SONY

2-663-704-**12**(1)

Micro 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. _____

CMT-NEZ50/NEZ33/NEZ30

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http://www.sony.net/

Printed on 100% recycled paper using VOC (Volatile Organic Compound)-free vegetable oil based ink.

WARNING

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

To reduce the risk of fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not place objects filled with liquids, such as vases, on the apparatus.

Connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

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

CAUTION

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

Except for customers in the U.S.A. and Canada

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

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

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

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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

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.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.
Applicable accessories: Remote commander

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

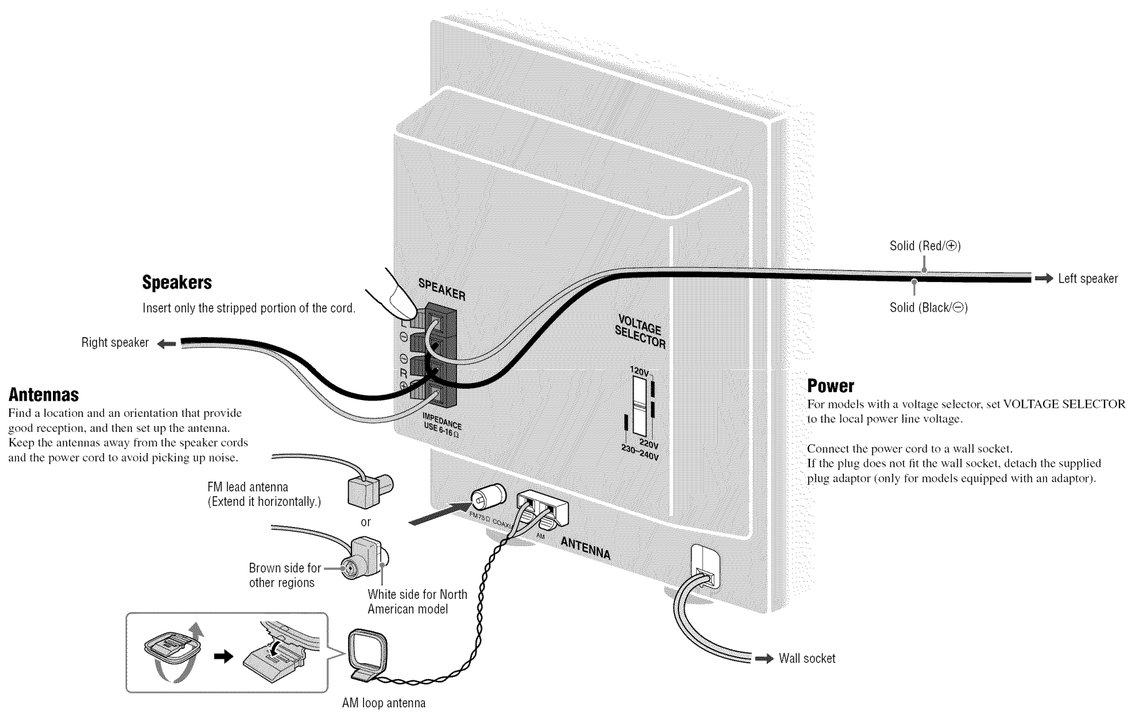
A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

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.

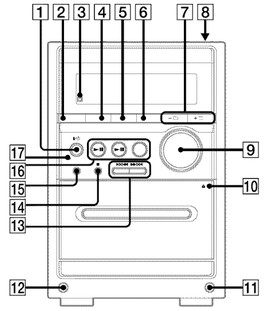
MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.

Hooking up the system securely

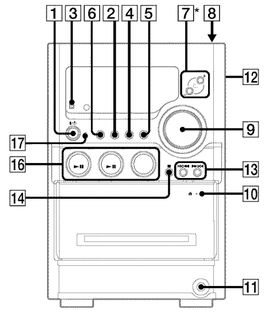


Basic Operations

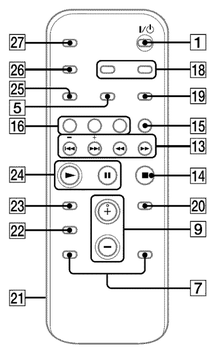
CMT-NEZ50



CMT-NEZ33/NEZ30



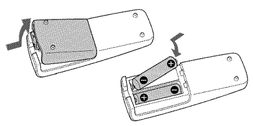
*Except for the North American model



Before using the system

To use the remote

Slide and remove the battery compartment lid 21, 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 set the clock

1 Turn on the system.
Press I/⏻ (power) 1.

2 Select the clock set mode.
Press CLOCK/TIMER SET 18 on the remote. If the current mode appears on the display, press I◄◄/►►I 13 on the remote repeatedly to select "CLOCK" and then press ENTER 20 on the remote.

3 Set the time.
Press I◄◄/►►I 13 on the remote repeatedly to set the hour, and then press ENTER 20 on the remote. Use the same procedure to set the minute.
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 15 repeatedly).

To select	Press
CD	CD 16 on the remote.
Tuner	TUNER/BAND 16.
Tape	TAPE 16 on the remote.
Component (connected using an audio cord)	FUNCTION 15 repeatedly until "AUDIO IN" appears.

Adjusting the sound

To adjust the volume

Press VOLUME +/– on the remote (or turn the VOLUME control on the unit) 9.

To add a sound effect

To	Press
Generate a more dynamic sound (Dynamic Sound Generator X-tra)	DSGX 6 on the unit.
Set the sound effect	EQ 22 on the remote repeatedly to select "BASS" or "TREBLE," and then press I◄◄/►►I 13 repeatedly to adjust the level.

Playing a CD/MP3 disc

1 Select the CD function.
Press CD 16 on the remote.

2 Place a disc.
Press ⏏ PUSH OPEN/CLOSE 8 on the unit, and place a disc with the label side up on the CD compartment.
To close the CD compartment, press ⏏ PUSH OPEN/CLOSE 8 on the unit.

3 Start playback.
Press ► (play) 24 on the remote (or CD/►II (play/pause) 16 on the unit).

To	Press
Pause playback	II (pause) 24 on the remote (or CD/►II (play/pause) 16 on the unit). To resume play, press the button again.
Stop playback	■ (stop) 14.
Select a folder on an MP3 disc	🗀 +/– (select folder) 7.
Select a track or file	I◄◄/►►I (go back/go forward) 13.
Find a point in a track or file	Hold down ◄◄/►► (rewind/fast forward) 13 during playback, and release the button at the desired point.
Select Repeat Play	REPEAT 19 on the remote repeatedly until "REPEAT" or "REPEAT 1" appears.

To change the play mode

Press PLAY MODE 5 repeatedly while the player is stopped. You can select normal play ("🗀" for all MP3 files in the folder on the disc), shuffle play ("SHUF" or "🗀 SHUF*"), or program play ("PGM").

*When playing a CD-DA disc, 🗀 (SHUF) Play performs the same operation as normal (SHUF) Play.

Notes on Repeat Play
- All tracks or files on a disc are played repeatedly up to five times.
- "REPEAT 1" 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 256.
  – 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.

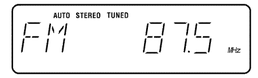
Notes on playing multisession discs
- If the disc begins with a CD-DA (or MP3) session, it is recognized as a CD-DA (or MP3) disc, and playback continues until another session is encountered.
- A disc with a mixed CD format is recognized as a CD-DA (audio) disc.

Listening to the radio

1 Select "FM" or "AM."
Press TUNER/BAND 16 repeatedly.

2 Select the tuning mode.
Press TUNING MODE 5 repeatedly until "AUTO" appears.

3 Tune in the desired station.
Press +/– on the remote (or TUNING +/– on the unit) 13. Scanning stops automatically when a station is tuned in, and then "TUNED" and "STEREO" (for stereo programs) appear. When you tune in a station that provides RDS services, the station name appears on the display (European model only).



To stop automatic scanning

Press ■ (stop) 14.

To tune in a station with a weak signal

If "TUNED" does not appear and the scanning does not stop, press TUNING MODE 5 repeatedly until "AUTO" and "PRESET" disappear, and then press +/– on the remote (or TUNING +/– on the unit) 13 repeatedly to tune in the desired station.

To reduce static noise on a weak FM stereo station

Press FM MODE 19 on the remote repeatedly until "STEREO" disappears to turn off stereo reception.

Playing a tape

1 Select the tape function.
Press TAPE 16 on the remote.

2 Insert a tape.
Press PUSH OPEN/CLOSE ⏏ 10 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 OPEN/CLOSE ⏏ 10 on the unit again to close the cassette holder.

3 Start playback.
Press ► (play) 24 on the remote (or TAPE/►II (play/pause) 16 on the unit).

To	Press
Pause playback	II (pause) 24 on the remote (or TAPE/►II (play/pause) 16 on the unit). To resume play, press the button again.
Stop playback	■ (stop) 14.
Rewind or fast forward	◄◄/►► (rewind/fast forward) 13.

Changing the display

To change	Press
Information on the display*	DISPLAY 26 on the remote repeatedly when the system is on.
Display mode (See below.)	DISPLAY 26 on the remote repeatedly when the system is off.

*For example, you can view CD/MP3 disc information, such as the track or file number or folder name during normal play, or the total play time while the player is stopped.

The system offers the following display modes.

Display mode	When the system is off,[1]
Clock	The clock is displayed.
Power Saving Mode[2]	The display is turned off to conserve power. The timer and clock continue to operate.

[1] The STANDBY indicator lights up when the system is off.
[2] When the system is in Power Saving Mode, the following functions are unavailable:
– setting the clock.
– changing the AM tuning interval
– changing the CD power manage function

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 12 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 press FUNCTION 15 repeatedly to select the AUDIO IN function.

Other Operations

Creating your own CD program (Program Play)

Use buttons on the remote to create your own program.

1 Press CD 16 to select the CD function.

2 Press PLAY MODE 5 repeatedly until "PGM" appears while the player is stopped.

3 Press I◄◄/►►I 13 repeatedly until the desired track number appears.

When programming MP3 files, press 🗀 +/– (select folder) 7 repeatedly to select the desired folder, and then select the desired file.

Selected track or file number

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

4 Press ENTER 20 to add the track or file to the program.

"– –.– –" appears when the total time exceeds 100 minutes for a CD, or when you select an MP3 file.

5 Repeat steps 3 through 4 to program additional tracks or files, up to a total of 25 tracks or files.

6 To play your program of tracks or files, press ► (play) 24.

The program remains available until you open the CD compartment. To play the same program again, select the CD function, and press ► (play) 24.

To cancel Program Play

Press PLAY MODE 5 repeatedly until both "PGM" and "SHUF" disappear while the player is stopped.

To delete the last track or file of the program

Press CLEAR 23 while the player is stopped.

To view program information, such as total track number of the program

Press DISPLAY 26 repeatedly.

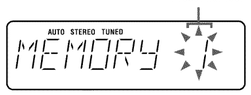
Presetting radio stations

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.

1 Tune in the desired station (see "Listening to the radio").

2 Press TUNER MEMORY 25.

Preset number



3 Press +/– 13 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.

4 Press ENTER 20.

5 Repeat steps 1 through 4 to store other stations.

You can preset up to 20 FM and 10 AM stations. The preset stations are retained for about half a day even if you disconnect the power cord or if a power failure occurs.

6 To call up a preset radio station, press TUNING MODE 5 repeatedly until "PRESET" appears, and then press +/– 13 repeatedly to select the desired preset number.

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.

1 Load a recordable tape with the side you want to record facing forward.

2 Prepare the recording source.

For CD Synchro Recording:

Press CD 16 on the remote to select the CD function.

Load the disc you want to record.

When recording a folder from an MP3 disc, press PLAY MODE 5 repeatedly to select "🗀" and then press 🗀 +/– (select folder) 7 repeatedly to select the desired folder.

To record only your favorite CD tracks in your desired order, perform steps 2 through 5 of "Creating your own CD program."

For Manual Recording:

Select the desired source to record.

3 Set the tape deck to stand by for recording.

For CD Synchro Recording:

Press CD SYNC 2.

For Manual Recording:

Press ● PAUSE/START 4.

4 Start recording.

While recording, you cannot listen to other sources.

For CD Synchro Recording:

Press ● PAUSE/START 4. When the recording is completed, the CD player and the tape deck stop automatically. If you are recording onto a tape and the tape reaches the end of the front side part-way through a track or file, "TURN TAPE" appears. Turn the tape over to the reverse side, re-insert it, and "PUSH REC" appears. And then press ● PAUSE/START 4.

For Manual Recording:

Press ● PAUSE/START 4, 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) 14.

Note
Recording stops if you change to a different function.

6 Select the sound source or prepare the tape.

For Play Timer:

Press I◄◄/►►I 13 repeatedly until the desired sound source appears, and then press ENTER 20. The display shows the timer settings.

For Rec Timer:

Load a recordable tape. The display shows the timer settings.

7 Press I/⏻ (power) 1 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 18, press I◄◄/►►I 13 repeatedly until "PLAY SEL" or "REC SEL" appears, and then press ENTER 20.

To cancel the timer

Repeat the same procedure as above until "OFF" appears, and then press ENTER 20.

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.

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 27 on the remote 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.

1 Prepare the sound source.

For Play Timer:

Prepare the sound source, and then press VOLUME +/– 9 to adjust the volume.

To start from a specific CD track or MP3 file, create your own CD program.

For Rec Timer:

Tune in the preset radio station.

2 Press CLOCK/TIMER SET 18.

3 Press I◄◄/►►I 13 repeatedly to select "PLAY SET" or "REC SET" then press ENTER 20.

"ON TIME" appears, and the hour indication flashes.

4 Set the time to start playing or recording.

Press I◄◄/►►I 13 repeatedly to set the hour, and then press ENTER 20.

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

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

Troubleshooting

1 Make sure the power cord and speaker cords are correctly and firmly connected.

2 Find your problem in the checklist below, and take the indicated corrective action.

If the issue persists, contact your nearest Sony dealer.

If the STANDBY indicator flashes

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 17 stops flashing, reconnect the power cord, and turn on the system. If the issue persists, contact your nearest Sony dealer.

General

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.

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 3 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.
- Return to Normal Play by pressing PLAY MODE 5 repeatedly until both "PGM" and "SHUF" disappear.

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

To change the AM tuning interval

The AM tuning interval is factory-preset to 9 kHz (or 10 kHz, for some areas; this function is not available on the European model).
Use buttons on the unit to change the AM tuning interval.

1 Tune in any AM station, and then turn off the system.

2 While holding down TUNER/BAND 16, press I/⏻ (power) 1.

All the AM preset stations are erased. To reset the interval to the factory preset, repeat the procedure. You cannot change the AM tuning interval in Power Saving Mode.

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.
Use buttons on the unit to reset the unit to its factory default settings.

1 Disconnect and reconnect the power cord, and then turn on the system.

2 Press ■ (stop) 14 and I/⏻ (power) 1, and turn VOLUME control 9 to the left at the same time.

All user-configured settings, such as preset radio stations, timer, and the clock, are deleted.

Messages

COMPLETE : The preset operation ended normally.
FULL : You tried to program more than 26 tracks or files (steps).
NO DISC : There is no disc in the player, or you have loaded a disc that cannot be played.
NO STEP : All of the programed 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 USED : You pressed an invalid button.
OVER : You have reached the end of the disc while pressing ►► (fast forward) 13 during playback or pause.
PUSH SELECT : You tried to set the clock or timer during timer operation.
PUSH STOP : You pressed PLAY MODE 5 during playback.
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.
TIME NG : The Play Timer or Rec Timer start and end times are set to the same time.

Display examples

Display	indicates
2	2 (two)
5	5 (five)
6	6 (six)
8	8 (eight)
0	0 (zero)
A	A
B	B
D	D
G	G
H	H
K	K
M	M
O	O
Q	Q
R	R
S	S
Z	Z
!	!
"	"
$	$
%	%
'	'
.	.
@	@

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)
- Some discs that have adhesive tape, paper, or sticker attached to them
- Some rental or used discs with attached seals where the glue extends beyond the seal
- Some 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.

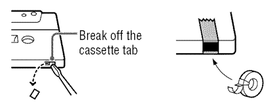
On placement
- Do not place the system in an inclined position or in locations that are extremely hot, cold, dusty, dirty, or humid or lacking adequate ventilation, or subject to vibration, direct sunlight or a bright light.
- Be careful when placing the unit or speakers on surfaces that have been specially 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

Main unit
AUDIO POWER SPECIFICATIONS
POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(CMT-NEZ30 The United States model only)

With 6 ohm loads, both channels driven, from 120 – 10,000 Hz; rated 15 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

CMT-NEZ50
European model:
DIN power output (rated): 18 + 18 W (6 ohms at 1 kHz, DIN)
Continuous RMS power output (reference): 25 + 25 W (6 ohms at 1 kHz, 10% THD)
Music power output (reference): 38 + 38 W
The following are measured at AC 220 V, 50/60 Hz (Argentine model), AC 120 V, 60 Hz (Mexican model), AC 120, 220 or 230 – 240 V, 50/60 Hz (other models)
DIN power output (rated): 14 + 14 W (6 ohms at 1 kHz, DIN)
Continuous RMS power output (reference): 20 + 20 W (6 ohms at 1 kHz, 10% THD)
Inputs
AUDIO IN: Sensitivity 250 mV, impedance 47 kilohms
Outputs
PHONES: Accepts headphones with an impedance of 8 ohms or more
SPEAKER: Accepts impedance of 6 to 16 ohms

CMT-NEZ33
The following are measured at AC 230 – 240 V, 50/60 Hz (Australian model), AC 220 V, 60 Hz (Korean model), AC 120 V, 50/60 Hz (Taiwanese model), AC 120, 220 or 230 – 240 V, 50/60 Hz (other models)
DIN power output (rated): 14 + 14 W (6 ohms at 1 kHz, DIN)
Continuous RMS power output (reference): 20 + 20 W (6 ohms at 1 kHz, 10% THD)
Inputs
AUDIO IN: Sensitivity 250 mV, impedance 47 kilohms
Outputs
PHONES: Accepts headphones with an impedance of 8 ohms or more
SPEAKER: Accepts impedance of 6 to 16 ohms

CMT-NEZ30
North-American model:
Continuous RMS power output (reference): 15 + 15 W (6 ohms at 1 kHz, 10% THD)
The following are measured at AC 220 V, 50/60 Hz (Argentine model), AC 120 V, 60 Hz (Mexican model), AC 120, 220 or 230 – 240 V, 50/60 Hz (other models)
DIN power output (rated): 11 + 11 W (6 ohms at 1 kHz, DIN)
Continuous RMS power output (reference): 15 + 15 W (6 ohms at 1 kHz, 10% THD)
Inputs
AUDIO IN: Sensitivity 250 mV, impedance 47 kilohms
Outputs
PHONES: Accepts headphones with an impedance of 8 ohms or more
SPEAKER: Accepts impedance of 6 to 16 ohms

CD player section
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.

Tape deck section
Recording system: 4-track 2-channel, stereo

Tuner section
FM stereo, FM/AM superheterodyne tuner
FM tuner section:
Tuning range
North American model: 87.5 – 108.0 MHz (100 kHz step)
Other models: 87.5 – 108.0 MHz (50 kHz step)
Antenna: FM lead antenna
Antenna terminals: 75 ohms unbalanced
Intermediate frequency: 10.7 MHz
AM tuner section:
Tuning range
Pan-American model: 530 – 1,710 kHz (with 10 kHz tuning interval)
531 – 1,710 kHz (with 9 kHz tuning interval)
European model: 531 – 1,602 kHz (with 9 kHz tuning interval)
Other models: 530 – 1,710 kHz (with 10 kHz tuning interval)
531 – 1,602 kHz (with 9 kHz tuning interval)
Antenna: AM loop antenna, external antenna terminal
Intermediate frequency: 450 kHz

Speaker

CMT-NEZ50
Speaker system: 2-way, bass-reflex type
Speaker units
Woofer: 10 cm dia., cone type
Tweeter: 4 cm dia., cone type
Nominal impedance: 6 ohms
Dimensions (w/h/d): Approx. 145 × 235 × 175 mm
Mass: Approx. 1.9 kg net per speaker

CMT-NEZ33/NEZ30
Speaker system: Full Range Speaker System
Speaker units
North American model: 8 cm dia., cone type
Other models: 10 cm dia., cone type
Nominal impedance: 6 ohms
Dimensions (w/h/d): Approx. 145 × 235 × 155 mm
Mass:
North American model: Approx. 1.4 kg net per speaker
Other models: Approx. 1.5 kg net per speaker

General
Power requirements
North American model: AC 120 V, 60 Hz
Mexican model: AC 120 V, 60 Hz
European model: AC 230 V, 50/60 Hz
Australian model: AC 230 – 240 V, 50/60 Hz
Korean model: AC 220 V, 60 Hz
Taiwanese model: AC 120 V, 50/60 Hz
Argentine model: AC 220 V, 50/60 Hz
Other models: AC 120, 220 or 230 – 240 V, 50/60 Hz
Adjustable with voltage selector
Power consumption:
CMT-NEZ50
European model: 60 watts
0.5 watts (in Power Saving Mode)
Other models: 50 watts
CMT-NEZ33: 50 watts
CMT-NEZ30
North American model: 45 watts
Other models: 45 watts
Dimensions (w/h/d) (excl. speakers):
CMT-NEZ50
Approx. 164 × 235 × 267 mm
CMT-NEZ33/NEZ30
Approx. 164 × 235 × 265 mm
Mass (excl. speakers):
CMT-NEZ50
Approx. 3.7 kg
CMT-NEZ33
Approx. 3.6 kg
CMT-NEZ30
North American model: Approx. 3.2 kg
Other models: Approx. 3.3 kg

Supplied accessories: Remote Commander (1)/R6 (size AA) batteries (2)/AM loop antenna (1)/FM lead antenna (1)

Design and specifications are subject to change without notice.

eco info
- Standby power consumption: 0.5 W
- Halogenated flame retardants are not used in the certain printed wiring boards.
- Lead-free solder is used for soldering certain parts.
- Halogenated flame retardants are not used in cabinets.