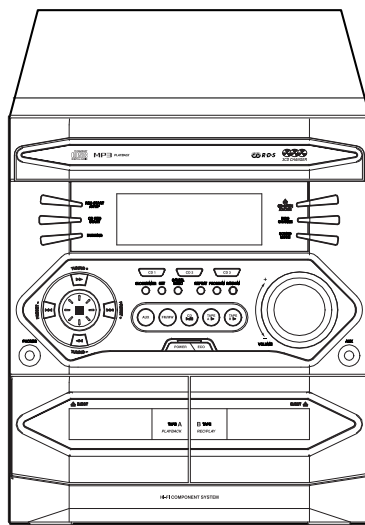# Goodmans

MINI SYSTEM WITH MP3 DECODER

6160

USER'S MANUAL

Important Notes

Hearing is Very important to you and to us so please take care when operating this equipment. It is strongly recommended that you follow the listed guidelines in order to prevent possible damage or loss of hearing:

ESTABLISH A SAFE SOUND LEVEL

- Over time your hearing will adapt to continuous loud sounds and will give the impression that the volume has in fact been reduced. What seems normal to you may in fact be harmful. To guard against this **BEFORE YOUR HEARING ADAPTS** set the volume at a low level.
- Slowly increase the level until you can hear comfortably and clearly and without distortion.
- Damage to your hearing is accumulative and is irreversible.
- Any ringing or discomfort in the ears indicates that the volume is too loud.

Once you have established a comfortable listening level, DO NOT INCREASE THE SOUND LEVEL FURTHER.

The following list of typical sound levels may assist you in recognizing just how loud you have set the volume level.

DECIBEL

Level dB	Example
30dB	Quiet library, soft whisper.
40dB	Living room, fridge freezer bedroom away from traffic.
50dB	Normal conversation, quiet office, light traffic.
60dB	Electric sewing machine.
70dB	Vacuum cleaner, hair dryer, noisy restaurant.

THE FOLLOWING NOISE CAN BE HARMFUL UNDER CONSTANT EXPOSURE

80dB	Average city traffic. Alarm clock buzzer at 2 feet, food mixer.
90dB	Motorcycle, heavy goods vehicle. Petrol lawn mower.
100dB	Pneumatic drill, chain saw, garbage truck, discotec / night-club.
120dB	Rock band concert, thunderclap.

PERMANENT LOSS OF HEARING

|	
140dB	TNRESHOLD OF PAIN Gunshot 2 feet away.
180dB	Rocket Launching pad.

IMPORTANT SAFEGUARDS

PRE FITTED MAINS PLUGS

For your convenience a mains plug has been fitted to this appliance. For your
safety please observe the following information.

1. Should the fuse in the plug remove the plug from the wall socket and replace the fuse with a 3 Amp ASTA approved to BS 1362 fuse.

2. Never use the plug without the fuse cover fitted. Replacement fuse covers are available from your dealer or most electrical retail outlets.

3. If the cable of the mains plug is cut off the cable, rewire the replacement plug in accordance with instruction given in this manual.

4. **CAUTION:** Under no circumstances should the discarded plug be inserted mains socket. To prevent a shock hazard carefully dispose of the discarded plug. Do not leave the plug lying around where children might see it.

WARNING: To prevent fire or shock hazard do not expose this unit to rain or moisture.

CAUTION: DANGEROUS VOLTAGES EXIST INSIDE THIS UNIT. DO NOT REMOVE COVER (OR BACK), NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DISCONNECT FROM MAINS SUPPLY WHEN NOT IN USE.

PLUG WIRING DETAILS
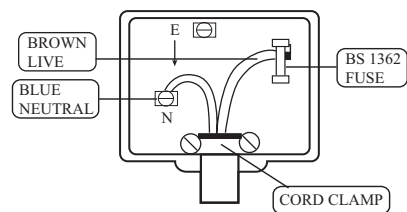
The wires in this mains lead are coloured in accordance with the following winng codes;

Blue .... Neutral
Brown .... Live

The wires in this mains lead must be connected to the terminates in the plugs as follows:

Blue .... Nor Black
Brown Wire .... Lor Red

Only a 3 Amp fuse should be fitted in the plug or a 5 Amp fuse at the distribution board.

WARNING: UNDER NO CIRCUMSTANCES MUST THE LIVE OR NEUTRAL WIRES BE CONNECTED TO THE EARTH TERMINAL IN A 3 -PIN MAINS PLUG.

This symbol means that this unit is double insulated.
An earth connection is not required.

CAUTION

CLASS 1 LASER PRODUCT

Use of Controls or adjustments or pertormance of procedures other than those specified herein may result in hazardous radiation exposure.

LASER SAFETY

This unit employs a laser, only qualified service personnel should attempt repair.

DANGER: INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED.AVOID DIRECT EXPOSURE TO BEAM.

CAUTION: HAZARDOUS LASER RADIATION WHEN OPEN AND INTERLOCK OR DEFEATED.

CAUTION

CLEANING: Always disconnect unit from mains supply before attempting to clean it. Use soft cloth moistened with soapy water. Wipe gently. Do not use solvents or abrasive materials.

SOME DO'S AND DON'T'S ON THE SAFE USE OF EQUIPMERT

This equipment has been designed and manufactured to meet European safety standards but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

Do read the operating instructions before you attempt to use the equipment.

Do ensure that all electrical connections (Including the mains plug. Extension leads and interconnections between pieces of equipment) are properly made in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.

Do consult your dealer if you are ever in doubt of the installation, operating, or safety of your equipment.

Don't continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way-switch off. Withdraw the mains plug and consult your dealer.

Don't remove any fixed covers as this may expose dangerous voitages.

Don't leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure that your family knows how to do this Special arrangements may need to be made for infirm or handicapped people.

Don't listen to headphones at high volume, as such use can permanently damage your hearing.

Don't obstruct the ventilation of the equiment. For example with curtains or soft furnishings.

Overheating will cause damage and shorten the life of the equipment.

Don't allow electrical equipment to be exposed to rain or moisture.

Above all

— Never let anyone, especially children, push anything into holes, slots or any other opening as this could result in a fatal electric shock.
— Never guess or take chances with electrical equipment of any kind.
— It is better to be safe than sorry!

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

HELPLINE PHONE NUMBER 0870 873 0080

# Table of Contents

Getting Started

Accessories

Make sure that you have all of the following items, which are supplied with the System.

    MW Loop Aerial (1)
    FM Wire Aerial (1)
    Remote Control (1)
    Batteries (2)

If any of these items are missing, contact your dealer immediately.

How To Put Batteries In the Remote Control

Match the polarity (+ and –) on the batteries with the + and – markings in the battery compartment.

R6P(SUM-3)/AA(15F)
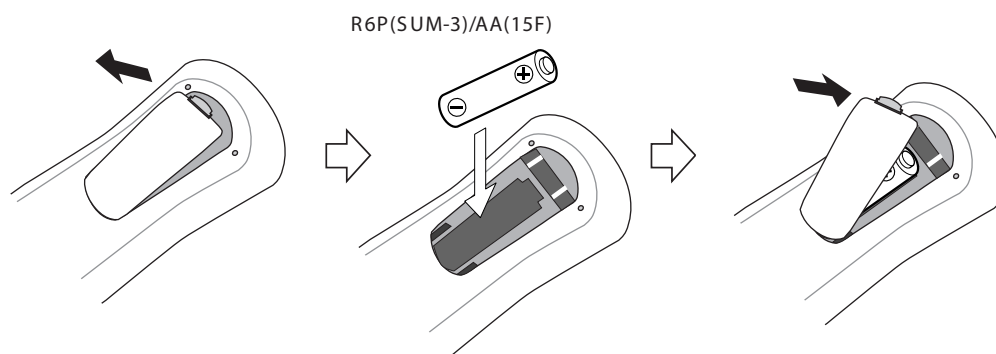
⚠CAUTION:
• **Handle batteries properly.**

❏ To avoid battery leakage or explosion:
   • Remove batteries when the Remote Control will not be used for a long time.
   • When replace the batteries require replacing, replace both batteries at the same time with new ones.
   • Do not use an old battery with a new one.
   • Do not use different types of batteries together.

Using the Remote Control

The Remote Control makes it easy to use many of the functions of the System from a distance of up to 7m (23 feet) away.
Point the Remote Control at the remote sensor on the System's front panel.

Remote sensor
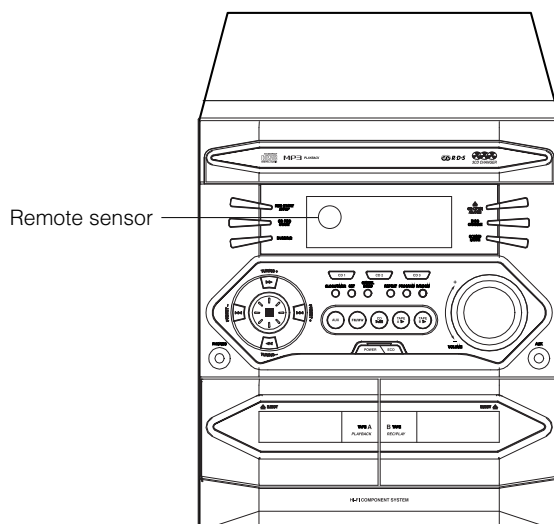
⚠ *CAUTION:*

• **Make all connections before plugging the System into an AC power outlet.**

Connecting the FM Aerial

Using the Supplied Wire Aerial

FM wire aerial (supplied)
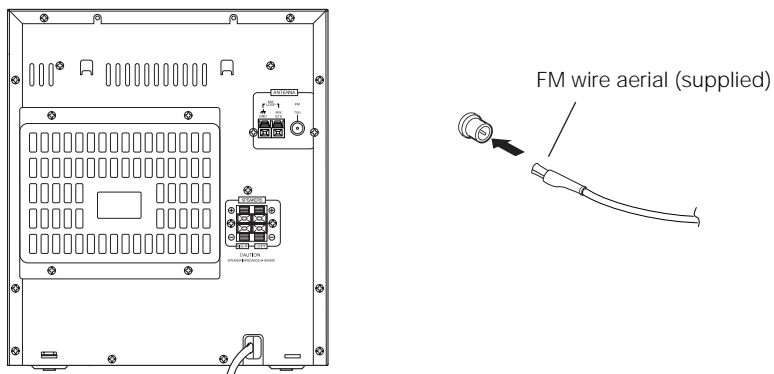
Using external Aerial (Not supplied)

If reception is poor when using the supplied wire aerial, connect an outdoor aerial.

FM outdoor aerial
(Not supplied)

Coaxial cable
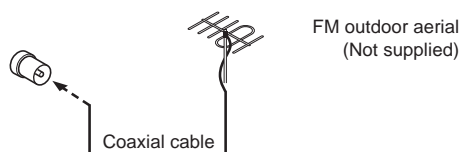
Note

• *Before attaching a 75 ohm coaxial lead (the kind with a round wire going to an outdoor aerial), disconnect the supplied FM Wire Aerial.*

Connecting the MW Aerial

Rear Panel of the Unit

MW aerial wire (not supplied)
If reception is poor, use an external aerial (not supplied).

Rotate the loop aerial until you have the best reception.

MW loop aerial (Supplied)

Attach the MW loop to its base by snapping the tabs on the loop into the slot in the base.

Note

• *Even when connecting an outside MW aerial , keep the indoor MW loop aerial connected.*

⚠ CAUTION:
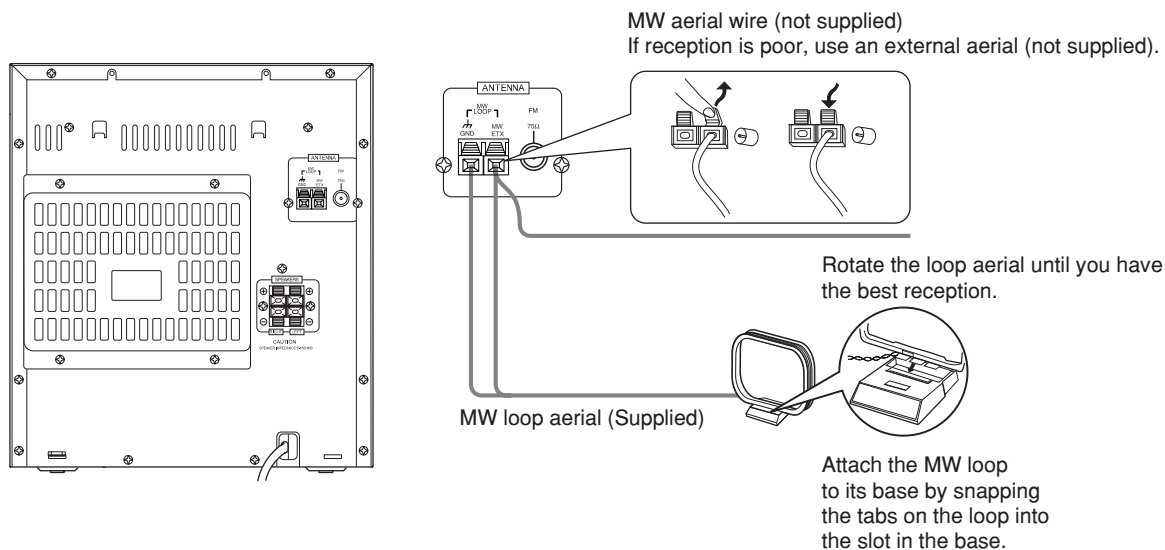• **To avoid noise, keep the aerials away from the System, the connecting cords and the AC power cord.**

Connecting the Speakers

Connect the right speaker to the RIGHT speaker terminals and the left speaker to the LEFT speaker terminal.

1. Connect the speaker cords to the Speaker terminals of the Unit.

   Connect the Grey (+) and with black line (–) cords of the right speaker to the red (+) and black (–) terminals marked RIGHT on the System.
   Connect the Grey (+) and with black line (–) cords of the left speaker to the red (+) and black (–) terminals marked LEFT on the System.

Right side (rear view)

Left side (rear view)

Grey

Grey

Grey with black line

Grey with black line
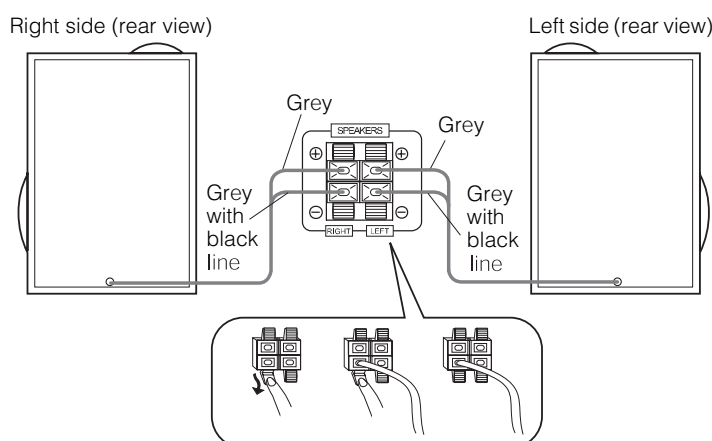
⚠ CAUTIONS:
• **Please note the speakers are not magnetically shielded and may cause distortion on the TV.
  If this happens move the speakers away from the TV.**

Connecting External Equipment

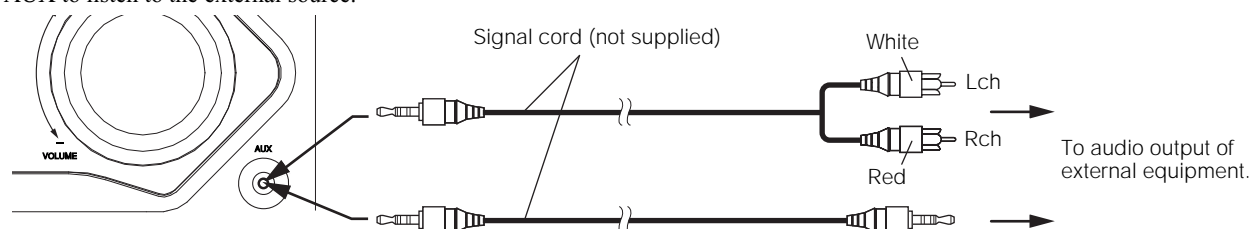Connect a signal cord with stereo mini 3.5mm plugs (not supplied) between the System's AUX socket on the front panel and the audio output socket or output terminals of the external portable CD, MD player, STB, etc.
Press AUX to listen to the external source.

Connecting to the Wall Outlet

Plug the AC power cord into the wall outlet.
Now, your System is at your command!

DEMO Mode

When the System is connected to the wall outlet, a DEMO mode displaying some of the system's features automatically starts.

To turn the DEMO display off, press any of the operation buttons. The DEMO display automatically stops.
To turn the DEMO display on, press the CANCEL DEMO button on the Unit for more than 2 seconds.

Note
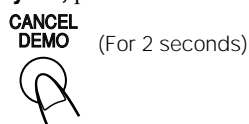
• *While the System is turned on, the DEMO display will automatically starts if no operation is made for 2 minutes. To cancel this auto DEMO display function, press the CANCEL button on the Unit during DEMO display.*

AUTO Play

AUTO PLAY feature lets you control the most frequently used System functions with a single touch.
With One Touch Operation you can play a CD, a tape, turn on the radio, or listen to an external equipment with a single press of the button for that function. One Touch Operation turns the power on for you, then starts the function you have specified. If the System is not ready (no CD or tape in place), the System still powers on so you can insert a CD or tape.
How One Touch Operation works in each case is explained in the section dealing with that function.
The AUTO PLAY buttons are:

On the Unit
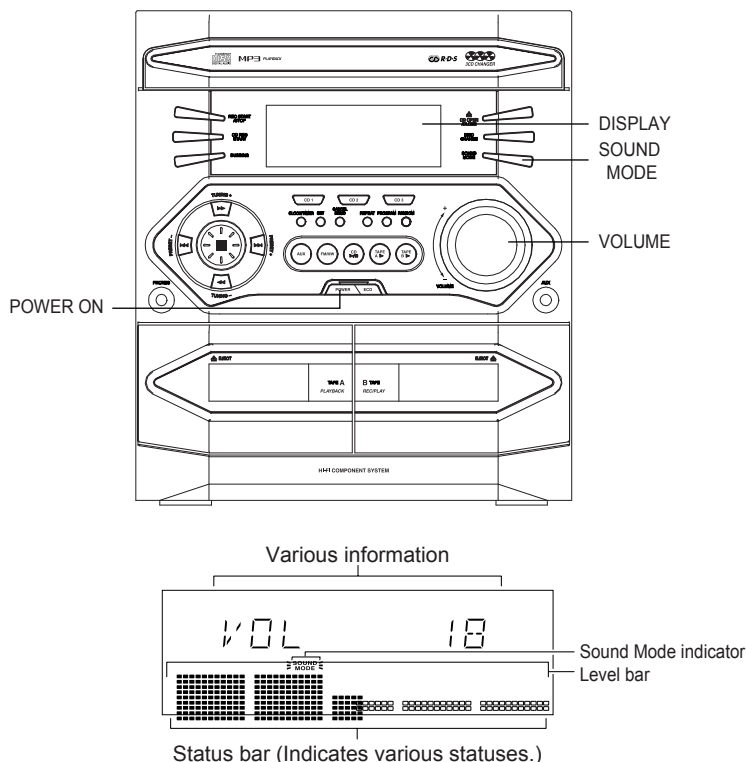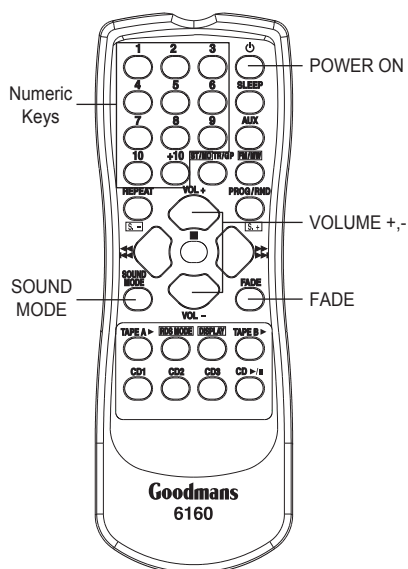
CD ▶/❙❙ button
FM/MW(AM) button
TAPE A ▶, TAPE B ▶ buttons
AUX button
CD1, CD2 and CD 3 buttons
CD Open/Close ▲ button

On the Remote Control

CD ▶/❙❙ button
FM/MW(AM) button
TAPE A ▶, TAPE B ▶ buttons
AUX button
CD1, CD2 and CD 3 buttons

Basic Operations

Numeric Keys

POWER ON

VOLUME +,-

SOUND MODE

FADE

DISPLAY
SOUND MODE

VOLUME

POWER ON

Various information

Sound Mode indicator
Level bar

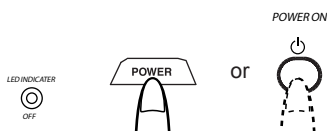Status bar (Indicates various statuses.)

* When the System is in use, the display shows other items as well.
For simplicity, we show here only the items described in this section.

Turning the Power On and Off

Turning the System On

1 Press the ☼ POWER ON button.

LED INDICATER
OFF

POWER   or   POWER ON

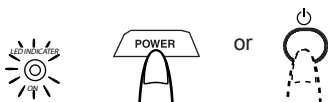The display turns on and "POWER ON" is displayed in the display.
The STANDBY indicator will turn off.
The last source listened to when the unit was turned off will be selected.
• For example, if you were listening to the Tuner when you turned off the unit, the Tuner will play the station it was last set to.

Turning the System Off

1 Press the ☼ POWER ON button again.

LED INDICATER
ON

POWER   or

"GOOD BYE" is displayed and the display turns off, except for the clock display. The STANDBY indicator lights up. (The display is dimmed.)
• Some power is always consumed even though power is turned off (called Standby mode).

• To switch off the System completely, unplug the AC power cord from the wall outlet. When you plug the AC power cord back in, the clock will be reset to 0:00.

ECO Mode (ECO)

The System has three energy modes; power on, power off (Standby) and ECO. In ECO mode, the display goes off and the least power is consumed.

To enter ECO mode, press the ECO button on the Unit in Standby mode (while the STANDBY indicator lights up). "ECO MODE" appears on the display, then the display goes off. The STANDBY indicator remains lit.
To cancel ECO mode and turn on the power, press the ☼/I button on the Unit.
To cancel ECO mode and enter Standby mode, press the ECO button again.

Adjusting the Volume

Turn the VOLUME control on the Unit clockwise to increase the volume or turn it counterclockwise to decrease the volume.
Press the VOLUME + button on the Remote Control to increase the volume or press the VOLUME – button on the Remote Control to decrease the volume.

$$VOL \qquad 18$$

You can set the volume level to MIN, 1-31, or MAX.

Note

• *When you turn the power off at a volume level of over 19, the volume level is automatically set to 18 when the power is turned back on.*

For private listening

Connect a set of headphones to the PHONES jack. The sound from the speakers will be automatically turned off.
Be sure to turn down the volume before connecting or putting on headphones.

Fade-out Muting (FADE)

To mute the output, press the FADE button on the Remote Control. The output is reduced until the sound is muted.
To release muting, press the FADE button once again.
The output is increased to the previous level.
• Turning the VOLUME control on the unit or pressing the VOLUME button on the Remote Control will increase the volume from the previous level.

Selecting the Preset EQ (SOUND MODE)

The sound mode can be used to add spacial effects to the audio output. Please note: This effect will only apply to playback not recoredings.

Press the SOUND MODE button until the Sound Mode required is shown on the display.
The "SOUND MODE" indicator lights up in the display.
Each time you press the button, the Sound Mode changes as follows:

FLAT ➜ ROCK ➜ POP ➜ CLASSIC ➜ (back to the beginning)

To cancel the effect, press the SOUND MODE button until "FLAT" appears on the display.
The "SOUND MODE" indicator goes off.

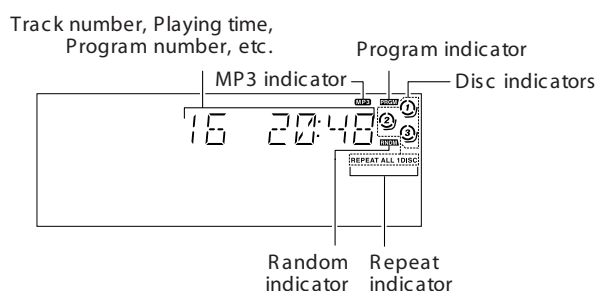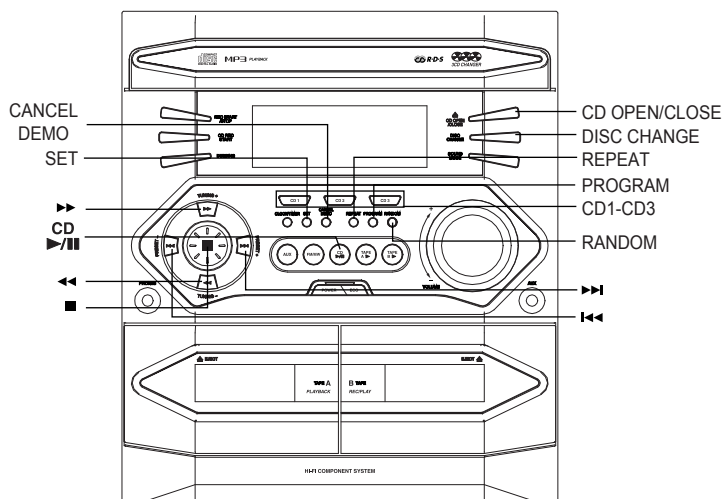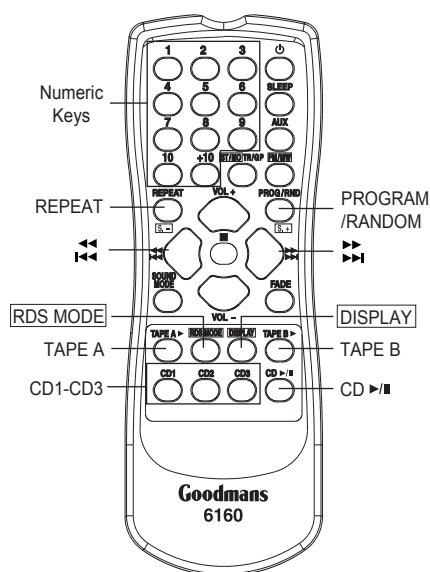|	
FLAT	No sound effect applied.
ROCK	Boosts low and high frequencies. Good for acoustic music.
POP	Good for vocal music.
CLASSIC	Set for wide and dynamic sound stereo systems.

Entering Numbers with the Remote Control (Numeric Keys)

The numberical keys can be used to preset stations, recall the preset stations, or to program CDs.

Examples:
• To enter number 5, press 5.
• To enter number 15, press +10, then 5.
• To enter number 20, press +10, then 10.
• To enter number 25, press +10, +10, then 5.

Using the CD Player

Track number, Playing time, Program number, etc.

Program indicator

MP3 indicator

Disc indicators

Random indicator   Repeat indicator

* When the System is in use, the display shows other items as well.
  For simplicity, we show here only the items described in this section.

This unit has been designed to playback the following CDs:
• Audio CD
• CD-R (CD-Recordable)
• CD-RW (CD-ReWritable)
• MP3 disc (MP3 files recorded on a CD-R or CD-RW)*

When playing a CD-R or CD-RW
• User-edited CD-Rs (CD-Recordable) and CD-RWs (CD-ReWritable) can be played back when the discs are "finalised."

*For MP3 discs
• This unit manages files and folders on MP3 discs as "tracks" and "albums."
• Playback order of the MP3 files (tracks) recorded on a disc are determined by the writing (or encoding) application; therefore, playback order may be different from the one you have intended while recording the files and the folders.
• This unit shows the file (track) names and ID3v2 tags (only "Title", "Artist" and "Album") on the display after playback starts; however, there is a limitation on available characters and some file names and ID3 tags may not be shown correctly.

Notes

More about MP3 discs
• *MP3 discs (either CD-R or CD-RW) may take a longer time to read after being insetted due to the characteristics of MP3 discs.*
• *When making an MP3 disc, select ISO 9660 Level 1 or Level 2 as the disc format.*
• *This unit does not support multisession recording.*
• *This unit can play MP3 files only with the following file extensions— ".MP3," ".Mp3," ".mP3," and ".mp3."*
• *Non-MP3 files are ignored. If non-MP3 files are recorded together with MP3 files, this unit will take a longer time to scan the disc. It may also cause the disc to not play.*
• *Some MP3 discs may not be played back because of their disc characteristics or recorded conditions. This is normal and is not an error written the system.*

About Disc Indicator:

Disc Rotation indicator

Disc Number indicator

Selected Disc indicator
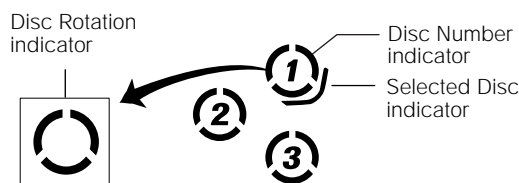
The Disc indicator consists of the following three kinds of indicators:

Disc Number indicator: Lights all the time.
Selected Disc indicator: Lights for the currently selected disc number.
Disc Rotation indicator: Rotates when the selected CD is playing or paused. This indicator goes out if a CD is not inserted in this slot.

One Touch Play

❏ By pressing the CD ▶/❚❚ button, the System will turn on, and if a CD is loaded for the disc number that was last selected when the unit was turned off, it will start playing from the first track.

❏ By pressing the CD1-CD3 button, the System will come on, and if a CD is already loaded in the selected slot, it will start play from the first track.

To Load CDs

1 Press the CD Open/Close ⏏ button on the Unit to open the tray.

2 Place one or two CDs, with its label side up, onto the tray.
Be sure that the CD is securely localed inside the recess on the disc tray.

With the label side up
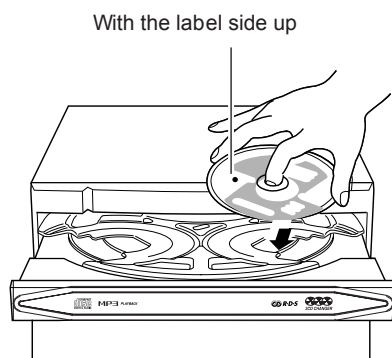
3 Press the DISC SKIP button on the Unit and place the next CD.
When you press the button, the tray turns for the next CD.

4 Press the CD Open/Close ⏏ button on the Unit.
The tray will close.

❏ When you useing an 8 cm (3") CD, place it on the inner circle of the tray.

❏ CDs can be loaded currently while listening to the other source or while listening to the CD being played back.

❏ When power is turned off with the tray opened, the tray is automatically closed.

❏ If the CD cannot be read correctly (because it is scratched, for example), " NO DISC" will be shown on the display.

To Eject CDs

1 While the CD Player is stopped, press the CD Open/Close ⏏ button on the Unit to open the tray.

2 Remove the CD, then press the DISC SKIP button on the Unit.
The tray turns for the next CD.

3 Repeat step 2 to remove all the CDs.

4 Press the CD Open/Close ⏏ button on the Unit to close the tray.

❏ You can remove CDs while listening to the other source.

Tips:

• **Removing/changing the CDs during playback**
While playing back a CD (e.g. CD1), you can remove or change the other CDs (e.g. CD2 and CD3) by pressing the CD Open/Close ⏏ button. After removing or changing, press the same button to close the tray.

Changing the MP3 Playback Mode

When playing an MP3 disc, you can choose the playback mode of the MP3 disc as follows:

TRACK mode:
The unit recognizes only tracks (files). The MP3 disc will play like an Audio CD.

GROUP mode:
The unit recognizes tracks (files) and albums (folders) on an MP3 disc. The MP3 disc will play according to the way how they are grouped in folders on the disc.

On the remote control ONLY:

Press ST/MO TR/GP before or during playing an MP3 disc.

GROUP indicator appears when the MP3 playback mode is the GROUP mode.

• Each time you press the button, the MP3 playback mode changes between "GROUP" and "TRACK" alternately.

Normal Play

To Play CDs

1 Load CDs.

2 Press one of the Disc button (CD1-CD3).

The selected disc number (e.g. "CD DISC 1") appears on the display.
The first track of the selected CD begins playing. When the first CD finishes playing, the second and the third CDs will then be played.
When the last CD has finished playing, the CD Player automatically stops.

❏ You can start to play the currently selected disc by simply pressing the CD ▶/❚❚ button.
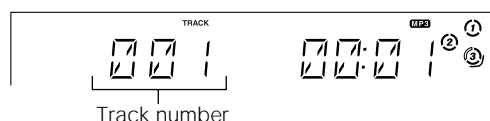
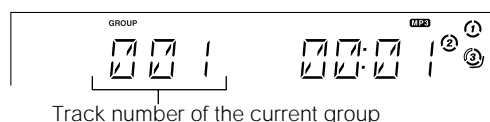While playing the CD, the following will appear on the display.

For Audio CD
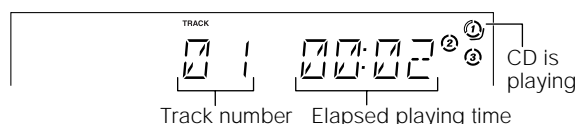
Track number   Elapsed playing time   CD is playing

For MP3 disc

TRACK mode

Track number

• After the display above is shown, if the tracks include ID3 tags, the display will scroll and show the file name, title, artist, and album, then will return to the original display.
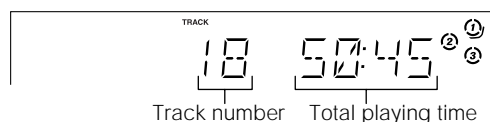
GROUP mode

Track number of the current group

• After the display above is shown, if the tracks include ID3 tags, the display will scroll and show the file name, title, artist, and album, then will return to the original display.

When the Disc button (CD1-CD3) is pressed with the tray opened, the tray is closed and the selected CD automatically begins playing.
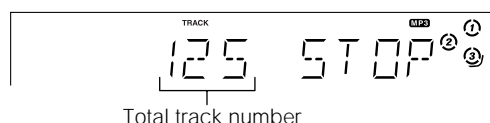
To stop playing the CD, press the ■ button. The following in-
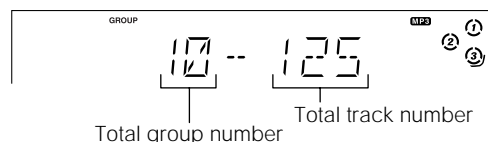
For Audio CD

Track number   Total playing time

For MP3 disc

TRACK mode

Total track number

GROUP mode

Total group number   Total track number

To pause, press the CD ▶/❚❚ button. The elapsed playing time indication will flash on the display.
To cancel pause, press the CD ▶/❚❚ button again. Play continues from the point where it was paused.

Tips:
• **Changing CD using the DISC SKIP button**
The CDs can also be changed using the DISC SKIP button. During playback, each time you press the button, the next CD is automatically played back. If the next disc tray is empty, the disc tray is automatically skipped.

To Select a Track

During playback (using the I◀◀ or ▶▶I button):
Briefly press the I◀◀ or ▶▶I button to select the track you want to play, except for MP3 group mode.
By pressing the button, you can skip to the next track or skip back to the previous track.
• The selected track starts playing.
• Press the ▶▶I button once to skip to the beginning of the next track.
• Press the I◀◀ button to skip to the beginning of the current track. Press twice quickly to skip to the beginning of the previous track.

In Stop mode (using the I◀◀ or ▶▶I button):
• Pressing the I◀◀ button to skip to the previous track.
• Pressing the ▶▶I button to skip to the next track.

Using the numeric keys on the Remote Control:
Using the numeric keys, you can directly select the track on the currently selected CD.
• The selected track starts playing.
For example, press +10, then 5 to play back the track number 15.
See "Entering the Number with the Remote Control" on page 8.
In MP3 group mode:
The selected track of the current group starts playing.

Tips:
• **For MP3 discs**
When the selected track starts playing, information of that track scrolls on the display, in the order of file name, title, artist, and album. In the TRACK mode, when the CD is stopped, the file name will scroll on the display. In the GROUP mode, when the CD is stopped, the file name, and then group (folder) name will scroll on the display.

To Select a Group (For MP3 GROUP mode only)

During playback (using the I◀◀ or ▶▶I button):
Briefly press the I◀◀ or ▶▶I button to select the group to be played.
• The first track of the selected group starts playing.

In Stop mode (using the I◀◀ or ▶▶I button):
Briefly press the I◀◀ or ▶▶I button to select the group to be played. The group number, the group name and the file name of the first track scroll on the display.

Search Play

Holding down the following buttons, during playback, will search the track forward/backwards so you so that find a particular passage in the track can be found quickly.
• ◀◀ or ▶▶ button on the Unit
• I◀◀ or ▶▶I button on the Remote Control

Programme Playback

The playing order of the tracks on all the CDs can be programmed. Note that the unit can only be programmed when the CD Player is stopped.

❏ Up to 32 tracks can be programmed in any desired order including the same tracks.

For MP3 discs
• *Please note MP3 discs can not be programmed.*

To Make a Program

1 Load CDs

2 In Stop mode

On the Unit
Press the PROGRAM button to light the "PRGM" indicator on the display.
At the same time, "PROGRAM" appears on the display.

On the Remote Control
Press the PROGRAM/RANDOM button until "PROGRAM" appears on the display.
The "PRGM" indicator also lights up on the display.
Each time the button to pressed, the playback mode changes as follows:
PROGRAM → RANDOM → Normal display (Normal Play) →
(back to the beginning)
• If a program is already stored, the last step of the program will be displayed.

### 3 Press one of the Disc buttons (CD1-CD3) to select the CD to be programmed.

The display will change to the Program Entry display.

Disc number   Track number

4 Select the track you want to program.
Using the Unit

While the display is blinking, press the I◀◀ or ▶▶I button on the Unit to select the track, then press the SET button within 7 seconds. The program order number will be assigned from P-1.

Disc number   Track number

SET

Program order number
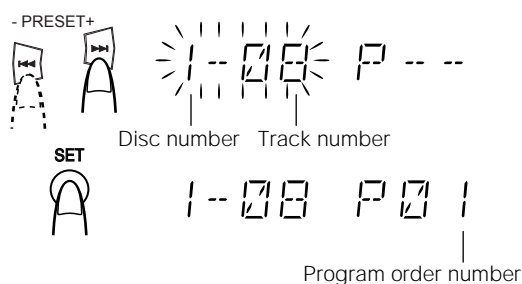
Using the Remote Control
Press the numeric keys to directly enter the track number. Then, the program order number will be assigned from P-1.
• To delete the current program step, press the CANCEL DEMO button on the Unit.

5 Repeat steps 3 and 4 to program other tracks on the same CD or the other CD.

6 To play the program, Press the CD ▶/II button.

To check the programmed contents, while the CD player is stopped, select Program mode by pressing the program button and press the I◀◀ or ▶▶I button on the Remote Control (or unit).
To delete all the tracks in the program, while the CD Player is stopped, press the ■ button or open the tray by pressing the ▲ button.
To Modify the Program, while the CD Player is stopped and the program mode is selected, press the CANCEL button, the last track in the program is deleted. To add new tracks to the end of the program, repeat above steps 3 and 4.

• *If you try to program a track number that does not exists on the CD, your entry will be ignored.*
• *If you try to program the 33rd track, "FULL" appears on the display.*

To Play the Program

Press the CD ▶/II button.
The System plays the tracks in the order you have programmed them.
• To repeat the programme again and again, press the REPEAT button to select "REPEAT" while in program mode before starting playback. For details, see "Repeat" on page 13.
❏ You can skip to a particular program track by pressing the I◀◀ or ▶▶I button during Program Play.
❏ To stop playing, press the ■ button once. If you press the ■ button, while the CD Player is stopped, the program is deleted.

To Exit and Re-enter Program Play

The program you have made is stored in memory. So, you can exit Program Play temporarily or re-enter Program Play unless you delete the program.
To exit the program mode once, press the ■ button to stop playing. The "PROG" indicator goes off and the Program mode will be canceled. But the program is still stored in the memory.
To re-enter Program Play mode, press the PROGRAM or PROGRAM/RANDOM button until the "PRGM" indicator lights up again.

Random Play

The tracks of the selected CD will play in random order when this mode is selected.

1 In Stop mode, set the CD Player in Random Play mode.

On the Unit

Press the RANDOM button to light the "RNDM" and "1 DISC" indicator.
At the same time, "RANDOM" appears on the display.

On the Remote Control

Press the PROGRAM/RANDOM button until the "RANDOM" appears on the display.
The "RNDM" and "1 DISC" indicator also lights up on the display.
Each time the button is pressed, the playback mode changes as follows:
PROGRAM → RANDOM → Normal display (Normal Play) → (back to the beginning)

2 Press the CD ▶/❙❙ button.

The tracks on the CD are played in random order.

To stop playing, press the ■ button. The Random mode is canceled and the "RNDM" and "1 DISC" indicator goes off.
To skip a track during playback, press the ▶▶❙ button to jump to the next track in the random sequence.

REPEAT

Press the REPEAT button.

The Repeat indicator changes with each press of the button, as follows:
REPEAT ALL→ REPEAT 1DISC→ REPEAT 1→ Blank display(repeat off) → (back to the beginning)

REPEAT ALL: In Normal Play mode, all the tracks on all the CDs are repeated.
REPEAT 1DISC: Repeats all tracks on one CD. (Selectable in Normal Play only)
REPEAT 1: Repeats one track.

In Program Play mode, the Repeat indicator changes with each press of the REPEAT button, as follows:
REPEAT↔ Blank display
Only the tracks in the program are repeated.

To stop playing, press the ■ button. Changing the source to a different one (e.g. Tuner) will also stop playing. The Repeat mode is canceled and the Repeat indicator goes off.

Tray Lock Function

In order to safely keep the CD in the CD Player, the tray can be electronically locked.
When the electronic lock is on, the tray cannot be opened even if the CD Open/Close ▲ button on the Unit is pressed.

Locking the Tray

1 Turn on the System and enter CD mode.

2 While pressing down the ■ button, press the CD Open/Close ▲ button on the Unit.

"LOCKED" appears on the display.

• If you try to open the tray by pressing the ▲ button, "LOCKED" appears on the display to let you know that the tray has been locked.

Unlocking the Tray

Repeat above steps 1 and 2.
"UNLOCKED" appears on the display.
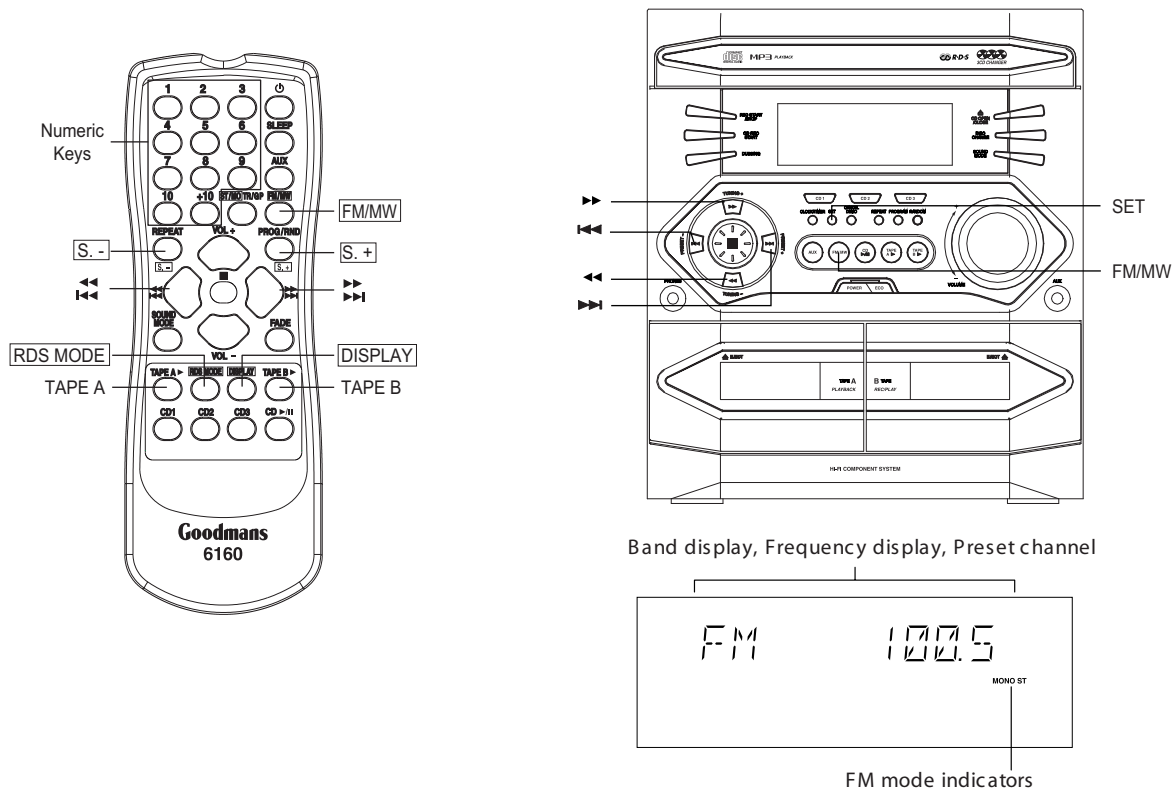

Now, you can use the tray normally.

Note

• *Even after the System is unplugged, the tray lock condition will be retained for a few days. To unlock the tray after powering up, you need to perform the unlocking operation.*

Using the Tuner

Numeric Keys

FM/MW

S. -

S. +

RDS MODE

DISPLAY

TAPE A

TAPE B

Goodmans 6160

SET

FM/MW

Band display, Frequency display, Preset channel

FM mode indicators

*   When the System is in use, the display shows other items as well.
    For simplicity, we show here only the items described in this section.

Stations can be tuned in manually, automatically, or from preset memory storage.

❑ Before listening to the radio:
*   Make sure that both the FM and MW aerials are correctly connected. (See pages 4 and 5).

One Touch Radio

Just press the FM/MW button to turn on the System and start playing the station that was listend to be when the system was tuned off.

❑ You can switch from any other sound source to the radio by pressing the FM/MW button.

Tuning In a Station

1 **Press the FM/MW button.**

The Band and Frequency you were last tuned to appear on the display.
(If the last station was selected using the preset number, the preset number appears first.)
Each time you press the button, the band alternates between FM and MW.

(on the Unit)   (on the Remote Control)
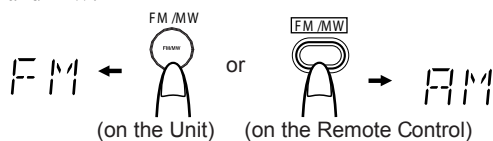
2 **Select a station using one of the following methods.**

*   **Manual Tuning**
    Briefly press the ◄◄ or ►► button repeatedly until you find the station you want.

    OR

*   **Auto Tuning**
    Press and hold down the ◄◄ or ►► button for 1 second or more and then release it, the frequency is scanned, automatically until a station is found.

    OR

*   **Preset Tuning (Possible only after presetting stations)**
    Preset tuning using the Unit:
    Select the preset number you want, using the I◄◄ or ►►I button.

Example:

Press the ►►I button until the preset number "P12" appears on the display. Then, the display will show the preset number's band and frequency.
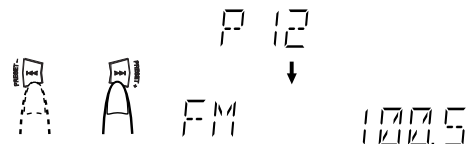
Preset tuning using the Remote Control:
Enter the preset number you want to recall using the numeric keys. See "Entering Numbers with the Remote Control" on page 8.

Note

• *MW reception can sometimes be improved by rotating the MW loop aerial.*

Presetting Stations

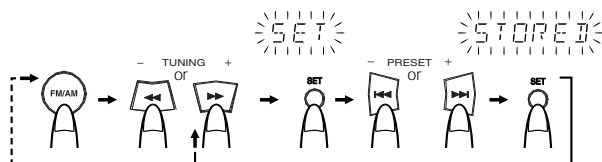Up to 30 FM stations and up to 15 MW stations can be stored in presets.

Note

• *During presetting stations, if no button is pressed for 5 seconds, the display returns to the band/frequency display. In this case, repeat steps from the beginning.*

1 **Select a band by pressing the FM/MW button.**

2 **Press the ◄◄ or ►► button to tune in a station.**

3 **Press the SET button.**
   "SET" will flash for 5 seconds.

4 **While "SET" is flashing, press the |◄◄ or ►►| button to select the preset number.**
   ►►|:   Increases the preset number by 1.
   |◄◄:   Decreases the preset number by 1.

5 **Press the SET button.**
   "STORED" appears, and after 2 seconds, the display returns to the band/frequency display.

6 **Repeat above steps 2 to 5 for each station you want to store in memory with a preset number.**

To change the preset stations, repeat the same steps as above.

Note

• *In step 4, you can select the preset number using the numeric keys on the Remote Control.*

⚠ *CAUTION:*

• **Even if the System is unplugged or if the power failure occurs, the preset stations will be stored for a few days. However, if the preset stations are erased, you will need to preset the stations again.**

FM Reception Mode

When you are tuned in to an FM stereo broadcast, the "ST (Stereo)" indicator lights up and you can hear stereo effects.
If an FM stereo broadcast is hard to receive or noisy, you can select Monaural mode. Reception improves, but is lost stereo effect.

Press the ST/MO button on the Remote Control so that the "MONO" indicator lights up on the display.
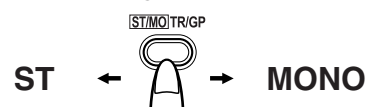
ST ← → MONO

To restore stereo, press the ST/MO button on the Remote Control so that the "MONO" indicator goes off.
Selecting other station will also cancel the FM Mono mode and restore the stereo effect.

Receiving FM Stations With RDS

RDS allows FM stations to send additional signals with their regular program signals. For example, the stations send their station names, and information about what type of program they broadcast, such as sports or music, etc, This Unit can receive the following types of RDS signals:

PS (Program Service):
shows commonly known station names.

PTY (Program Type):
shows types of broadcast program.

**RT (Radio Text):**
Shows text messages the station sends.

What information can RDS signals provide?
The display shows RDS signal information that the station sends.

To show the RDS signals on the display
Press the DISPLAY MODE button while listening to an FM station.

Each time the DISPLAY button to pressed, the display changes to show information in the following order:
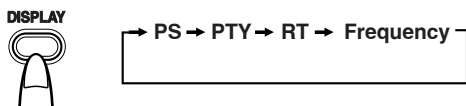
On the Remote Control

PS (Program Service):
"PS" will show on the display. Then, the RDS indicator lights up and the station name appears. "NO PS" appears if no signal is sent or received.

PTY (Program Type):
"PTY" will show on the display. Then, the RDS indicator lights up and the broadcast program type appears. "NO PTY" appears if no signal is sent or received.

RT (Radio Text):
"RT" will show on the display. Then, the RDS indicator lights up and a text message sent by the station appears.
"NO RT" appears if no signal is sent or received.

Station Frequency:
Station frequency (non-RDS service).

Notes

- *If you press the DISPLAY MODE button while listening to an MW station, the display only shows station frequuency.*
- *RDS is not available for MW broadcasts.*
- *Please note if reception is poor RDS information may not be received.*
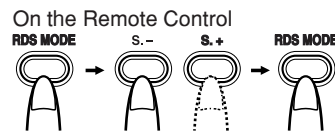
When the display shows PS, PTY or RT signals:
- The display shows upper case letters only.

To search for a program by PTY codes
One of the advantages of the RDS service is that you can locate a particular kind of program by specifying the PTY codes.

To search for a program using PTY codes:

On the Remote Control

1 Press the RDS MODE button once while listening to an FM station.
"P. SELECT" appears on the display.

2 Select the PTY code using the SELECT + or - button within 10 seconds.
Each time the button is pressed, the display shows a category in the following order:

NEWS ↔ AFFAIRS ↔ INFO ↔ SPORT ↔ EDUCATE ↔ DRAMA ↔ CULTURE ↔ SCIENCE ↔ VARIED ↔ POP M ↔ ROCK M ↔ MO.RM ↔ LIGHT M ↔ CLASSICS ↔ OTHER M ↔ WEATHER ↔ FINANCE ↔ CHILDREN ↔ SOCIAL A ↔ RELIGION ↔ PHONE IN ↔ TRAVEL ↔ LEISURE ↔ JAZZ ↔ COUNTRY ↔ NATIONAL ↔ OLDIES ↔ FOLK M ↔ DOCUMENT ↔ NEWS

3 Press the RDS MODE button within 10 seconds again.
While searching, "SEARCH" and the selected PTY type flash alternately appear on the display.
The Unit searches and stops when it finds a station of the category you have selected, then tunes into that station.

To continue searching after the first stop, press the RDS MODE button again while the display indications blink.
If no program is found, "NOT" and "FOUND" flash alternately appear on the display.
To stop searching at any time during the process, press the RDS MODE button to stop search operation.

Descriptions of the PTY Codes

|	
NEWS:	News
AFFAIRS:	Topical programs expanding on the current news or affairs
INFO:	Programs on medical service, weather forecasts, etc.
SPORT:	Sports events
EDUCATE:	Educational programs
DRAMA:	Radio plays
CULTURE:	Programs on national or regional culture
SCIENCE:	Programs on natural sciences and technology
VARIED:	Other programs like comedies or ceremonies
POP M:	Pop music
ROCK M:	Rock music
MO.RM:	Middle-of-the road music (usually called "easy listening")
LIGHT M:	Light music
CLASSICS:	Classical music
OTHER M:	Other music
WEATHER:	Weather information
FINANCE:	Reports on commerce, trading, the Stock Market, etc.

CHILDREN: Entertainment programs for children
SOCIAL A: Programs on social activities
RELIGION: Programs dealing with any aspect of belief or faith, or the nature of existence or ethics
PHONE IN: Programs where people can express their views either by phone or in a public form
TRAVEL: Programs about travel destinations, package tours, and travel ideas and opportunities
LEISURE: Programs concerned with recreational activities such as gardening, cooking, fishing, etc.
JAZZ: Jazz music
COUNTRY: Country music
NATIONAL: Current popular music from another nation region, in that country's language
OLDIES: Classic pop music
FOLK M: Folk music
DOCUMENT: Programs dealing with factual matters, presented in an investigative style

To temporarily switch to a broadcast program of your choice

RDS mode is another convenient RDS service that allows this Unit to switch temporarily to a broadcast program of your choice (NEWS, TA or INFO) from the currently selected station, except if you are listening to a non-RDS station (all AM (MW) stations or some FM stations).
- The RDS function is only applicable to the preset stations.
- If an FM station does not broadcast RDS mode information, RDS mode cannot be activated.

To select a program type

On the Remote Control

RDS MODE → S. – → S. + → RDS MODE
(twice)
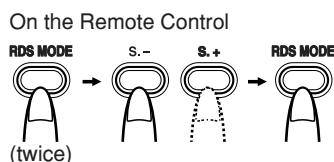
1 Press the RDS MODE button twice while listening to an FM station.
"E. SELECT" appears on the display.

2 Select the program type using the SELECT + or - button within 10 seconds.
The display shows a program type in the following order:

TA ↔ NEWS ↔ INFO
↳ OFF ↲

TA: Traffic Announcement
NEWS: News
INFO: Programs on medical service, weather forecast, etc.
OFF: RDS mode off

3 Press the RDS MODE button within 10 seconds again to set the selected program type.
The selected program type indicator lights up on the display, and the Unit enters RDS Standby mode.
- The RDS indicator lights up when tuned to a station which provides RDS mode information.

Case 1: If there is no station broadcasting the type of program you have selected

The broadcast station being currently heard will continue to be heard.
↓
When a station starts broadcasting the program you have selected, this unit automatically switches to the station. The program type (TA, NEWS or INFO) indicator starts blinking.
↓
When the program is over, this Unit goes back to the station previously listened to, but still remains in RDS Standby mode.

Case 2: If there is a station broadcasting the type of program you have selected

This Unit tunes to the station broadcasting the program. The program type (TA, NEWS or INFO) indicator starts blinking.
↓
When the program is over, this Unit goes back to the station previously listened to, but still remains in RDS Standby mode.

To stop listening to the program selected by RDS mode

Fllow the steps under "To select a program type" until "OFF" is shown in the display.

Notes

- *In RDS standby mode, if you change the source or turn off the power, RDS standby mode is canceled.*
- *When the RDS is in standby mode and a radio broadcast is being recorded, be careful because the RDS may be activated and a different program than the intended one may be recorded.*
  When the RDS mode is not required, turn off the RDS mode.

Using the Cassette Deck (Listening to a Tape)
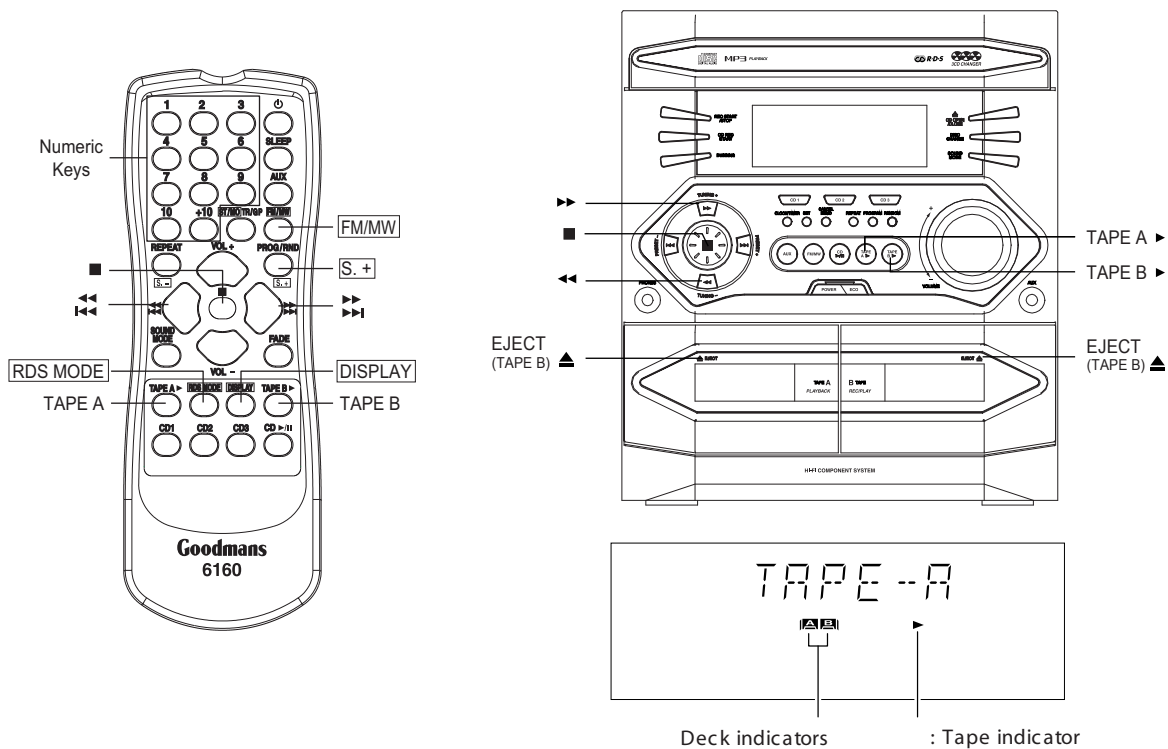
Deck indicators   : Tape indicator

* When the System is in use, the display shows other items as well.
  For simplicity, we show here only the items described in this section.

The Cassette Deck allows you to play, record, and dub audio tapes.

❑ Listening to type I tape is suitable for this Cassette Deck.

**The use of tapes 120minutes or longer is not reco-
mmended, since characteristic deterioration may
occur and these tapes easily jam in the pinch-rollers
and the capstans.**

One Touch Play

By pressing the TAPE A ▶ or TAPE B ▶ button, the System will
come on, and if a tape is in the deck, it will start to play. If no tape
is loaded, "NO TAPE" appears on the display, the System will
come on and wait for you to insert a tape, or select another function.

Playing a Tape

Either Deck A or Deck B can be used for playback.

**1 Press the ⏏ PUSH OPEN part for the deck
to be opened.**

**2 Insert a cassette, with the exposed part of the
tape down, toward the base of the Unit.**

The tape will travel from the left to right.
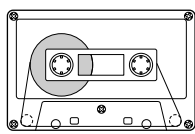
Tape travelling direction

• If the cassette holder does not open, turn the System off,
  then back on and press the ⏏ PUSH OPEN part again.

3 Close the cassette holder gently.

When both Deck A and Deck B contain a tape, the last deck to
have a tape inserted is selected.

4 Press the TAPE A ▶ or TAPE B ▶ button.

The selected Deck appears (for example, TAPE-A) and the
Deck indicator "A" or "B" lights up on the display.
The Tape indicator (▶) blinks on the display and the tape is
played back.
The Cassette Deck automatically stops when one side of the
tape has finished playing.

To stop playing, press the ■ button.
To remove the tape, stop the tape, and press the ⏏ PUSH
OPEN part to open the Cassette Holder.

To Fast-Wind a Tape

During playback or in Stop mode, press the ▶▶ (FF) button on the
Unit to fast forward the tape without playing. (You can also use the
▶▶I button on the Remote Control.)
During playback or in Stop mode, press the ◀◀ (REW) button on
the Unit to rewind the tape.
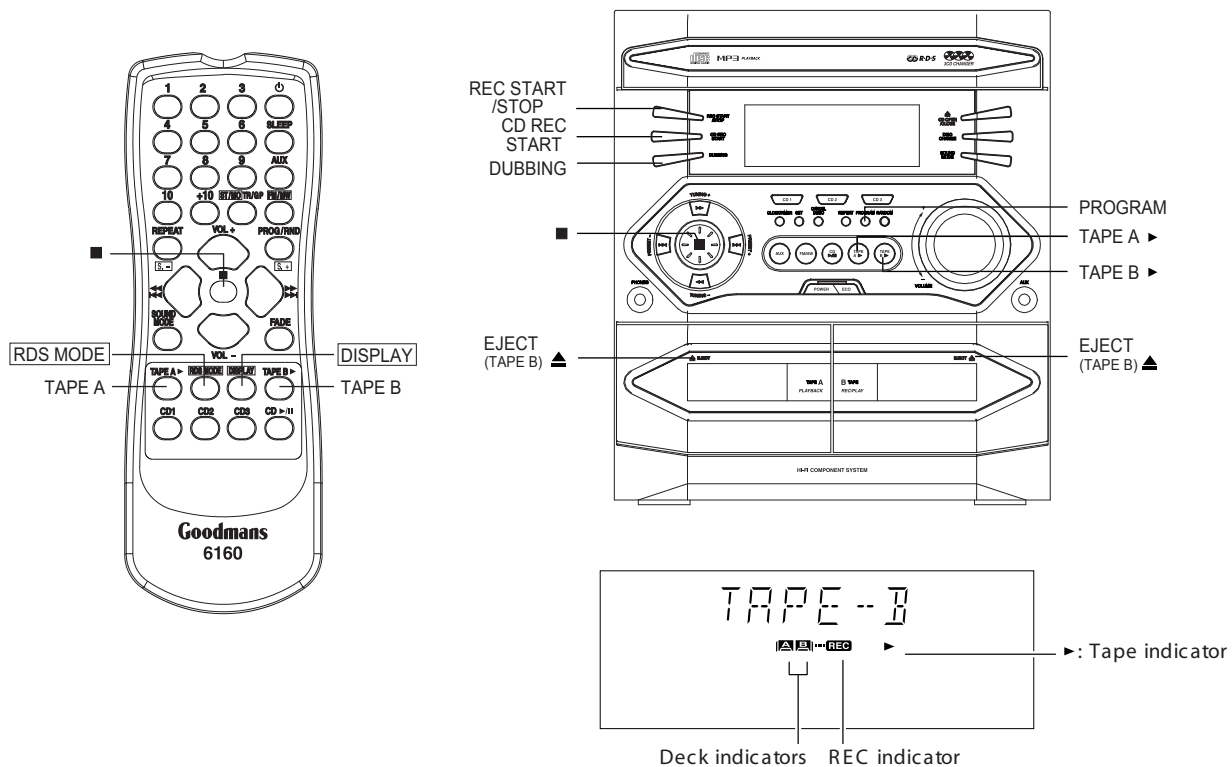(You can also use the I◀◀ button on the Remote Control.)
During fast forward or rewind the tape, the Tape indicator
(▶) goes out.
During fast forward, the status bar illumination at the bottom of
the display moves counterclockwise.
During rewinding, it moves clockwise.
• The Cassette Deck automatically stops when one side of the
  tape has finished playing.

Using the Cassette Deck (Recording)

REC START
/STOP
CD REC
START
DUBBING

PROGRAM
TAPE A ►
TAPE B ►

EJECT
(TAPE B) ▲

EJECT
(TAPE B) ▲

RDS MODE
TAPE A

DISPLAY
TAPE B

Goodmans
6160

```
TAPE-B
```

A B ···REC   ►   ►: Tape indicator

Deck indicators   REC indicator

*   When the System is in use, the display shows other items as well.
    For simplicity, we show here only the items described in this section.

Recording onto a cassette from any of the sound sources is simple. Just place a tape in Deck B, have the source ready, make one or two settings, and you're ready to record. For each source, the procedure is a little bit different so each to explained separately. But first, here are a few things to make your recordings better.

Things To Know Before You Start Recording

❏ **It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable program and in any literary, dramatic, musical, or artistic content embodied therein.**

❏ The recording level, which is the volume at which the new tape is being made, is automatically set correctly, so it is not affected by the VOLUME Control on the System. Also, it is not affected by adjusting the sound effects. Thus, during recording, you can adjust the sound you are actually listening to without affecting the recording level.

❏ Two small tabs on the back of the cassette tape, one for side A and one for side B, can be removed to prevent accidental erasure or recording.
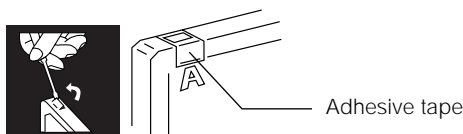
Adhesive tape

❏ To record on a cassette with the tabs removed, you must cover the holes with adhesive tape first.

❏ Type I tape can be used for recording.

Note

• At the start and end of cassette tapes, there is leader tape which cannot be recorded onto. Thus, when recording CDs, radio broadcasts, etc., wind on the leader tape first to ensure getting the beginning of the recording.

⚠CAUTION:

• **If a recording you make has excessive noise or static, the Unit may have been too close to a TV which was on during the recording. Either turn off the TV or increase the distance between the TV and the Unit.**

Standard Recording

This is the basic method for recording any source. The System also has special ways for recording CD to tape, and tape to tape, which save you time and effort, as well as give you some special features. However, when you need to add a selection to a tape you have made, or are combining selections from several sources on one tape, use the method described below; just substitute the source you want into this procedure, such as a tape in Deck A, a CD, or the Tuner. You can also record from an external equipment with this procedure.

To Record Any Sound Source to Tape

Follow these steps to record from any sound source onto a tape in Deck B.

1 Insert a blank or erasable tape into the Deck B and wind past the tape leader.
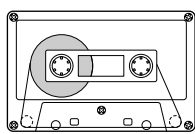
Tape travelling direction

2 Prepare the source, by, for example, tuning in a radio station, loading CDs, or turning on connected equipment.
- For CD recording, see "CD Synchro Recording" mentioned below.
- For dubbing, see "Tape to Tape Recording (DUBBING)" described below.

3 Press the REC START/STOP button on the Unit.
The "REC" indicator lights up and the System begins recording.
The Tape indicator (►) blinks on the display.
- If the tab of the cassette tape on the Deck B is removed to prevent erasure or recording, "NO REC" will appear on the display.

To stop during recording, press the REC START/STOP button on the Unit, or press the ■ button.

Recording an MW Station to Tape (Beat Cut)

When recording an MW broadcast, beats may be produced which are not heard when listening to the broadcast. If this happens, press the ST/MO TR/GP button on the Remote Control to eliminate the beats.

1 Set to MW station and start recording.

2 Press the ST/MO TR/GP button on the Remote Control to eliminate the beats.
Each time you press the button, the display changes as shown below:
BEAT 1 ←→ BEAT 2

CD Synchro Recording

Everything on the CD will be recorded onto the tape in the order it is on the CD, or according to the order you have set in a program.

1 Prepare CDs. (See page 10.)
Press the CD1-3 button (that you want to make recording from), and then press the ■ button.
- If you want to record specific tracks only, you need to program the tracks beforehand. (See page 12.)
- If you want to record one CD only, you need to load one CD only.

2 Insert a blank or erasable tape into the Deck B and wind past the tape leader.

3 Press the CD REC START button on the Unit.
"CD REC" appears on the display and the "REC" indicator lights up. Then, the System begins CD Synchro Recording and the tracks on the CD are recorded on the tape.
When recording of the tracks of all CDs is finished, the CD Player and Cassette Deck stop.
- If the tab of the cassette tape on the Deck B is removed to prevent erasure or recording, "NO REC" will appear on the display.
- After the CD Player has played the entire CD or all the programmed tracks, the tape automatically stops.

To stop at any time during the recording process, press the ■ button. The CD Player and Cassette Deck stop.

Note
- *When setting SLEEP timer while CD Synchro recording, set enough time to allow for the CD to finish playing, otherwise the power will go off before recording is completed.*

Tape to Tape Recording (DUBBING)

Recording from one tape to another is called dubbing.
You can dub tapes simply, with just a single button.

1 Press the TAPE A ► button, and then press the ■ button.

2 Insert the source cassette you want to copy from into Deck A for playback.

3 Insert a blank or erasable cassette you want to copy onto into Deck B for recording.

4 Press the DUBBING button on the Unit.
Deck A and Deck B will start simultaneously and the "REC" indicator lights up.
During dubbing, the Deck indicators "A" and "B" light up alternately.
- If no tape is inserted into Deck A, "NO TAPE" will appear on the display.
- If no tape is inserted into Deck B, "NO TAPE" will appear on the display.

To stop dubbing, press the REC START/STOP button on the Unit or the ■ button.

Note
- *During dubbing, you can hear sound effects through the speakers or headphones. However, the sound is dubbed without sound effects.*

Using an External Equipment

AUX

AUX

AUX socket
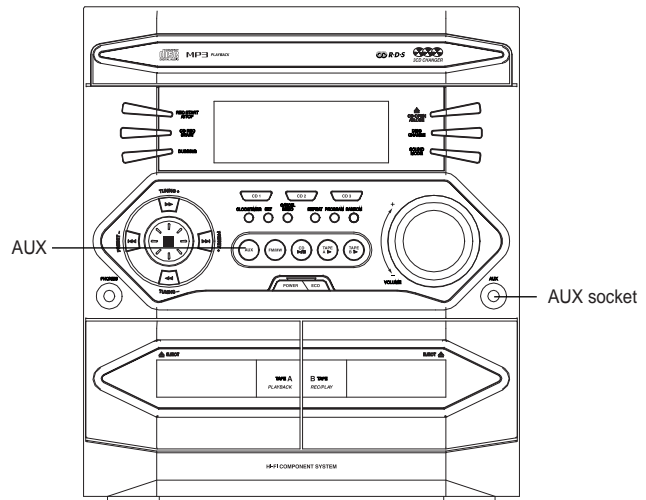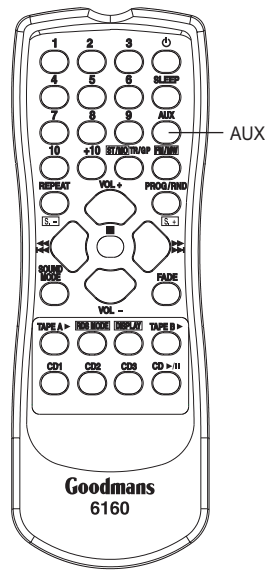
Listening to the External Equipment

You can listen to the external equipment such as portable CD, MD player, STB, or other auxiliary.

❏ First, make sure that the external equipment is properly connected to the System. (See page 6.)

1 **Set the volume level to the minimum position.**

2 **Press the AUX button.**
"AUX IN" appears on the display.

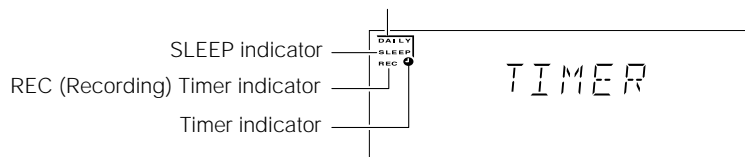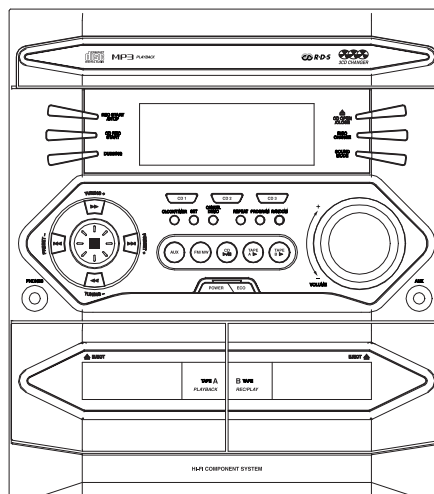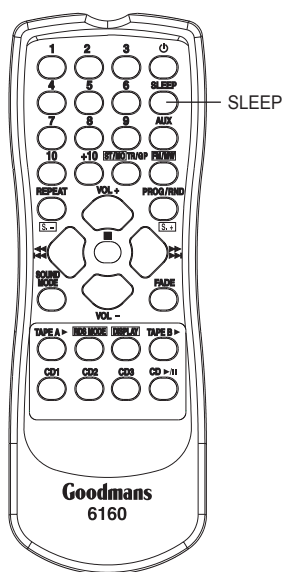$$AUX \ IN$$

3 **Start playing the external equipment.**

4 **Adjust the volume level to the level you want listen to.**

Note

- *For operation of the external equipment, refer to its Instructions.*

Using the Timers

DAILY Timer indicator

SLEEP indicator

REC (Recording) Timer indicator

Timer indicator

TIMER

*   When the System is in use, the display shows other items as well.
    For simplicity, we show here only the items described in this section.

Three types of timers are available:

DAILY Timer
Use this timer to wake up everyday to music from any source, instead of an alarm clock.

REC (Recording) Timer
Unattended recording of radio broadcasts. You can set the starting time and ending time.

SLEEP Timer
Fall asleep and have your System turn off automatically after a certain length of time.

Setting the Clock

When you plug the AC power cord into the wall outlet, the time indication "0:00" blinks on the display.
You can set the clock whether the System is on or off.

Using the Unit

1 Press the CLOCK/TIMER button.
The hour digit of the time indication will flash on the display.

2 Press the ◄◄ or ►►I button to set the hour.
Pressing the ►►I button moves the time forwards and pressing the ◄◄ button moves it backwards. Holding down the button moves the hour rapidly.

3 Press the SET button.
The minute digits of the time indication will flash on the display.
• To return to the hour setting, press the CANCEL button.

4 Press the ◄◄ or ►►I button to set the minute.

5 Press the SET button.
"CLOCK OK" appears on the display. Then, the selected time is set and the seconds start counting from 0.

Adjusting the Clock

Using the Unit

1 Press the ⏻/I STANDBY/ON button to turn on the System.

2 Press the CLOCK/TIMER button repeatedly until clock setting display (time indication) appears on the display.
Each time you press the button, display changes as follows:
DAILY → ON TIME → REC → ON TIME → Clock Setting display(time indicator)→Normal operation→(back to the beginning)

3 Press the SET button
The hour digits of the current clock will flash on the display.

4 Follow steps 2 to 5 of "Setting the Clock" mentioned above.

Notes

•   *The clock must be correctly set for the timers to work.*
•   *Each setting step must be completed within. 30 seconds. Otherwise, the setting is cleared and must be repeated from the beginning.*
•   *The clock may gain or lose one to two minutes per month. If there is a power failure, the clock loses its setting immediately. "0:00" blinks on the display and the clock must be reset.*

Setting the Daily Timer

Once you have set the Daily Timer, the timer will be activated at the same time every day.
The Timer indicator (●) and "DAILY" indicator on the display shows that the Daily Timer you have set is in effect.
You can set the Daily Timer whether the System is turned on or off.

Notes

• *Perform each setting within. 30 seconds. Otherwise, setting will be cleared and the procedure must be repeated from the beginning.*
• *If you have made a mistake while setting the timer, press the CANCEL button on the Unit. However, this does not always cancel the current setting. If the CANCEL button does not work, press the CLOCK/TIMER button on the Unit repeatedly until the display returns to the original display, and start from the first step.*

1 Press the CLOCK/TIMER button until "ON TIME" immediately after "DAILY" appears on the display.

At this time, "DAILY" indicator flashes and the Timer indicator (●) lights up on the display.
Each time you press the button, the display changes as follows:
DAILY → ON TIME* → REC → ON TIME → Clock setting display → Canceled → (back to the beginning)
*: This item should be selected for the Daily Timer setting.

Then, the System enters ON-time setting mode, and the current ON time appears on the display and the hour digits flash.
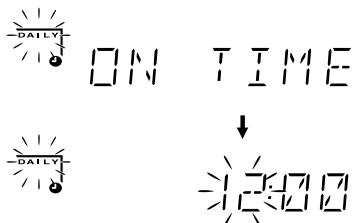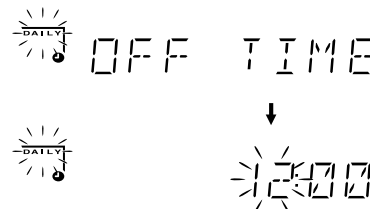
2 Setting the ON time (Example: AM 10:15).

1. Press the ►►I or I◄◄ button to set the hour you want the System to come on, then press the SET button.
The minute digits of the ON time flash on the display.
Pressing the ►►I button moves the time forwards and pressing the I◄◄ button moves it backwards.
Holding down the button moves the time rapidly.
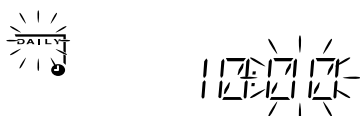
2. Press the ►►I or I◄◄ button to set the minute, then press the SET button.
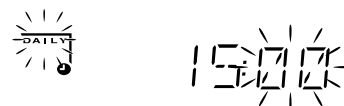
"OFF TIME" appears and then the System enters OFF-time setting mode. The current OFF time appears on the display, and the hour digits flash.
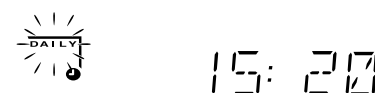
3 Setting the OFF time (Example: 15:20).

1. Press the ►►I or I◄◄ button to set the hour you want the System to be turned off, then press the SET button.
The minute digits of the ON time flash on the display.

2. Press the ►►I or I◄◄ button to set the minute, then press the SET button.

The System enters Music Source Selecting mode and "TUNER FM" appears on the display.

4 Selecting the music source.

Press the ►►I or I◄◄ button to select the music source you want to listen to, then press the SET button.
Each time you press the ►►I or I◄◄ button, the display changes as shown below:
TUNER FM → TUNER AM → CD → TAPE → AUX IN → (back to the beginning)
According to the music source you have selected, the next operation differs.

TUNER FM: Tunes in to the specified preset FM station.
TUNER AM: Tunes in to the specified preset AM(MW) station.
CD: Plays the specified track on the specified CD.
TAPE: Plays a tape in Deck A.
AUX IN: Plays an external source.

Preparation for each music source:
Perform the following operation according to the music source you have selected. Then, the System enters Volume Setting mode.
When selecting TUNER FM or TUNER AM:
Press the ►►I or I◄◄ button to select the preset station number, then press the SET button.
When selecting CD :
Press the ►►I or I◄◄ button to select the disc number, then press the SET button.
Each time you press the button the disc number changes as follows:
DISC – → DISC 1 → DISC 2 → DISC 3 → (back to the beginning)
• If no disc number is specified, playback will start from the first track of the currently selected disc.
When selecting TAPE:
Insert a cassette tape you want to play into Deck A.
When selecting AUX:
Prepare the external equipment so that it will turn on at the ON time set by the System.
To allow this, the equipment should have the timer function.

5 Setting the volume level.
Press the ►►I or I◄◄ button to select the volume level.
VOL – – : If the volume level (when the unit is turned off) is under 18: The current volume level will be used.
If the volume level (when the unit is turned off) is over 19: The volume level is automatically set to 18.
MIN, 1-31, or MAX: When the timer is turned on, the Volume will be automatically set to the selected level.

6 Press the SET button.
The timer setting is completed and the display returns to the display before you set the Timer.

7 Press the ⏻/| STANDBY/ON button to turn off the System, if necessary.
The Timer indicator (◕) and "DAILY" indicator are lit on the display, showing that the Daily Timer is set to on.

To confirm / change the timer setting, repeat the setting procedure from the beginning.

When the timer ON-time comes:
The following operation will be automatically repeated every day.
• When the timer ON-time comes, the System automatically turns on. The music source you have set is played. The Timer indicator (◕) flashes and "DAILY" indicator lights during timer operation.
• When the timer OFF-time comes, the System automatically turns off. Then, the Timer indicator (◕) and "DAILY" indicator remain lit on the display.

Note

• If the System is already on when the timer ON-time comes, the Daily Timer will not work.

Turning the Daily Timer On and Off

Once you have set the Daily Timer, it is stored in memory. So, the Daily Timer will be activated at the same time every day until it is canceled.

To cancel the Daily Timer temporarily:

1 Press the CLOCK/TIMER button on the Unit repeatedly until the "DAILY" appears on the display.

2 Press the CANCEL button on the Unit.
"OFF" appears and both the Timer indicator (◕) and the "DAILY" indicator go out.

To activate the cancelled Daily Timer:

1 Press the CLOCK/TIMER button on the Unit repeatedly until the "DAILY" appears on the display.
The "DAILY" indicator blinks and the Timer indicator (◕) lights up on the dispaly.

2 Press the SET button on the Unit.
"ON" appears on the display. The Timer indicator (◕) and the "DAILY" indicator remain lit, and the display returns to the original display.

Note

• If the System is unplugged, or a power failure occurs, the timer setting will be lost in a few days. You will need to reset the clock first, then the timer.

Setting the REC (Recording) Timer

With the Recording Timer, you can make a tape of a radio broadcast automatically whether or not you are home.

Notes

• You can set the REC Timer whether the System is on or off.
• Perform each setting within 30 seconds. Otherwise, setting will be cleared and the procedure must be repeated from the beginning.
• If you have made a mistake while setting the timer, press the CANCEL button on the Unit. However, this does not always cancel the current setting. If the CANCEL button does not work, press the CLOCK/TIMER button on the Unit repeatedly until the display returns to the original display, and start from the first step.

Using the Unit
You can set the time in the same way as for setting the Daily Timer.

1 Insert a blank or erasable tape into the Deck B and wind past the tape leader.

2 Press the CLOCK/TIMER button until "ON TIME" immediately after "REC" appears on the display.
The Timer indicator (◖) lights and the "REC" indicator blinks.
Each time you press the button, the display changes as follows:
DAILY → ON TIME → REC → ON TIME* → Clock setting display → Canceled → (back to the beginning)
: This item should be selected for the REC Timer setting.

Then, the System enters ON-time setting mode. The current ON time appears on the display and the hour digits flash.

ON TIME

↓

12:00
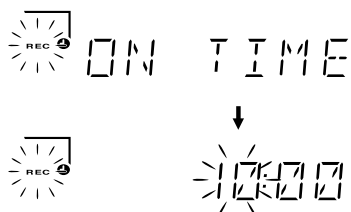
3 Setting the ON time you want the System to turn on.
1. Press the |◀◀ or ▶▶| button to set the hour, then press the SET button.
2. Press the |◀◀ or ▶▶| button to set the minute, then press the SET button.

"OFF TIME" appears and then the System enters OFF-time setting mode. The current OFF time appears on the display, and the hour digits flash.

4 Setting the OFF time you want the System to turn off.
1. Press the |◀◀ or ▶▶| button to set the hour, then press the SET button.
2. Press the |◀◀ or ▶▶| button to set the minute, then press the SET button.

The System enters Preset Station Entering mode.

5 Select the preset station for recording.
1. Press the |◀◀ or ▶▶| button to set the band (TUNER FM or TUNER AM), then press the SET button.
2. Press the |◀◀ or ▶▶| button to set the preset number, then press the SET button.

6 Setting the volume level.
Press the ▶▶| or |◀◀ button to select the volume level.
VOL – – : The current volume level will be used.
MIN, 1-31, or MAX: When the timer is turned on, the Volume will be automatically set to the selected level.
Please note: This is the Volume of the system not of the recording.

VOL 15

7 Press the SET button.
The timer setting is completed and the display returns to the display before you set the Timer.

8 Press the ⏻/| STANDBY/ON button to turn off the System, if necessary.
The Timer indicator (◖) and "REC" indicator are lit on the display, showing that the Rec Timer is set to on.

To confirm / change the timer setting, repeat the setting procedure from the beginning.

When the timer ON-time comes:
• When the timer ON-time comes, the System automatically turns on. The station you have set is played. The Timer indicator (◖) blinks during timer operation.
To stop timer recording, press the ■ button.
• When the timer OFF-time comes, the System automatically turns off.

Note
• *If the System is already on when the timer ON-time comes, the REC Timer does not work.*

Turning the REC (Recording) Timer On and Off
Once you have set the REC Timer to record a source, the timer setting is stored in memory. So, though the REC Timer turns off once it is used, you can recall it at any time.

To cancel the REC Timer temporarily:

1 Press the CLOCK/TIMER button on the Unit repeatedly until "REC" appears on the display.

2 Press the CANCEL button on the Unit.
"OFF" appears and both the Timer indicator (◖) and the "REC" indicator go out.

To activate the cancelled REC Timer:

1 Press the CLOCK/TIMER button on the Unit repeatedly until "REC" appears on the display.
The Timer indicator (◖) lights and the "REC" indicator blinks on the display.

2 Press the SET button on the Unit.
"ON" appears on the display. The Timer indicator (◖) and the "REC" indicator remain lit, and the display returns to the original display.

Note
• *If the System is unplugged, or a power failure occurs, the timer setting will be lost in a few days. You will need to reset the clock first, then the timer.*

Setting the SLEEP Timer

Use the Sleep Timer to turn the System off after a certain number of minutes . By setting the Sleep Timer, you can fall asleep to music and know that your System will turn off by itself rather than play all night.
• You can only set the Sleep Timer when the System is on.

1 During playback a source, press the SLEEP button.
The "SLEEP" indicator will flash on the display.

2 Set the length of time you want the source to play before shutting off.
Each time you press the SLEEP button, the time untill turn off changes as follows:
10 → 20 → 30 → 60 → 90 → 120 → OFF → (back to the beginning)

SLEEP 30

3 Wait for 5 seconds.
The "SLEEP" indicator stops blinking and remains lit, and the display returns to normal before setting the Sleep Timer.
The System is now set to turn off after the number of minutes you have set.

To Confirm the Sleep Time:
When the SLEEP button on the Remote Control is pressed, the remaining sleep time is displayed. Wait until the display returns to the original display.
To Cancel the SLEEP Timer Setting:
Press the SLEEP button on the Remote Control until the "SLEEP" indicator goes out on the display.
• Turning off the System also cancels the SLEEP Timer.

Note
• When the REC Timer or the DAILY Timer has turned the system on, SLEEP Timer can not be set.
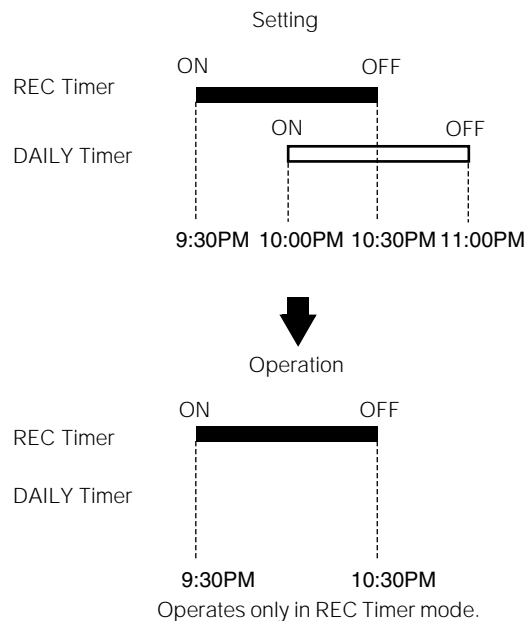
Timer Priority

Since REC Timer and DAILY Timer can be set independently, you may wonder what happens if the settings overlap. Here are the priorities for REC Timer and DAILY Timer:
• Timer with the earlier time setting will have the priority.
Timer will not operate when other Timer is operating.
• If other Timer is set to an exact same time as the REC Timer, the REC Timer will have the priority.
❏ REC Timer and DAILY Timer will not operate when SLEEP Timer is operating.

Example

Setting

| | ON | OFF |
REC Timer

| | ON | OFF |
DAILY Timer

9:30PM 10:00PM 10:30PM 11:00PM

Operation

ON OFF
REC Timer

DAILY Timer
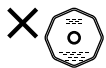
9:30PM 10:30PM
Operates only in REC Timer mode.

Care And Maintenance

Handle your CDs and tapes carefully, and they will last a long time.

Compact Discs

- Only CDs bearing these marks can be used with this System. However, continued use of irregular shape CDs (heart-shape, octagonal, etc.) can damage the System.

- Remove the CD from its case by holding it at the edges while pressing the case's center hole lightly.
- Do not touch the shiny surface of the CD, or bend the CD.
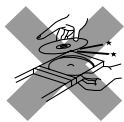
- Put the CD back in its case after use to prevent warping.
- Be careful not to scratch the surface of the CD when placing it back in the case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.

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

⚠ CAUTION:

- **Do not use any solvent (for example, conventional record cleaner, spray thinner, benzine, etc.) to clean a CD.**

General Notes

In general, you will have the best performance by keeping your CDs and the mechanism clean.
- Store CDs in their cases, and keep them in cabinets or on shelves.
- Keep the System's Top Cover closed when not in use.

Moisture Condensation

Moisture may condense on the lens inside the System in the following cases:
- After turning on heating in the room.
- In a damp room.
- If the System is brought directly from a cold to a warm place.

Should this occur, the System may malfunction. In this case, leave the System turned on for a few hours until the moisture evaporates, unplug the AC power cord, and then plug it in again.

Cassette Tapes
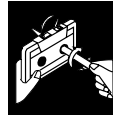
- If the tape is loose in its cassette, take up the slack by inserting a pencil in one of the reels and rotating.
- If the tape is loose, it may get stretched, cut, or caught in the cassette.
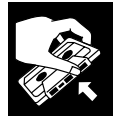
- Do not touch the tape surface.

- Do not store the tape:
  - In dusty places
  - In direct sunlight or heat
  - In moist areas
  - On a TV or speaker
  - Near a magnet

Cassette Deck

- If the heads, capstans, and pinch-rollers of the Cassette Deck become dirty, the following will occur:
  - Loss of sound quality
  - Discontinuous sound
  - Fading
  - Incomplete erasure
  - Difficulty recording
- To clean the tape deck use a tape cleaner available from most audio retailers.

Troubleshooting

- If you are having a problem with your System, check this list for a possible solution before calling for service.
- If you cannot solve the problem from the hints given here, or the System has been physically damaged, call the Goodmans product information helpline on 0870 873 0080.

Symptom	Possible Cause	Action
No sound is heard.	• Connections are incorrect, or loose. • Headphones are connected.	• Check all connections and make corrections. (See pages 4 to 6.) • Disconnect the headphones.
Poor radio reception	• The aerial is disconnected. • The MW Loop Aerial is too close to the System. • The FM Wire Aerial is not properly extended and positioned.	• Reconnect the aerial securely. • Change the position and direction of the MW Loop Aerial. • Extend FM Wire Aerial to the best reception position.
The disc tray does not open.	• The AC power cord is not plugged in. • Tray is locked.	• Plug the AC power cord. • Unlock the tray. (See page 13.)
The CD skips.	The CD is dirty or scratched.	Clean or replace the CD. (See page 27.)
The CD does not play.	The CD is upside down.	Put the CD in with the label side up.
The MP3 disc does not play.	• No MP3 files are recorded on the disc. • MP3 files do not have the file extension —.MP3, .Mp3, .mP3, or .mp3 in thier file names. • MP3 files are not recorded in the format compliant with ISO 9660 Level 1 or Level 2.	Replace the disc.
The readout time of the MP3 disc is too long.	The readout time varies with the complexity of the recording configuration.	Do not use too many hierarchies and folders when recording. Also, do not record any other types of audio tracks together with MP3 files. (See page 9.)
The cassette holder cannot be opened.	During tape playing, the power cord was unplugged.	Plug in the power cord, and turn on the System.
Unable to record.	Cassette record protect tabs are removed.	Cover holes on back edge of cassette with tape.
Unable to operate the Remote Control.	• The path between the Remote Control and the sensor on the Unit is blocked. • The batteries have expired.	• Remove the obstruction. • Replace the batteries.
Operations are disabled.	The built-in microprocessor has malfunctioned due to external electrical interference.	Unplug the System then plug it back in.
Can not open CD tray	• CD door has been locked.	Press Stop n and CD Open/Close ▲ until unlocked is shown in display.

Specifications

Amplifier
Output Power | 160 W per channel, min. RMS, driven into 6 Ω at 1kHz, with no more than 10% total harmonic distortion

Input Sensitivity/Impedance (1 kHz)
AUX IN | 400 mV/50 kΩ
Speaker terminals | 6 - 16 Ω
Phones | 32 Ω - 1 kΩ
15 mW/ch output into 32 Ω

Cassette Deck Section
Frequency Response
Type I (NORMAL) | 63 Hz - 12 500 Hz
Wow And Flutter | 0.15% (WRMS)

CD Player
CD Capacity | 3 CDs
Dynamic Range | 85 dB
Signal-To-Noise Ratio | 85 dB
Wow And Flutter | Unmeasurable

Tuner
FM Tuner
Tuning Range | 87.5 MHz - 108.0 MHz
MW(AM) Tuner
Tuning Range | 522 kHz - 1 629 kHz

Unit
Dimensions | 270 mm × 306 mm × 413 mm (W/H/D)

Weight | Approx. 8.7 kg (19.2 lbs)

Speaker Specifications (each unit)
SP-6160
Type | 3-way bass-reflex type
Speaker Unit | Woofer: 20 cm (7-7/8") cone × 1
Mid: 5cm (2") cone × 1
Tweeter: 2 cm (13/16") dome × 1
Power Handling Capacity | 180 W
Impedance | 6 Ω
Frequency Range | 45 Hz - 22,000 Hz
Sound pressure level | 87 dB/W·m
Dimensions | 261 mm × 318 mm × 246 mm (W/H/D)

Weight | Approx. 4.3 kg (9.5 lbs)

Accessories
AM Loop Aerial (1)
Remote Control (1)
Batteries R6P (SUM-3)/AA (15F) (2)
FM Wire Aerial (1)

Power Specifications
Power Requirements | AC 230 V ∿, 50 Hz
Max Power Consumption | 560 W (power on mode)
3 W (in ECO mode)

Design and specifications are subject to change without notice.