

# Mini Hi-Fi Component System

## Operating Instructions

GB

### Owner's Record

The model and serial numbers are located on the rear of the unit. Record these numbers in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

## MHC-GX570XM

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http://www.sony.net/



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

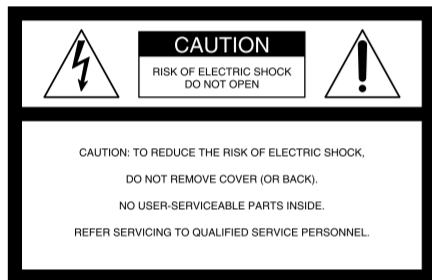
## WARNING

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

## CAUTION

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

## Notice for the customers in the U.S.A.



## WARNING

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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

## Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

## U.S.A., Canadian and Australian models only



ENERGY STAR® is a U.S. registered mark. As an ENERGY STAR® partner, Sony Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

## Note on DualDiscs

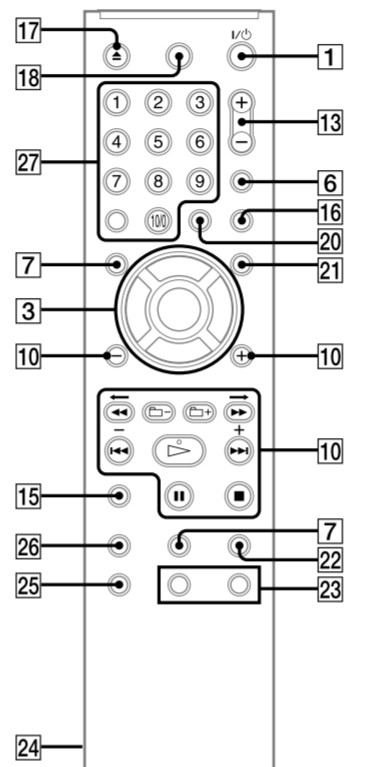
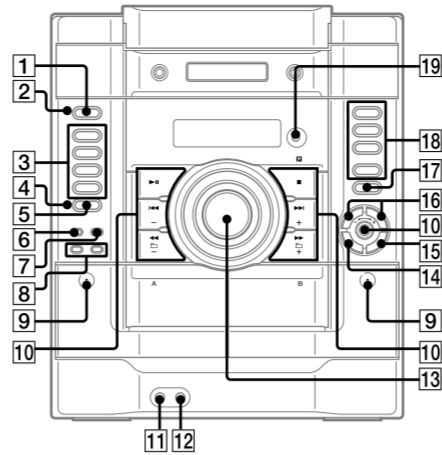
A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

## Music discs encoded with copyright protection technologies

This product is designed to playback 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.

- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- The XM name and related logos are registered trademarks of XM Satellite Radio Inc.

## Basic Operations



## To set the clock

- Turn on the system. Press I/⏻ (power) [1].
- Select the clock set mode. Press CLOCK/TIMER SET [23] on the remote. If the current mode appears on the display, press ◀▶▶▶ [10] repeatedly to select "CLOCK SET" and then press ENTER [15].
- Set the time. Press ◀▶▶▶ [10] repeatedly to set the hour, and then press ENTER [15]. Use the same procedure to set the minutes. When you turn off the system after setting the clock, the clock display appears instead of the demonstration display. The clock settings are lost when you disconnect the power cord or if a power failure occurs.

## Selecting a music source

Press the following buttons (or press FUNCTION [3] on the remote repeatedly).

To select	Press
CD	CD [3].
Tuner	TUNER/BAND [3].
Tape (deck A or B)	TAPE on the remote (or TAPE A/B on the unit) [3].
Component (connected using an audio cord)	AUDIO IN [3] on the unit.

## Adjusting the sound

To adjust the volume Press VOLUME +/- on the remote (or turn the VOLUME control on the unit) [13].

### To add a sound effect

To	Press
Reinforce the bass and create a more powerful sound	GROOVE [16] on the unit repeatedly until "GROOVE" appears.
Set the surround effect	SURROUND [16] on the unit repeatedly until "SURR" appears.
Select the preset sound effect	EQ [16] on the remote repeatedly. To cancel, press EQ [16] on the remote repeatedly until "EQ OFF" appears.

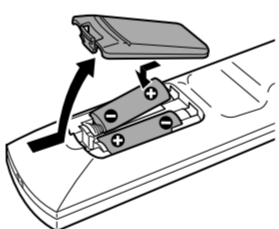
## To turn on the subwoofer

Press SUBWOOFER [5] on the unit repeatedly until "SUB ON" appears. The SUBWOOFER indicator [4] on the unit lights up. If you later disconnect the subwoofer, repeat the procedure until "SUB OFF" appears. The volume of the subwoofer is linked to the front speakers.

## Before using the system

### To use the remote

Slide and remove the battery compartment lid [24], and insert the two supplied R6 (size AA) batteries, ⚡ side first, matching the polarities shown below.



### Notes on using the remote

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

## To receive the XM Satellite Radio

**Introducing XM Satellite Radio**  
XM Radio is the satellite radio service with millions of listeners across the U.S. Broadcasting live daily, XM Radio offers 160 digital radio channels offering music, news, sports, comedy, talk, entertainment, traffic and weather reports, with high quality digital sound.

**How to Subscribe**  
XM \$12.95 monthly service subscription sold separately. XM Connect and Play (TM) antenna required to receive XM service (sold separately). Installation costs and other fees and taxes, including a one-time activation fee may apply. Subscription fee is consumer only. All fees and programming subject to change. Channels with frequent explicit language are indicated with an XL. Channel blocking is available for XM radio receivers by calling 1-800-XMRADIO. Subscriptions subject to Customer Agreement available at xmradio.com. XM service only available in the 48 contiguous United States. XM Ready and XM Connect-and-Play are trademarks of XM Satellite Radio Inc. (C)2006 XM Satellite Radio Inc. All rights reserved.

**Activate XM Service**  
Find the 8-character XM Radio ID of the Connect-and-Play antenna. With the Connect-and-Play antenna connected to the unit, the Radio ID can be found by selecting channel 0 on the radio. Press >10, 10/0, 10/0, 10/0 [27] on the remote in that order to select channel 0. Record the Radio ID here for reference:  
(NOTE: The XM Radio ID does not use the letters I, O, S, or F.)  
Activate your XM Satellite Radio service online at http://activate.xmradio.com or by calling 1-800-XMRADIO (1-800-967-2346). You will need a major credit card. XM will send a signal from the satellites to activate the full channel lineup. Activation normally takes 10 to 15 minutes, but during peak busy periods, you may need to keep your player on for up to an hour. When you can access the full channel lineup on your player, you're done.

**Notes on XM Satellite Radio**  
To ensure optimal reception of XM's satellite signal, move your antenna to various window locations around your home to see where the best reception will be received. Most XM customers place the antenna in a south-facing window with a clear view to the sky. Residents in Canada please see information about XM Canada at the following webpage: (http://www.xmradio.ca)

To	Press
Switch to CD function from other function	DISC 1 - 3 [18] on the unit (Automatic Source Selection).
Exchange other discs while playing	EX-CHANGE [18] on the unit.

## To change the play mode

Press PLAY MODE [7] repeatedly while the player is stopped. You can select normal play ("ALL DISCS" for all discs or "1 DISC" for a disc or "▶\*▶" for all MP3 files in the folder on the disc), shuffle play ("ALL DISCS SHUF" or "1 DISC SHUF" or "▶ SHUF▶"), or program play ("PGM").

\* When playing a CD-DA disc, ▶ (SHUF) Play performs the same operation as DISC (SHUF) Play.

## To select a CD track using the number buttons

Press the number buttons [27] on the remote during normal play. For example, to enter 20, press >10, 2, 10/0, in that order.

### Notes on Repeat Play

- All tracks or files on a disc are played repeatedly up to five times.
- You cannot select "REP" and "ALL DISCS SHUF" at the same time.
- "REP1" indicates that a single track or file is repeated until you stop it.

### Notes on playing MP3 discs

- Do not save other types of files or unnecessary folders on a disc that has MP3 files.
- Folders that have no MP3 files are skipped.
- MP3 files are played back in the order that they are recorded onto the disc.
- The system can only play MP3 files that have a file extension of ".MP3."
- If there are files on the disc that have the ".MP3" file extension, but that are not MP3 files, the unit may produce noise or may malfunction.
- The maximum number of:
  - folders is 150 (including the root folder).
  - MP3 files is 255.
  - MP3 files and folders that can be contained on a single disc is 300.
- folder levels (the tree structure of files) is 8.
- Compatibility with all MP3 encoding/writing software, recording device, and recording media cannot be guaranteed. Incompatible MP3 discs may produce noise or interrupted audio or may not play at all.

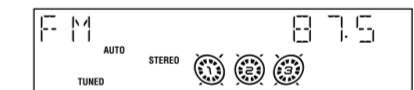
### Notes on playing multiresolution discs

- If the disc begins with a CD-DA (or MP3) session, it is recognized as a CD-DA (or MP3) disc, and playback continues until another session is encountered.
- A disc with a mixed CD format is recognized as a CD-DA (audio) disc.

## Listening to the radio

### To listen to FM or AM

- Select "FM" or "AM."
- Select TUNER/BAND [3] repeatedly. Press TUNING MODE [7] repeatedly until "AUTO" appears.
- Tune in the desired station. Press +/- on the remote (or TUNING +/- on the unit) [10]. Scanning stops automatically when a station is tuned in, and then "TUNED" and "STEREO" (for stereo programs) appear.



### To stop automatic scanning

Press ■ (stop) [10].

### To tune in a station with a weak signal

If "TUNED" does not appear and the scanning does not stop, press TUNING MODE [7] repeatedly until "AUTO" and "PRESET" disappear, and then press +/- on the remote (or TUNING +/- on the unit) [10] repeatedly to tune in the desired station.

### To reduce static noise on a weak FM stereo station

Press FM MODE [22] on the remote repeatedly until "MONO" appears to turn off stereo reception.

## To listen to XM

You can operate and listen to the XM satellite Radio by connecting your XM Connect-and-Play Antenna. Before using the system, connect the XM Connect-and-Play antenna to the XM jack of the system (see "Hooking up the system securely").

- Select "XM." Press XM on the remote (or TUNER/BAND repeatedly) [3].
- Select the All Channel mode. Press TUNING MODE [7] repeatedly until "CAT" and "PRESET" disappear.
- Tune in the desired channel. Press +/- on the remote (or TUNING +/- on the unit) [10] repeatedly.

### To select a channel by Category mode

- Press XM on the remote (or TUNER/BAND repeatedly) [3].
- Press TUNING MODE [7] repeatedly until "CAT" appears.
- Press CATEGORY +/- [10] repeatedly.
- Press +/- on the remote (or TUNING +/- on the unit) [10] repeatedly.

## To select a channel using the number buttons

Press the number buttons [27] on the remote. For example, to enter 20, press >10, 10/0, 2, 10/0, in that order. You cannot enter 255 or more.

### Notes

- If you select a channel that is not broadcasted, "OFF AIR" appears and the previous channel is selected.
- If you select a channel using the number buttons in Category mode, the tuning mode changes to All Channel mode automatically.

## Playing a tape

- Select a tape deck. Press TAPE (or TAPE A/B on the unit) [3] repeatedly.
- Insert a tape. Press PUSH ▲ [9] on the unit, and insert the TYPE I (normal) tape into the cassette holder with the side you want to play facing forward. Make sure there is no slack in the tape to avoid damaging the tape or the tape deck. Press PUSH ▲ [9] on the unit again to close the cassette holder.
- Start playback. Press ▶ (play) on the remote (or ▶|| (play/pause) on the unit) [10]. Do not eject the tape during playback or recording, as this may cause irreparable damage to the tape and the cassette holder.

To	Press
Pause playback	(pause) on the remote (or ▶   (play/pause) on the unit) [10]. To resume play, press the button again.
Stop playback	■ (stop) [10].
Rewind or fast forward	◀▶▶▶ (rewind/fast forward) [10].
Select Relay Play*	PLAY MODE [7] repeatedly until "RELAY" appears.

\* After the playback of the front side of deck A, deck B plays the front side, and then stops.

## Changing the display

To	Press
Change information on the display*	DISPLAY [6] repeatedly when the system is turned on.
Change Display mode (See below.)	DISPLAY [6] repeatedly when the system is turned off.

\* For example, you can view CD/CD-G/MP3 disc information, such as the track or file number or folder name during normal play, or the total playing time while the player is stopped. You can also view XM radio information, such as the channel name, song title and artist name.

The system offers the following display modes.

Display mode	When the system is off <sup>1)</sup>
Demonstration	The clock display is replaced by lighting and flashing of the display window.
Power Saving Mode <sup>2)</sup>	The display is turned off to conserve power. The timer and clock continue to operate.
Clock <sup>3)</sup>	The clock is displayed.

<sup>1)</sup> The STANDBY indicator [2] on the unit lights up when the system is off.

<sup>2)</sup> When the system is in Power Saving Mode, the following functions are unavailable:

- setting the clock.
- changing the AM tuning interval.
- turning on the system by pressing the function buttons (for example, CD [3]).
- changing the CD power management function.
- resetting the system to factory settings.

<sup>3)</sup> The clock display automatically turns to power save mode after 8 seconds.

### Notes on the display information

- The following are not displayed:
  - total playing time for a CD-DA disc depending on the play mode.
  - total playing time for an MP3 disc.
  - remaining playing time for an MP3 file.
- The following are not displayed correctly:
  - elapsed playing time of an MP3 file encoded using a VBR (variable bit rate).
  - folder and file names that do not follow either the ISO9660 Level 1, Level 2 or Joliet in the expansion format.
- The following are displayed:
  - ID3 tag information for MP3 files when ID3 version 1 and version 2 tags are used.
  - up to 30 characters of ID3 tag information using uppercase letters (A to Z), numbers (0 to 9), and symbols (" \$ % ' ( ) \* , - . / < > @ [ ] \_ { | } ! ? , )

## Using optional audio components

### To connect an optional headphones

Connect headphones to the PHONES jack [11] on the unit.

### To connect an optional component

Connect additional audio component to the AUDIO IN jack [12] on the unit using an audio analog cord (not supplied). Turn down the volume on the system, and then select the AUDIO IN function.

## Hooking up the system securely

### When carrying this system

- Remove all discs to protect the CD mechanism.
- Press CD [3] to select the CD function.
- Hold down ▶|| [10] on the unit, and press I/⏻ [1] on the unit until "STANDBY" appears.
- After "LOCK" appears, unplug the power cord.

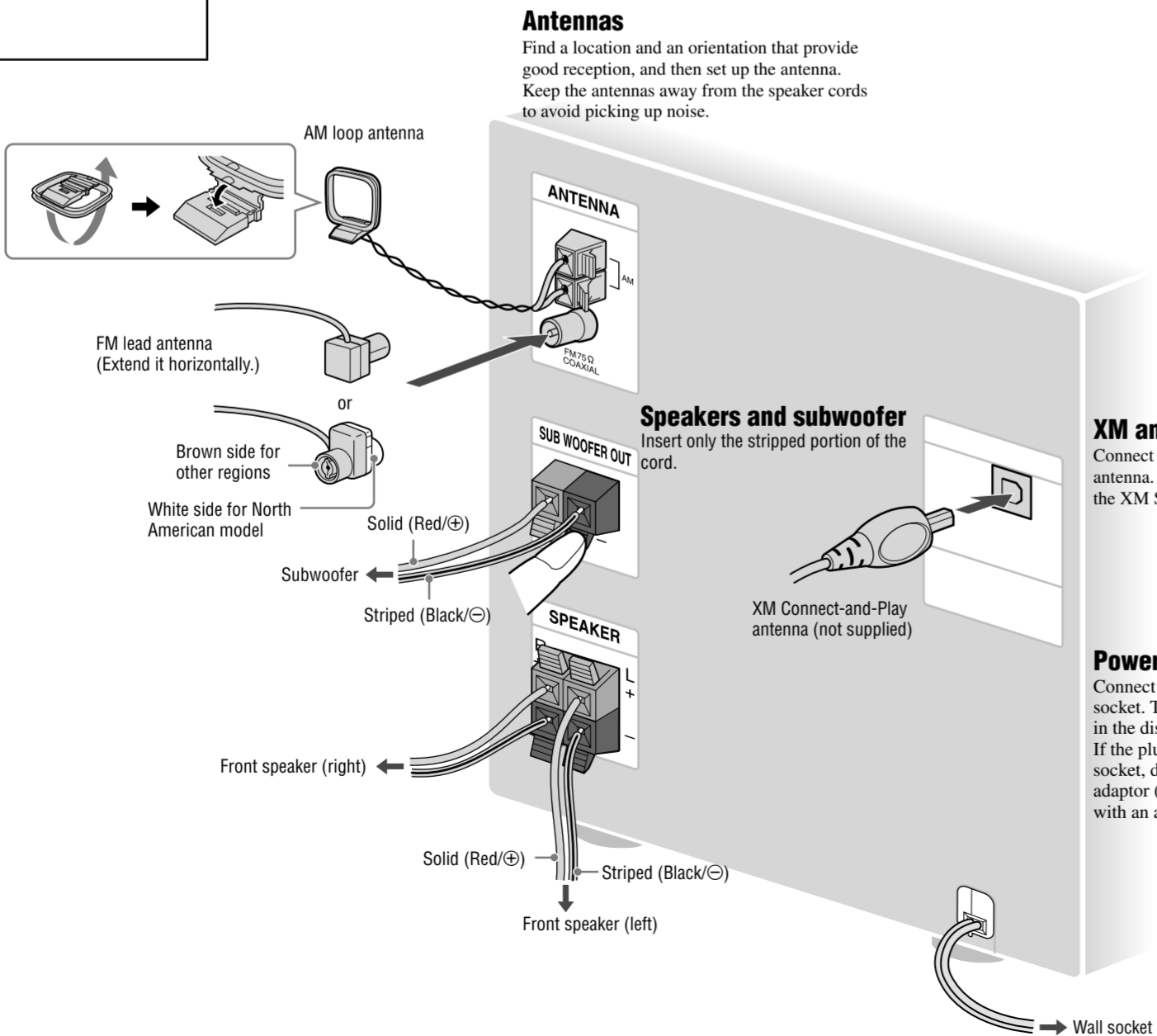
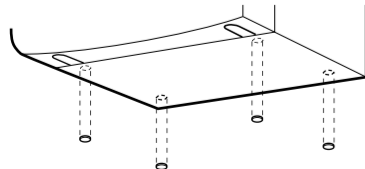
## Subwoofer

Place the subwoofer vertically to obtain a better bass reproduction. Also, position the subwoofer:
 

- on a solid floor where resonance is unlikely to occur.
- at least a few centimeters away from the wall.
- away from the center of the room or place a bookshelf against a wall, to avoid generating a standing wave.

## Speakers and subwoofer

Attach the supplied speaker pads to the bottom of the front speakers and subwoofer to prevent slipping.



### Antennas

Find a location and an orientation that provide good reception, and then set up the antenna. Keep the antennas away from the speaker cords to avoid picking up noise.

### Speakers and subwoofer

Insert only the stripped portion of the cord.

### XM antenna

Connect the XM Connect-and-Play antenna. For details, see "To receive the XM Satellite Radio."

### Power

Connect the power cord to a wall socket. The demonstration appears in the display. If the plug does not fit the wall socket, detach the supplied plug adaptor (only for models equipped with an adaptor).

## Other Operations

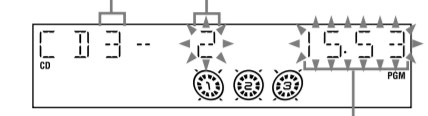
## Creating your own CD program (Program Play)

Use buttons on the remote to create your own program.

- Press CD   to select the CD function.
- Press PLAY MODE  repeatedly until “PGM” appears while the player is stopped.
- Press DISC SKIP  repeatedly to select a disc.
- Press  repeatedly until the desired track number appears.

When programming MP3 files, press  +/- (select folder)  repeatedly to select the desired folder, and then select the desired file.

Disc tray number   Selected track or file number



Total playing time of program (including selected track or file)

- Press ENTER  to add the track or file to the program.

“- - -” appears when the total program time exceeds 100 minutes for a CD, or when you select an MP3 file.
- Repeat steps 3 through 5 to program additional tracks or files, up to a total of 25 tracks or files.
- To play your program of tracks or files, press  (play) .

The program remains available until you open the disc tray. To play the same program again, press  (play) .

**To cancel Program Play**  
Press PLAY MODE  repeatedly until “PGM” disappears while the player is stopped.

**To delete the last track or file of the program**  
Press CLEAR  while the player is stopped.

**To view program information, such as total playing time and the number of tracks**  
Press DISPLAY  repeatedly while the player is stopped.

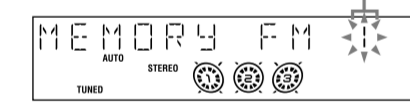
### Presetting radio stations

You can preset your favorite radio stations and tune them in instantly by selecting the corresponding preset number.

Use buttons on the remote to preset stations.

- Tune in the desired station (see “Listening to the radio”).
- Press TUNER MEMORY .

Preset number



- Press +/-  repeatedly to select your desired preset number.

If another station is already assigned to the selected preset number, the station is replaced by the new stations.
- Press ENTER .
- Repeat steps 1 through 4 to store other stations.

You can preset up to 20 FM, 10 AM and 20 XM stations. The preset stations are retained for about half a day even if you disconnect the power cord or if a power failure occurs.
- To call up a preset radio station, press TUNING MODE  repeatedly until “PRESET” appears, and then press +/-  repeatedly to select the desired preset number.

**Note on presetting XM stations**

You cannot preset XM stations except when you receive the station.

### Recording onto a tape

You can record on a TYPE I (normal) tape in two ways:

**CD Synchro Recording:**  
You can record an entire CD onto a tape.

**Manual Recording:**  
You can record just the portions you like from a sound source, including connected audio components.

Use buttons on the unit to control tape recording.

- Load a recordable tape into deck B with the side you want to record facing forward, and then press TAPE A/B  repeatedly to select TAPE B.
- Prepare the recording source.

For CD Synchro Recording:  
Press CD  to select the CD function. Load the disc you want to record, and press DISC SKIP  repeatedly to select the disc.

When recording a folder from an MP3 disc, press PLAY MODE  repeatedly to select “,” and then press  +/- (select folder)  repeatedly to select the desired folder.

To record only your favorite CD tracks or MP3 files in your desired order, perform steps 2 to 6 of “Creating your own CD program.”

For Manual Recording:  
Select the desired source to record.

- Set deck B to stand by for recording.

For CD Synchro Recording:  
Press CD SYNC .

For Manual Recording:  
Press REC PAUSE/START .

- Start recording.

While recording, you cannot listen to other sources.

For CD Synchro Recording:  
Press REC PAUSE/START . When the recording is completed, the CD player and the tape deck stop automatically.

For Manual Recording:  
Press REC PAUSE/START , and then start playing the desired recording source.

If there is noise while recording from the tuner, reposition the appropriate antenna to reduce the noise.

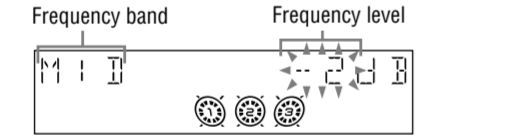
**To stop recording**  
Press  (stop) .

**Notes**  
• Recording stops if you change to a different function.  
• You cannot eject the disc during CD Synchro Recording.

### Creating your own sound effect

You can raise or lower the levels of specific frequency ranges, and then store the setting as “USER” in the memory.

- Select the audio emphasis you want for your basic sound using EQ on the remote, and SURROUND and GROOVE on the unit .
- Press EQ BAND  on the unit repeatedly to select a frequency band, and then turn the MULTI JOG dial  on the unit to adjust the frequency level. Repeat this for each band you want to adjust.



- Hold down EQ  on the remote until “COMPLETE” appears.
- Repeat steps 1 through 4 to store other stations.

The setting is stored in the memory.
- To call up the personal sound effect, press EQ  on the remote repeatedly until “USER” appears.

**To cancel the sound effect**  
Press EQ  on the remote repeatedly until “EQ OFF” appears.

### Using the Timers

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

**Sleep Timer:**  
You can fall asleep to music. This function works even if the clock is not set.

Press SLEEP  repeatedly. If you select “AUTO,” the system automatically turns off after the current disc or tape stops or in 100 minutes.
Do not select “AUTO” during Synchro Recording of a tape.

**Play Timer:**  
You can wake up to CD, tape or tuner at a preset time.

**Rec Timer:**  
You can record a preset radio station at a specified time.

Use buttons on the remote to control the Play Timer and the Rec Timer. Make sure you have set the clock.

- Prepare the sound source.

For Play Timer:  
Prepare the sound source, and then press VOLUME +/-  to adjust the volume.
To start from a specific CD track or MP3 file, create your own program.

For Rec Timer:  
Tune in the preset radio station.
- Press CLOCK/TIMER SET .
- Press  repeatedly to select “PLAY SET” or “REC SET,” and then press ENTER .

“ON” appears, and the hour indication flashes.
- Set the time to start playing or recording.

Press  repeatedly to set the hour, and then press ENTER .

The minute indication flashes. Use the procedure above to set the minutes.

- Use the same procedure as in step 4 to set the time to stop playing or recording.

- Select the sound source or prepare the tape.

For Play Timer:  
Press  repeatedly until the desired sound source appears, and then press ENTER . The display shows the timer settings.

For Rec Timer:  
Load a recordable tape into deck B. The display shows the timer settings.

- Press I/⏻ (power)  to turn off the system.

The system turns on 15 seconds before the preset time. If the system is on at the preset time, the Play Timer and the Rec Timer will not play or record.

**To activate or check the timer again**  
Press CLOCK/TIMER SELECT , press  repeatedly until “PLAY SELECT” or “REC SELECT” appears, and then press ENTER .

**To cancel the timer**  
Repeat the same procedure as above until “TIMER OFF” appears, and then press ENTER .

**To change the setting**  
Start over from step 1.

**Tips**  
• The Play Timer setting remains as long as the setting is not canceled manually.  
• The volume is reduced to minimum during the Rec Timer.  
• The Rec Timer is canceled automatically after the Rec Timer has been activated.

## Troubleshooting

- Make sure the power cord and speaker cords are correctly and firmly connected.
- Find your problem in the checklist below, and take the indicated corrective action.
  - If the issue persists, contact your nearest Sony dealer.

<b>If the STANDBY indicator flashes</b>
Immediately unplug the power cord, and check the following item.
• If your system has a voltage selector, is the voltage selector set to the correct voltage?
• Are the + and – speaker cords short-circuited?
• Are you using only the supplied speakers?
• Is anything blocking the ventilation holes on the back of the system?
After the STANDBY indicator <span><span><span></span></span></span> stops flashing, reconnect the power cord, and turn on the system. If the issue persists, contact your nearest Sony dealer.

#### General

**The display starts flashing as soon as you plug in the power cord even though you have not turned on the system.**

- Press DISPLAY  twice while the system is off. The demonstration disappears.

**Sound comes from one channel, or the left and right volumes are unbalanced.**

- Place the speakers as symmetrically as possible.
- Connect only the supplied speakers.

**Sound lacks bass.**  
• Check that the striped (or solid) cord is connected to the speaker’s – (or +) jack correctly.

**Severe hum or noise.**  
• Move the system away from sources of noise.  
• Connect the system to a different wall socket.  
• Install a noise filter (available separately) to the power cord.

**The remote does not function.**  
• Remove any obstacles between the remote and the remote sensor  on the unit, and position the unit away from fluorescent lights.  
• Point the remote at the system’s sensor.  
• Move the remote closer to the system.

#### CD/MP3 player

- The sound skips, or the disc will not play.**
  - Wipe the disc clean, and replace it.
  - Move the system to a location away from vibration (for example, on top of a stable stand).
  - Move the speakers away from the system, or place them on separate stands. At high volume, speaker vibration may cause the sound to skip.

**Play does not start from the first track.**  
• Press PLAY MODE  repeatedly until both “PGM” and “SHUF” disappear to return to normal play.

**Starting playback takes more time than usual.**  
• The following discs take a longer time to start playback.

- a disc recorded with a complicated tree structure.
- a disc recorded in multiseSSION mode.
- a disc that has not been finalized (a disc to which data can be added).
- a disc that has many folders.

#### Tuner

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

- Connect the antenna properly.
- Find a location and an orientation that provide good reception, and then set up the antenna again.
- Connect a commercially available external antenna.
- Turn off nearby electrical equipment.

#### Tape deck

**The sound exhibits excessive wow or flutter or dropout.**

- Clean the capstans and pinch rollers. Also, clean and demagnetize the tape heads. See “Precautions” for details.

#### XM

**The system cannot receive channels at all.**  
• Check that the XM Connect-and-Play antenna is connected.  
• The receiving condition is not good. Move to the place where the condition is good.  
• Check that you subscribed (See “To receive the XM Satellite Radio”).

**“TUNING” keeps appearing and channels cannot be received, or “ERR XXXX (XXXX are alphameric characters)” appears frequently.**

- Press I/⏻ (power)  to turn off the system, and press the button again to turn on the system. If the issue persists, the XM Connect-and-Play antenna may be broken. Have the antenna repaired or replace the antenna with another antenna.

**To change the AM tuning interval**  
The AM tuning interval is factory-preset to 9 kHz (or 10 kHz, for some areas). You cannot change the AM tuning interval in Power Saving Mode.

Use buttons on the unit to change the AM tuning interval.

- Tune in any AM station, and then turn off the system.
- While holding down TUNING – , press I/⏻ (power) .
  - All the AM preset stations are erased. To reset the interval to the factory preset, repeat the procedure.

#### To improve tuner reception

Turn off CD player power by using the CD power management function. By default, CD power is turned on. You cannot change the setting in Power Saving Mode.

Use buttons on the unit to turn off CD player power.

- Press CD  to select the CD function.
- Press I/⏻ (power)  to turn off the system.
- After “STANDBY” stops flashing, press I/⏻ (power)  while holding down  (stop) .
  - “CD POWER OFF” appears. With CD player power turned off, disc access time is increased. To turn on CD player power, repeat the procedure until “CD POWER ON” appears.

#### To reset the system to factory settings

If the system still does not operate properly, reset the system to factory settings. You cannot reset the system to factory settings in Power Saving Mode.

- Disconnect and reconnect the power cord, and then turn on the system.
- Press ,   and DISC 1  at the same time.
  - All user-configured settings, such as preset radio stations, timer, and the clock, are deleted.

## Messages

#### CD/MP3/Tuner/Tape

**COMPLETE** : The preset operation ended normally.  
**LOCKED** : The disc tray does not open. Contact your nearest Sony dealer.

**NO DISC** : There is no disc in the player, or you have loaded a disc that cannot be played.

**NO STEP** : All of the programmed tracks have been erased.

**NO TAB** : You cannot record because the overwrite protection tab has been removed from the cassette.

**NO TAPE** : There is no tape in the tape deck.

**NOT IN USE** : You pressed an invalid button.  
**OVER** : You have reached the end of the disc while pressing  (fast forward)  during playback or pause.

**PUSH SELECT** : You tried to set the clock or timer during timer operation.

**PUSH STOP** : You pressed PLAY MODE  during playback.

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

**SET CLOCK** : You tried to select the timer when the clock is not set.

**SET TIMER** : You tried to select the timer when the Play Timer or Rec Timer is not set.

**STEP FULL** : You tried to program more than 26 tracks or files (steps).

**OFF TIME NG** : The Play Timer or Rec Timer start and end times are set to the same time.

#### XM

**ANTENNA** : The XM Connect-and-Play antenna is not connected. Check the connection of the antenna cord, and then turn the system on again.

**CH – – –** : You have entered an invalid channel number. The channel is tuned-in is void due to the change by the broadcast service, or the receiving condition is not good.

**LOADING** : The system have not finished receiving the entire audio data or text information. Some buttons are not available.

**NO SIGNAL** : The receiving condition is not good. Try moving the antenna to another location. Make sure the antenna points south. For details about the antenna location, see the instructions supplied with the XM Connect-and-Play antenna.

**OFF AIR** : The channel is not broadcasted now.  
**UPDATING** : You have not subscribed for XM or the channel is not authorized. You need to subscribe for XM.

– – – : There is no text information or time information in the channel. This is not an error. The text information may not be displayed depending on the system condition, for example, right after the system has received a channel.

Display	indicates
<span><span><span></span></span></span>	2 (two)
<span><span><span></span></span></span>	5 (five)
<span><span><span></span></span></span>	6 (six)
<span><span><span></span></span></span>	8 (eight)
<span><span><span></span></span></span>	0 (zero)

Display	indicates
<span><span><span></span></span></span>	A
<span><span><span></span></span></span>	B
<span><span><span></span></span></span>	D
<span><span><span></span></span></span>	G
<span><span><span></span></span></span>	H
<span><span><span></span></span></span>	K
<span><span><span></span></span></span>	M
<span><span><span></span></span></span>	O
<span><span><span></span></span></span>	Q
<span><span><span></span></span></span>	R
<span><span><span></span></span></span>	S
<span><span><span></span></span></span>	Z
<span><span><span></span></span></span>	! or
<span><span><span></span></span></span>	..
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## Precautions

**Discs that this system CAN play**  
• Audio CD  
• CD-R/CD-RW (audio data/MP3 files)

**Discs that this system CANNOT play**  
• CD-ROM  
• CD-R/CD-RW other than those recorded in music CD format or MP3 format conforming to ISO9660 Level 1/Level 2, Joliet or multiseSSION  
• CD-R/CD-RW recorded in multiseSSION that have not ended by “closing the seSSION”  
• CD-R/CD-RW of poor recording quality, CD-R/CD-RW that have scratches or are dirty, or CD-R/CD-RW recorded with an incompatible recording device  
• CD-R/CD-RW which is finalized incorrectly  
• Discs containing files other than MPEG 1 Audio Layer-3 (MP3) files  
• Discs of non-standard shape (for example, heart, square, star)  
• 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

**Notes on discs**

- Before playing, wipe the disc with a cleaning cloth from the center out to the edge.
- Do not clean discs with solvents, such as benzine 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**

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall socket, even if the unit itself has been turned off.
- Completely disconnect the power cord (mains lead) from the wall socket (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.
- The AC power cord can be changed only by a qualified service facility.

**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, with 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 CD player, and cause the system to malfunction. In this situation, remove the disc, and leave the system turned on for about a few hours until the moisture evaporates.

**On heat buildup**

- Heat buildup on the unit during operation is normal and is not 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.

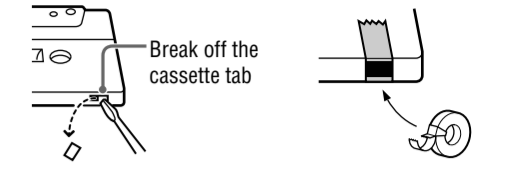
- Do not obstruct the ventilation holes.

**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, benzine, or alcohol.

**To prevent a tape from being accidentally recorded over**  
Break off the cassette’s overwrite protection tab from side A or B as illustrated.



To later reuse the tape for recording, cover the broken tab with adhesive tape.

**About a tape longer than 90 minutes**  
The use of the tape with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

**Cleaning the tape heads**  
Use dry- or wet-type cleaning cassette (available separately) after every 10 hours of use, before you start an important recording, or after playing an old tape. Failure to clean the tape heads can cause degraded sound quality or an inability of the unit to record or play tapes. For details, refer to the instructions of the cleaning cassette.

**Demagnetizing the tape heads**  
Use a demagnetizing cassette (available separately) after every 20 to 30 hours of use. Failure to demagnetize the tape heads can cause an increase in noise, a loss of high frequency sound, and an inability to completely erase tapes. For details, refer to the instructions of the demagnetizing cassette.

## Specifications

<b>Main unit</b>
<b>AUDIO POWER SPECIFICATIONS</b> POWER OUTPUT AND TOTAL HARMONIC DISTORTION (MHC-GX570XM The United States model only): With 6 ohm loads, both channels driven, from 120 – 10,000 Hz: rated 125 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.
<b>Amplifier section</b>
Front speaker: Continuous RMS power output (reference): 145 + 145 W (6 ohms at 1 kHz, 10% THD) Total harmonic distortion: less than 0.07% (6 ohms at 1 kHz, 80 W) Subwoofer: Continuous RMS power output (reference): 170 W (6 ohms at 80 Hz, 10% THD) Total harmonic distortion: less than 0.07% (6 ohms at 80 Hz, 90 W)
Inputs
AUDIO IN (stereo mini jack): voltage 250 mV, impedance 47 kilohms
Outputs
PHONES (stereo mini jack): accepts headphones of 8 ohms or more SPEAKER: accepts impedance of 6 to 16 ohms SUBWOOFER OUT: accepts impedance of 6 to 16 ohms

<b>CD player section</b>
System: Compact disc and digital audio system
Laser Diode Properties
Emission Duration: Continuous
Laser Output*: Less than 44.6µW
* This output is the value measurement at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7mm aperture.
Frequency response: 20 Hz – 20 kHz