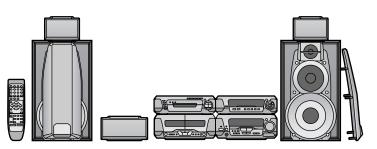
System Component

Operating Instructions

Model No. SC-EH790 **SC-EH590**

Technics[®]



The illustration shows SC-EH790 for the United Kingdom and Eastern Europe.



(setg (setg plt (while (<

(command

(setg

EB

EP GN

(setg p



Note "EB" on the outer packaging indicates the United Kingdom.

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

Dear customer

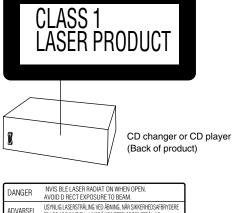
Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully.

These operating instructions are applicable to the following systems. These operating instructions, however, fundamentally explain the operation of system SC-EH790.

EH790: indicates a function which can be enjoyed with SC-EH790 only. EH590: indicates a function which can be enjoyed with SC-EH590 only.

		· · · · · · · · · · · · · · · · · · ·	, , ,
Sy	stem	SC-EH790	SC-EH590
Sound	processor	SH-EH790	SH-EH590
Tuner	/ amplifier	SA-EH790	SA-EH590
CD o	changer	SL-EH790	—
CD	player	—	SL-EH590
Cass	ette deck	RS-DV290	RS-DV290
	Front	SB-DV290	SB-EH590
Speakers	Center	SB-PC95	_
	Surround	SB-PS95	_



	ANOID DITEOTEXT COOTE TO BEAM.	
ADVARSEL	USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE Er ude af funktion. Undgå udsættelse for strål ng.	
VARO!	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTI NA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.	
VARNING	OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH Spärren är Urkopplad. Betrakta ej strålen.	
ADVARSEL	USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS Brytes. Unngå eksponering for strålen.	
VORSICHT	UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.	(Inside of

product)

For United Kingdom and Republic of Ireland

or onned Kingdom and Republic of Ireland		
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 Order accessory and consumable items for your product with ease and confidence by telephoning our Customer Care Centre Mon–Friday 9:00am–5:30pm. (Excluding public holidays.) Or go on line through our Internet Accessory ordering application. Most major credit and debit cards accepted. All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd. It couldn't be simpler! 		
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Technical Support		
For LIK evetements 0070 1 E0E010		

For UK customers: 0870 1 505610 This Technical Support Hot Line number is for

Panasonic PC software related products only. For Republic of Ireland, please use the Customer Care Centre number listed above for all enquiries. For all other product related enquiries, please use the Customer Care Centre numbers listed above.

Supplied accessories

Please check and identify the supplied accessories. Use numbers indicated in parentheses when asking for replacement parts. ☐ AC mains lead 1 For the United Kingdom For Australia and N.Z. (RJA0053-3X) (RJA0035-2X) For Eastern Europe (RJA0019-2X) Note The included AC mains lead is for use with this unit only. Do not use it with other equipment. Remote control 1 EH790 for the United Kingdom EH790 for Australia and N.Z. and Eastern Europe (FUB7702280) (EUR7702270) EH590 (EUR7702070 Remote control batteries 2 FM indoor antenna 1 For the United Kingdom For Australia and N.Z. and Eastern Europe (RSA0006-J) (RSA0007) AM loop antenna set 1 (RSA0022-L) Speaker leads (REE1234) 2 (REE1233). 2 (Red/Black) (Grav/Blue)

Antenna plug adaptor 1

Only for the United Kingdom

(SJP9009)

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Safety precautions

Placement

Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration. These conditions can damage the cabinet and other components, thereby shortening the unit's service life.

Place it at least 15 cm away from wall surfaces to avoid distortion and unwanted acoustical effects.

Do not place heavy items on the unit.

Voltage

Do not use high voltage power sources. This can overload the unit and cause a fire.

Do not use a DC power source. Check the source carefully when setting the unit up on a ship or other place where DC is used.

AC mains lead protection

Ensure the AC mains lead is connected correctly and not damaged. Poor connection and lead damage can cause fire or electric shock. Do not pull, bend, or place heavy items on the lead.

Grasp the plug firmly when unplugging the lead. Pulling the AC mains

lead can cause electric shock. Do not handle the plug with wet hands. This can cause electric shock.

Foreign matter

Do not let metal objects fall inside the unit. This can cause electric shock or malfunction

Do not let liquids get into the unit. This can cause electric shock or malfunction. If this occurs, immediately disconnect the unit from the power supply and contact your dealer.

Do not spray insecticides onto or into the unit. They contain flammable gases which can ignite if sprayed into the unit.

Service

Do not attempt to repair this unit by yourself. If sound is interrupted, indicators fail to light, smoke appears, or any other problem that is not covered in these instructions occurs, disconnect the AC mains lead and contact your dealer or an authorized service center. Electric shock or damage to the unit can occur if the unit is repaired, disassembled or reconstructed by unqualified persons.

Extend operating life by disconnecting the unit from the power source if it is not to be used for a long time.

CAUTION!

THIS PRODUCT UTILIZES A LASER.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCE-DURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZAR-DOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVI-CING TO QUALIFIED PERSONNEL

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

CAUTION!

•DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN
CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL
VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD
DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER
MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.
•DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS WITH NEWS-
PAPERS, TABLECLOTHS, CURTAINS, AND SIMILAR ITEMS.
•DO NOT PLACE SOURCES OF NAKED FLAMES, SUCH AS LIGHTED CAN-
DLES, ON THE UNIT.
•DISPOSE OF BATTERIES IN AN ENVIRONMENTALLY FRIENDLY
MANNER.

This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

3

efore

(For United Kingdom)

("EB" area code model only)

For your safety, please read the following text carefully,

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Before

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark \circledast or the BSI mark \heartsuit on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUIT-ABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE RE-MOVED AND THE PLUG CUT OFF AND DIS-POSED OF SAFELY. THERE IS A DANGER OF SEVERE ELEC-TRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE

If a new plug is to be fitted please observe the wiring code as stated below.

If in any doubt please consult a qualified electrician.

IMPORTANT

SOCKET.

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral. Brown: Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL \perp OR COL-**OURED GREEN OR GREEN/YELLOW.**

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

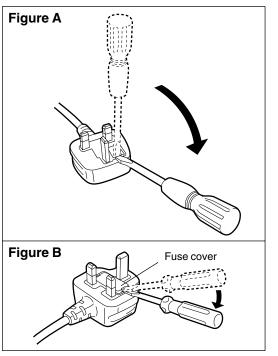
Before use

Remove the connector cover.

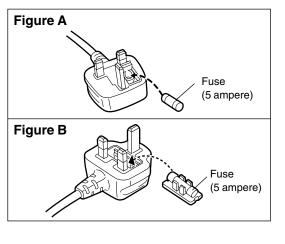
How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below. Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.



2. Replace the fuse and close or attach the fuse cover.



Simple set-up and play

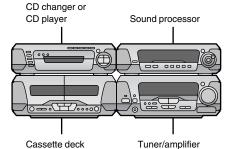


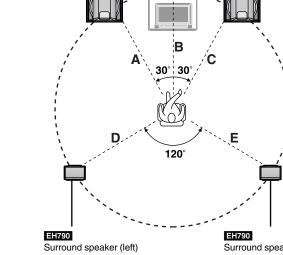
The illustrations show SC-EH790 for the United Kingdom and Eastern Europe.

Optimum location

Distance: A=B=C=D=E

Components





Note

Do not put the CD changer or CD player on the top of the tuner/amplifier. Heat can damage your CDs.

Caution

•Use the speakers only with the recommended system. Failure to do so may lead to damage to the amplifier and/or the speakers, and may result in the risk of fire. Consult a gualified service person if damage has occurred or if you experience a sudden change in performance. • Do not attempt to attach these speakers to walls using methods

other than those described in this manual.

Notes on speaker use

- You can damage your speakers and shorten their useful life if you play sound at high levels over extended periods.
- Reduce the volume in the following cases to avoid damage. •When playing distorted sound.
- •When the speakers are receiving howling from a microphone (for Australia and N.Z.) or record player, noise from FM broadcasts, or continuous signals from an oscillator, test disc, or electronic instrument
- •When adjusting the sound quality. •When turning the unit on or off.

If irregular colouring occurs on your television

These speakers are designed to be used close to a television, but the picture may be affected with some televisions and set-up combinations. If this occurs, turn the television off for about 30 minutes. The television's demagnetizing function should correct the problem. If it persists, move the speakers further away from the television.



Front speaker (right)

Use only the supplied speakers. Using other speakers can damage the unit and sound quality will be negatively affected.

Front speakers

Left and right front speakers are exactly same.

Surround speakers

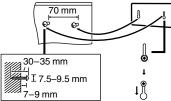
Place either side of the listening position, or slightly to the rear, about 1 meter higher than ear level with the Technics logo facing toward the listening position

The effect varies with the type of music and the music source.

If you are unable to position the surround speakers as recommended You can put them near the front speakers and still achieve a surround-like effect (⇒ page 26, VIRTUAL REAR SURROUND).

Attaching to a wall

Set the speaker onto screws and slide through bracket to lock into position



The wall or pillar on which the speakers are to be attached should be

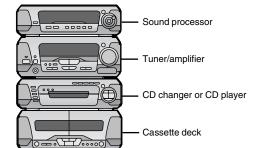
capable of supporting 5 kg per screw.

Simple set-up and play

Note

Front speaker (left) EH790 Center speaker

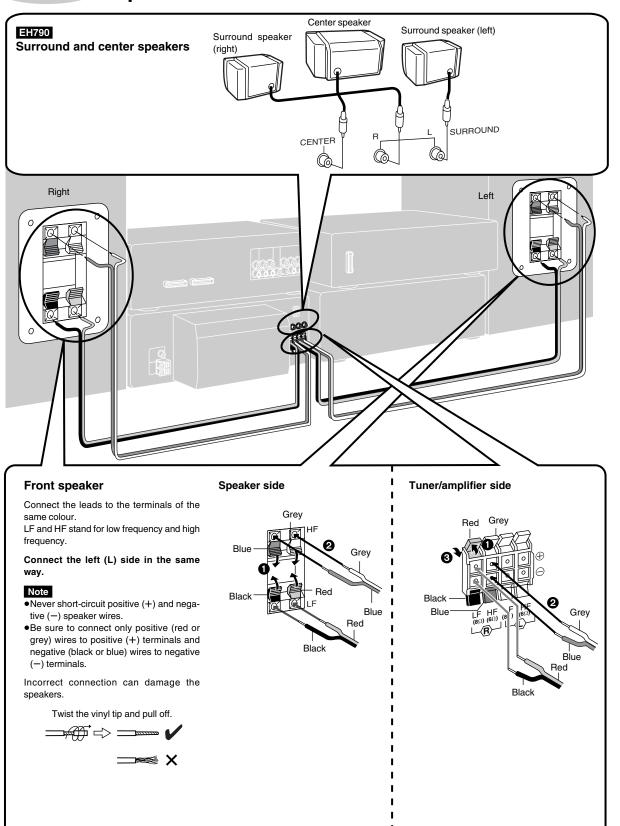
Speakers

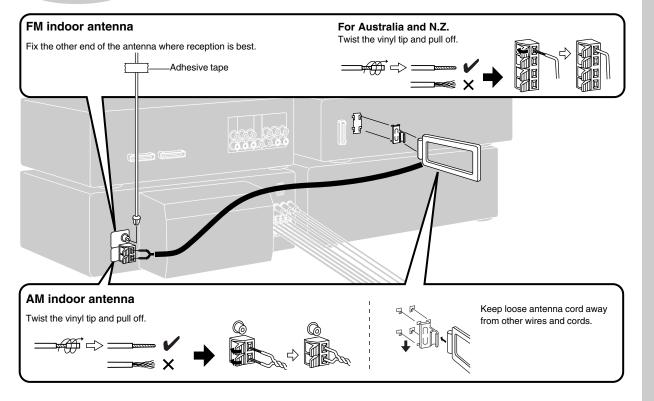


Simple set-up and play



The illustrations show SC-EH790 for the United Kingdom and Eastern Europe. Do not connect the AC mains lead until all other connections are complete.

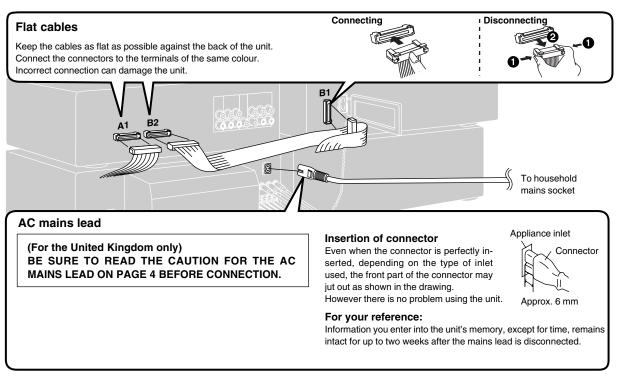




STEP4 Flat cables and AC mains lead

STEPJ

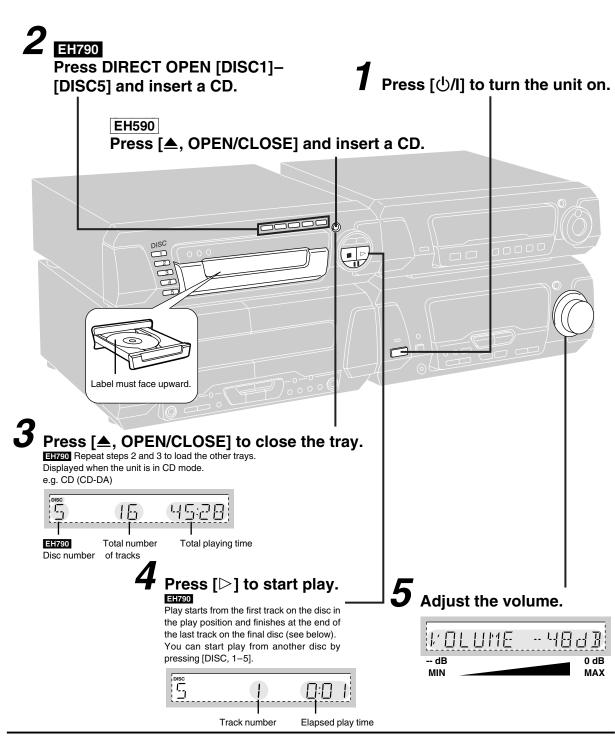
Antennas

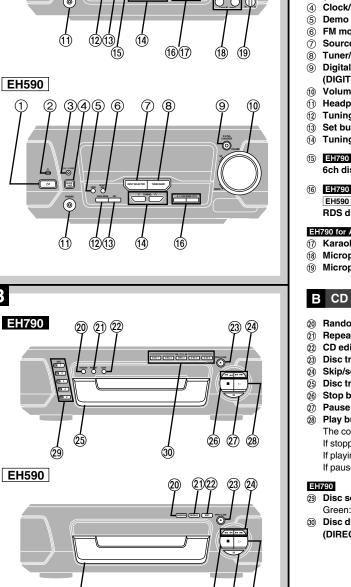


Simple set-up and play



The illustrations show SC-EH790 for the United Kingdom and Eastern Europe.





(26)

(27)

KAMONE ECHO

Α

Β

EH790

3(4)(5)

1

(6)

Front panel controls

A Tuner/amplifier

1	Standby/on switch ((⁽⁾ /I)
2	
ø	When the unit is connected to the AC mains supply, this indicator lights
	up in standby mode and goes out when the unit is turned on.
3	Play timer/record timer button and indicator
0	(@PLAY/@REC)
(4)	Clock/timer button (CLOCK/TIMER) 12, 31, 32
5	Demo button (–DEMO) 12
6	FM mode button (FM AUTO/MONO) 17
7	Source input button (INPUT SELECTOR)
8	Tuner/band button (TUNER/BAND) 17
9	Digital super woofer button and indicator
_	(DIGITAL S.WOOFER)
10	Volume control (VOLUME)
11	Headphone jack (PHONES)
12	Tuning mode button (TUNING MODE)
13	Set button (SET)
14)	Tuning buttons (v, \land TUNING) 12, 17
15	EH790 6ch discrete input button (6CH DISCRETE INPUT)
(()	EH700 for the United Kingdom and Eastern Europa
•	EH790 for the United Kingdom and Eastern Europe EH590
	RDS display mode button (RDS, PS–DISP MODE–PTY) 17
E	790 for Australia and N.Z.
E 17	790 for Australia and N.Z. Karaoke and echo buttons (KARAOKE, ECHO)
17 18	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35
17	Karaoke and echo buttons (KARAOKE, ECHO)
17 18 19	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35
17 18	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35
17 18 19	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player 35
17 18 19	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player 36 Random play button (RANDOM) 16
17 18 19	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player 35
17 18 19 20 21	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16
17 18 19 20 21 22	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29
	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29 Disc tray open/close button (I 8 Skip/search buttons (I< >>/>>/>> Random play button (I 13
	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC−2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29 Disc tray open/close button (I= 8 Stop button (■) 13 Disc tray 5
	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC−2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29 Disc tray open/close button (▲, OPEN/CLOSE) 8 Skip/search buttons (I◄◀/◄◀, ►►/下►I) 13 Disc tray 8 Pause button (II) 8
	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC−2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD chain (EDIT) 29 Disc tray open/close button (▲, OPEN/CLOSE) 8 Skip/search buttons (I◄◀/◄◀, ►▷/▷►I) 13 Disc tray 8 Pause button (II) 8 Play button and indicator (▷) 8
	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC−2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29 Disc tray open/close button (▲, OPEN/CLOSE) 8 Skip/search buttons (I◄◀/◄◀, ►►/►I) 13 Disc tray 8 Play button (II) 8 Play button and indicator (▷) 8 The colour of the indicator depends on the operation taking place. 8
	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29 Disc tray open/close button (▲, OPEN/CLOSE) 8 Skip/search buttons (I◄◀/◄◀, ►►/►I) 13 Disc tray 8 Pause button (II) 8 Play button and indicator (▷) 8 The colour of the indicator depends on the operation taking place. If stopped: orange
	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29 Disc tray open/close button (▲, OPEN/CLOSE) 8 Skip/search buttons (I◄◀/◄◀, ►►/►I) 13 Disc tray 8 Pause button (II) 8 Play button and indicator (▷) 8 The colour of the indicator depends on the operation taking place. If stopped: orange If playing: green
	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29 Disc tray open/close button (▲, OPEN/CLOSE) 8 Skip/search buttons (I◄◀/◄◀, ►►/►I) 13 Disc tray 8 Pause button (II) 8 Play button and indicator (▷) 8 The colour of the indicator depends on the operation taking place. If stopped: orange
1089 E 20223455223	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC–2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29 Disc tray open/close button (▲, OPEN/CLOSE) 8 Skip/search buttons (I◄◀/◄◀, ►►/►I) 13 Disc tray 8 Pause button (II) 8 Play button and indicator (▷) 8 The colour of the indicator depends on the operation taking place. If stopped: orange If playing: green
1089 E 20223455223	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC-2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29 Disc tray open/close button (▲, OPEN/CLOSE) 8 Skip/search buttons (I◄◀/◄◀, ►►/►I) 13 Disc tray 8 Pause button (II) 8 Play button and indicator (▷) 8 The colour of the indicator depends on the operation taking place. 8 If stopped: orange If playing: green If paused: flashes 16 TOO Disc select buttons and indicators (DISC, 1–5) 8
1089 I 202234355738 I 29	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC-2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29 Disc tray open/close button (▲, OPEN/CLOSE) 8 Skip/search buttons (I◄◀/◄◀, ►►/►I) 13 Disc tray 8 Pause button (II) 8 Play button and indicator (▷) 8 The colour of the indicator depends on the operation taking place. 8 If stopped: orange If playing: green If playing: green If playing: Green If playing: green 8 Disc select buttons and indicators (DISC, 1–5) 8 Green: Indicates that the tray is ready to play its CD or to be opened. 8
1089 E 2022225522	Karaoke and echo buttons (KARAOKE, ECHO) 35 Microphone jacks (1–MIC-2) 35 Microphone volume control (MIC VOL) 35 CD changer/CD player Random play button (RANDOM) 16 Repeat play button (REPEAT) 16 CD edit button (EDIT) 29 Disc tray open/close button (▲, OPEN/CLOSE) 8 Skip/search buttons (I◄◀/◄◀, ►►/►I) 13 Disc tray 8 Pause button (II) 8 Play button and indicator (▷) 8 The colour of the indicator depends on the operation taking place. 8 If stopped: orange If playing: green If paused: flashes 16 TOO Disc select buttons and indicators (DISC, 1–5) 8

To stop the disc Press [■].

Note

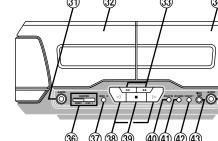
8

Simple set-up and play

To pause play

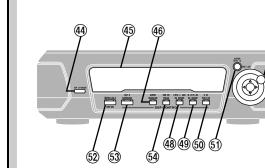
Press [**11**] during play. The " \triangleright " indicator flashes. Press [**11**] or [\triangleright] to resume play. "NO DISC" is displayed

When the unit is in CD mode but a disc isn't in the play position[∞] (SC-EH790) or in the player (SC-EH590). [∞]The disc in the play position is ready to play immediately when you press [▷]. Control guide and preparatory steps

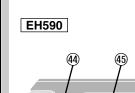


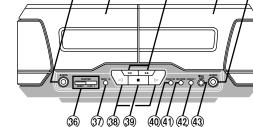






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Front panel controls

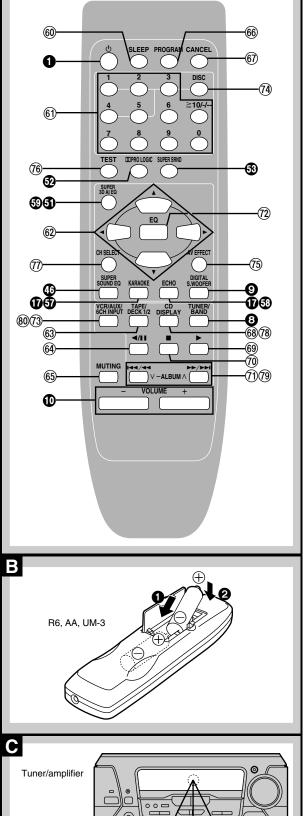
A Cassette deck

31	Deck 1 cassette holder open button (▲ OPEN) 19	9
32	Deck 1	
33	Fast forward/rewind, TPS buttons (◄◄, ►►))
34	Deck 2	
35	Deck 2 cassette holder open button (▲ OPEN) 19	9
36	Counter reset, display buttons	
	(COUNTER, RESET, DISPLAY) 28	3
37	Deck 1/deck 2 select button (DECK 1/2) 19	9
38	Playback buttons and indicators $(\triangleleft, \triangleright)$)
	The colour of the indicators depends on the operation taking place.	
	If stopped, fast forwarding or rewinding: orange	
	If playing or recording: green	
	While carrying out TPS or recording is on standby: flashes	
39	Stop button ()	•
(40)	Dolby noise reduction button (DOLBY NR) 19	9
(41)	Reverse mode button (REV MODE) 19	9
(42)	Tape edit button (TAPE EDIT))
(43)	Record pause button (REC PAUSE)	
9		

B Sound processor

Gisplay mode button (DISPLAY MODE)
(45) Display
Super sound EQ button (SUPER SOUND EQ)
EH790
④ Jog control and joystick (◄, ►, ▲, ▼, MULTI JOG)
Wirtual rear surround button and indicator
(VIRTUAL REAR SURROUND)
49 Multi rear surround button and indicator
(MULTI REAR SURROUND)
Seat position button and indicator (SEAT POSITION) 27
Super 3D AI EQ button (SUPER 3D AI EQ)
DOLBY PRO LOGIC button and indicator
(DDPRO LOGIC, OFF/ON) 24
Super surround button and indicator
(SUPER SURROUND) 24
Genter focus button and indicator
(CENTER FOCUS)
EH590
55 Multi control buttons
(◀, ►, ▲, ▼, MULTI CONTROL)
56 EQ button (EQ) 20
57 AI EQ button (AI EQ)
68 Manual EQ buttons (M1, M2, M3) 22
59 Flat button (FLAT)

The illustration shows the remote control for SC-EH790 Α for Australia and N.Z.



Front panel controls

A Remote control

Buttons such as 1 function in the same way as the controls on the main unit.

60	Sleep timer button (SLEEP)
5	Numbered buttons $(1-9, 0, \ge 10/-/)$
32	Cursor buttons $(\blacktriangleleft, \blacktriangleright, \blacktriangle, \bigtriangledown)$
33	Tape select, deck 1/deck 2 select button
	(TAPE/DECK 1/2)
54)	CD pause/tape reverse playback button (
55	Muting button (MUTING) 34
6	Program button (PROGRAM) 15
37)	Cancel button (CANCEL) 15
8	CD button (CD) 15, 16
39	CD play/tape forward playback button (►) 15, 19
70	CD/tape stop button (■) 15, 19
1	CD skip/search, tape fast forward/rewind buttons
	(I◄◄/◄◄, ►►/►►I)
12)	EQ button (EQ) 20
	790
73)	Input select button (VCR/AUX/6CH INPUT) 24, 37

73	Input select button (VCR/AUX/6CH INPUT) 24	37
74)	Disc button (DISC)	15
75	AV effect button (AV EFFECT)	26
76	Test button (TEST)	25
ñ	Channel select button (CH SELECT)	25
78	Display button (DISPLAY)	14
79	Album skip buttons (v, A –ALBUM)	13
E	4500	

EH590

The remote control

B Batteries

•Insert so the poles (+ and) match those in the remote control. •Do not use rechargeable type batteries.

Do not;

•mix old and new batteries.

•use different types at the same time.

•heat or expose to flame.

•take apart or short circuit.

•attempt to recharge alkaline or manganese batteries.

•use batteries if the covering has been peeled off.

•keep together with metallic objects such as necklaces.

Mishandling of batteries can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire.

If electrolyte leaks from the batteries, consult your dealer.

Wash thoroughly with water if electrolyte comes in contact with any part of your body.

Remove if the remote control is not going to be used for a long period of time. Store in a cool, dark place.

Replace if the unit does not respond to the remote control even when held close to the front panel.

C Use

7m

30

30°

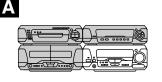
Aim at the sensor, avoiding obstacles, at a maximum range of 7 meters directly in front of the unit.

•Keep the transmission window and the unit's sensor free from dust. •Operation can be affected by strong light sources, such as direct sunlight, and the glass doors on cabinets.

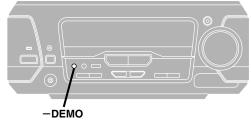
Do not; •put heavy objects on the remote control. •take the remote control apart. • spill liquids onto the remote control.

11

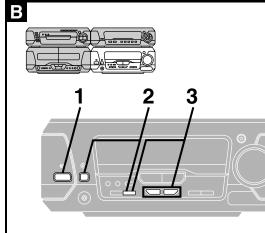
Control guide and preparatory steps



-DEMO

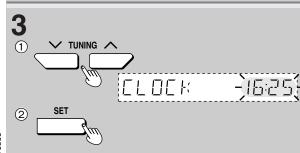


1EMO NΠ Gm









A Turning DEMO off

A demonstration of the display is shown if you have not set the clock. You can reduce the power consumed in standby mode by turning the demonstration off.

While the unit is on: Press and hold [-DEMO] until "NO DEMO" is

displayed. Each time you press and hold the button: NO DEMO (off) DEMO (on)

B Setting the time

This is a 24-hour clock.

The example shows how to set the clock for 16:25 (4:25 p.m.).

1 Press [⁽⁾/I] to turn the unit on.

2 (1) Press [CLOCK/TIMER] to display "CLOCK". Each time you press the button: CLOCK→ ⁽²⁾PLAY → ⁽²⁾REC → Original display

(2) Within 5 seconds Press [SET].

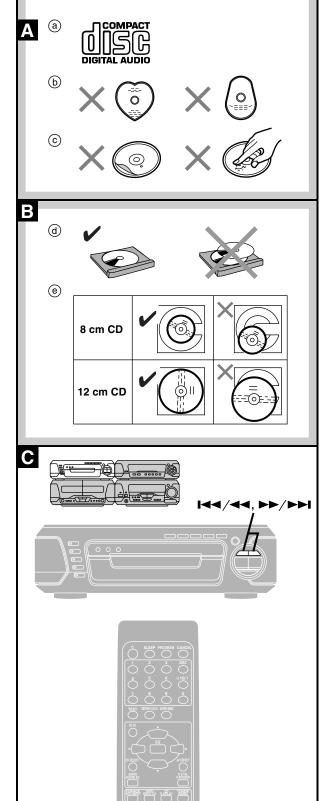
3 (1) Press [TUNING (\vee or \wedge)] to set the time. The time display can be changed in one minute units by tapping the buttons, and quickly by holding down the buttons.

(2) Press [SET]. The time is set and the original display is restored.

Displaying the clock Press [CLOCK/TIMER].

The clock is shown for about 5 seconds.

Reset the clock regularly to maintain accuracy.



aa/aa ►)∨ Album∧(

|44/44

 $\vee - \text{ALBUM} \land$

CDs

See page 8 for basic CD play.

CD selection

Choose discs with this mark (a).

Note on CD-R and CD-RW

This unit can play CD-R/RW (audio recording disc) recorded with CD-DA, WMA (SC-EH790) or MP3 (SC-EH790). Finalize the disc after recording. *A process that allows play on compatible equipment.

EH790

See page 14 for details about WMA and MP3.

Do not:

•use irregularly shaped discs ((b)). attach extra labels and stickers. •use discs with labels and stickers that are coming off or with adhesive exuding from under labels and stickers (ⓒ).

attach scratch-proof covers or any other kind of accessory.

- •write anything on the CD.
- •clean CDs with liquids. (Wipe with a soft, dry cloth.)
- •use CDs printed with label printers available on the market.

To prevent damage

Always observe the following points. •Load only 1 CD per tray (@). •Load CDs as shown in figure (()). An adaptor is not needed with 8 cm CDs (singles). •Set the system on a flat, level surface. Always unload all CDs before moving the system.

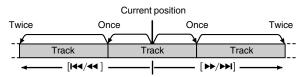
Do not;

•set it on top of magazines, inclined surfaces, etc. •move the system while tray is opening/closing, or when loaded. •put anything except CDs in trays. •use cleaning CDs or CDs which are badly warped or cracked.

Skipping and searching through tracks

Skipping tracks

Press [I44/44] (backward), or [>>/>>I] (forward).



Skipping albums EH790 (WMA/MP3 only)

Press and hold [I44/44] (backward), or [>>/>>I] (forward) on the main unit

Press and hold [-ALBUM (v or ^)] on the remote control.

Searching through tracks

During play Press and hold [I44/44] (backward), or [>>/>>I] (forward).

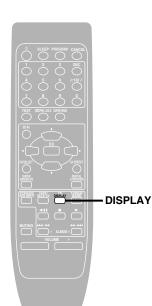
Note

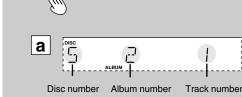
• Skipping is done in the selected order in program play (→ page 15). •You cannot skip to tracks already played in random play (⇒ page 16).

•You can search only within tracks in program and random play. EH790 (WMA/MP3 only)

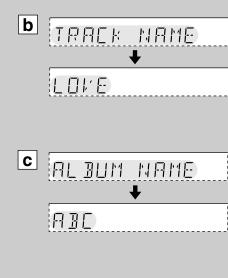
•You cannot search through tracks.

Control guide and preparatory steps



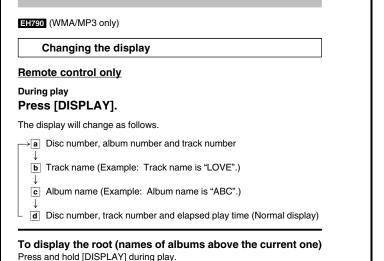


DISPLAY





Disc number Track number Elapsed play time



"ROOT", name(s) of album(s) above the current one, current album name and track name scroll across the display. Root also appears when you move to another track (only when the display

Root also appears when you move to another track (only when the display mode **b** or **c** above is selected).

Note

CDs

The unit displays up to 12 characters each for album/track name.

WMA and MP3 information

Discs must conform to ISO9660 level 1 or 2 (except for extended formats).
This unit is compatible with multi-session but if there are a lot of sessions it takes more time for play to start. Keep the number of sessions to a minimum to avoid this.

Notes on WMA only

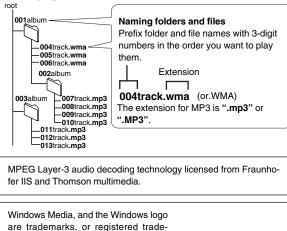
Noise may occur when playing WMA files.
 When creating a WMA disc, ensure the copyright feature is off.

Notes on MP3 only

- •This unit is not compatible with ID3 tags.
- •This unit is not compatible with files with a sampling rate of 32 kHz.

 If you play an MP3 track that includes still picture data, it will take some time before the music itself starts playing and the elapsed time will not be displayed during this time. Even after the track starts, the correct play time will not be displayed.

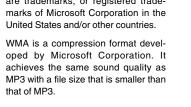
Order of play

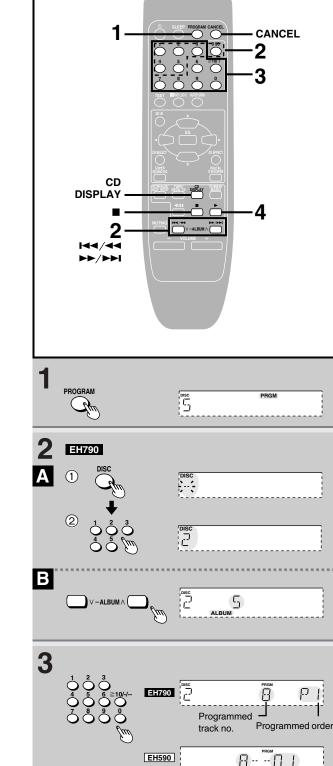


esigned for

Windows

Media™





Programmed track no. Programmed order

4

CDs

Program play

Select up to 24 tracks to play in the order you choose.

Remote control only

Preparation: Press [CD] to put the unit in CD mode. EH790 (WMA/MP3 only) You can use program play only within a disc in the play position tray. Ensure a WMA/MP3 disc is in the play position tray.

1 Press [PROGRAM].

2 EH790

- A For CD (CD-DA)
- 1) Press [DISC].
- 2 Within 10 seconds or so
- Press [1]-[5] to select the disc.

B For WMA/MP3

Press and hold [–ALBUM (\vee or \wedge)] to select the album.

3 Select the track with the numbered buttons. To select a 2-digit number

e.g. To select track 21, press $[\ge 10/-/--] \rightarrow [2] \rightarrow [1]$

To select a 3-digit number EH790

e.g. To select track 123, press [≧10/-/--]→[≧10/-/--]→[1]→[2]→[3]

EH790

Alternatively, press [III/I] or [II/I] then press [PROGRAM].

Repeat steps 2 through 3 (SC-EH790) or step 3 (SC-EH590) to program additional tracks in the required order.

4 Press [▶].

To cancel

Press [I] while stopped. [EH590] Alternatively, press [PROGRAM]. All the tracks are canceled.

"FULL" is displayed

If 24 tracks have been programmed.

"--:--" is displayed if;

- •total playing time for the tracks is over 99 minutes and 59 seconds.
- •a track numbered 25 or over was programmed.
- •a disc not in playing position was programmed (SC-EH790).
- •a WMA/MP3 disc was programmed (SC-EH790). Tracks can still be programmed and played.

- To check the contents of the program (1) Press [DISPLAY] (SC-EH790) or [CANCEL] (SC-EH590).
- Press [III] (OF LITISO) of [OFINICLE] (OF LITISO).
 Press [III] (AT) or [III] (EACH time you press the button, the contents of the program are displayed.
- ③ EH590 After the playing time appears on the display, press [CANCEL].

To add to the end of the program

Repeat steps 2 and 3 (SC-EH790) or step 3 (SC-EH590).

To cancel tracks

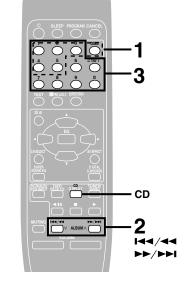
The last track (SC-EH790)	Press [CANCEL].
A particular track	 Press [DISPLAY] (SC-EH790) or [CANCEL] (SC-EH590). Select the track with [I◄◄/◄◀] or [▶►/▶►] then press [CANCEL]. EH590 Press [CANCEL] again.
All tracks	Cancel program play (see above).

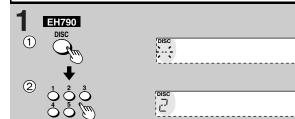
To program the track you are listening to <u>CD (CD-DA) only</u> Press [PROGRAM]. The program mode engages and the current track is automatically recorded as program No. 1.

14

Basic operations







5

Е

0:0 1

0:0 1

45:26

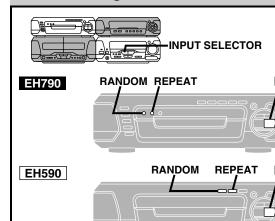
16

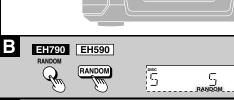
C

ALBUM

3

EH790





EH590

REPEAT



Preparation: Press [CD] on the remote control or [INPUT SELECTOR] on the tuner/amplifier to select "CD".

A Direct access play

EH790

1

Starts normal play from a selected track on a selected disc to the last track of the final disc (
page 8).
EH590

Starts normal play from a selected track to the last track.

Remote control only

EH790

- Press [DISC].
 Within 10 seconds or so Press [1]-[5] to select the disc.
- 2 EH790 (WMA/MP3 only) Press and hold [-ALBUM (∨ or ∧)] to select the album.
- 3 Select the track with the numbered buttons. To select a 2-digit number e.g. To select track 21, press [≥10/-/--]→[2]→[1] To select a 3-digit number =1730 e.g. To select track 123, press [≥10/-/--]→[≥10/-/--]→[1]→[2]→[3]
 - EH790 Alternatively, press [I44/44] or [>>/>>I].

B Random play

EH790 Plays the tracks on all discs once each in random order. (For WMA/MP3, you cannot use random play.)

Plays the tracks once each in random order.

Press [RANDOM].

To cancel Press [RANDOM]. "RANDOM" goes out.

ANDOW GOES OF

For your reference: In the program play mode (→ page 15), the programmed tracks are played randomly.

C Repeat play

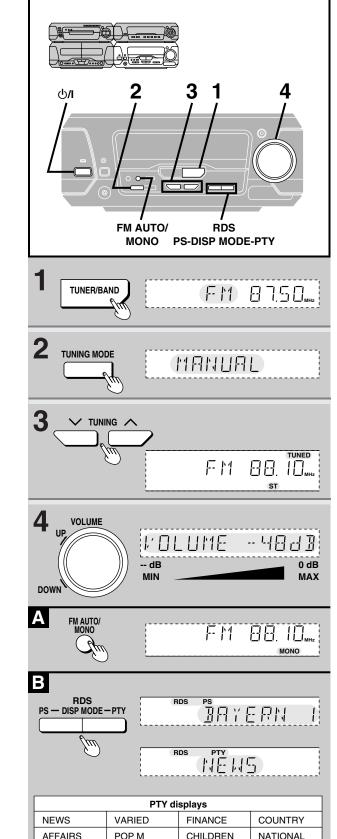
EH790 Repeats all tracks on all discs or all programmed tracks. EH590 Repeats all tracks or programmed tracks.

Press [REPEAT] before or during play.

To cancel Press [REPEAT].

" " goes out." To repeat only your favourite track(s)

Program the track(s) you want (= page 15). Press [REPEAT] and make sure " ⇐)" is displayed. Press [▷]. Play will start.



ROCK M

M.O.R M*

LIGHT M

CLASSICS

OTHER M

WEATHER

INFO

SPORT

DRAMA

EDUCATE

CULTURE

SCIENCE

SOCIAL A

RELIGION

PHONE IN

TRAVEL

LEISURE

JAZZ

OLDIES

FOLK M

TEST

ALARM

DOCUMENT

The radio: manual tuning

Radio stations can be tuned manually by selecting the station's frequency or they can be preset into channels to make it easy to tune (\Rightarrow page 18).

Preparation: Press [U/I] to turn the unit on.

- **1** Press [TUNER/BAND] to select FM or AM. Each time you press the button: FM₂AM
- 2 Press [TUNING MODE] to select "MANUAL". Each time you press the button: MANUAL → PRESET
- **3** Press [TUNING (∨ or ∧)] to tune in the desired broadcast.

If you press and hold [TUNING (\vee or \wedge)] for a moment, the frequency starts changing automatically. It stops when a station is found. It may also stop if there is outside interference. Press and hold [TUNING (\vee or \wedge)] again to restart. You can also stop the frequency changing by pressing [TUNING (\vee or \wedge)].

- "TUNED" is displayed when a radio station is tuned. "ST" is displayed when a stereo FM broadcast is being received.
- **4** Adjust the volume.

If noise is excessive in FM

Press [FM AUTO/MONO] to display "MONO".

This mode improves sound quality if reception is weak for some reason but broadcasts are heard in monaural. Press [FM AUTO/MONO] again to cancel the mode. "MONO" goes out. MONO is also canceled if the frequency is changed.

Turn off "MONO" for normal listening. Stereo and monaural broadcasts are automatically played as they are received.

Stations can be preset in monaural. Carry out presetting manually (+ page 18).



This unit can display the text data transmitted by the radio data system (RDS) available in some areas. If the station you are listening to is transmitting RDS signals, "RDS" will light up on the display.

Displaying the text data

Press [PS-DISP MODE] to display a station name. Press [DISP MODE-PTY] to display a program type. Each time you press the button: Frequency display PS or PTY display

Note

RDS displays may not be available if reception is poor.

*"M.O.R M"="Middle of the road music"

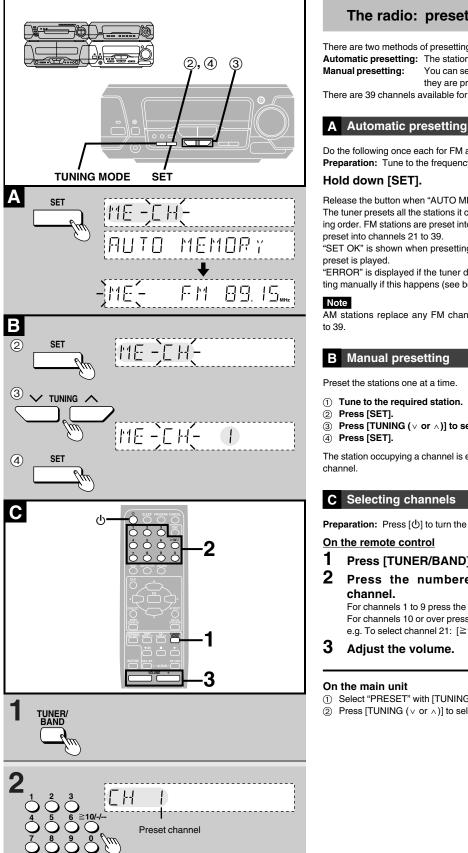
EH790

REPEAT

R

С

16





There are two methods of presetting stations. Automatic presetting: The stations the tuner can receive are preset. Manual presetting: You can select the stations to preset and the order they are preset in. There are 39 channels available for presetting.

Do the following once each for FM and AM. Preparation: Tune to the frequency presetting is to begin at (-> page 17).

Hold down [SET].

Release the button when "AUTO MEMORY" appears.

The tuner presets all the stations it can receive into the channels in ascending order. FM stations are preset into channels 1 to 39, and AM stations are preset into channels 21 to 39.

"SET OK" is shown when presetting is complete and the last station to be preset is played.

"ERROR" is displayed if the tuner doesn't receive any stations. Do presetting manually if this happens (see below).

Note

AM stations replace any FM channels that were preset in channels 21

B Manual presetting

- Preset the stations one at a time.
- (1) Tune to the required station.
- 2 Press [SET].
- ③ Press [TUNING (v or ^)] to select a channel. ④ Press [SET].

The station occupying a channel is erased if another station is preset in that channel.

C Selecting channels

Preparation: Press [0] to turn the unit on.

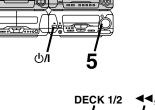
- On the remote control
- Press [TUNER/BAND].
- **2** Press the numbered buttons to select the channel.

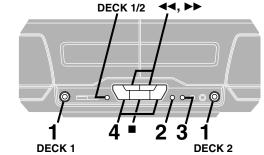
For channels 1 to 9 press the corresponding number. For channels 10 or over press $[\geq 10/-/--]$, then the two digits. e.g. To select channel 21: $[\geq 10/-/--] \rightarrow [2] \rightarrow [1]$

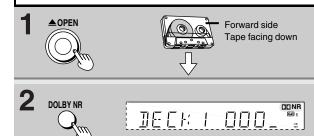
Adjust the volume.

On the main unit

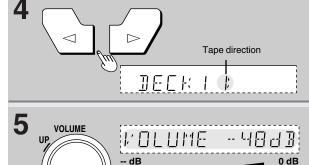
(1) Select "PRESET" with [TUNING MODE]. (2) Press [TUNING (\vee or \wedge)] to select the channel.

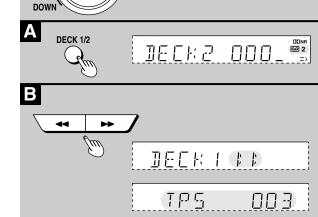












MIN

Cassette tapes

See page 39 for tape selection.

Preparation: Press [U/I] to turn the unit on.

- 1 Press [OPEN] on deck 1 or deck 2 and insert the cassette. Close the holder by hand.
- 2 Press [DOLBY NR] to select Dolby NR on ("DONR" appears) or off.
- 3 Press [REV MODE] to select the reverse mode. Each time you press the button:
 - \Rightarrow : One side is played.
 - \Rightarrow : Both sides are played.
 - C=>: Both sides are played 8 times each.
- 4 **Press** $[\triangleleft]$ (reverse side) **or** $[\triangleright]$ (forward side). Play begins and the indicator changes to green.
- 5 Adjust the volume.

To stop the tape Press [I].

A To change the deck to be used

Press [DECK 1/2] to select the deck you want to play.

To listen to 2 tapes consecutively

Insert a tape into each deck and select "CTD". Both tapes will be played 8 times each.

Finding a place on a tape

To fast-forward and rewind

Press $[\triangleleft]$ or $[\triangleright]$ while the tape is stopped.

To find the beginning of a track (TPS: Tape program sensor) Press $[\triangleleft]$ or $[\triangleright]$ during play. Play resumes from the beginning.

Tape direction	rewind	fast-forward
\triangleright	••	••
4	>>	44

• Each deck's play direction is stored in the system's memory.

•You can fast-forward or rewind the tape while you are playing or recording a tape in another deck.

Press [DECK 1/2] to switch to the deck not playing, and then press [◀◀] or [▶▶]. After the above operation, be sure to press [DECK 1/2] to reselect the deck playing.

Note

MAX

TPS may not operate correctly in the following situations: If the interval between tracks is less than 4 seconds. If there is noise between tracks. If there are silent parts within tracks

Dolby noise reduction

Dolby NR reduces "hissing" when playing tapes. It increases the high frequency region when recording and then reduces it in playback. Use the same system during playback and recording. This unit has Dolby B NR which reduces noise to a third.

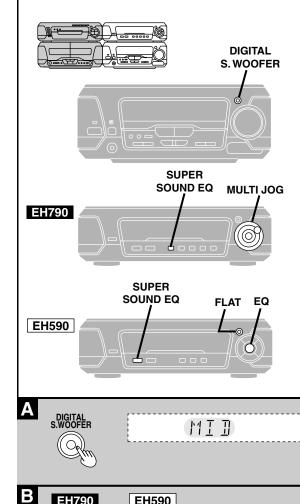
Prerecorded cassettes and equipment marked "DDNR" use Dolby B NR.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories

3 VOLUME

18

Basic operations



EH590

SUPER

SOUND EQ

SUPER

ΕQ





EH790

SUPER

SOUND EQ

A Boosting the super woofer

Boosting the super woofer adds power to the bass. Press [DIGITAL S.WOOFER]. The indicator turns green. Each time you press the button: MID (medium) \rightarrow MAX (high) \rightarrow cancel (off)

There is only one level when listening through headphones.

To cancel Press [DIGITAL S.WOOFER] to turn the indicator off.

B Using the super sound equalizer

Turning on the super sound equalizer gives you a more powerful sound.

Press [SUPER SOUND EQ]. The indicator turns green.

To cancel

Press [SUPER SOUND EQ] so the indicator turns orange (SC-EH790) or turns off (SC-EH590).

C Changing sound field and quality

EH790

Turn [MULTI JOG] to select a setting.				
Each time you turn:				
HEAVY: Adds punch to rock.				
CLEAR:	Clarifies higher sounds.			
SOFT:	For background music			
HALL:	Expands sound to make you feel like you were in a hall.			
AI-EQ:	Adjust sound with the acoustic image equalizer (\Rightarrow page 21).			
M.EQ:	Create your own effects (➡ page 22).			
FLAT:	Canceled (no effect is added).			

EH590

Press [EQ] to select a setting. Each time you press the button: HEAVY: Adds punch to rock. CLEAR: Clarifies higher sounds. SOFT: For background music

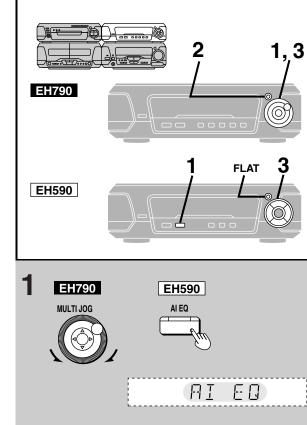
On the remote control Press [EQ].

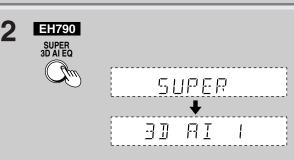
To cancel

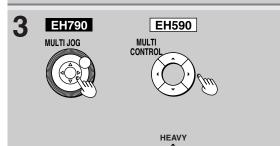
EH790 Turn [MULTI JOG] to select "FLAT". EH590 Press [FLAT].

Note EH790

Turn off the effect if sound quality reduces when using HALL with a source.







SHARE SOFT LIGHT

Changing sound field and quality

Using the acoustic image equalizer (AI EQ)

Achieve subtle sound quality settings with the soft, sharp, heavy, and light coordinates.

1 EH790

Turn [MULTI JOG] to select "AI EQ". EH590 Press [AI EQ] to select "AI EQ".

The indicator turns green.

2 EH790

Press [SUPER 3D AI EQ] to select the surround level. Each time you press the button: AI EQ→SUPER 3D AI 1→SUPER 3D AI 2

SUPER 3D AI 1: Adds a surround effect to the AI EQ. SUPER 3D AI 2: Adds a stronger surround effect to the AI EQ.

3 Change the sound quality with $[\blacktriangleleft, \triangleright, \blacktriangle, \nabla]$. Adjust softness and sharpness with $[\blacktriangleleft, \triangleright]$. Adjust heaviness and lightness with $[\blacktriangle, \nabla]$.

The original display is restored on the display panel in about 5 seconds.

To cancel

EH790 Turn [MULTI JOG] to select "FLAT". **EH590** Press [FLAT]. The indicator turns off.

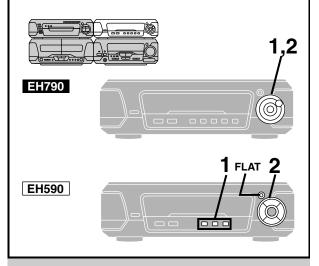
The changes you make are stored and automatically recalled the next time you select AI EQ.

Note EH790

•Turn off the effect if sound quality reduces when using SUPER 3D AI EQ with a source.

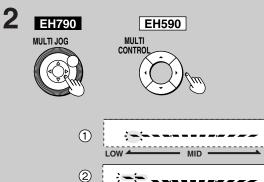
- •You cannot select "SUPER 3D AI 1" or "SUPER 3D AI 2" while:
- ●Using a surround system (⇒ page 23)
- ●Karaoke mode is on (SC-EH790 for Australia and N.Z. only → page 35) •Listening to the radio
- Using headphones

20T









Changing sound field and quality

Using the manual equalizer (M.EQ)

Create your own sound quality effects. SC-EH590 has three manual equalizers.

> EH790 Turn [MULTI JOG] to select "MANUAL". [EH590]

Press [M1], [M2], or [M3] to select the equalizer you want to set. The indicator turns green.

Change the sound quality with [◄, ►, ▲, ▼].
① Select the sound range to be adjusted with [◄] or [►].
② Adjust the level with [▲] or [▼].

Repeat step 2 to set the desired sound quality. The original display is restored on the display panel in about 5 seconds.

To cancel

1

EH790 Turn [MULTI JOG] to select "FLAT".

EH590 Press [FLAT]. The indicator turns off.

Note The changes you make are stored and automatically recalled the next time you select the manual equalizer.

Enjoying surround sound

EH790

The following chart gives a summary of this unit's surround features. It also shows additional effects that can be used to enhance your enjoyment.
Note
All the features are only effective if apparents are used. No discorptible
("DTS", "DTS Digital Surround" and "DTS Digital Out" are regis-

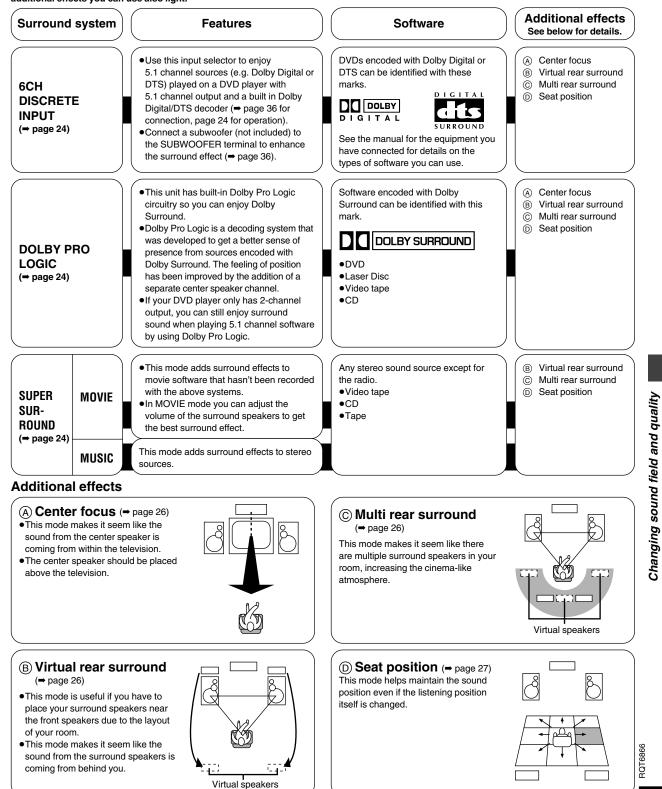
All the features are only effective if speakers are used. No discernible effect will be heard through headphones.
You may experience a reduction in sound quality when these surround surface and offects are used with some sources. If this population turn the second second

systems and effects are used with some sources. If this occurs, turn the surround system or effect off. When you turn on one of the surround systems, the indicator for the

When you turn on one of the surround systems, the indicator for the additional effects you can use also light.

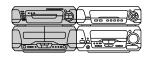
tered trademarks of Digital Theater Systems, Inc.

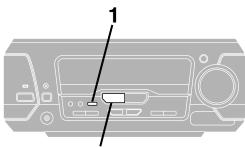
Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.



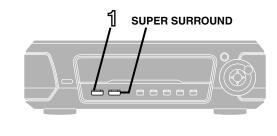
Changing sound field and quality





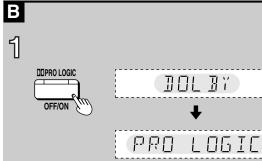


INPUT SELECTOR





MUSIE



SUPER

SURROUND

Α

1

Enjoying surround sound

EH790

See page 25 for speaker level adjustments.

A 6CH DISCRETE INPUT

Preparation: Connect a DVD player with a built in Dolby Digital or DTS decoder (⇒ page 36).

- Press [6CH DISCRETE INPUT].
- 2 Playback a Dolby Digital or DTS source.

On the remote control

Press [VCR/AUX/6CH INPUT] to select "6CH INPUT".

To cancel Press [INPUT SELECTOR] to select another source.

Note

You cannot record or enjoy karaoke (For Australia and N.Z.) when you are using 6CH DISCRETE INPUT. To record or enjoy karaoke with DVDs, ensure the DVD player is also connected to the AUX (DVD) terminals and select "AUX (DVD)" with [INPUT SELECTOR] (→ page 37).

B DOLBY PRO LOGIC

- Press [DD PRO LOGIC, OFF/ON]. The indicator turns green.
- 2 Playback a Dolby Surround source.

To cancel

Press [DD PRO LOGIC, OFF/ON] so the indicator turns off.

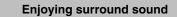
C SUPER SURROUND

Press [SUPER SURROUND] and select "MOVIE" or "MUSIC". The indicator turns green. Each time you press the button: MUSIC→MOVIE→STEREO SOUND (off) Ł

To cancel

Press [SUPER SURROUND] to select "STEREO SOUND". The indicator turns off.

TEST-CH SELECT CHINFUT DECKT/2 DISPLAY (1) CH SELECT Ech 0 d 3 TEST TEST Ech 2 - 2 d B Ech



EH790

Speaker level adjustments

6CH DISCRETE INPUT, DOLBY PRO LOGIC

If the level of the speakers appears to be different while listening to a source, adjust the level of the speakers to the same apparent level. 6CH DISCRETE INPUT: Adjust while listening to a surround source. If your DVD player is able to output a test signal, you can use it instead of playing a source. DOLBY PRO LOGIC: Adjust while listening to a test signal.

Preparation: Set the volume level of the front speakers normally used for enjoying the source.

Remote control only

(1) 6CH DISCRETE INPUT

Press [CH SELECT] to select the speaker. The speaker channel changes each time you press the button. DOLBY PRO LOGIC Press [TEST]. A test signal is output from each speaker in order.

- To stop the test signal, press [TEST] again.
- Lch: Front left
- Cch: Center
- Front right Rch:
- RSch: Right surround
- LSch: Left surround SWch: Subwoofer (6CH DISCRETE INPUT; only when connected)
- •The surround channel for Dolby Pro Logic is monaural so the indicator appears as "Sch" instead.
- ② Press [▲] (to increase level) or [▼] (to decrease level).

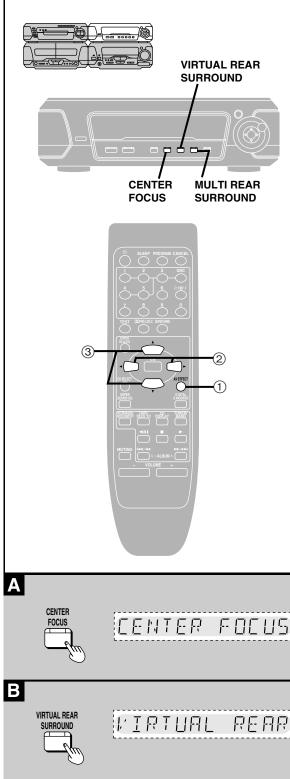
SUPER SURROUND

- While playing a source
- 1. Press [CH SELECT].
- 2. Press [▲] (to increase level) or [▼] (to decrease level).

24

25





Surround effects

EH790

These effects can be used with the surround systems described on page 24. Refer to the chart on page 23 for details on which effects can be used. These effects are available when the corresponding indicators are alight.

CENTER FOCUS

Press [CENTER FOCUS]. The indicator turns green.

To cancel

Press [CENTER FOCUS] so the indicator turns orange.

On the remote control ① Press [AV EFFECT]. ② Press [4] or [b] so the CENTER EOCUS ind

② Press [◀] or [►] so the CENTER FOCUS indicator flashes.
 ③ Press [▲] (ON) or [▼] (OFF).

VIRTUAL REAR SURROUND

Press [VIRTUAL REAR SURROUND]. The indicator turns green.

To cancel

Press [VIRTUAL REAR SURROUND] so the indicator turns orange.

On the remote control

- Press [AV EFFECT].
 Press [◀] or [▶] so the VIRTUAL REAR SURROUND indicator flashes.
- ③ Press [▲] (ON) or [▼] (OFF).

MULTI REAR SURROUND

Press [MULTI REAR SURROUND]. The indicator turns green.

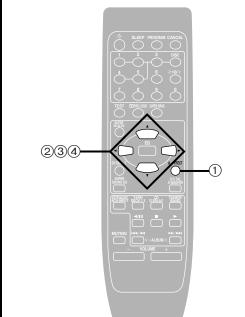
To cancel

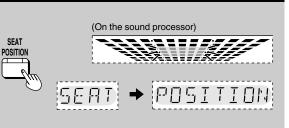
Press [MULTI REAR SURROUND] so the indicator turns orange.

On the remote control

- Press [AV EFFECT].
 Press [◀] or [▶] so the MULTI REAR SURROUND indicator flashes.
- ③ Press [▲] (ON) or [▼] (OFF).









Surround effects

EH790

1

2

SEAT POSITION

- **Press [SEAT POSITION].** The indicator flashes green.
- 2 While the indicator is flashing (within 10 seconds) Adjust the seat position with $[\blacktriangleleft, \triangleright, \blacktriangle, \blacktriangledown]$.

The indicator flashes for 10 seconds then lights green.

To cancel

- 1. Press [SEAT POSITION] so the indicator flashes.
- 2. Press [SEAT POSITION] again while the indicator is flashing so it turns orange.

On the remote control

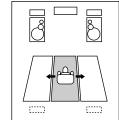
- ① Press [AV EFFECT].
- ② Press [◀] or [▶] so the SEAT POSITION indicator flashes.
- ③ Press [▲] (ON).
 ④ Adjust the seat position with [◄, ►,▲, ▼].

To turn it off, after steps (1) and (2) press [\mathbf{V}] so the indicator turns orange.

Note

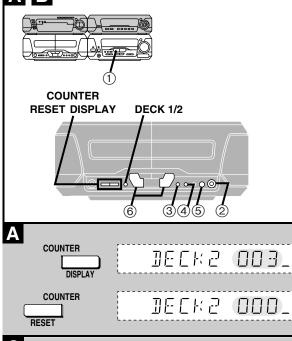
•The seat position is remembered by the unit and is reactivated when you turn seat position on again.

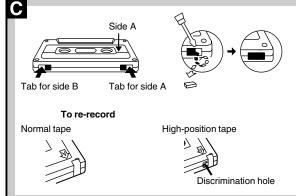
•When used with virtual rear surround, seat position is changed in 3 horizontal steps.



Changing sound field and quality

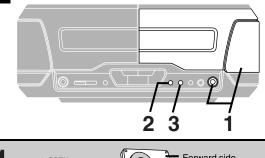




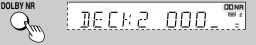


D

Recording operations









Before recording (Deck 2 only)

See page 39 for tape selection.

Note

EH790 You cannot record when [6CH DISCRETE INPUT] is selected.

Volume, sound quality and surround effects have no effect on recording. Sound quality and surround effects are automatically set to flat when recording.

To display the tape counter while recording

Press [COUNTER DISPLAY]. The counter is displayed for about 5 seconds.

Press [COUNTER RESET] to reset the counter.
To display or reset the tape counter for deck 1, first press [DECK 1/2].

Erasing recordings

Press [INPUT SELECTOR] to select "TAPE".
 Insert the recorded tape into deck 2.
 Press [DOLBY NR] so the "DD NR" indicator goes out.
 Select the reverse mode.
 Press [● REC PAUSE].
 Press [<] or [▷].

Erasure prevention

The illustration shows how to remove the tabs to prevent recording. To record on the tape again, cover as shown, being careful not to cover the high position discrimination hole.

Your attention is drawn to the fact that recording pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

D Preparatory steps

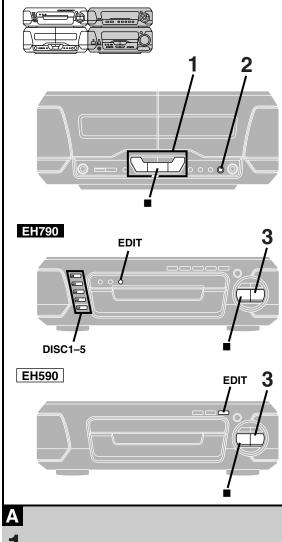
Do these steps before each recording. Wind up the leader tape so recording can begin immediately.

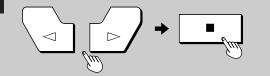
1 Press [▲ OPEN] on deck 2 and insert the cassette.

Close the holder by hand.

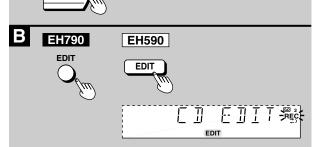
- 2 Press [DOLBY NR] to select Dolby NR on ("D□NR" appears) or off. (➡ "Dolby noise reduction", page 19)
- **3** Press [REV MODE] to select the reverse mode.
 - Each time you press the button:
 - \downarrow : One side only records. \downarrow and $(\downarrow$): Both sides record (forward \rightarrow reverse).

"(⊂,)" automatically changes to ",)" when [● REC PAUSE], [EDIT] or [TAPE EDIT] is pressed.









Recording CDs

Preparation:

●Do the preparatory steps (→ page 28).
●Insert the CD(s) you want to record (→ page 8).

EH790

Press [DISC, 1–5] on the CD changer to select the disc where you want to start recording, then press [■] to stop the disc.

A Normal recording

- **1** Press [⊲] (reverse side) or [▷] (forward side) then **[■]** to set the tape direction.
- 2 Press [● REC PAUSE].

The deck goes into the recording standby mode and the indicator " \lhd " or " \triangleright " starts flashing.

3 Press [▷] on the CD changer or CD player. Recording starts automatically.

4 seconds after the $\mathsf{CD}(s)$ finishes, the deck goes into the recording standby mode.

To stop recording

EITHER Press [I] on the CD changer or CD player.

The deck goes into the recording standby mode 4 seconds later.

OR Press [■] on the deck.

Recording stops immediately but the CD continues to play.

To record programmed tracks

Program tracks before step 1 (→ page 15).

B One touch CD editing

This function makes it easier for you to record from discs.

●When recording, if a track is cut off in the middle at the end of the front side, it is recorded from the beginning on the reverse side. (Ensure the reverse mode "→" is selected.)

• At the end of the reverse side recording stops and the current track will be interrupted.

After pressing $[\lhd]$ or $[\rhd]$ then $[\blacksquare]$ on the cassette deck to set the tape direction,

Press [EDIT].

Recording starts. In the meantime, "CD EDIT" will scroll across the display.

After edit-recording has finished, the cassette deck automatically stops.

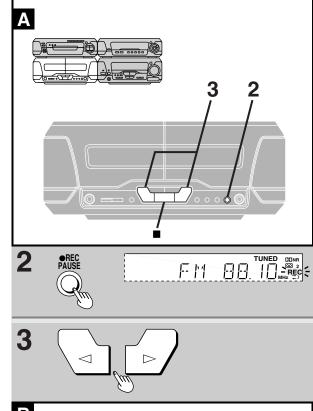
To stop editing

Press (III) on the CD changer or CD player. The cassette deck also stops. "EDIT OUT" scrolls across the display.

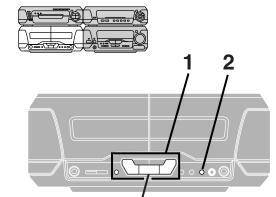
To edit programmed tracks

Program the tracks (→ page 15) and press [EDIT].





В



(1)

DECK 1/2

TAPE EDIT

A Recording the radio

Preparation: Do the preparatory steps (→ page 28).

- **1** Tune to the required station. (→ page 17 or 18)
- 2 Press [● REC PAUSE]. The deck goes into the recording standby mode and the play indicator "⊲" or "⊳" starts flashing.
- **3** Press [⊲] (reverse side) or [▷] (forward side) to start recording.

To stop recording Press [■].

To temporarily stop recording Press [● REC PAUSE]. The deck goes into recording standby mode. To resume recording press [⊲] or [▷] with the flashing indicator.

B Tape-to-tape recording

Preparation:

Do the preparatory steps 1 and 3 (⇒ page 28).
Insert the tape to be recorded in deck 1.

Set the tape direction on both decks.
 ① Press [DECK 1/2] to select "DECK 2".
 ② First press [⊲] or [▷], and then [■].

Repeat steps (1) and (2) for deck 1.

2 Press [TAPE EDIT] to start recording. The indicator "⊲" or "⊳" shows deck 2 direction. If either deck 1 or deck 2 stops, the other deck also stops.

To stop recording

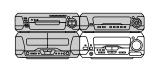
Press [■]. Both decks will stop.

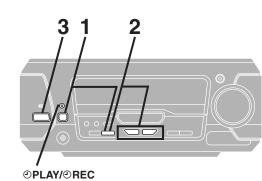
To enjoy another source while recording

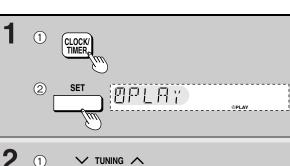
Start playing the other sound source. You can change the volume level and tone quality without affecting the recording.

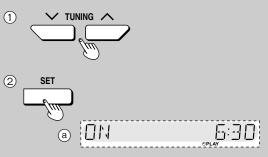
Note

The recording level and the noise reduction effect of the original (playback) tape will be recorded on the new tape.





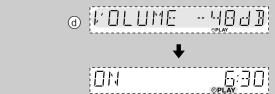














3

Using the timers

The play timer

This timer starts play of the selected source at the selected time. The example shows settings for preset radio channel 1 to play between 6:30 and 7:40 at 48 dB.

Preparation: Turn the unit on, set the time (→ page 12), preset radio stations if you want the timer to start playing the radio (→ page 18).

1 ① Press [CLOCK/TIMER] to select "②PLAY".

Each time you press the button: CLOCK→☉PLAY→☉REC→Original display

② Press [SET] within 3 seconds.

2 Follow these steps to set items (a) to (d).

(1) Press [TUNING (\lor or \land)] to select the condition required and

- 2 Press [SET].
 - (a) Start time
 - b Finish time
 - ⓒ Source TUNER \leftrightarrow CD \leftrightarrow TAPE

 - Insert a CD or tape if you select these sources.
 - If you select TUNER
 - Select a preset channel.
 - d Volume

The play timer is now on standby. The display shows each condition again then restores the original display.

3 Press $[\bigcirc/I]$ to turn the unit off.

OPLAY/OREC indicator remains illuminated to show the play (or record) timer is on.

The timer starts at the set time with the volume increasing gradually to the set level.

To cancel the timer

Press [[©]PLAY/[⊙]REC] so "[©]PLAY" goes out. Each time you press the button: [©]PLAY→[©]REC→[©]PLAY [©]REC→Light off (OFF)

The play timer will be canceled, but the settings stay in the

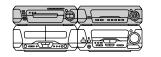
The play timer will be canceled, but the settings stay in the memory.

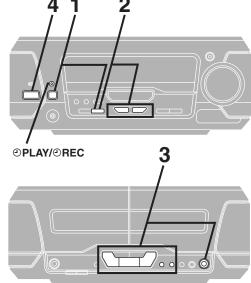
For your reference:

When you insert cassettes in decks 1 and 2, deck 1 has priority.

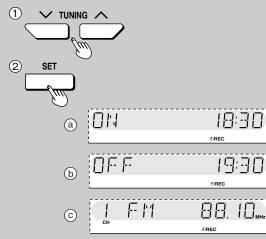
functions

convenient









ΠH

ധ/I



Using the timers

The record timer

This timer records the radio at the set time.

The example shows settings for recording preset channel 1 from 18:30 to 19:30.

Preparation: Turn the unit on, set the time (→ page 12), preset radio stations (→ page 18).

1 Press [CLOCK/TIMER] to select "@REC". Each time you press the button:

CLOCK→ @PLAY → @REC → Original display

② Press [SET] within 3 seconds.

Follow these steps to set items ⓐ, ⓑ and ⓒ.
 ① Press [TUNING (∨ or ∧)] to select the condition required and

2 Press [SET].

- a Start time
- **b** Finish time
- ⓒ Preset channel

The record timer is now on standby. The display shows each condition again then restores the original display.

Prepare for recording.

- Insert a tape into deck 2.
 Select the Dolby NR mode.
- Select the Dolby NR mod
 Select the reverse mode.
- ④ Select the tape direction.

4 Press $[\bigcirc/I]$ to turn the unit off.

OPLAY/OREC indicator remains illuminated to show the record (or play) timer is on.

Recording starts 30 seconds before the set time with the volume muted during the set time.

To cancel the timer

18:30

OREC

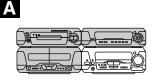
OREC

6001-376

3

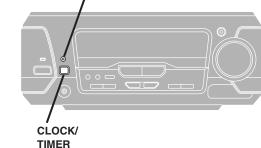
Press [\bigcirc PLAY/ \bigcirc REC] so " \bigcirc REC" goes out. Each time you press the button: \bigcirc PLAY \rightarrow \bigcirc REC \rightarrow \bigcirc PLAY \bigcirc REC \rightarrow Light off (OFF)

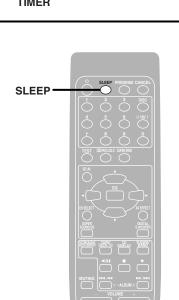
The record timer will be canceled, but the settings stay in the memory.



Β

∂PLAY/∂REC







Using the timers

A The play and record timers

Turning the timers on and off

The timers come on at the set times if the <code>@PLAY/</code>@REC indicator is on. They can be turned on and off by pressing [<code>@PLAY/</code>@REC].

Checking the timers

Press [CLOCK/TIMER] to select "OPLAY" (or "OREC").

The timer conditions are shown in the following order: Play timer:

Start time \rightarrow Finish time \rightarrow Source \rightarrow Volume

Record time:

Start time \rightarrow Finish time \rightarrow Selected radio station

The timers can be checked even if the unit is off.

Playing the unit after the timers are set

The unit can be used after the timers are set. Make sure the unit is off before the set start time.

Note

- If you turn the unit off and on again while a timer is functioning, the finish time setting will not be activated.
- •If the unit is on, the timer will not function. The system must be in the standby mode.
- •This system retains the ON/OFF time settings until you make a new setting. If you make a new ON time setting, you must make a new OFF time setting.
- •Do not turn DEMO on after setting a timer. The timers will not work while DEMO is on.

B The sleep timer

Remote control only This timer turns the unit off after a set time.

While playing a source

Press [SLEEP] to select the time (minutes). Each time you press the button: SLEEP 30 \rightarrow SLEEP 60 \rightarrow SLEEP 90

 1 SLEEP OFF ← SLEEP 120 ← 1

To cancel the sleep timer

Press [SLEEP] to select "SLEEP OFF". "SLEEP" goes out.

To confirm the remaining time

(While the timer is functioning) Press [SLEEP]. The remaining time is shown for about 5 seconds.

To change the setting

 $\ensuremath{\mathsf{Press}}$ [SLEEP] to display the remaining time, then press again to select the required time.

Using the timers together

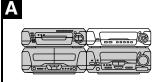
Any of the timers can be used together, but ensure the unit is off before the start time for the record and play timers.

Timer

Timer operations and convenient functions

2



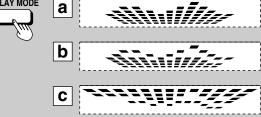


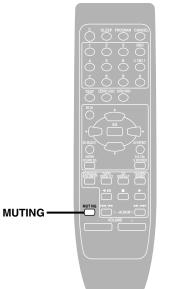
Β

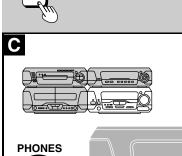
Timer operations and convenient functions

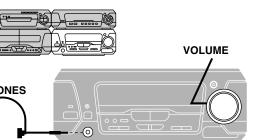
MUTING

DISPLAY MODE (On the sound processor) DISPLAY MODE









A Changing the sound range display

The sound processor shows the level of each sound range with the three types of display described below.

Press [DISPLAY MODE].

The spectrum display will change as follows.

- a Normal display This display indicates the strength of the sound in each tonal range.
- **b** Peak-hold display The peak sound value of each sound range is held on the display for about one second after it occurs.

c Aurora display

The peak sound value of each sound range is displayed in inverted form.

B Muting the volume

Remote control only

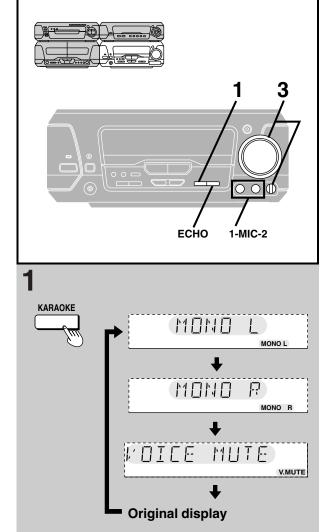
Press [MUTING]. Volume is reduced to minimum.

To cancel

Press [MUTING] again. "MUTING" goes out and the volume is restored. To cancel from the tuner/amplifier, turn [VOLUME] to minimum (-- dB), then raise it to the required level. Muting is also canceled when the unit is turned off.

C Using headphones (not included)

Reduce the volume before connection. Avoid listening for prolonged periods of time to prevent hearing damage. Plug type: 3.5 mm stereo



3 VOLUME DOW

ECHO

כ	EEHD	
<u>m</u>	·	

ECHO

Enjoying karaoke (For Australia and N.Z.)

You can do karaoke with CDs and tapes. Preparation: Lower the volume with [MIC VOL] and connect the microphone. Use a dynamic microphone. Plug type: 6.3 mm monaural

- 1 Press [KARAOKE] to select a voice mode. Each time you press the button: MONO L→MONO R→VOICE MUTE→off (Normal)
- •Karaoke CDs and tapes
 - MONO L: Only left channel sound (No vocal) MONO R: Only right channel sound (Vocal) Select no vocal for karaoke. Vocal and no vocal may be reversed.
- •Normal music CDs and tapes VOICE MUTE: Voice mute (Lowers vocal volume)
- 2 Start playing the CD or tape.
- 3 Adjust the main volume and microphone volume.

To cancel

Press [KARAOKE] to clear the display.

To record your performance

Start recording in deck 2 and then start singing. Ensure the voice mode is set to off (at step 2 above) when playing the recording.

Note

The karaoke modes cannot be used with the radio, SUPER 3D AI EQ, 6CH DISCRETE INPUT or surround effects.

When using the VOICE MUTE function

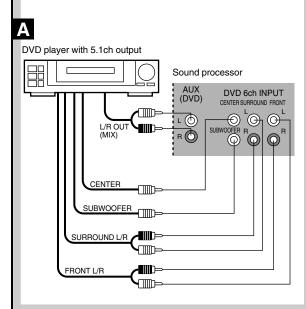
• Voice mute may not function sufficiently or noise may interfere when using the following software.

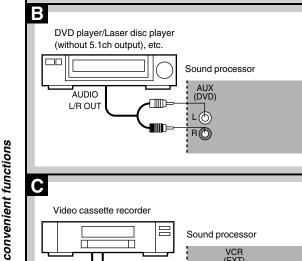
- Monaural software •Software with few musical instruments, including classic music and poetry recitations
- Software with duets or strong choruses
- •VOICE MUTE reduces the level of the vocals but does not cancel them out completely.

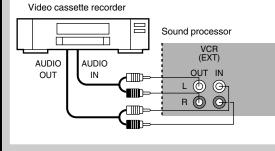
Using the echo effect

Press [ECHO]. Each time you press the button: ECHO 1→ECHO 2→ECHO 3→OFF た

functions

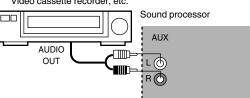






D

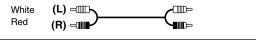
DVD player/Laser disc player/ Video cassette recorder, etc.



External unit connections

Turn off all units before making connections.
Refer to the manual of the other unit for details. (Cables and equipment not included.)

Stereo phono cable (not included)



Connections to SC-EH790

A DVD player with 5.1ch output

This unit has the input terminals for 5.1ch surround systems but it does not have the decoders necessary to play them back. The DVD player should have these decoders and 5.1ch output.

To record sound from the DVD player Connect to AUX (DVD).

Subwoofer

The included front speakers have superwoofers, but you can enhance surround sound from a unit connected to DVD 6ch INPUT by connecting another subwoofer to SUBWOOFER terminal.

B DVD player/Laser disc player (without 5.1ch output), etc.

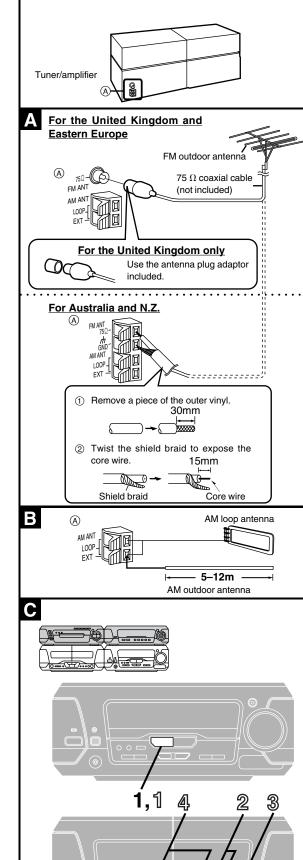
This unit has Dolby Pro Logic circuitry. The sound will be reproduced with the same powerful stereophonic effects found in movie theaters.

C Video cassette recorder

You can enjoy the sound from your video cassette recorder.

Connections to SC-EH590

- D DVD player/Laser disc player/Video cassette recorder, etc.
 - You can enjoy the sound from your DVD player/Laser disc player/ Video cassette recorder, etc.



Optional antenna connections

Use outdoor antennas if radio reception is poor.

FM outdoor antenna

Disconnect the FM indoor antenna.The antenna should be installed by a competent technician.

AM outdoor antenna

Run a piece of vinyl wire horizontally across a window or other convenient location.

Leave the loop antenna connected.

Note

1

Disconnect the antenna when the unit is not in use. Do not use the antenna during an electrical storm.

C Using other equipment

Listening to an external source Press [INPUT SELECTOR] to select the external source. Each time you press the button: EIT700 TUNER→CD→TAPE→VCR (EXT)→AUX (DVD) ↑ TUNER→CD→TAPE→AUX ↑ On the remote control Draw P(OP(ALW/OPULID)) (Z) (2) EU202)

Press [VCR/AUX/6CH INPUT] (SC-EH790) or [AUX] (SC-EH590).

2 Operate the unit. See the unit's manual for details on operation and connection.

EH790

To enjoy Dolby Digital and DTS → page 24

Recording an external source

- Press [INPUT SELECTOR] to select the external source.
- 2 Select Dolby NR and reverse mode. (-> page 28)
- ³ Press [● REC PAUSE].
- A Press [\lhd] or [\triangleright] to start recording.
 - Start the source to be recorded. See the unit's manual for details on operation and connection.

To stop recording Press [■] on the deck.

To temporarily stop recording Press [● REC PAUSE]. The deck goes into the recording standby mode. To resume recording press [⊲] or [▷] with the flashing indicator.

Recording onto an external unit

EH790

5

Connect the external unit to VCR (EXT) OUT. Select the source to be recorded with [INPUT SELECTOR]. Start recording on the external unit and start playing the source to be precorded.

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convenient functions

and

operations

Timer

Before requesting service, make the below checks. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, consult your dealer for instructions.

Reference pages are shown as black circled numbers ().

Common Problems

No sound.	Turn the volume up. Switch off the unit, determine and correct the cause, then switch the unit on. Causes include shorting of the positive and negative speaker wires, straining of the speakers through excessive volume or power, and using the unit in a hot environment.
Sounds unfixed, reversed or come from one speaker only.	Check the speaker connections.
Humming heard during play.	An AC mains lead or fluorescent light is near the cables. Keep other appliances and leads away from this unit's cables. If possible in your area, turn the AC mains lead's plug or connector over to reverse the lead's polarity.
"ERROR" is displayed.	Incorrect operation performed. Read the instructions and try again.
"U70" is displayed.	Connect the flat cables firmly. If "U70" remains on the display, contact the dealer.
"F60" is displayed.	There is a problem with the amplifier. Consult your dealer.
":" appears on the display.	You plugged the AC mains lead in for the first time or there was a power failure recently. Set the time. 0
The display starts up even after the unit is turned off.	The demonstration feature (–DEMO) is on. Turn it off if it is not required. @

The CD changer or CD player

The display is wrong or play won't start.	The disc may be upside down. Wipe the disc. Replace the disc if it is scratched, warped, or nonstandard. Condensation may have formed in the changer or player due to a sudden change in temperature. Wait about an hour for it to clear and try again.
EIT200 "TAKE OUT/DISC" appears on the display.	There is a problem with the CD mechanism. (A power failure may have occurred.) The tray will open automatically. Remove the CD from the tray, and after ensuring there is no CD in the tray, close it. The unit will make the disc changing noises for a few moments and then it should operate normally.

Listening to the radio

Noise is heard. The stereo indicator flickers or doesn't light. Sound is distorted.	Use an outdoor antenna. 🕢	
A beat sound is heard.	Turn the TV off or separate it from the unit.	
A low hum is heard during AM broadcasts.	Separate the antenna from other cables and leads.	
The correct AM frequency can't be tuned in.	Change the frequency step. Hold [TUNER/BAND] down for 10 seconds to change the step to 9 kHz.	

References

The cassette deck

Poor quality sound.	Clean the heads. Check the Dolby NR setting.
Recording is not possible.	If the erasure prevention tabs have been removed, cover the holes with adhesive tape. ${oldsymbol 0}$
"DECK NO TAPE" is displayed during "One touch editing".	Load a cassette into deck 2. 🕖
"DECK CHANGE TAPE" is displayed during "One touch editing".	If the erasure prevention tabs have been removed, cover the holes with adhesive tape. ${oldsymbol 0}$

When there is a television set nearby

	The picture on the TV	The location and orientation of the antenna are incorrect. If you are using an indoor antenna, change to an
- 1	disappears or stripes appear on	outdoor antenna.
	the screen.	The TV antenna wire is too close to the unit. Separate the antenna wire of the TV set from the system.

The remote control

the cloth carefully.

All components are required to service the system. If service is ever necessary, bring the entire system.

Maintenance

If the surfaces are dirty

For a cleaner crisper sound

Cassette tape selection and care

The unit can correctly play or record on the following types. It identifies the type automatically.

To clean this unit, wipe with a soft, dry cloth.	Normal position/TYPE I	v
	High position/TYPE II	v
 Never use alcohol, paint thinner or benzine to clean this unit. Before using chemically treated cloth, read the instructions that came with 	Metal position/TYPE IV	v
• Defore using chemically realed cloth, read the instructions that came with		

•Tapes exceeding 100 minutes are thin and can break or get caught in the mechanism.

•Tape slack can get caught up in the mechanism and should be taken up before the tape is played.

•Endless tapes can get caught up in the deck's moving parts if used incorrectly. Use tapes appropriate to this unit's auto-reverse mechanism.

Clean the heads regularly to assure good quality playback and recording. Use a cleaning tape (not included).

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Technical specifications

SOUND PROCESSOR	FM tuner section	FRONT SPEAKER
EQ/SFP section	Frequency range 87.50–108.0	
MANUAL GEQ	(0.05 MHz	
5-Band EQ	Sensitivity 1.8 µV (IHF u	
Center frequency 70/300/1 k/3.15 k/10 k l		1.5 μV Woofer 12 cm cone
Level control ±2.0, 4.0, 6.0 c	Antenna terminal(s) 75 Ω (unbal	
EQ/Space mode EH790		anced) EH590 6 cm cone Impedance High 6 Ω, Low
4 modes HEAVY, CLEAR, SOFT, HA	L ■ AM tuner section Frequency range 522–1629 kHz (9 kHz	
3 modes HEAVY, CLEAR, SOI		
SUPER 3D AI EQ EH790		μV/m EH590 84 dB/W (1.
3 modes AI EQ, SUPER 3D AI 1, SUPER 3D A		Crossover frequency EH790 120 Hz, 4
 Pre-amplifier section 	² ■ Timer section Clock Quartz-lo	EH500 150 Hz 4
Input sensitivity/impedance	Function Play timer (1 time,	
VCR (EXT) EH790 250 mV/15 k		46 HZ-36 KHZ (-10
AUX(DVD) EH790 250 mV/15		ervals) EH590 42 Hz-22 KHz (-16
AUX EH590 250 mV/15 k		46 Hz-20 KHz (-10
Output level EH790	1 minute-23 hours 59 minutes (1 min int	ervals) General
VCR REC OUT 150 mV/1.5 k	2 General	Dimensions (W×H×D) 240×412×259
DOLBY PRO LOGIC section EH790	Power supply	Mass 5
PRO LOGIC mode SURROUN) CENTER SPEAKER EH790
CENTER mode NORM		
DELAY TIME 20 ms (Fixe		
AV SURROUND section EH790	Power consumption EH790	190 W Woofer(×2) 8 cm cone
AV surround mode	EH590	
SUPER SURROUND (MUSIC, MOVI) Standby	0.5 W Impedance
DSP CONTROL section	Dimensions (W×H×D) 293×118.5×3	
DSP control mode SUPER SOUND E	Mass EH790	
EH790 CENTER FOCU	S EH590	5.0 kg Crossover frequency 4
EH790 VIRTUAL REAR SURROUN	D CD PLAYER	Frequency range 100 Hz-22 kHz (-16
EH790 MULTI REAR SURROUN	Discs played (8 cm or 12 cm)	115 Hz–20 kHz (–10
EH790 SEAT POSITIC	N CD (0	D-DA) General
Spectrum analyzer section	EH790 CD-R/RW (CD-DA, WMA, MP3 formatted	
Display mode NORMAL, PEAKHOLD, AUROF	EH590 CD-R/RW (CD-DA formatted	
■ General	Pickup	SURROUND SPEAKER EH790
Dimensions (W×H×D) EH790 293×89×270 m	Wavelength 7	'80 nm Type 1 way, 1 speaker, Cl
EH590 293×89×269 m		Speaker
Mass EH790 1.5		B8 mm Full range 8 cm cone
EH590 1.4	EH590 293×89×2	
	Mass EH790	
	EH590	1.6 kg Output sound pressure level 84 dB/W (1. Frequency range 130 Hz-20 kHz (-16
Amplifier section EH790	CASSETTE DECK	Frequency range 130 Hz-20 kHz (-16 150 Hz-18 kHz (-10 150 Hz-18 kHz (-10)
Power output (L/R both channel driven) Stereo Mode	Deck system Stereo casset	e deck General
DIN 1 kHz THD 1 %/6 Ω (High) 2×25	Track system 4 track, 2 c	
100 Hz THD 1 %/8 Ω (Low) 2×45	Recording system	lo blas Maga
RMS 1 kHz THD 10 %/6 Ω (High) 2×35	Bias frequency 1	JU KHZ
100 Hz THD 10 %/8 Ω (Low) 2×65	J Erasing system AC	erase Note
PRO LOGIC mode	Heads	 Specifications are subject to change wit
DIN	, (Playback head) Permallo	
FRONT 1 kHz THD 1 %/6 Ω (High) 2×25	Dook 2	Mass and dimensions are approximate.
100 Hz THD 1 %/8 Ω (Low) 2×45	(Becording/Bloybook bood) Bermelle	
SURROUND 1 kHz THD 1 %/8 Ω 2×30	(Eracing head) Double can farrit	
CENTER 1 kHz THD 1 %/8 Ω 60	Motors	algital spectrum analyzer.
	Dook 1 2 Constan drive	3. "Low" and "High" stand for low frequency
FRONT 1 kHz THD 10 %/6 Ω (High) 2×35 100 Hz THD 10 %/8 Ω (Low) 2×65	Tono oneed 4	8 cm/s high frequency.
SURROUND 1 kHz THD 10 %/8 Ω (Low) 2×65	Mow and fluttor 0.16 % (V	
CENTER 1 kHz THD 10 %8 Ω 2×40	Fast forward and rewind times	
PMPO 1 kHz/High 6 Ω , Low 8 Ω ,	Approx. 110 seconds with C-60 casset	te tape
CENT. 8 Ω , SURR. 8 Ω 3000	Frequency response (Dolby NR off)	(210)
Total harmonic distortion	TYPE I (NORMAL) 20 Hz-16 kH	
Rated power at 1 kHz 1 % (6		
Half power at 1 kHz 0.1 % (6	(IYPEIV (MEIAL) 20 Hz-16 KH:	
Load impedance	S/N (Signal level=max recording level, TYPE II typ NR off 56 dB (A we	
FRONT (High) 6	Dolby PNP on 66 dP (A we	
FRONT (Low) 8	Input consitivity and impedance	gineu)
SURROUND 8	2 PEC (IN) 150 mV	/23 kΩ
CENTER 8	Output voltage and impedance	
DIGITAL S. WOOFER	PLAV (OUT) 280 m/	/360 Ω
Center frequency 60 H LEVEL (VOL -20 dB) MID +3 dB/MAX +6 d		
, ,	Dimensions (W×H×D) 294×118.5×2	81 mm
Amplifier section EH590	Mass	2.1 kg
Power output (L/R both channel driven)		
DIN 1 kHz THD 1 %/6 Ω (High) 2×25		
100 Hz THD 1 %/8 Ω (Low) 2×65 PMS 1 kHz THD 10 %/6 Ω (High) 2×25		
RMS 1 kHz THD 10 %/6 Ω (High) 2×35 100 Hz THD 10 %/8 Ω (Low) 2×95		
100 Hz THD 10 %/8 Ω (Low) 2×85 Total harmonic distortion	v	
Rated power at 1 kHz 1 % (6))	
Half power at 1 kHz		
Half power at 1 kHz 0.1 % (6) Load impedance Main (High) 6	2	
Load impedance Main (High) 6		
Load impedance Main (High) 6 Main (Low) 8	2	

Matsushita Electric Industrial Co., Ltd. Web Site: http://www.panasonic.co.jp/global/

