

HandyStar



 KORI TECH CO., LTD.

<http://www.koritech.co.kr>

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CAUTIONS IN USE

Cautions in Use

- ① Please turn on the TV before connecting the MIC to the TV/Video outlet because static electricity might cause trouble in MIC.
- ② If the product is not working after pressing ON button, please wait more than 5 seconds and try again.
- ③ **To insert or eject SD card, please make sure power is out.**
- ④ To connect the connector to main body, please make sure power is out.
- ⑤ If any trouble is occurred with sound of MIC, please check set up status. Or reset MIC settings.
 - Press ⑨ button and power button at the same time for default setting.
 - Pressing power button and ① button at the same time, the systems for TV in the MIC will be changed into "NTSC". (Press power button first)
 - Pressing power button and ② button at the same time, the systems for TV in the MIC will be changed into "PAL". (Press power button first)
- ⑥ Power is turned off 10 minutes later the  sign is indicated. If low battery sign is indicated as you turn on the product, the product will be turned off simultaneously.
- ⑦ A/V Cable connection: To connect the cable to the main body, push it in firmly with indication surface (▲ TOP ▲) facing up until you hear the "Click" sound. To remove the cable from the main body, pull it back pressing the removing button on right and left side of the connector.
 - Do not exert extreme pressure in connecting procedure.
 - Be careful not to soil the contact part of the connector.

CAUTION

- Do not disassemble the product.
 - Please use only provided adaptor with the product.
 - This product is authorized by Korea Music Copyright Association.
- For any further business use of the product for profit other than private use, additional authorization is needed from Korea Music Copyright Association.
- **Abrupt disconnection of USB cable during PC use may deliver possible damage to MIC.**



SAFETY CAUTIONS

To prevent any possible dangers and damages, please read the manual first and follow in a right manner before use.

About Diagrams

- For safe and right use of the product and preventing any possible dangers and damages, explanations are provided with detailed diagrams.
Please comprehend thoroughly before further progression.

Safety Cautions

	Warning This sign indicates serious possible injuries and even death. Please be aware.
	Attention This sign indicates possible injuries including physical damages.

Examples of the signs

	△ This sign indicates cautious messages (including warning and attention). In diagrams, detailed cautious messages (Attention for excessive heat in case of the left sign) are described.
	⊘ This sign indicates prohibiting behavior. In diagrams, detailed cautious messages (Do not disassemble in case of the left sign) are described.
	● This sign indicates the compulsive behavior. In diagrams, detailed cautious messages (Plug separation) are described.

Signification of diagram signs.

	■ Never try it.
	■ Never disassemble the products including uneducated repair.
	■ Do not touch.
	■ Do not use in water.
	■ Please follow instruction.
	■ Please remove the power line plug from electric outlet.
	■ Be aware of excessive heat.
	■ Be aware of explosion.

SAFETY CAUTIONS (Warning)

Safety Cautions

Unplug the power line and prohibit further use when main body and power line are working abnormally (Occurrence of smoke, excessive heat, burning odor).

- 



- Further use with an ignorance of such behavior causes a fire and an electric shock. Since uneducated repairing may cause a dangerous problem, please contact product-purchased store for safe repair.

Do not wet the product.

- 



- Be careful to use the product around the beach or seaside and wet circumstances such as rainy or snowy weather. (Do not use it around windows)
- Do not use in the bathrooms.
- Wetting the product will cause a fire, an electric shock and a breakdown.

Do not place any moist containers around the product. (Flower base, flowerpot, cup, cosmetics, medications and etc.)

- 



- Permeance of water into the product will cause a fire and an electric shock.

Do not damage the power line. Do not heat, pull, cut, twist and bend. No modification allowed. Do not place heavy materials on the product.

- 



- With further use cause a fire and an electric shock.

Remove the dirt on the power line plug.

- 



- With failure of disconnection, it may cause a fire and an electric shock.
- Please wipe out with dry fabrics when removing the dirt or impurities.

Do not touch the antenna line and power line plug in lightning weather.

- 



- In lightning weather, an electric shock may occur due to induced thunderbolt.

With infiltration of any impurities and water into the product, turn off the product and remove the power plug from the electric outlet.

- 



- With further use, it may cause an electric shock. Please contact product-purchased store.
- Extra care is needed with children.

Do not allow any voltages other than authorized power voltage (100V).

- 



- Further use other than authorized power voltage (100V) will cause a fire, an electric shock and breakdown.
- Make sure to check voltage before plug-in the power line.

Do not insert any alien substance in connection opening (MIC, cartridge connection).

- 



- Insertion of metals and combustible materials will cause a fire and an electric shock.
- Extra care is needed with children.

Proper use of power line code is required. Do not tie up. Do not use multi-outlet. Do not staple.

- 



- Tying up and using of staple will cause a fire due to the disconnection of the wire.
- Multi-outlet connection will cause a fire and breakdown.

Put in the plug power line firmly, do not use loose one.

- 



- Improper plug-in will cause a fire, an electronic shock and breakdown.
- Regular inspection is required.

In case of damaging of the main body, remove the plug from the power outlet.

- 



- With further use, it may cause a fire, an electric shock. Please contact product-purchased store.

Do not modify or disassemble the main body.

- 



- Do not open the case, cabinet and cover of the back. It may cause an electric shock.
- Please contact product-purchased store for check, adjustment and repair of the interior.

Do not insert or remove power line plug with wet hands. Do not apply liquid.

- 



- Since water conducts electricity, an electric shock may occur.
- Please handle with dry hands.

Do not leave power line plug without care. Do not use in high temperature and humidity.

- 



- Keep away from infants to prevent an electric shock.
- Do not use it near electric heat devices or sauna. It may cause a fire and an electric shock.

SAFETY CAUTIONS (Warning)

Do not place the product in following places.

- Places with abundant moisture and dirt including oily smoke and steam
- Places near the heating devices and a direct ray of light.
- Places with an ill ventilation and high temperature such as inside of a car



- Excessive heat will cause a deformity, a fire, an electric shock and breakdown

Do not pull the power line.



- Pulling out the plug, grasp the plug not pulling the power line (wire). Any damage to the power line (wire) may cause a fire and an electric shock.

Do not drag power line on the ground.



- Do not drag through the door to other rooms.
- Damaged wire inside of the power line will be burned and it may cause a fire.

When you keep it, pull out the power line.



- For safety, please pull out the plug from the electricity outlet.

Be careful with damages from salt water and seawater.



- For seashore residents, be careful with damages from salt water, seawater, around the windows.

Do not apply detergents and insecticides on the power line plug.



- It may cause smoke and ignition of fire

Do not place heavy materials on the product.



- It may cause physical injuries by breaking product's balance.
- Extra care is needed with children.

For following cases, pull out the plug from the power line.

- For a long time leave
- For trips or vacations.



- Please pull out the plug from the power line for safety.

Do not place power line near heating devices.



- Covering of the power line may melt to cause a fire and an electric shock.

Warnings for battery handlings.

- Do not make a short-circuit. Do not disassemble or heat. Do not put it in fire



- Dangers such as explosion may occur

Safety Cautions



PRODUCT INFORMATION

1. Basic features

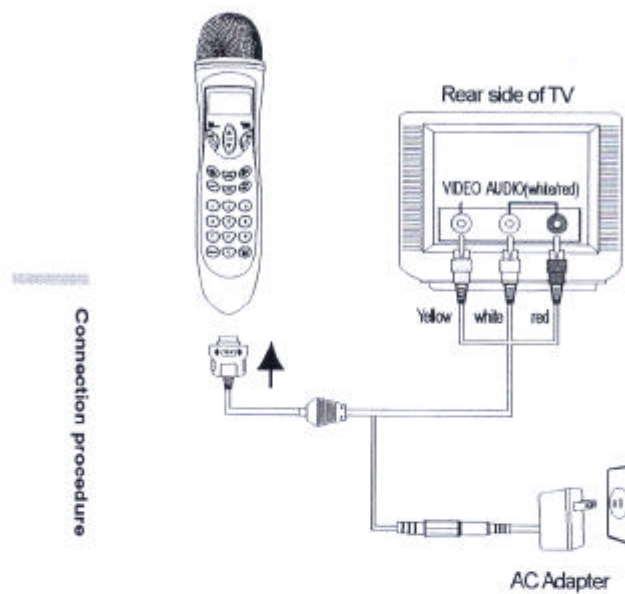
Make sure to have all basic materials as follows.

Product Information

	
MICROPHONE	AV CABLE
	
AC ADAPTER	USB CABLE
	
MANUAL and SONG BOOK	ANTENNA

CONNECTION PROCEDURE

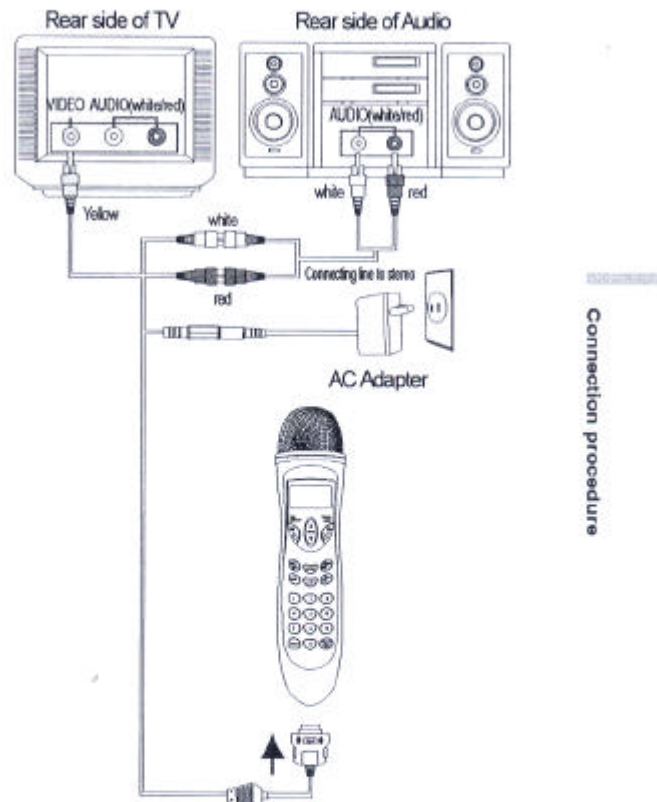
1. Connecting procedure to TV



1. Connect AV cable's video connection (yellow) and audio connection (white or red) to TV's AV connection.
2. Connect connection (black) from AV cable to adapter and connect connector with the bottom of the MIC.
3. Turn on the TV, and set up the channel with video that provides proper image.
4. Turn on the MIC's power.

CONNECTION PROCEDURE

2. Connecting procedure to TV and audio



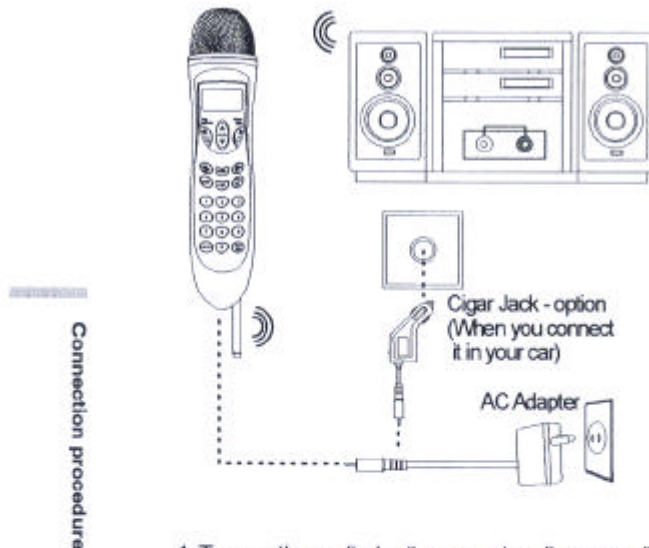
Connection to audio is possible with normal connecting lines.

T I P

If an audio provides LINE IN or AUX connection, better quality of sound can be enjoyed by connecting to AV cable's audio connection.

CONNECTION PROCEDURE

3. FM radio connection procedure



1. Turn on the audio (radio, normal audio, car audio)
2. Connect provided antenna to MIC's antenna connection.
3. Turn on MIC's power.
4. Set FM function as ON in the menu (FM frequency range: 104MHz ~ 108MHz)
5. After entering the FM frequency set up, make FM frequency and audio frequency identical.
6. Select desired song to sing by pressing the numbers or  button.
7. Song will be played by pressing the  button.

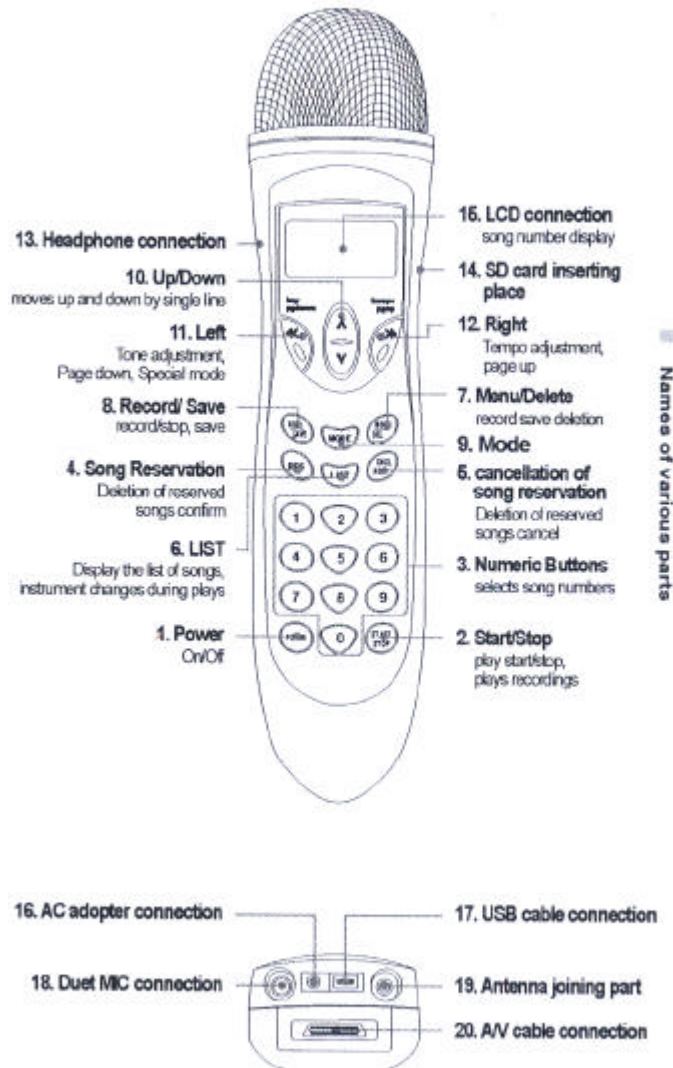
WARNING

Broadcasting frequency may hinder the quality of the sound. Please set up non-broadcasting frequencies.



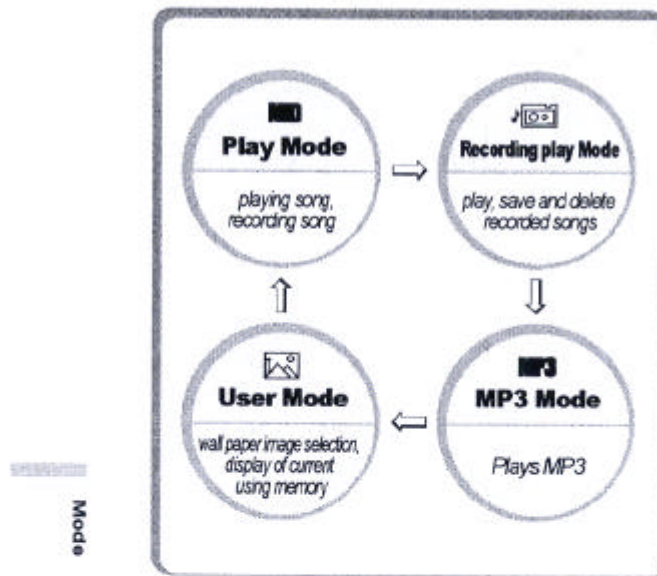
NAMES OF VARIOUS PARTS

1. Names of various parts and functions



MODE

If you press  button, icons of every mode appear on the right side of the screen.



* When connecting USB cable with mic a pc, mic becomes USB mode automatically. (Don't connect adapter with mic)



MODE

1. Play mode (■)

In this mode, user can sing starting with playing.
Also, singing and playing can be recorded with high quality.

2. Recording play mode (■)

It provides functions of play, save and delete of recorded materials.

3. MP3 mode (■)

It plays downloaded MP3 music.

4. User mode (■)

It allows the users to select the graphic file for screen wallpaper, and displays current use of memory.

Mode

5. USB mode

In USB mode, desired files can be saved and deleted in MIC by connecting to PC.
Power is applied through USB cable. After cable is connected, USB mode will be automatically set up as you turn on the power. Other buttons will not function.
Data of MIC will be damaged if USB cable is pulled out during PC communication.

T I P

If mode is changed to another, all reserved songs will be deleted.



BUTTON EXPLANATION

1. Power (⏻)

- 1) Press ⏻ button for 2~3 seconds to turn on.
- 2) Another 2~3 seconds of gentle push of the ⏻ button will turn off the product.

2. Start/Stop (⏮)

- 1) In stop mode, it starts playing.
- 2) In play mode, it stops playing.

3. Numbers (1~9)

In play mode, each button can select song number.

4. Reservation (⏸)

- 1) Selected songs will be reserved.
Maximum of 32 songs can be reserved.
- 2) After recording, it is used as confirmation button in deletion of saved files. (Please refer to page 20)

5. Reservation Cancellation (⏹)

- 1) Reserved songs are cancelled. Cancellation is only possible when reserved song number and selected number is identical.
- 2) After recording, it is used as confirmation button in deletion of saved files. (Please refer to page 20)

6. LIST (📜)

- 1) While playing selected song, it allows selection of instrument change.
- 2) While song is not playing, pressing 📜 button displays the list of songs.
- 3) To end the list function, just press the 📜 button once again. (Refer to page 17, Song selection-List)

Button Explanation

BUTTON EXPLANATION

7. Mode (☺)

Pressing ☺ button each time, mode changes from play mode to recording play mode, MP3 mode, and user mode.

8. Record / save (☺)

- 1) In play mode, Pressing ☺ button starts recording.
- 2) While recording, pressing ☺ button once again stops recording.
- 3) Recorded file can be saved (Please refer to page 20, "Save and deletion of recorded file")

9. Menu / Delete (☺)

- 1) ☺ button allows selection of menu contents.
(Please refer to page 24, "menu")
- 2) In recording play mode, button is used to delete files.
(Please refer to the page 20, recorded file's save and deletion)

10. Up (⬆)

- 1) Menu contents' values can be adjusted.
- 2) Previous song number of the selected one can be chosen.
- 3) In LIST mode, the button allows move to previous one. (Please refer to page 17, "Selection-LIST")

11. Down (⬆)

- 1) Menu contents' values can be adjusted
- 2) Next song number of the selected one can be chosen.
- 3) In LIST mode, the button allows move to next one.
(Please refer to page 17, "Selection-LIST")

Button Explanation

BUTTON EXPLANATION

12. Left (←)

- 1) Using it in selection of menu.
- 2) Pressing it while music is playing, the tone is adjusted.
- 3) Pressing it while music is playing, it moves to "Special mode instrumental". (Please refer to page 19, "Special mode instrumental").
- 4) In LIST, it changes to previous page (7 songs)

13. Right (→)

- 1) Using it in selection of menu.
- 2) Pressing it while music is playing, the tempo is adjusted.
- 3) In LIST, it changes to next page (7 songs)

14. USB cable connection

- 1) When power is turned off, connect USB cable and turn on the power.
Run a provided program. (Program download - please visit site to download. <http://www.koritech.co.kr>.)
- 2) After finishing download, power goes out automatically when USB cable is pulled out.
(If USB power is used)
If other power supply is used but USB, power does not go out while the cable is pulled out.

Button Explanation

MAIN FUNCTION - PLAY MODE

1. Start/Stop

Song is played when  is pressed, and if it is pressed while song is playing, the song stops.

2. Selection of songs

1) ~

Desired song can be selected by pressing the number button.

2)

Pressing  button while a song is not playing, the list of the song is displayed seven by seven.

With this display,  button moves by one line, and

 button moves by one page.

To end the LIST display, press  button again.

3)

Pressing  button in play mode, previous/next songs of the selected one can be chosen.

3. Reservation

1) Press button to reserve a selected song.
(maximum 32 songs)

No. of reserved songs are displayed at the top of the screen.

2) Reserved songs are played in reserved order.

3) Select a desired song in LIST screen, and press button.

Main functions

4. Reservation cancellation

1) For cancellation, press identical number as reserved one and press button.

2) Cancelled songs disappear from the screen.

3) In LIST screen, select reserved song, and press button to cancel the reservation.

MAIN FUNCTION - PLAY MODE

5. Height of tone adjustment

When a song is played, height of tone is set up as default automatically. Height of tone is only adjusted while songs are played.

To adjust the height of the tone, press  button and then,  button.

To end the "height of tone" session, press  button again.

6. Tempo adjustment.

When a song is played, tempo is set up as default automatically. Tempo adjusts only when a song is played.

To adjust the tempo, press  button and then,  button.

To end the "tempo" session, press  button again.

7. Recording

In play mode, press  button to record incoming voices afterward.

While playing, music is recorded as well.

If the  button is pressed during recording, recording stops. Recording stops when songs are over as well.

Please refer to "Save and deletion of recorded files" for save of recorded files.(page 20)

MAIN FUNCTION - PLAY MODE

8. Other functions

1) Instruments change

Press  button to change instruments while song is playing.

Select instruments by pressing the  button.

There are fourteen kinds of instruments.

HQ STD SET1
HQ STD SET2
HQ ROOM SET
HQ POWER SET
HQ ELEC. SET
HQ TR808 SET
HQ DANCE SET
JAZZ SET
BRUSH SET
STANDARD SET
ROOM SET
POWER SET
ELECTR. SET
TR808 SET

To end the session, press  button again.

2) Special mode play

When song is not playing, press  button to select special play.

There are four special mode.

<1> CONTINUOUS PLAY ()

The songs on next list are played in sequence.

<2> REPEAT PLAY ()

Currently selected song is repeated.

<3> RANDOM PLAY ()

A song is played in random manner.

<4> EXIT

Ends special play mode.

Main functions

MAIN FUNCTION - RECORDING PLAY MODE

1. Recording play

- 1) In recording play mode,  button allows play of saved songs.
By pressing  button, playing stops.
- 2) Playing of saved files.
Pressing  button, list of recorded files and selection bar appear.
Using  button, make a selection, and by pressing the  button, play recorded files.

2. Save and Deletion of recorded files

Save and deletion of files are only allowed in LIST status.

1) Save

Pressing the  button, screen for the memory selection appears as follows.

- 1) Internal save - INTREC 01, 02...32
- 2) SD card save - SD_REC 01, 02...32.

Press  button to select internal save or Press  button to select SD Card save.

It is possible to record up to 32 songs, which depends on memory capacity.

2) Deletion

In recording play mode, pressing  button, recorded and saved file lists are displayed.

To delete files, select a file by using  button and press  button.

In confirmation screen, press  button to delete and press  button to cancel deletion.

3. File Selection

Please refer to "Selection of songs-2 ", (page 17), in play mode.

MAIN FUNCTION - MP3 MODE

1. Start / Stop

Press  button after selecting a song.
Please refer to "Start/Stop" from the play mode.
(Page 17)

2. Selection of songs

Please refer to "Selection of songs-2)  ", (page 17),
in play mode.

Main functions

ATTENTION

Mp3 files are only used under condition
of 44.1KHz Sampling Rate, 96Kbps, 128Kbps.



MAIN FUNCTION - USER MODE

Function selection

In user mode, there are functions of screen wallpaper file selection and occupied memory display.
By pressing the proper number keys, it moves to screen wallpaper file selection and occupied memory display.

1. Wallpaper image file selection

In standing mode, ① button displays the list of files for wallpaper image.
Press either ④ button or ⑤ button to select. After selection, screen changes to standing mode.
Selected image appears on the screen.
If a file is not selected, press power button and ① button at the same time to change to standing mode. (or turn off the mic and turn on again.)
If there is none of files, screen changes to standing mode after "No Data" sign.

2. Memory Occupation Display

Memory occupation is displayed by pressing ② button in standing state.
Currently occupied memory, and left memory space are displayed.
③ button allows screen to change to standing mode.

Main functions

MAIN FUNCTION - MENU

1. Basic Control

Ⓜ button displays menu contents.
Menu contents selection is controlled by Ⓜ/Ⓜ button,
every contents' values are controlled by Ⓜ button.
To end the menu session, press Ⓜ button again.
No further input for 5 seconds will automatically end the menu session.

2. Detailed statements

	MENU	FUNCTION	PLAY	PLAY STAY	MP3
P l a y i n g s t a t e	Internal MIC	Controls MIC's volume	○	○	○
	External MIC	Controls duet MIC's volume	○	○	○
	Volume	Controls MIC and instrument's volume	○	○	○
	Instrumental Volume	Controls the volume of instrumental	○	△	△
	Microphone Volume	Controls the volume of microphone	○	○	○
	Melody	Controls melody	○	△	△
	Voice change volume	Controls volume of the voice change	○	○	○
	Voice change	Controls voice change status adult, male, present children, female 0 12 24	○	○	○
	Echo	Controls echo	○	○	○
	Echo delay	Controls echo delay	○	○	○
	FM function	Controls On/Off status of the frequency	○	△	△
	FM frequency	Controls frequency	○	△	△
S t a n d i n g s t a t e	FM function	Controls On/Off status of the frequency	○	○	○
	FM frequency	Controls frequency range	○	○	○
	Score display	Controls on/off status of score on TV	○	△	△
	Automatic power-off function	Controls on/off whether MIC would turned off when there is no further use of the system in 5 minutes.	○	○	○
	Main MIC	Controls On/Off status of main MIC	○	○	○
	Key Sound	Controls On/Off status of Key sound	○	○	○
	Language	Select language of the messages	○	○	○

Main functions

SD CARD

1. Insertion

Open the card cover, and insert SD card to the direction of arrow displayed below

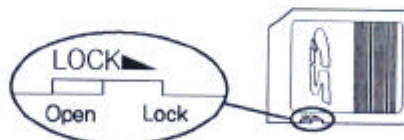


2. Removal

Open the card cover and push and pull back SD card.

3. LOCKING

In case saving and deleting can't be done on SD card, please check the " LOCK" of SD card .



SD Card

WARNING

Insertion and removal of SD card must be done when power is out.
If the power is not out during procedure, data of the MIC might be damaged.



TIPS

If the product is not operating normally even with the proper instruction, please check again with the list below.

Symptoms	Causes	Solutions
Power button does not work	- Power Line is unplugged - Batteries were put in improperly - Batteries are discharged	- Plug power line - Check batteries and manual - Charge batteries
Power goes out while singing	- Improper connections of the connector, adaptor and battery - Batteries are discharged.	- Check connecting state of the connector, adaptor and batteries - Recharge batteries
No display with power on	- Improper connection of AV cable - TV channel is wrong - Batteries are discharged.	- Connect AV cable Properly (yellow is video, white and red are audio) - Put TV channel as incoming display - Recharge batteries
Voice sounds fuzzy	- Volume is set up too high	- Adjust volume to Desired sound
Volume is too low	- Volume of TV is too low - Volume of MIC is too low	- Set up the proper volume - Raise the MIC volume
FM does not function	- Main body and FM receiver are too far apart - Improper set up of frequency - Improper set up of On/Off status	- Decrease the distance between the product and the receiver - Put in identical frequency range for both main body and receiver - Check On/Off status of the main body

- For other inquiries, contact agencies.
- For repair, contact agencies.
- After guarantee is expired, repair will cost you.

Tips

PRODUCTS SUPPORTS

KT-0113MHR product supports

- ① Appropriate Power(Adaptor): DC5.7V, 1.2A
- ① Sound Source : SAM9703
- ① Consumption Watt : 1.5W
- ① Size: 215 X 48 (mm)
- ① Weight :240g (except battery)
- ① Display Method: NTSC / PAL
- ① FM Frequency Range: 104~108MHz
- ① Battery : 3.7V, 900mA
- ① Internal Memory : 48 Mbyte

Internal songs	22 Mbyte
Internal images	7 Mbyte
Font and others	5 Mbyte
Maximum memory for use	14Mbyte

- ① SD card : Maximum 64 Mbyte allowance
- ① PC communication method : USB V1.1

Products supports

FCC Information

FCC Part 15.105

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio / TV technician for help

FCC Part 15.21

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

FCC Part 15.239

The device complies with the FCC part 15.239 in this part and the educational institution notifies the Engineer in Charge of the local FCC office, in writing, in advance of operation, providing the following information:

- (1) The dates and places where the device will be operated:
- (2) The purpose for which the device will be used:
- (3) A description of the device, including the operating frequency, RF power output, and antenna; and,
- (4) A statement that the device complies with the technical provisions of this part.