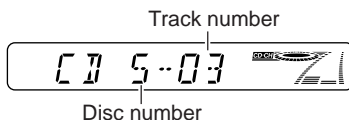
Press **▲▶▶** briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button, the beginning of the next track is located and played back.

Press **◀◀▼** briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button, the beginning of the previous track is located and played back.

## To go to a particular disc directly using the number button



Ex. When disc number 5 is selected



Press the number button corresponding to the disc number to play back the tune you want.

- To select a disc number from 1 – 6:  
Press 1 (7) – 6 (12) briefly.
- To select a disc number from 7 – 12:  
Press and hold 1 (7) – 6 (12) for more than 1 second.

## Selecting CD playback modes

### To play back tracks at random (Random Play)

KS-FX740R



Each time you press **MO/RND** (for KS-FX740R) or **MO/RND** (for KS-FX640R) while playing a CD, CD random play mode changes as follows:

KS-FX640R

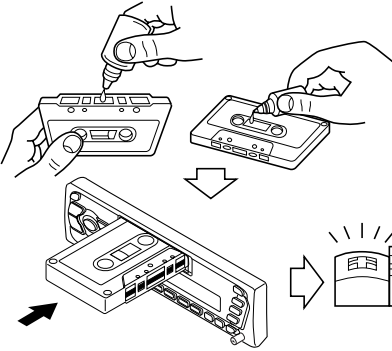


Mode	RND Indicator	Plays at random
RND1	Lights	All tracks of the current disc, then the tracks of the next disc, and so on.
RND2	Flashes	All tracks of all discs inserted in the magazine.

## To extend the lifetime of the unit

This unit requires very little attention, but you will be able to extend the life of the unit if you follow the instructions below.

### To clean the heads

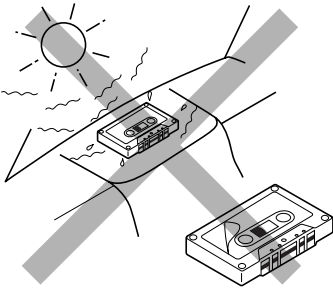


- Clean the heads after every 10 hours of use using a wet-type head cleaning tape (available at an audio store).

When the head becomes dirty, you may realize the following symptoms:

- Sound quality is reduced.
- Sound level decreases.
- Sound drops out.
- Do not play dirty or dusty tapes.
- Do not touch the highly-polished head with any metallic or magnetic tools.

### To keep the tape clean



- Always store the tapes to their storage cases after use.
- Do not store tapes in the following places:
  - Subject to direct sunlight
  - With high humidity
  - At extremely hot temperatures

### CAUTIONS:

- Do not play the tapes with peeling labels; otherwise, they can damage the unit.
- Tighten tapes to remove slack since loose tape may become entangled with the mechanism.
- Do not leave a cassette in the cassette compartment after use, as the tape may become slack.

The function below is also provided to ensure the longer life of this unit.

### Ignition key-off Release/Ignition key-on play

- When you turn off the ignition key with a cassette in the compartment, the unit automatically releases the tape from its head.
- When you turn on the ignition key with a cassette in the compartment, playback automatically starts.



# TROUBLESHOOTING

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

Symptoms	Causes	Remedies
• A cassette tape cannot be inserted.	You have tried to insert a cassette in the wrong way.	Insert the cassette with the exposed tape facing right.
• Cassette tapes become hot.	This is not a malfunction.	_____
• Tape sound is at very low level and sound quality is degraded.	The tape head is dirty.	Clean it with a head cleaning tape.
• Sound is sometimes interrupted.	Connections are not good.	Check the cords and connections.
• Sound cannot be heard from the speakers.	The volume control is turned to the minimum level.	Adjust it to the optimum level.
	Connections are incorrect.	Check the cords and connections.
• SSM (Strong-station Sequential Memory) automatic preset does not work.	Signals are too weak.	Store stations manually.
• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
• “NO CD” or “NO DISC” appears on the display.	No CD is in the magazine.	Insert CDs into the magazine.
	CDs are inserted incorrectly.	Insert them correctly.
• “RESET 8” appears on the display.	This unit is not connected to a CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
• “RESET 1-RESET 7” appears on the display.	_____	Press the reset button of the CD changer.
• The unit does not work at all.	The built-in microcomputer may function incorrectly due to noise, etc.	While holding SEL, press <b>⏻/ATT</b> for more than 2 seconds to reset the unit. (The clock setting and preset stations stored in memory are erased.)

# SPECIFICATIONS

## AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 40 watts per channel

Rear: 40 watts per channel

Continuous Power Output (RMS):

Front: 16 watts per channel into 4 $\Omega$ , 40 to 20,000 Hz at no more than 0.8% total harmonic distortion.

Rear: 16 watts per channel into 4 $\Omega$ , 40 to 20,000 Hz at no more than 0.8% total harmonic distortion.

Load Impedance: 4 $\Omega$  (4 to 8 $\Omega$  allowance)

Tone Control Range

Bass:  $\pm$ 10 dB at 100 Hz

Treble:  $\pm$ 10 dB at 10 kHz

Frequency Response: 40 to 20,000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance:

KS-FX740R/FX640R: 2.0 V/20 k $\Omega$  load

KS-F540R: 1.0 V/20 k $\Omega$  load

## TUNER SECTION

Frequency Range

FM: 87.5 to 108.0 MHz

AM: (MW) 522 to 1,620 kHz

(LW) 144 to 279 kHz

### [FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0  $\mu$ V/75 $\Omega$ )

50 dB Quieting Sensitivity:

16.3 dBf (1.8  $\mu$ V/75 $\Omega$ )

Alternate Channel Selectivity (400 kHz):

65 dB

Frequency Response: 40 to 15,000 Hz

Stereo Separation: 30 dB

Capture Ratio: 1.5 dB

### [MW Tuner]

Sensitivity: 20  $\mu$ V

Selectivity: 35 dB

### [LW Tuner]

Sensitivity: 50  $\mu$ V

## CASSETTE DECK SECTION

Wow & Flutter: 0.11% (WRMS)

Fast-Wind Time: 100 sec. (C-60)

Frequency Response (Dolby NR-OFF):

30 to 16,000 Hz (Normal tape)

Signal-to-Noise Ratio: (Normal tape)

(Dolby NR-ON): 65 dB (ONLY FOR KS-FX740R)

(Dolby NR-OFF): 56 dB

Stereo Separation: 40 dB

## GENERAL

Power Requirement

Operating Voltage: DC 14.4 volts (11 to 16 volts allowance)

Grounding System: Negative ground

Allowable working temperature:

0  $^{\circ}$ C to +40  $^{\circ}$ C

Dimensions (W x H x D)

Installation Size: 182 x 52 x 150 mm

Panel Size: 188 x 58 x 14 mm

Mass: 1,4 kg (excluding accessories)

*Design and specifications subject to change without notice.*



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