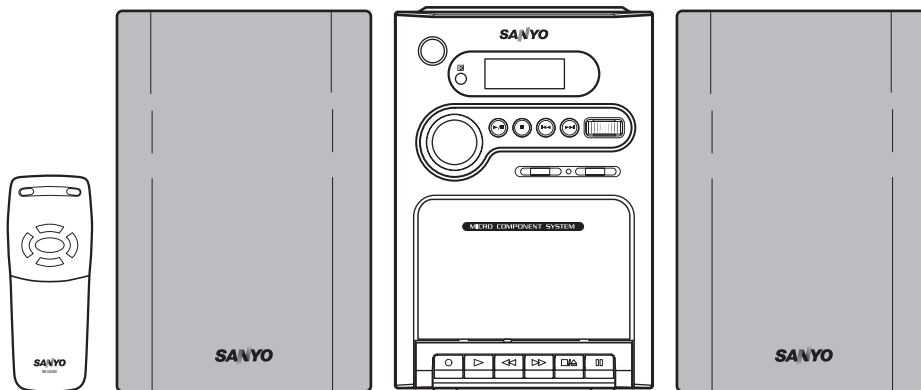




INSTRUCTION MANUAL

DC-DA900

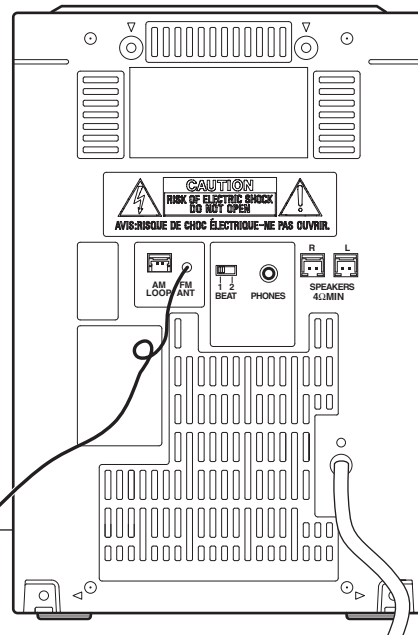
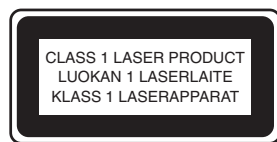
Micro Component System



PRECAUTIONS

CAUTION

THIS PRODUCT CONTAINS A LOW POWER LASER DEVICE. TO ENSURE CONTINUED SAFETY DO NOT REMOVE ANY COVERS OR ATTEMPT TO GAIN ACCESS TO THE INSIDE OF THE PRODUCT. REFER ALL SERVICING TO QUALIFIED PERSONNEL.



- The apparatus shall not be exposed to dripping or splashing.
- Do not use where there are extremes of temperature (below 5°C or exceeding 35°C), or where direct sunlight may strike it.
- Because of the CD player's extremely low noise and wide dynamic range, there might be a tendency to set the volume on the amplifier unnecessarily high. Doing so may produce an excessively large output from the amplifier which could damage your speakers.
- Sudden changes in the ambient temperature may cause condensation to form on the optical lens inside the unit. If this happens, take out the disc, leave the unit for about 1 hour, and then proceed to operate.
- The system's speakers use powerful magnets. Do not place timepieces, credit cards, cassette tapes or video tapes, etc. near the speakers.
- Do not install this equipment in a confined space, such as a bookcase or built in cabinet.
- No object filled with liquids, such as vase, shall be placed on the apparatus.
- Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



Your SANYO product is designed and manufactured with high quality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their end of life, should be disposed of separately from your household waste.

Please dispose of this equipment at your local community waste collection/recycling centre.

In the European Union there are separate collection systems for used electrical and electronic products.

Please help us to conserve the environment we live in!


IMPORTANT

If the plug supplied with this equipment is not suitable for the socket outlets in your home it should be cut off and replaced with the correct type.

Disposal of Plug

If the non rewirable plug is to be cut off, the removed plug should be disposed of carefully as there is a shock hazard should the plug be inserted into a live socket.

Replacing Fuse

The detachable fuse cover must be replaced after changing the fuse. Only a 3A fuse should be used and should comply with BS1362 and should carry the ASTA mark .

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

Blue	Neutral
Brown	Live

The wires in the mains lead must be connected to the terminals in the plug as follows:

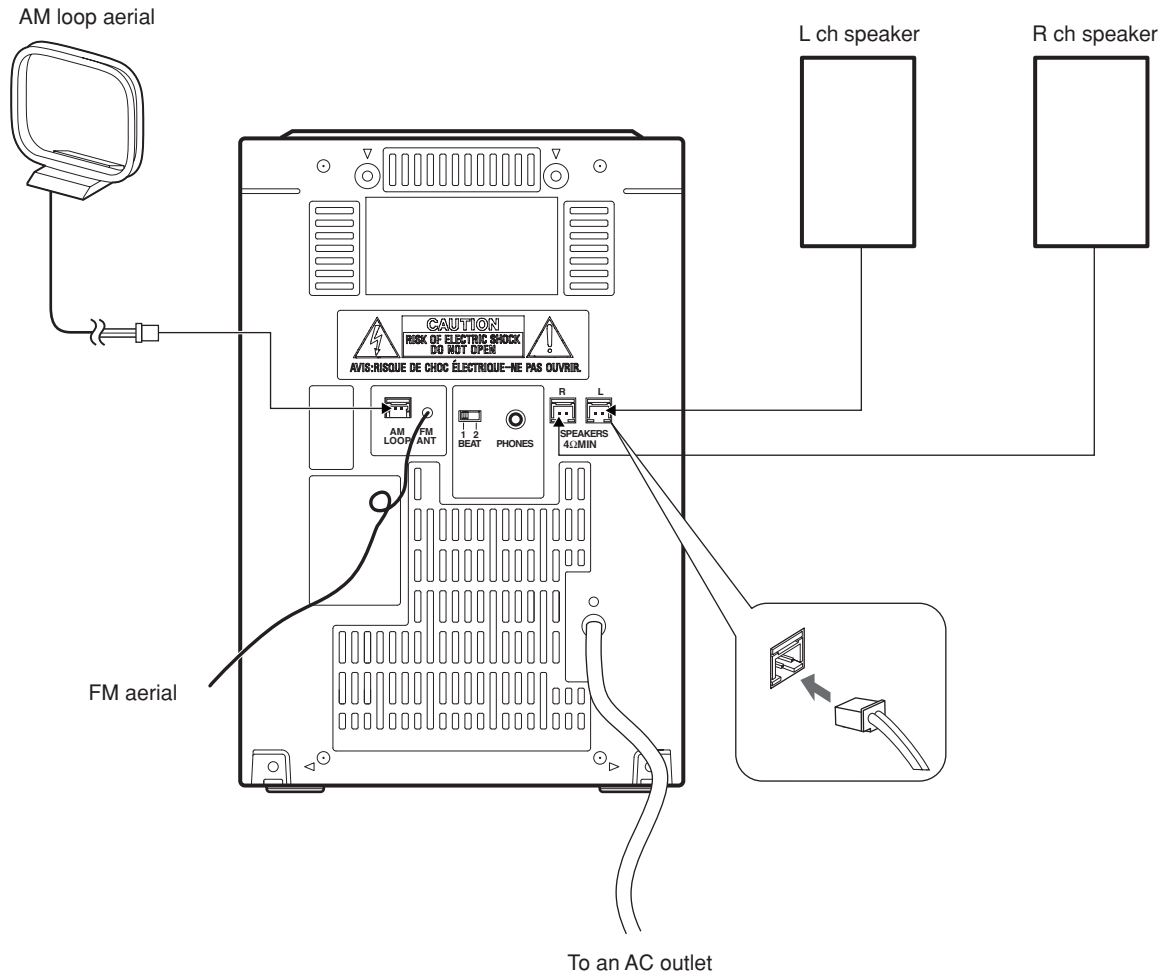
Wire colour	Plug terminal marking
Blue	N or Black or Blue
Brown	L or Red or Brown

Do not connect either wire to the earth terminal.

If the mains plug contains a fuse this should be 3A, if a plug without a fuse is used the distribution board fuse should not be greater than 5A.

The unit is not disconnected from the mains unless it is unplugged from the AC outlet.

CONNECTIONS



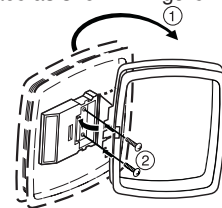
Note:

- Do not connect the mains lead to an AC outlet until all connections have been made.
- The system is not completely disconnected from the mains when the power button is set to the OFF position.

Unwind the aerial wire, then connect it to the AM LOOP terminal. Place the loop aerial in a position which yields the best AM reception, or attach it to a wall or other surface as shown in figure.

Speakers

Connect the connector of the left speaker lead to the "L" SPEAKERS socket and the connector of the right speaker lead to the "R" socket. If you have difficulty inserting the speaker lead connector, turn it over and reinsert it.



Screws (not supplied)

FM Aerial

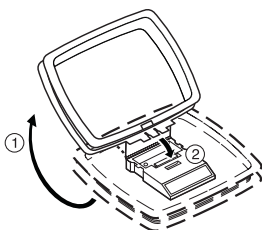
FM indoor aerial is sufficient to receive broadcasts. Unwind the aerial wire, then extend it as straight as possible and, while listening to the sound from the system, secure it in a position which yields minimal distortion and noise.

Note:

To minimize noise, the speaker, mains and any other leads should not come close to the indoor or external aerial lead and AM loop aerial. Do not place the aerial leads close to the system.

AM Loop Aerial

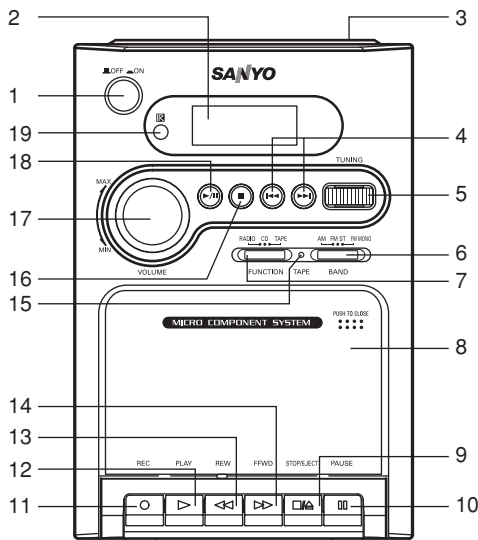
Assemble the loop aerial as shown in figure.



Headphones

Connect stereo headphones (not supplied) to the PHONES socket for monitoring or for private listening. The speakers are automatically disconnected when headphones are connected.

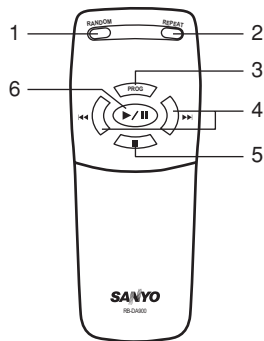
CONTROLS



1. Power button (■ OFF - ON)
2. Display
3. CD Compartment
4. Skip/Search buttons (I◀◀, ▶▶ I)
5. Tuning button (TUNING)
6. Band select button (BAND)
7. Function select button (FUNCTION)
8. Cassette holder
9. Stop/Eject button (STOP/EJECT)
10. Pause button (PAUSE)
11. Record button (REC)
12. Play button (PLAY)
13. Rewind button (REW)
14. Fast forward button (FFWD)
15. Tape function indicator (TAPE)
16. Stop button (■)
17. Volume control (VOLUME)
18. Play/Pause button (▶/||)
19. Remote sensor (IR)

REMOTE CONTROL

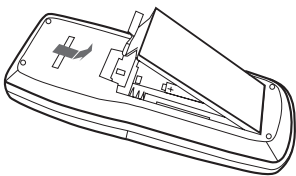
Controls



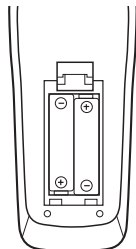
1. Random button (RANDOM)
2. Repeat button (REPEAT)
3. Programme button (PROG)
4. Skip/Search buttons (I◀◀, ▶▶ I)
5. Stop button (■)
6. Play/Pause button (▶/||)

Inserting batteries

1



2

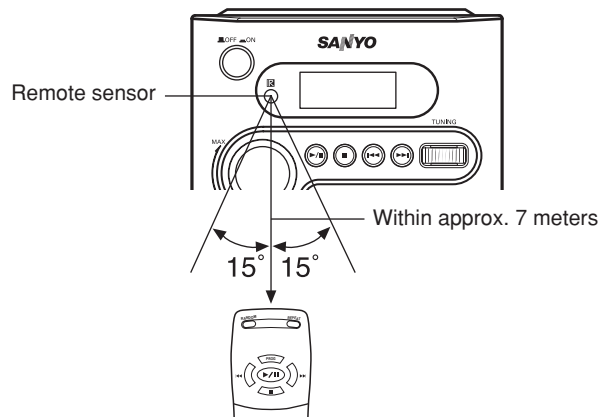


Two R03/AAA batteries
(not supplied)

Note:

Always remove batteries if the remote control is not to be used for a month or more. Batteries left in the unit may leak and cause damage.

Remote control range



The buttons on the remote control perform similar functions to similarly marked buttons on the front panel.

BEFORE OPERATION

Turning the power on and off

Press the power button to turn on the power.

- If the FUNCTION button is set to "RADIO" or "CD", the display lights.
- If the FUNCTION button is set to "TAPE", the tape function indicator lights.

Press the power button again, the power turns off.

The display or the tape function indicator goes out also.

Volume control

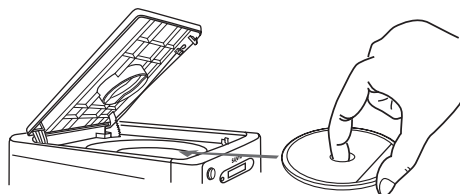
Turn the VOLUME control to select the desired volume level.

CD PLAY

Use compact discs bearing the symbol shown. In addition to conventional 12 cm CDs, this system can be used to play 8 cm CDs without an adapter.



1. Set the FUNCTION button to "CD".
2. Press the CD compartment lid (△ portion) to open it.
3. Place the disc with the label facing up on the disc tray. (Place only one disc at a time.)



4. Press the CD compartment lid (△ portion) to close it. "- -" blinks on the display for several seconds, then the total number of tracks appears.
5. Press the ►/|| button. Play starts from the first track. "►" remains on the display.



6. Press the stop button to end disc play. When the last track has been played, the player stops automatically.

Note:
Always press the ■ and wait for the disc to stop rotating before opening the disc compartment.

Notes on handling compact discs

- Do not expose the disc to direct sunlight, high humidity or high temperatures for extended periods of time.
- Discs should be returned to their cases after use.
- Do not apply paper or write anything on the disc surface.
- Handle the disc by its edge. Do not touch the playing surface (glossy side).
- Fingerprints and dust should be carefully wiped off the playing surface of the disc with a soft cloth. Wipe in a straight motion from the centre to the outside of the disc.
- Never use chemicals such as record cleaning sprays, antistatic sprays or fluids, benzene or thinner to clean compact discs.

To start play from the desired track

Select the track by using the ►►| or |◄◄ button in the stop mode, then press the ►/|| button.

Temporarily stopping play

Press the ►/|| button. "►" blinks on the display. To resume play, press the button again.

Skip play

To skip to track 6 while track 3 is playing, press the ►►| button repeatedly until "6" appears on the display. To skip back to track 3 while track 6 is playing, press the |◄◄ button repeatedly until "3" appears.

Search (forward/reverse)

If the ►►| or |◄◄ button is pressed during play, the player will search at high speed in the forward or reverse direction while the button is being pressed. When the button is released, normal play will continue.

Repeat play (Remote control only)

Press the REPEAT button on the remote control. Press the button once, "REPEAT" blinks, repeat single track. Press the button twice, "REPEAT" remains, repeat all the tracks or all programmed tracks. Press the button once again to cancel repeat play. "REPEAT" disappears.

Random play (Remote control only)

Press the RANDOM button, "RANDOM" appears on the display. The player will automatically play disc optionally.



Press the button again to cancel random play, "RANDOM" disappears.

Programmed play

- Up to 30 tracks on a disc can be programmed for play in any order.
- First, select "CD" function and load a disc that you want to programme.
- The tracks must be programmed in the stop mode.
- The same track can be programmed more than once.

Example:

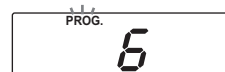
Programme as below:

Play order (Programmed order)	Track No.
01	6
02	2

1. Press the PROG button on the remote control in the stop mode. Play order "01" blinks on the display.



2. Press the ►►| button repeatedly until the track number "6" appears.



3. Press the PROG button on the remote control. Play order "02" appears.



4. Press the |◄◄ button repeatedly until the track number "2" appears.



5. Press the PROG button on the remote control.



- Repeat steps above to programme additional tracks.
- 6. Press the ►/|| button to start programmed play.



- When all programmed tracks have been played, the player stops automatically.
- To cancel programmed play, press the stop button in the stop mode.
- The programmes will be released when changing to other functions, or after the disc compartment is opened, or after the power turned off.

Checking the programme

Press the PROG button repeatedly in the stop mode, the programmed details sequentially appear on the display.

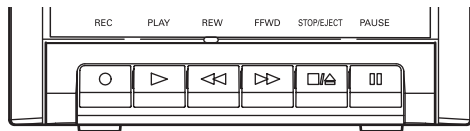
Changing a programme

1. In the stop mode, press the PROG button until the play order number of the track to be replaced is displayed.
2. Press the ►►| or |◄◄ button to select a track as described above.
3. Press the PROG button.

Note:

- Programmed details cannot be partially deleted or inserted.

LISTENING TO TAPE



1. Set the FUNCTION button to "TAPE". The tape function indicator lights up.
2. Press the STOP/EJECT button to open the cassette holder.
3. Load the cassette.
After loading the cassette, push the cassette holder (PUSH TO CLOSE portion) back into position.
4. Press the PLAY button to begin play.
5. Press the STOP/EJECT button to stop play at any time. Press it again to remove the cassette.
When the end of the tape has been reached, automatic stop will be activated.

Note:

- Use the normal tape (TYPE 1).
- Endless tapes cannot be used.
- Do not use C-100 (or longer) tapes. They may jam in the mechanism.

Pause

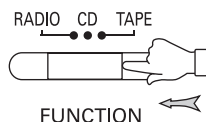
Press the PAUSE button to temporarily stop play or recording. Press it again to resume operation.

Fast forward and rewind

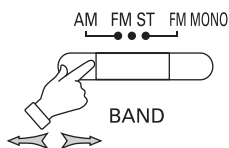
Press the FFWD or REW button. When the desired location has been reached, press the STOP/EJECT button.

LISTENING TO THE RADIO

1. Set the FUNCTION button to "RADIO". The radio frequency appears on the display.



2. Set the BAND select button to the desired band.



AM—Amplitude modulation
FM ST—Stereo frequency modulation
FM MONO—Monaural frequency modulation

3. Turn the TUNING button left or right to select the desired radio station. The frequency will appear on the display.

RECORDING

Recording copyright material without permission of the copyright owners is usually an infringement. If you wish to re-record copyright material, permission from the copyright owner is necessary. SANYO does not approve of, and cannot be held responsible for, any unlawful use of this unit.

Recording compact discs (Synchronous recording)

1. Load a blank cassette.
2. Select "CD" function.
3. Load the disc to be recorded.
 - Press ◀◀ or ▶▶ to select the track number if required.
 - For programmed recording, programme the material in advance (as described under "Programmed play").
4. Press the REC button. The PLAY button is engaged simultaneously and CD recording starts.
5. Press the PAUSE button to temporarily stop recording while the CD player is still operating.
6. Press the STOP/EJECT button to stop recording. The CD player enters pause mode. "▶" blinks on the display.

Recording from the tuner

1. Load a blank cassette.
2. Tune in the radio station to be recorded.
3. Press the REC button to start recording.
4. Press the STOP/EJECT button to stop recording.

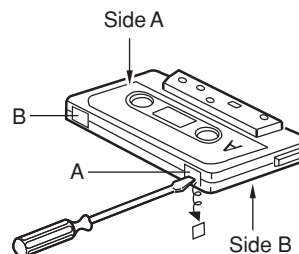
When beat is heard (Main unit only)

Beat (a high-pitched noise) may sometimes be heard during the recording of radio broadcasts. If this occurs, set the BEAT switch (rear of the unit) to location "1" or "2" to select the setting that gives the best result.

Safeguards against accidental erasure

Accidental erasure can be prevented by breaking out the tabs on the end of the cassette tape (where the tape is not exposed) using a screwdriver or similar implement.

If a tab is broken out in error and you wish to re-record the tape, simply block the tab hole using adhesive tape and the tape can be used for re-recording again.



Break out tab **A** for side A.
Break out tab **B** for side B.

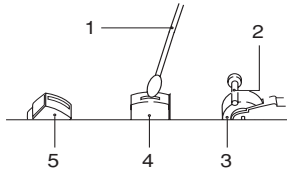
MAINTENANCE

WARNING

For your personal safety, be sure to disconnect the mains lead before proceeding with any maintenance or cleaning.

Cleaning the tape heads

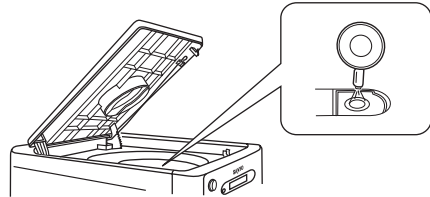
To ensure continued high performance, use cotton swab to clean the heads, pinch rollers and capstans of the decks after about every 10 hours of use. If the dirt persists, soak the swab in a little methylated spirit or head cleaning fluid and then clean.



1. Cotton swab
2. Capstan
3. Pinch roller
4. Play/Record head
5. Erase head

Cleaning the CD player lens

The lens should never be touched. If dust is on the lens, blow it off using a camera lens blower. (Consult your dealer.)



Cleaning the unit

Clean the outside of the unit with a clean soft cloth, moistened with luke-warm water. Do not use benzene, thinner or alcohol since they will mar the finish of the surfaces.

SPECIFICATIONS

Tuner

Reception frequency:
FM: 87.5 ~ 108.0 MHz
AM: 526.5 ~ 1606.5 kHz

CD player

Channels:
2-channel stereo
Sampling frequency:
44.1 kHz
Pick-up:
Optical 3-beam semiconductor laser
Laser output:
0.6 mW (Continuous wave max.)
Wave length:
790 nm
Wow/Flutter:
Below measurable limits

Cassette deck

Track system:
4-track, 2-channel stereo
Frequency response:
60 Hz ~ 13.5 kHz
Signal-to-noise ratio:
40 dB
Wow/Flutter:
≤ 0.35% (WRMS)
Fast forward/rewind time:
Approx. 110 sec. (C-60)

General

Output power:
4 W x 2 (at 4 ohms, 10% distortion)
Outputs
SPEAKERS: 4 ohms
PHONES: 8 ~ 32 ohms
Power requirements:
AC 230 V, 50 Hz
Power consumption:
20 W
Dimensions:
140(W) x 211(H) x 215(D) mm
Weight:
1.9 kg

Speaker system

Type:
Full range bass reflex
Unit used:
10 cm cone type
Maximum power-handling capacity:
6 W (peak)
Nominal impedance:
4 ohm
Dimensions:
140(W) x 210(H) x 152(D) mm
Weight:
1.2 kg (per speaker)

Specifications subject to change without notice.

GUARANTEE TO CUSTOMER

Sanyo Europe Ltd. (the Company) guarantees to the initial retail purchaser that if this equipment is or becomes defective and that, in the opinion of the Company, the defect is due to faulty material or workmanship the Company will, for a period of 12 calendar months from the date of sale to the original purchaser repair or replace, at its sole option, free of charge, any such defective component part of the equipment, always provided that: -

1. The equipment has at all times been used in accordance with the operating instructions issued by the Company, and has not been connected to an electrical mains supply for which it has not been adjusted.
2. Accidental damage, or damage caused by negligence or misuse by the user, including leakage from exhausted batteries, is specifically excluded.
3. Unauthorised repairs, or any modification to the equipment which has not been expressly approved by the Company, shall render this guarantee null and void.
4. Failure due to fair wear and tear of any item, such as batteries, record playing styli, and tape recording, playback and erase heads is specifically excluded.

This guarantee is not transferable and is only applicable within the United Kingdom (and the Republic of Ireland). Nothing in this express guarantee affects the statutory rights available to the purchaser of this equipment.

Note: This guarantee supersedes any other form of guarantee that may inadvertently have been enclosed with or attached to the product. (August 1978).

Dear Customer

Thank you for buying Sanyo. This equipment should give you many years of pleasure and faithful service but in the event that a fault occurs, the following notes for your guidance may be helpful:-

1. PLEASE RETAIN YOUR PURCHASE RECEIPT WHICH WILL BE REQUIRED FOR SERVICE DURING GUARANTEE.
2. If your Sanyo equipment proves faulty during the period of guarantee, take it or send it back to the dealer who originally supplied it together with this guarantee and the proof of purchase. We have made arrangements with our approved dealers under which they will carry out in-guarantee service repairs on our behalf. In this way, we hope to reduce to a minimum the amount of time you will be without your equipment.
3. If for some reason it is impossible to return the equipment to the original supplies, please contact our Consumer Relations Department at the address below for further advice.
4. Should the equipment require servicing after the expiry of the guarantee period, take or send it to the original supplier or any other Sanyo dealer. He will be pleased to give you a quotation for the repair. If you are in any doubt about what to do, write to us at the address below or telephone:

**Consumer Relations Department,
Sanyo Europe Ltd.,
18 Colonial Way, Watford
WD24 4PT
Tel: Watford 246363**

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