

Mini HI-FI Component System

Operating Instructions

Getting Started

Disc

Tuner

USB Device

Sound Adjustment

Other Operations

Additional Information

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of fire, do not cover the ventilation opening of the apparatus with newspapers, tablecloths, curtains, etc.

Do not place the naked flame sources such as lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus. As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

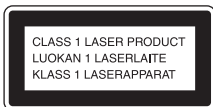
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

Do not expose batteries or apparatus with battery-installed to excessive heat such as sunshine, fire or the like.

The unit is not disconnected from the mains as long as it is connected to the AC outlet, even if the unit itself has been turned off.

CAUTION

The use of optical instruments with this product will increase eye hazard.



This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear exterior.

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- Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
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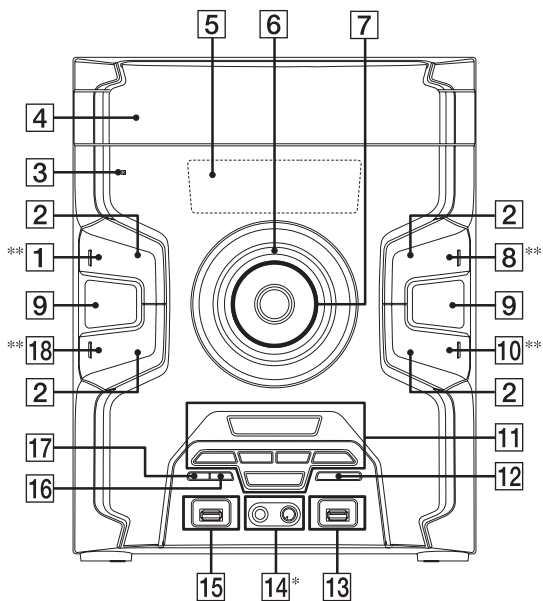
Specifications 33

In this manual, the MHC-GPX8 is used for illustration purpose unless stated otherwise.

Guide to parts and controls

This manual mainly explains operations using the unit, but the same operations can also be performed using the buttons on the remote control having the same or similar names.

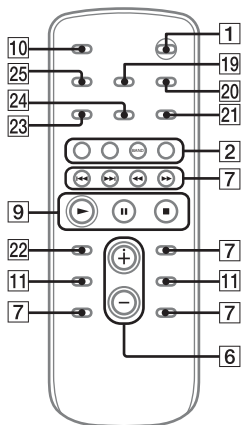
Unit



* MHC-GPX8/MHC-GPX7 only.

** The button has a protruding line. Press on the protruding line when using this button.

Remote control RM-AMU140



1

I/⏻ (on/standby)

Turn on the system, or set it to standby mode.

2

Unit: CD/DISC SKIP

Remote control: CD DISC SKIP

Select the CD function.
Select a disc during CD function.

Unit: USB/USB SELECT

Remote control: USB SELECT

Select the USB function.
Select the USB device connected to the
↔ A or ↔ B port during USB function.

TUNER/BAND

Select the TUNER function.
Select the FM or AM band during
TUNER function.

Unit: AUDIO IN

Select the TV, DVD/SAT or PC/GAME
function.

Remote control: FUNCTION

Select a function.

3

Remote control sensor

4

Disc tray

5

Display panel

6

Unit: DJ CONTROL/MASTER VOLUME

Adjust the volume.
Adjust the DJ EFFECT level (page 22).
You cannot use this knob to adjust the
volume when the DJ EFFECT is
activated.

Remote control: VOLUME +/-*

Adjust the volume.

* The VOLUME + button has a tactile dot. Use
the tactile dot as a reference when operating
the system.

7

Unit: ↕/↗/↘/↔

Select the options menu items.

Remote control: ↑/↓/←/→

Select the timer menu items.

☐ +/- (select folder)

Select a folder on an MP3 disc or a USB
device.

◀◀/▶▶ (rewind/fast forward)

Hold down to find a point in a track or file
during playback.

◀◀/▶▶ (go back/go forward)

Select a track or file.

Unit: TUNING +/-

Remote control: +/- (tuning)

Tune to the station you want.

ENTER

Enter the settings.

Continued ➞

8

▲ OPEN/CLOSE

Insert or eject a disc.

9

Unit: ► **II** (play/pause)

Remote control: ► (play),
II (pause)

Start or pause playback.

To resume playback of the USB device,
press ► **II** or ►.

■ (stop)

Stop playback.

Press **■** twice to cancel resume playback
of the USB device.

10

LED EFFECT (page 23)

Change the illumination pattern on the
unit and the lighting pattern on the
speakers*.

* MHC-GPX8/MHC-GPX7 only

11

BASS BAZUCA (page 21)

Turn the BASS BAZUCA on or off.

Unit: **MUSIC, MOVIE, FOOTBALL,
GAME**

Remote control: **EQ**

Select the sound effect (page 21).

Unit: **DJ EFFECT (page 22)**

Activate the DJ EFFECT.

Unit: **FLANGER, ISOLATOR,
SOUND FLASH, PHASER (page 22)**

Select the DJ EFFECT type.

12

REC TO USB B

Transfer onto the optional USB device
which is connected to the ↔ B port.

13

↔ B (REC/PLAY) (USB) port

Connect and transfer to an optional USB
device.

↔ B indicator

14

MIC jack

Connect a microphone.

MIC LEVEL

Adjust the microphone volume.

15

↔ A (PLAY) (USB) port

Connect an optional USB device.

↔ A indicator

16

SEARCH

Enter or exit search mode.

17

OPTIONS

Enter or exit option menus.

18

EX-CHANGE

Exchange other discs during playback.

19

SLEEP (page 23)

Set the Sleep Timer.

20

TIMER MENU (page 12, 23)

Set the clock and the timers.

21

REPEAT/FM MODE

Listen to a disc, a USB device, a single
track or file repeatedly (page 14, 20).
Select the FM reception mode (monaural
or stereo) (page 14).

22

CLEAR

Delete the last step from the program list.

23

TUNER MEMORY (page 15)

Preset the radio station.

24

PLAY MODE/TUNING MODE

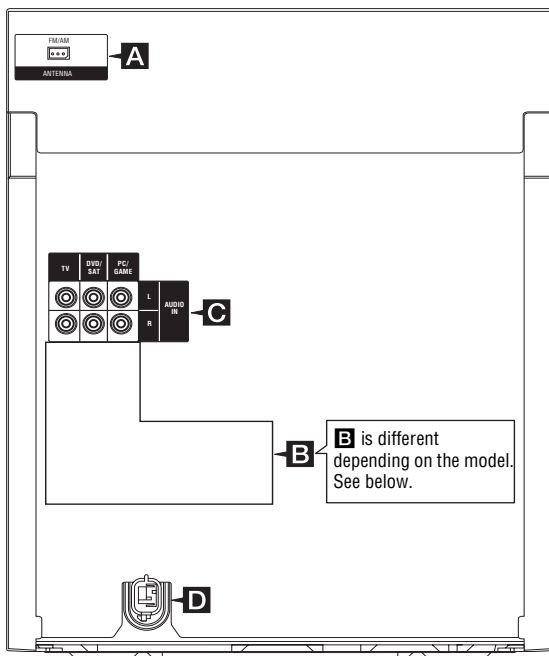
Select the play mode of an AUDIO CD, MP3 disc or a USB device (page 13, 20).
Select the tuning mode (page 14).

25

DISPLAY

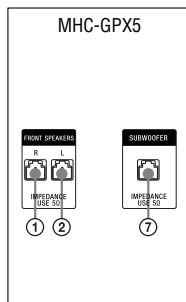
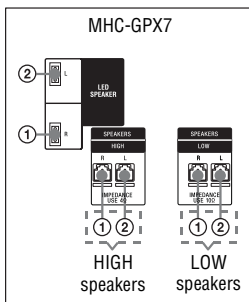
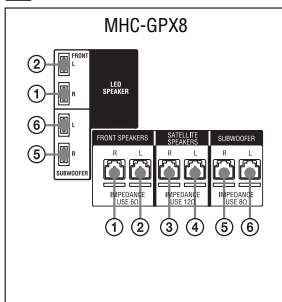
Change the information on the display panel.

Hooking up the system securely



- ① To front speaker (right)
- ② To front speaker (left)
- ③ To satellite speaker (right)
- ④ To satellite speaker (left)
- ⑤ To subwoofer (right)
- ⑥ To subwoofer (left)
- ⑦ To subwoofer

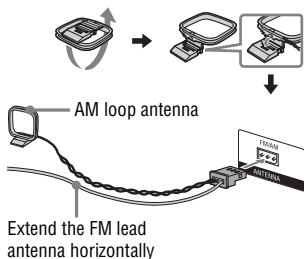
B



A Antennas

Find a location and an orientation that provide good reception when you set up the antennas.

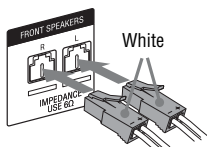
Keep the antennas away from the speaker cords, the power cord and the USB cable to avoid picking up noise.



B Speakers

(MHC-GPX8/MHC-GPX7 only) The speaker connectors are color-coded with their respective speaker terminals on the unit.

Example:



Notes

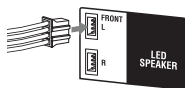
- Be sure to use only the supplied speakers.
- When connecting speaker cords, insert the connector straight into the terminals.

- LED SPEAKER terminals

Connect the LED SPEAKER connector of the speaker to this terminal.

The lighting on the speakers will react according to the music source. You can select the lighting pattern according to your preference (page 23).

Example:



C AUDIO IN jacks

Use an audio cord (not supplied) to connect to the audio output jacks of the following equipment. The sound is output through this system.

- TV L/R

Connect to a TV.

- DVD/SAT L/R

Connect to an audio/video equipment.

- PC/GAME L/R

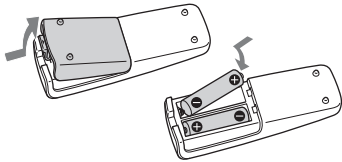
Connect to a computer or gaming device.

D Power

Plug the power cord into a wall socket. The demonstration appears in the display panel. Press **I/⏻** to turn on the system and the demonstration automatically ends. If the supplied adaptor on the plug does not fit your wall outlet, detach it from the plug (only for models equipped with an adaptor).

Inserting batteries

Insert the two supplied R6 (size AA) batteries, matching the polarities shown below.



Notes

- Do not mix an old battery with a new one or mix different types of batteries.
- If you do not use the remote control for a long period of time, remove the batteries to avoid damage from battery leakage and corrosion.

Attaching the speaker pads

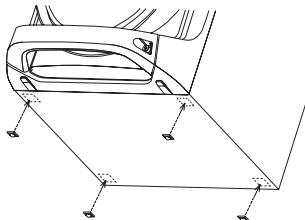
(MHC-GPX7 only)

Attach the supplied speaker pads to the bottom of the speakers to stabilize the speakers and to prevent them from slipping.

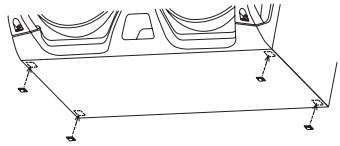
Note

Before you attach the supplied speaker pads to the bottom of the speakers, be sure to select the speaker positioning you want (page 11).

– Vertical positioning



– Horizontal positioning

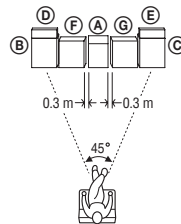


Positioning the speakers

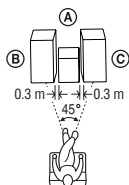
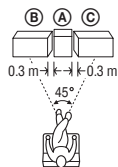
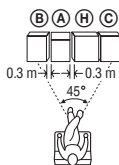
To obtain optimum performance from the system, we recommend you to place the speakers as shown below.

- Ⓐ Unit
- Ⓑ Front speaker (left)
- Ⓒ Front speaker (right)
- Ⓓ Satellite speaker (left)
- Ⓔ Satellite speaker (right)
- Ⓕ Subwoofer (left)
- Ⓖ Subwoofer (right)
- Ⓗ Subwoofer

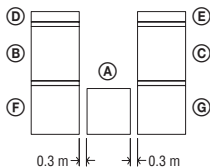
MHC-GPX8 only



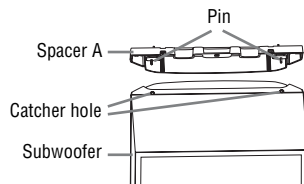
Before you place the satellite speaker on top of the front speaker, be sure to put the Spacer B on the front speaker. See step 1 of “Installing” (page 11) on how to install the Spacer A.

MHC-GPX7 only**– Vertical positioning****– Horizontal positioning****MHC-GPX5 only****Line Array Speaker System
(MHC-GPX8 only)**

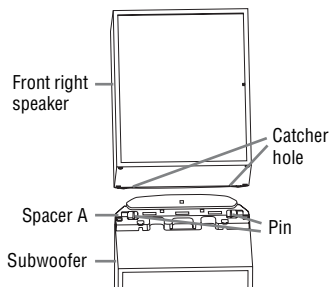
To create a party environment, we recommend you to install your speakers using Line Array Speaker System. It provides a wide sound space for a large room like a hall.

– Positioning**– Installing**

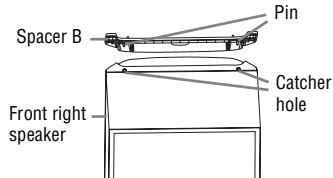
- 1 Insert the pins of the Spacer A (supplied) to the catcher holes on top of the subwoofer.



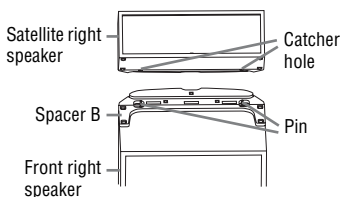
- 2 Stack the front right speaker on top of the subwoofer. Make sure the catcher holes of the front right speaker is inserted to the pins of the Spacer A.



- 3 Insert the pins of the Spacer B (supplied) to the catcher holes on the front right speaker.

**Continued**

- Stack the satellite right speaker on the front right speaker. Make sure the catcher holes of the satellite right speaker is inserted to the pins of the Spacer B.



- Repeat steps 1 to 4 to install another subwoofer, front left speaker and satellite left speaker.

Setting the clock

You cannot set the clock in Power Saving Mode.

Use the buttons on the remote control to perform this operation.

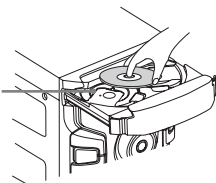
- Press **I/⏻** to turn on the system.
- Press **TIMER MENU**.
If "PLAY SET" appears in the display panel, press **↑/↓** repeatedly to select "CLOCK SET", then press **ENTER**.
- Press **↑/↓** repeatedly to set the hour, then press **ENTER**.
- Press **↑/↓** repeatedly to set the minutes, then press **ENTER**.

Disc

Playing an AUDIO CD/MP3 disc

- Press **CD/DISC SKIP**.
- Press **△ OPEN/CLOSE**.
- Load a disc with the label side facing up on the disc tray.

When you play back an 8 cm disc such as a CD single, place it on the inner circle of the tray



To load additional discs, press **CD/DISC SKIP** to rotate the disc tray.

- Press **△ OPEN/CLOSE** to close the disc tray.
Do not forcibly push the disc tray to close it as this may cause a malfunction.
- Press **▶||** to start playback.

To search a track or MP3 file (Track Search)

- Press **SEARCH**.
"SEARCH" lights up in the display panel.
- (MP3 files only)
Press **↕** to select the folder you want, then press **ENTER** or **▶||**.
- Press **↕** to select the track or file you want, then press **ENTER** or **▶||**.
The selected track or file starts playback.

Notes on playing discs

- The system can recognize up to
 - 999 folders (including root folder).
 - 999 MP3 files.
 - 250 MP3 files on a single folder.
 - 8 folder levels (tree structure of files).
- CD-TEXT information is not supported.

Using play mode

Playing in original order (Normal Play)

Press **PLAY MODE** on the remote control repeatedly when playback is stopped.

- **ALL DISC**: all discs
- **1 DISC**: a disc
- **FLDR***: all MP3 files in the folder on the disc

* When playing an **AUDIO CD**, “**FLDR**” performs the same operation as “**1 DISC**” play mode.

Playing in random order (Shuffle Play)

Press **PLAY MODE** on the remote control repeatedly when playback is stopped.

- **ALL DISC SHUF**: shuffle all discs
- **1 DISC SHUF**: shuffle a disc
- **FLDR SHUF***: shuffle all MP3 files in the folder on the disc

* When playing an **AUDIO CD**, “**FLDR SHUF**” performs the same operation as “**1 DISC SHUF**” play mode.

Note

When you turn off the system, the selected Shuffle Play is cleared and the play mode returns to Normal Play.

Creating your own program (Program Play)

You can make a program of up to 25 steps in the order you want them to be played back.

Use the buttons on the remote control to perform this operation.

1 For CD function:

Press **CD DISC SKIP** repeatedly to select the disc you want.

For USB function:

Press **USB SELECT** repeatedly to select the USB device you want.

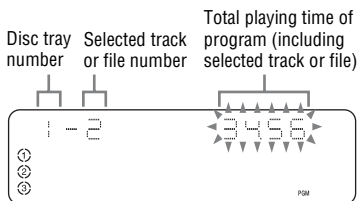
2 When playback is stopped, press **PLAY MODE** repeatedly until “**PGM**” lights up in the display panel.

3 (Audio files only)

Press **□ +/-** repeatedly to select a folder.

If you want to program all files in the folder, press **ENTER**.

4 Press **◀▶** repeatedly to select the track or file you want, then press **ENTER**.



“--.--” appears when the total playing time exceeds 100 minutes for an **AUDIO CD** or when you program an audio file.

Continued

5 Repeat steps 3 to 4 to program additional tracks or files.

6 Press ► to start Program Play.

To cancel Program Play

When playback is stopped, press PLAY MODE on the remote control repeatedly until “PGM” disappear from the display panel.

To delete the last step from the program list



Press CLEAR on the remote control when playback is stopped.

Notes


- (CD function only) The program list remains available until you open the disc tray.
- (USB function only) The program list is cleared when you:
 - perform the erase operation.
 - remove the USB device.
 - switch the USB memory select.

Playing repeatedly (Repeat Play)

Press REPEAT on the remote control repeatedly.

-  : repeat all tracks or files
-  1 : repeat a track or file

Note

You cannot select “” and “ALL DISC SHUF” at the same time.

Tuner

Listening to the radio

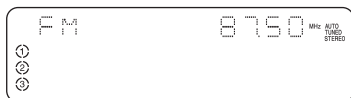
Use the buttons on the remote control to perform this operation.

1 Press TUNER/BAND repeatedly to select FM or AM band.

2 For automatic scanning:

Press TUNING MODE repeatedly until “AUTO” lights up in the display panel. Then, press +/-.

Scanning stops automatically when a station is tuned in. Then “TUNED” and “STEREO” (for FM stereo programs only) light up in the display panel.



If “TUNED” does not light up and scanning does not stop, press ■ to stop scanning. Then, perform manual tuning (below).

For manual tuning:

Press TUNING MODE repeatedly until “AUTO” and “PRESET” disappear from the display panel.

Then, press +/- repeatedly to tune to the station you want.

Tip

To reduce static noise on a weak FM stereo station, press FM MODE repeatedly until “MONO” lights up in the display panel.

To change the AM tuning interval

The default setting for AM tuning interval is 9 kHz (or 10 kHz for some areas). You cannot change the AM tuning interval in Power Saving Mode.

Use the buttons on the unit to perform this operation.

- 1 Press TUNER/BAND repeatedly to select AM band.
- 2 Press I/⏻ to turn off the system.
- 3 While holding down LED EFFECT, press I/⏻.
“AM 9K STEP” or “AM 10K STEP” appears in the display panel.
When you change the interval, all the AM preset stations are erased.

Presetting radio stations

You can store up to 20 FM and 10 AM stations as your favorite stations. Use the buttons on the remote control to perform this operation.

- 1 Tune to the station you want.
- 2 Press TUNER MEMORY.

Preset number



- 3 Press +/- repeatedly to select the preset number you want, then press ENTER.

“COMPLETE” appears in the display panel. The station is stored.

To tune to a preset station

Press TUNING MODE repeatedly until “PRESET” lights up in the display panel. Then, press +/- repeatedly to select the preset number you want.

Receiving RDS broadcasts

This system allows you to use Radio Data System (RDS), which enables radio stations to send additional information along with the regular programming signal. This system offers convenient RDS features, such as Program Service name display. RDS is available only for FM stations.*

* Not all FM stations provide RDS service, nor do they provide the same type of services. If you are not familiar with the RDS services in your area, check with your local radio stations for details.

Simply select a station on the FM band.

When you tune to a station that provides RDS services, the Program Service name appears in the display panel.

You can check the RDS information by pressing DISPLAY on the remote control repeatedly.

Note

RDS may not work properly if the station you tuned to is not transmitting the RDS signal or if the signal strength is weak.

Before using the USB device with this system

Check the websites below for the information about compatible USB devices.

For customers in Latin America:

<<http://esupport.sony.com/LA>>

For customers in other countries/regions:

<<http://www.sony-asia.com/support>>

Note on the maximum number of audio files and folders on a USB device

This system cannot transfer or playback audio files and folders of the USB device in the following cases.

- When the number of audio files in a folder exceeds 250.
- When the number of audio files in a USB device exceeds 3,000.
- When the number of folders in a USB device exceeds 1,000.

Note







Do not remove the USB device during transferring or erase operations. Doing so may corrupt the data on the USB device or damage the USB device itself.

To select the playback source or transferring destination

If the USB device has more than one memory (for example, internal memory and a memory card), you can select which memory to use as a playback source or transferring destination.

Note

You cannot select a memory during playback or transferring. Make sure to select a memory before starting playback or transferring.

- 1 Connect the USB device to the  A or  B port on the unit.
- 2 Press USB/USB SELECT repeatedly until “USB A” or “USB B” lights up in the display panel.
- 3 Press OPTIONS when playback is stopped.
- 4 Press  /  to select “USB MEM SEL”, then press ENTER.
- 5 Press  /  to select the memory you want, then press ENTER.
- 6 Start playback the audio files of the selected memory or start transferring.

Transferring music

You can transfer music from a sound source to a USB device.

The audio format of files transferred by this system is MP3. However, you can also transfer WMA and AAC files from USB A to USB B.

Notes


- When transferring from an AUDIO CD, the tracks are transferred as 128 kbps MP3 files. When transferring from an MP3 disc, MP3 files are transferred with the same bit rate as the original MP3 files.
- When transferring from a USB device, the audio files are transferred with the same bit rate as the original audio files.
- When transferring from TUNER, TV, DVD/SAT and PC/GAME function, the music are transferred as 128 kbps MP3 files.
- USB transferring and erasing is disabled while the disc tray is open.

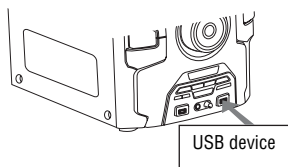
Note on copyright-protected content

The transferred music is limited to private use only. Use of the music beyond this limit requires permission of the copyright holders.

Transferring music from a disc

You can easily transfer all the music on a disc to a USB device (CD-USB Synchronized Transfer). You can also transfer a single track or MP3 file during playback (REC1 Transferring).

- 1 Connect a transferable USB device to the  B port as shown below.**



- 2 Press CD/DISC SKIP.**
- 3 Load the disc you want to transfer.**

If you have loaded the disc, press CD/DISC SKIP repeatedly to select the disc.

- 4 For CD-USB Synchronized Transfer:**

When playback is stopped, press PLAY MODE on the remote control repeatedly to select the play mode you want.

Note

If you start transferring in Shuffle Play or Repeat Play, the selected play mode is automatically changes to Normal Play.

For REC1 Transferring:

Select the track or MP3 file you want to transfer, then start playback.

- 5 Press REC TO USB B.**

“PUSH ENTER” appears in the display panel.

- 6 Press ENTER.**

Transferring starts when “DON’T REMOVE” appears in the display panel.

For CD-USB Synchronized Transfer:


When the transferring is completed, the disc and the USB device stop automatically.

For REC1 Transferring:

When the transferring is completed, the disc continues to playback.

Transferring analog audio (Analog Transferring)

You can transfer the sound from analog audio sources (other than CD and USB function) to a USB device.

- 1 Connect a transferable USB device to the  B port on the unit (page 17).**
- 2 Press TUNER/BAND or AUDIO IN repeatedly to select the source you want to transfer.**
- 3 Press REC TO USB B.**

“PUSH ENTER” appears in the display panel.

- 4 Press ENTER.**

Transferring starts when “DON’T REMOVE” appears in the display panel.

- 5 Start playback the source.**

To stop transferring

Press .

To create a new MP3 file

Press REC TO USB B during Analog Transferring.
“NEW TRACK” appears in the display panel.
If you press REC TO USB B again after a few seconds, a new MP3 file can be created.

Note



When a new MP3 file is created, transferring is disabled for the time being.

Tip

A new MP3 file is created automatically after approximately 1 hour of transferring.

Transferring music from USB device

You can easily transfer the audio files from a USB device to another USB device (USB A-USB B Synchronized Transfer). You can also transfer a single audio file during playback (USB A-USB B REC1 Transferring).

- 1 Connect a transferable USB device to the  B port, then connect the USB device you want to transfer to  A port.**
- 2 Press USB/USB SELECT repeatedly until “USB A” lights up in the display panel.**
- 3 For USB A-USB B Synchronized Transfer:**

When playback is stopped, press PLAY MODE on the remote control repeatedly to select the play mode you want.

Note

If you start transferring in “ALL USB”, “ALL USB SHUF”, “1 USB SHUF”, “PGM” and Repeat Play, the play mode automatically changes to “1 USB”.
If you start transferring in “FLDR SHUF”, the play mode automatically changes to “FLDR”.

For USB A-USB B REC1 Transferring:

Select the audio file you want to transfer, then start playback.

4 Press REC TO USB B.

“PUSH ENTER” appears in the display panel.

5 Press ENTER.

Transferring starts when “DON'T REMOVE” appears in the display panel.

For USB A-USB B Synchronized Transfer:

When the transferring is completed, both USB devices stop automatically.

For USB A-USB B REC1 Transferring:

When the transferring is completed, the audio file continues to play.

Folder and file generation rules

When first transferring to a USB device, a “MUSIC” folder is created directly below the “ROOT” and a transfer mode-oriented folder is created within the “MUSIC” folder. Folders and files are generated within any of the transfer mode-oriented folders as follows.

CD-USB Synchronized Transfer

Transferring source	Folder name	File name
MP3	Same as the transferring source	
AUDIO CD	“CDDA0001”*	“TRACK001”*

CD-USB REC1 Transferring

Transferring source	Folder name	File name
MP3	“REC1-MP3”	Same as the transferring source
AUDIO CD	“REC1-CD”	“TRACK001”*

Analog Transferring

Transferring source	Folder name	File name
FM	"TUFM0001"*	"TRACK001"*
AM	"TUAM0001"*	
TV	"EXTV0001"*	
DVD/SAT	"EXDS0001"*	
PC/GAME	"EXPG0001"*	

USB A-USB B Synchronized Transfer

Transferring source	Folder name	File name
Audio files (MP3, WMA, AAC)	Same as the transferring source	

USB A-USB B REC1 Transferring

Transferring source	Folder name	File name
Audio files (MP3, WMA, AAC)	"REC1-MP3"	Same as the transferring source

* Folder and file numbers are assigned serially thereafter.

Notes on transferring

- While transferring from an MP3 disc, AUDIO CD or USB device, no sound is output.
- CD-TEXT information is not transferred in the created MP3 files.
- Transferring stops automatically if:
 - the USB device runs out of space during transferring.
 - the number of audio files and folders on the USB device reaches the limit for the number that the system can recognize.
- If a folder or file that you are trying to transfer already exists on the USB device with the same name, a sequential number is added after the name without overwriting the original folder or file.
- You cannot perform the following operations during transferring:
 - Eject the disc.
 - Select another disc, track or file.
 - Pause playback or find a point in the track or file.
 - Change the function or tuner band.

- When transferring music to a Walkman® using "Media Manager for WALKMAN", be sure to transfer in MP3 format.
- When connecting a Walkman® to the system, be sure to connect after the display "Creating Library" or "Creating Database" on the Walkman® has disappeared.



Playing a file

The audio formats that can be played back by this system are as follows:

- MP3: file extension ".mp3"
- WMA: file extension ".wma"
- AAC: file extension ".m4a", ".mp4" or ".3gp"

If the audio files have the above file extension but are not the respective formats, the system may produce noise or may malfunction.

1 Press USB/USB SELECT repeatedly until "USB A" or "USB B" lights up in the display panel.

2 Connect a USB device to the  A or  B port on the unit.

The display changes as follows:
READING → xxxx FOLDER*




* "xxxx" represent number of folders.

3 Press .

The audio files are played back in alphabetical order.

To search an audio file (Track Search)

1 Press SEARCH.
"SEARCH" lights up in the display panel.

2 Press  /  to select the folder you want, then press ENTER or .

Continued 

- 3 Press $\blacktriangle/\blacktriangledown$ to select the audio file you want, then press ENTER or $\blacktriangleright\blacksquare$.

The selected file starts playback.

To erase audio files or folders from the USB device

- 1 Connect a USB device to the \blacktriangleleft A or \blacktriangleright B port on the unit.
- 2 Press USB/USB SELECT repeatedly until "USB A" or "USB B" lights up in the display panel when playback is stopped.
- 3 Press $\blacktriangleleft\blacktriangleleft/\blacktriangleright\blacktriangleright$ or \square +/- repeatedly to select the audio file or folder.
- 4 Press OPTIONS.
- 5 Press $\blacktriangle/\blacktriangledown$ to select "USB ERASE", then press ENTER. "FOLDER ERASE" or "TRACK ERASE" appears in the display panel.
- 6 Press ENTER. "COMPLETE" appears in the display panel.

Using play mode

Use the buttons on the remote control to perform this operation.

Playing in original order (Normal Play)

Press PLAY MODE repeatedly when playback is stopped.

- ALL USB: all USB devices
- 1 USB: a USB device
- FLDR: all audio files in the folder on the USB device

Playing in random order (Shuffle Play)

Press PLAY MODE repeatedly when playback is stopped.

- ALL USB SHUF: shuffle all USB devices
- 1 USB SHUF: shuffle a USB device
- FLDR SHUF: shuffle all audio files in the folder on the USB device

Note

When you turn off the system, the selected Shuffle Play is cleared and the play mode returns to Normal Play.

Creating your own program (Program Play)

See page 13.

Playing repeatedly (Repeat Play)

Press REPEAT repeatedly.

- \blacktriangleleft : repeat all audio files on a USB device
- \blacktriangleleft 1: repeat an audio file

Notes on the USB device

- The playback order for the system may differ from the playback order of the connected digital music player.
- Be sure to turn off the system before removing the USB device. Removing the USB device while the system is turned on may corrupt the data on the USB device.
- You cannot erase audio files and folders in Shuffle Play or Program Play.

Sound Adjustment

Adjusting the sound

To	Do this
Reinforce the bass and create a more powerful sound	Press BASS BAZUCA.
(CD and USB function only) Enhance the sound quality of the audio file	1 Press OPTIONS. 2 Press \uparrow/\downarrow repeatedly to select "MP3 BOOSTER+", then press ENTER. 3 Press \uparrow/\downarrow to select "AUTO", then press ENTER. To exit the OPTIONS menu, press OPTIONS.
Select a preset sound effect	Press MUSIC, MOVIE, FOOTBALL, GAME (or EQ on the remote control) repeatedly. To cancel preset sound effect, press MUSIC (or EQ on the remote control) repeatedly to select "FLAT".

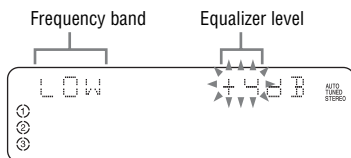
To adjust the subwoofer level (MHC-GPX8/MHC-GPX5 only)

- 1 Press OPTIONS.
- 2 Press \uparrow/\downarrow repeatedly to select "SUBWOOFER", then press ENTER.
- 3 Press \uparrow/\downarrow repeatedly to select the subwoofer level, then press ENTER.
To exit the OPTIONS menu, press OPTIONS.

Creating your own sound effect

You can raise or lower the levels of specific frequency bands and then store the setting in the memory as "USER EQ".

- 1 Press OPTIONS.
- 2 Press \uparrow/\downarrow repeatedly to select "EQ EDIT", then press ENTER.
- 3 Press \uparrow/\downarrow repeatedly to adjust the equalizer level, then press ENTER.



- 4 Repeat step 3 to adjust the level of other frequency bands and surround effect.

The user equalizer setting is stored when "USER EQ" appears in the display panel.

To bring up the user equalizer setting

Press MUSIC (or EQ on the remote control) repeatedly to select "USER EQ".

Creating a party atmosphere

(DJ EFFECT)

1 Press DJ EFFECT.

The DJ EFFECT button lights up and the last selected effect is activated.

2 Press the following button to select the effect type.

- **FLANGER:** Create a deep flanging effect that is similar to the roar of a jet plane.
- **ISOLATOR:** Isolate a specific frequency band by adjusting the other frequency bands. For example, when you want to focus on vocal and etc.
- **SOUND FLASH:** Flash the sound output. The sound cuts off periodically.
- **PHASER:** Create a series of peaks and troughs in the frequency spectrum, like a sweeping effect.

3 Turn DJ CONTROL to adjust the effect level.

To turn off the effect

Press DJ EFFECT again.

Notes

- The DJ EFFECT is automatically turned off when you turn off the system or change the function or tuner band.
- If you activate the DJ EFFECT during transferring, the sound effect will not be transferred onto the USB device.
- You cannot use DJ CONTROL/MASTER VOLUME to adjust the volume when the DJ EFFECT is activated. Press VOLUME +/- on the remote control to adjust the volume.

Other Operations

Singing along

(MHC-GPX8/MHC-GPX7 only)

You can sing along with any audio source that played back on this system.

1 Turn MIC LEVEL to MIN to reduce the microphone volume level.

2 Connect a microphone to the MIC jack on the unit.

3 Start playing the music and adjust the volume.

4 Turn MIC LEVEL to adjust the microphone volume.

If acoustic feedback (howling) occurs, reduce the volume, move the microphone away from the speakers, or change the direction of the microphone.

After you have finished, disconnect the microphone.

Note

The sound from the microphone will not be transferred onto the USB device during USB transferring.

Changing the illumination and lighting pattern

Press **LED EFFECT** repeatedly to select the illumination or lighting pattern.

(MHC-GPX8/MHC-GPX7 only)

Each time you press **LED EFFECT**, the illumination pattern on the unit and the lighting pattern on the speakers change simultaneously.

(MHC-GPX5 only)

Each time you press **LED EFFECT**, the illumination pattern on the unit changes.

To turn off the illumination and lighting pattern, select "PATTERN OFF".

Using the timers

The system offers three timer functions. You cannot activate both the Play Timer and the Recording Timer at the same time. If you use either with the Sleep Timer, the Sleep Timer has priority.

Sleep Timer

You can fall asleep when listening to music. The system turns off after the preset time.

Press **SLEEP** on the remote control repeatedly.

Tip

To check the remaining time before the system turns off, press **SLEEP** on the remote control.

To cancel Sleep Timer

Press **SLEEP** on the remote control repeatedly to select "SLEEP OFF".

Play Timer/Recording Timer

Make sure you have set the clock. Use the button on the remote control to perform this operation.

Play Timer:

You can wake up to disc, tuner or USB device at a preset time.

Recording Timer:

You can transfer music from a preset radio station into a USB device at a specified time.

1 For Play Timer:

Prepare the sound source, then press **VOLUME +/-** to adjust the volume. To start from a specific track or file, create your own program (page 13).

For Recording Timer:

Tune to the preset radio station (page 15).

2 Press **TIMER MENU**.

3 Press **↑/↓** repeatedly to select "PLAY SET" or "REC SET", then press **ENTER**.

4 Set the time to start playback or transferring.

Press **↑/↓** repeatedly to set the hour/minute, then press **ENTER**.

5 Use the same procedure as in step 4 to set the time to stop playback or transferring.

Continued 

- 6** Press \uparrow/\downarrow repeatedly to select the sound source you want, then press ENTER.

For Recording Timer:

Connect a transferable USB device to the USB B port on the unit.

- 7** Press I/ON to turn off the system.

To check the timer setting or activate the timer again

- 1 Press TIMER MENU.
“TIMER SELECT” flashes in the display panel.
- 2 Press ENTER.
- 3 Press \uparrow/\downarrow repeatedly to select “PLAY SELECT” or “REC SELECT”, then press ENTER.

To cancel the timer

- 1 Press TIMER MENU.
“TIMER SELECT” flashes in the display panel.
- 2 Press ENTER.
- 3 Press \uparrow/\downarrow repeatedly to select “TIMER OFF”, then press ENTER.

Notes

- The system turns on before the preset time. If the system is turned on at the preset time or if “STANDBY” flashes in the display panel, the Play Timer and the Recording Timer will not play or transfer.
- Do not operate the system from the time the system turns on until the playback or transferring starts.

Changing the display

Changing the display mode

Press DISPLAY on the remote control repeatedly while the system is turned off.

Demonstration

The display changes and the indicator flashes even when the system is turned off.

No display (Power Saving Mode)

The display is turned off to conserve power. The timer and clock continue to operate.

Clock

The clock display automatically turns to Power Saving Mode after a few seconds.

Changing the spectrum pattern of the display panel

- 1 Press OPTIONS.
- 2 Press \uparrow/\downarrow repeatedly to select “SPECTRUM”, then press ENTER.
- 3 Press \uparrow/\downarrow repeatedly to select the spectrum pattern you want, then press ENTER.

To exit the OPTIONS menu, press OPTIONS.

Changing the brightness of the display panel

- 1 Press **OPTIONS**.
- 2 Press **↑/↓** repeatedly to select “**DIMMER**”, then press **ENTER**.
- 3 Press **↑/↓** repeatedly to select the brightness setting you want, then press **ENTER**.

To exit the **OPTIONS** menu, press **OPTIONS**.

Viewing information in the display panel

Press **DISPLAY** on the remote control repeatedly when the system is turned on.

You can view the information as follows:

- For **AUDIO CD**:
 - The elapsed playing time and remaining playing time during playback.
 - The total playing time when playback is stopped.
- For audio files:
 - The elapsed playing time, file name and folder name.
 - The title, artist and album information.

Note

The elapsed playing time of an audio file encoded using a **VBR** (variable bit rate) is not displayed correctly.

Using optional equipment

- 1 Connect an optional equipment (page 8).

- 2 Turn **MASTER VOLUME** counterclockwise to reduce the volume.

- 3 Press **AUDIO IN** on the unit repeatedly to select the function which corresponds to the connected equipment.

- 4 Start playing the connected equipment.

- 5 Turn **MASTER VOLUME** clockwise to adjust the volume.

Note

Make sure to turn down the volume to minimum level before connecting or disconnecting an audio component. Otherwise, noise may be generated, the system may malfunction, or “**PROTECT EXX**” may appear in the display panel (page 27).

Deactivating the buttons on the unit

(Child Lock)

You can deactivate the buttons on the unit (except **I/⏻**) for preventing misoperation, such as child mischief.

Hold down ■ on the unit for more than 5 seconds.

“**CHILD LOCK**” and “**ON**” appear in the display panel.

You can only operate the system using the buttons on the remote control.

To cancel, hold down **■** on the unit for more than 5 seconds until “**CHILD LOCK**” and “**OFF**” appear in the display panel.

Note

Child Lock function will be canceled when you disconnect the power cord.

Playable discs

- AUDIO CD
- CD-R/CD-RW
 - audio data
 - MP3 files that conforms to ISO9660 Level 1/Level 2, or Joliet (expansion format).

Notes

- MP3 (MPEG 1 Audio Layer-3) is a standard format defined by ISO (International Organization for Standardization) which compresses audio data. MP3 files must be in MPEG 1 Audio Layer-3 format.
- The system can only play back MP3 files that have a file extension of “.mp3”.

Discs that cannot be played back

- CD-ROM
- CD-R/CD-RW which has the following conditions:
 - Recorded in MP3 PRO format
 - Recorded in multisession that have not ended by “closing the session”
 - Recorded with an incompatible recording device
 - Poor recording quality
 - Scratches or dirty
 - Finalized incorrectly
- Discs of non-standard shape (e.g., heart, square, star and etc.)
- Discs that have adhesive tape, paper, or sticker attached to them
- Rental or used discs with attached seals where the glue extends beyond the seal
- Discs that have labels printed using ink that feels tacky when touched

Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

Notes on playing multisession discs

- This system can play back multisession discs when an MP3 file is contained in the first session. Any subsequent MP3 files recorded in later sessions can also be played back.
- If the first session is recorded in AUDIO CD format, only the first session will be played back.

Troubleshooting

Should you encounter a problem with your system, find your problem in the troubleshooting checklist below and take the corrective action.

If the problem persists, consult your nearest Sony dealer.

Note that if the service personnel changes some parts during repair, these parts may be retained.

If “PROTECT EXX” (X is a number) appears in the display panel

Immediately unplug the power cord, and check the following items.

- Are you using only the supplied speakers?
- Is anything blocking the ventilation holes of the unit?

After checking the above items and fixing any problems, plug in the power cord again and turn on the system. If the issue persists, consult your nearest Sony dealer.

General

The clock or timer setting is canceled.

- The power cord is disconnected or a power failure occurred. Set the clock (page 12) and timer (page 23) again.

There is no sound.

- Adjust the volume.
- Check the speaker connections (page 8).
- Check the connection of the optional equipment, if any (page 8).
- Turn on the connected equipment.
- There is no audio output during Recording Timer.

There is no microphone sound. (MHC-GPX8/MHC-GPX7 only)

- Adjust the microphone volume.

- Make sure the microphone is connected to the MIC jack correctly.
- Make sure the microphone is turned on.

There is severe hum or noise.

- A TV or VCR is placed too close to the unit. Move the unit away from the source of noise.
- Connect the unit to a different wall outlet.
- Install a noise filter (commercially available) to the power cord.
- Turn off surrounding electrical equipment.

The timer does not function.

- Check the timer setting and set the correct time (page 23).
- Cancel the Sleep Timer function (page 23).

The remote control does not function.

- Remove the obstacles between the remote control and the unit.
- Move the remote control closer to the unit.
- Point the remote control at the unit's sensor.
- Replace the batteries (R6/size AA).
- Move the unit away from the fluorescent light.

There is acoustic feedback.

- Reduce the volume.
- (MHC-GPX8/MHC-GPX7 only) Move the microphone away from the speakers or change the direction of the microphone.

“CHILD LOCK” appears when you press any button on the unit.

- Set the Child Lock function to off (page 25).

“CONNECT ALL SPEAKERS AND CHANGE VOL” appears.

- Check that all speakers are connected.

Speakers

Sound comes from one channel or unbalanced left and right volume.

- Place the speakers as symmetrically as possible.
- Check that the speakers are connected securely and correctly.
- The source being played back is monaural.

There is no sound from a specific speaker.

- Check that the speaker is connected securely and correctly.
- (MHC-GPX8/MHC-GPX5 only) Set the subwoofer level to the appropriate level (page 21).

Disc player

The disc tray does not open and “LOCKED” appears in the display panel.

- Consult your nearest Sony dealer or local authorized Sony service facility.

The disc tray does not close.

- Load the disc correctly.

The disc does not eject.

- You cannot eject the disc during CD-USB Synchronized Transfer or REC1 Transferring. Press **■** to cancel the transferring, then press **▲** OPEN/CLOSE to eject the disc.
- Consult your nearest Sony dealer.

Playback does not start.

- Wipe the disc clean (page 32).
- Reload the disc.
- Load the disc that this system can play back (page 26).
- Remove the disc and wipe away the moisture on the disc, then leave the system turned on for a few hours until the moisture evaporates.

The sound skips.

- Wipe the disc clean (page 32).
- Reload the disc.
- Move the unit to a place with no vibration (e.g., on top of a stable stand).
- Move the speakers away from the unit, or place them on separate stands. When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.

Playback does not start from the first track.

- Set the play mode to Normal Play (page 13).

The folder name, track name, file name and ID3 tag characters do not appear properly.

- Use a disc that conforms to ISO9660 Level 1/Level 2, or Joliet (expansion format).
- The ID3 tag is not Version 1(1.0/1.1) and Version 2(2.2/2.3).
- The character code that can be displayed by this system are as follows:
 - Upper cases (A to Z)
 - Numbers (0 to 9)
 - Symbols (< > * +, [] \ _)Other characters appear as “_”.

USB device

Transferring results in an error.

- You are using an unsupported USB device. Check the information on the websites about compatible USB devices (page 16).
- The USB device is not formatted correctly. Refer to the operating instructions of the USB device on how to format.
- Turn off the system and remove the USB device. If the USB device has a power switch, turn the USB device off and then on again after removing it from the system. Then perform transferring again.

- If the transferring and erase operations are repeated multiple times, the file structure within the USB device becomes fragmented. Refer to the operating instructions supplied with the USB device on how to deal with this problem.
- The USB device was disconnected or the power was turned off during transferring. Delete the partially-transferred file, and perform transferring again. If this does not fix the problem, the USB device may be broken. Refer to the operating instructions of the USB device on how to deal with this problem.

Audio files or folders on the USB device cannot be erased.

- Check if the USB device is write-protected.
- The USB device was disconnected or the power was turned off during the erase operation. Delete the partially-erased file. If this does not fix the problem, the USB device may be broken. Refer to operating instructions of the USB device on how to deal with this problem.

There is no sound.

- The USB device is not connected correctly. Turn off the system and reconnect the USB device, then turn on the system and check if “USB A” or “USB B” lights up in the display panel.

There is noise, skipping, or distorted sound.



- You are using an unsupported USB device. Check the information on the websites about compatible USB devices (page 16).
- Turn off the system and reconnect the USB device, then turn on the system.
- The music data itself contains noise, or the sound is distorted. Noise may have entered during the transferring process. Delete the file, and try transferring again.

- The bit rate used when encoding audio files was low. Send audio files with higher bit rate to the USB device.

“READING” is displayed for an extended time, or it takes a long time before playback starts.

- The reading process can take a long time in the following cases.
 - There are many folders or files on the USB device (page 16).
 - The file structure is extremely complex.
 - The memory capacity is excessive.
 - The internal memory is fragmented.

“OVER CURRENT” appears.

- A problem has been detected with the level of electrical current from the  A port or  B port. Turn off the system and remove the USB device from the port. Make sure there is no problem with the USB device. If this display pattern persists, contact your nearest Sony dealer.

Erroneous display.

- The data stored in the USB device may have been corrupted, perform the transferring again.
- The character code that can be displayed by this system are as follows:
 - Upper cases (A to Z)
 - Numbers (0 to 9)
 - Symbols (< > * +, [] \ _)
 Other characters appear as “_”.

The USB device is not recognized.

- Turn off the system and reconnect the USB device, then turn on the system.
- Check the information on the websites about compatible USB devices (page 16).
- The USB device does not work properly. Refer to the operating instructions of the USB device on how to deal with this problem.

Continued 

Playback does not start.

- Turn off the system and reconnect the USB device, then turn on the system.
- Check the information on the websites about compatible USB devices (page 16).

Playback does not start from the first file.

- Set the play mode to Normal Play (page 20).

Audio file cannot be played back.

- MP3 files in MP3 PRO format cannot be played back.
- Some AAC files may not be played back correctly.
- An AAC file which has video stream cannot be played back.
- WMA files in Windows Media Audio Lossless and Professional format cannot be played back.
- USB device formatted with file systems other than FAT16 or FAT32 are unsupported.*
- In case multiple partitions exist in USB device that is being used, files may not be played back.
- The system can play back to a depth of 8 folders only.
- Files that are encrypted or protected by passwords and etc. cannot be played back.
- Files with DRM (Digital Rights Management) copyright protection cannot be played back by this system.

* This system supports FAT16 and FAT32, but some USB device may not support all of these FAT. For details, refer to the operating instructions of each USB device or contact the manufacturer.

Tuner

Severe hum or noise, or stations cannot be received. (“TUNED” or “STEREO” flashes in the display panel.)

- Connect the antenna properly.
- Change antenna location and its orientation to obtain good reception.
- Connect a commercially available external antenna.
- Consult your nearest Sony dealer if the supplied AM antenna has come off from the plastic stand.
- Turn off surrounding electrical equipment.

To reset the system

If the system still does not operate properly, reset the system to factory default settings.

Use the buttons on the unit to perform this operation.

- 1** Unplug and plug the power cord back in.
- 2** Press **I/⏻** to turn on the system.
- 3** Hold down **■** and **I/⏻** at the same time for about 3 seconds. “RESET” appears in the display panel. All user-configured settings, such as preset radio stations, timer, and the clock are reset to factory default setting.

Messages

Disc/Timer

NO DISC

There is no disc on the disc tray or you have loaded a disc that cannot be played back on this system.

NO STEP

All of the programmed steps have been erased.

NOT IN USE

You have pressed a button those operation is not allowed or invalid at this time.

OFF TIME NG

The Play Timer or Recording Timer start time and stop time is the same.

PUSH SELECT

You tried to set the clock or timer during timer operation.

PUSH STOP

You tried to perform an operation that can be performed only when the playback is stopped.

READING

The system is reading information of the disc. Some buttons are not available.

STEP FULL

You tried to program more than 25 steps.

UNLOCK

The disc theft-preventive function is released.

USB device

DEVICE FULL

The memory of the USB device is full.

FATAL ERROR

The USB device was removed during transferring or erase operation, and may have been damaged.

FOLDER FULL

The number of folders has reached the maximum.

NO DEVICE

No USB device is connected.

NO MEMORY

The memory selected for playback or transfer has no memory media inserted in the USB device.

NO STEP

All of the programmed steps have been erased.

NO TRACK

No playable file is loaded in the system.

NOT IN USE

You tried to perform a specific operation under conditions where that operation is prohibited.

NOT SUPPORTED

An unsupported or unknown USB device is connected, or the USB device is connected through an USB hub.

PROTECTED

The USB device is write-protected.

PUSH STOP

You tried to perform an operation that can be performed only when the playback is stopped.

READING

The system is reading information of the USB device. Some buttons are not available.

REC ERROR

Transferring did not start, stopped partway, or otherwise could not be performed.

STEP FULL

You tried to program more than 25 steps.

TRACK FULL

The number of files has reached the maximum.

Precautions

When carrying the unit

Perform the following procedure to protect the disc mechanism.

Use the buttons on the unit to perform this operation.

- 1 Press **I/⏻** to turn on the system.
- 2 Press **CD/DISC SKIP**.
- 3 Remove the disc.
Press **▲ OPEN/CLOSE** to open and close the disc tray.
Wait until "CD NO DISC" appears in the display panel.
- 4 Hold down **BASS BAZUCA** and then press **I/⏻**. Then, "MECHA LOCK" appears in the display panel.
- 5 Unplug the power cord.

Notes on discs

- Before playing, wipe the disc with a cleaning cloth from the center outward to the edge.
- Do not clean discs with solvents, such as benzene, thinner, or commercially available cleaners or anti-static spray intended for vinyl LPs.
- Do not expose discs to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.

On safety

- Completely disconnect the power cord (mains lead) from the wall outlet (mains) if it is not going to be used for an extended period of time. When unplugging the unit, always grip the plug. Never pull the cord itself.
- Should any solid object or liquid get into the system, unplug the system, and have it checked by qualified personnel before operating it again.
- AC power cord must be changed only at the qualified service shop.

On placement

- Do not place the system in an inclined position or in locations that are extremely hot, cold, dusty, dirty, or humid or lacking adequate ventilation, or subject to vibration, direct sunlight or a bright light.
- Be careful when placing the unit or speakers on surfaces that have been specially treated (for example, wax, oil, polish) as staining or discoloration of the surface may result.
- If the system is brought directly from a cold to a warm location or is placed in a very damp room, moisture may condense on the lens inside the unit, and cause the system to malfunction. In this situation, remove the disc, and leave the system turned on for about an hour until the moisture evaporates.

On heat buildup

- Heat buildup on the unit during operation is normal and is not a cause for alarm.
- Do not touch the cabinet if it has been used continuously at a high volume because the cabinet may have become hot.
- Do not obstruct the ventilation holes.

On the speaker system

This speaker system is not magnetically shielded, and the picture on nearby TV sets may become magnetically distorted. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on. If there is no improvement, move the speakers far away from the TV.

Cleaning the cabinet

Clean this system with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as thinner, benzene, or alcohol.

Specifications

Amplifier section

The following are measured at

Mexican model:

AC 120 V – 240 V, 60 Hz

Other models:

AC 120 V – 240 V, 50/60 Hz

MHC-GPX8

Front/Satellite speaker

Power Output (rated):

300 W + 300 W (at 4 ohms, 1 kHz,
1% THD)

Front speaker

RMS output power (reference):
360 W + 360 W (per channel at
6 ohms, 1 kHz)

Satellite speaker

RMS output power (reference):
180 W + 180 W (per channel at
12 ohms, 1 kHz)

Subwoofer

RMS output power (reference):
260 W + 260 W (per channel at
8 ohms, 100 Hz)

MHC-GPX7

HIGH speakers

Power Output (rated):
300 W + 300 W (at 4 ohms, 1 kHz,
1% THD)

RMS output power (reference):
495 W + 495 W (per channel at
4 ohms, 1 kHz)

LOW speakers

RMS output power (reference):
180 W + 180 W (10 ohms, 100 Hz)

MHC-GPX5

Front speaker

Power Output (rated):

240 W + 240 W (at 5 ohms, 1 kHz,
1% THD)

RMS output power (reference):

370 W + 370 W (per channel at
5 ohms, 1 kHz)

Subwoofer

RMS output power (reference):

360 W (5 ohms, 100 Hz)

Inputs

TV (AUDIO IN) L/R

Voltage 1.2 V, impedance 47 kilohms

DVD/SAT (AUDIO IN) L/R

Voltage 1.2 V, impedance 47 kilohms

PC/GAME (AUDIO IN) L/R

Voltage 1.2 V, impedance 47 kilohms

MIC (MHC-GPX8/MHC-GPX7 only)

Sensitivity 1 mV, impedance
10 kilohms

↔ A (USB), ↔ B (USB) port: Type A

USB section

Supported bit rate

MP3 (MPEG 1 Audio Layer-3):

32 kbps – 320 kbps, VBR

WMA: 48 kbps – 192 kbps

AAC: 48 kbps – 320 kbps

Sampling frequencies

MP3 (MPEG 1 Audio Layer-3):

32 kHz/44.1 kHz/48 kHz

WMA: 44.1 kHz

AAC: 44.1 kHz

Supported USB device

Mass Storage Class

Maximum current

500 mA

Disc player section

System

Compact disc and digital audio system

Laser Diode Properties

Emission Duration: Continuous

Laser Output*: Less than 44.6 μ W

* This output is the value measurement at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.

Frequency response

20 Hz – 20 kHz

Signal-to-noise ratio

More than 90 dB

Dynamic range

More than 88 dB

Tuner section

FM stereo, FM/AM superheterodyne tuner

Antenna:

FM lead antenna

AM loop antenna

FM tuner section

Tuning range

87.5 MHz – 108.0 MHz (50 kHz step)

AM tuner section

Tuning range

Pan American models:

530 kHz – 1,710 kHz (10 kHz step)

531 kHz – 1,710 kHz (9 kHz step)

Other models:

530 kHz – 1,610 kHz (10 kHz step)

531 kHz – 1,602 kHz (9 kHz step)

Speakers

Front speaker

SS-GPX8 for MHC-GPX8

SS-GPX7 for MHC-GPX7

SS-GPX5 for MHC-GPX5

Speaker system

SS-GPX8/SS-GPX5: 2-way, Bass reflex

SS-GPX7: 3-way, Bass reflex

Speaker unit

Woofer: 200 mm, cone type

Tweeter:

(SS-GPX8/SS-GPX7) 25 mm, horn type

(SS-GPX5) 40 mm, horn type

Subwoofer:

(SS-GPX7) 200 mm, cone type

Rated impedance

SS-GPX8: 6 ohms

SS-GPX7:

HIGH: 4 ohms

LOW: 10 ohms

SS-GPX5: 5 ohms

Dimensions (w/h/d) (Approx.)

SS-GPX8: 360 mm \times 435 mm \times 330 mm

SS-GPX7: 310 mm \times 625 mm \times 420 mm

SS-GPX5: 290 mm \times 395 mm \times 315 mm

Mass (Approx.)

SS-GPX8: 8.5 kg

SS-GPX7: 13.4 kg

SS-GPX5: 6.9 kg

Quantity: 2 pieces

Satellite speaker**SS-RSP8 for MHC-GPX8**

- Speaker system
 - 1-way
- Speaker unit
 - Woofer: 65 mm, cone type × 2
- Rated impedance
 - 12 ohms
- Dimensions (w/h/d) (Approx.)
 - 360 mm × 125 mm × 170 mm
- Mass (Approx.)
 - 1.8 kg
- Quantity: 2 pieces

Subwoofer**SS-WGP8 for MHC-GPX8****SS-WGP5 for MHC-GPX5**

- Subwoofer system
 - 1-way, Bass reflex
- Speaker unit
 - Subwoofer: 250 mm, cone type
- Rated impedance
 - SS-WGP8: 8 ohms
 - SS-WGP5: 5 ohms
- Dimensions (w/h/d) (Approx.)
 - SS-WGP8: 360 mm × 395 mm × 335 mm
 - SS-WGP5: 360 mm × 395 mm × 315 mm
- Mass (Approx.)
 - SS-WGP8: 7.9 kg
 - SS-WGP5: 8.2 kg
- Quantity:
 - MHC-GPX8: 2 pieces
 - MHC-GPX5: 1 piece

General

- Power requirements
 - Mexican model: AC 120 V – 240 V, 60 Hz
 - Other models: AC 120 V – 240 V, 50/60 Hz
- Power consumption
 - MHC-GPX8: 250 W
 - MHC-GPX7: 230 W
 - MHC-GPX5: 200 W
- Dimensions (w/h/d) (excl. speakers) (Approx.)
 - 280 mm × 355 mm × 440 mm
- Mass (excl. speakers) (Approx.)
 - HCD-GPX8G/HCD-GPX7G/HCD-GPX5G: 7.0 kg
- Supplied accessories
 - Remote control (1)
 - R6 (Size AA) batteries (2)
 - FM lead/AM loop antenna (1)
 - Spacer A (MHC-GPX8 only) (2)
 - Spacer B (MHC-GPX8 only) (2)
 - Speaker pads (MHC-GPX7 only) (8)

Design and specifications are subject to change without notice.

<http://www.sony.net/>

COMPACT
disc
DIGITAL AUDIO



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