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This instruction manual is important to you. Please read it carefully. This manual tells exactly how to connect, operate and adjust this unit for best performance.

It shows simple things to do and check before you call for help and saves the cost of unnecessary service and call out charges.

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Pack contents:

- 1 x main unit
- 1 x remote control
- 1 x MW Loop antenna
- 2 x speakers
- 1 x instruction manual

Please retain all packing material for future transportation of the unit or the unlikely event that the unit needs to be returned for service.

IMPORTANT NOTES

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

ESTABLISH A SAFE SOUND LEVEL

Over time your hearing will adapt to continuous loud sounds and will give the impression that the volume has in fact been reduced. What seems normal to you may in fact be harmful. To guard against this **BEFORE YOUR HEARING ADAPTS** set the volume at a low level.

Slowly increase the level until you can hear comfortably and clearly and without distortion.

Damage to your hearing is accumulative and is irreversible.

Any ringing or discomfort in the ears indicates that the volume is too loud.

Remember listening for prolonged period of time at high volume levels will harm your hearing.

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

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

DECIBEL

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

THE FOLLOWING NOISE CAN BE HARMFUL UNDER CONSTANT EXPOSURE

80dB	Average city traffic, alarm clock buzzer at 2 feet, food mixer.
90dB	Motorcycle, heavy goods vehicle, petrol lawn mower.
100	Pneumatic drill, chain saw, garbage truck, discotheque / night-club.
120	Rock band concert, thunderclap, fast train passing by.

PERMANENT LOSS OF HEARING

140	THRESHOLD OF PAIN Gunshot 2 feet away, jet plane taking off.
180	Rocket Launching pad.

CONNECTING TO MAINS SUPPLY

This appliance may be fitted with a non-rewireable plug. If it is necessary to change the fuse in a non-rewireable plug the fuse cover must be refitted. If the fuse cover is lost or damaged, the plug must not be used until a replacement available from the appliance manufacturer is obtained. It is important that the colour of the replacement fuse cover corresponds with the colour marking on the base of the plug.

If the plug has to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below. The plug removed must be disposed of safely as insertion into a 13A socket is likely to cause an electrical hazard.

For your own safety read the following instructions carefully before attempting to connect this unit to the mains.

MAINS (AC) OPERATION

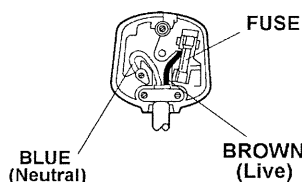
This unit is designed to operate on 230 V, 50 Hz current only. Connecting it to other power sources may damage the unit

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

BLUE = NEUTRAL BROWN = LIVE

IMPORTANT

As the colours of the wires in the mains lead of this appliance 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.

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

No connection is to be made to the earth terminal of the plug.

If a 13 Amp (BS 1363) Plug is used, a 3 Amp Fuse must be fitted, or if any other type of Plug is used a 3 Amp Fuse must be fitted, either in the Plug, or on the Distribution Board.

CAUTION

To prevent electric shock disconnect from the mains before removing cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

SAFETY PRECAUTION



Do not allow this unit to be exposed to rain or moisture.

Mains Supply: 230 Volts 50 Hz - AC only.

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

CAUTION

CLASS 1 LASER PRODUCT

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



personnel should attempt repair.

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

CAUTION: HAZARDOUS LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED.

CAUTION

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

MAINTENANCE AND CARE

Electronic products of this kind should never be subjected to extreme temperatures or high humidity. For instance, this set should not be placed in bathing areas or around stoves and radiators.

If necessary, clean the unit with a piece of cloth dampened with water only (Be sure the AC Power Cord is disconnected from the Mains). Never use a polish or a strong detergent as this will damage the finish of the cabinet.

This equipment has been designed and manufactured to meet the highest international standards, but, like any electrical apparatus which is operated at mains voltage, care must be taken if you are to obtain the best results and safety is to be assured. This is particularly important with audio equipment.

- DO. . . Read the operating instructions before you attempt to use the equipment.
- DO. . . Ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Check that the mains fuse rating is correct.
- DO. . . Always consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment. He is the best person to advise you.
- DON'T. . . Obstruct the necessary all-round ventilation - especially DON'T stand the set close to curtains or on soft furnishing such as carpets. Overheating can cause unnecessary damage and shorten the life of the set.

Remember that to obtain the best performance and lasting satisfaction from your equipment, have it regularly maintained by a reliable service organization. Ensure that it is correctly used by all the family.

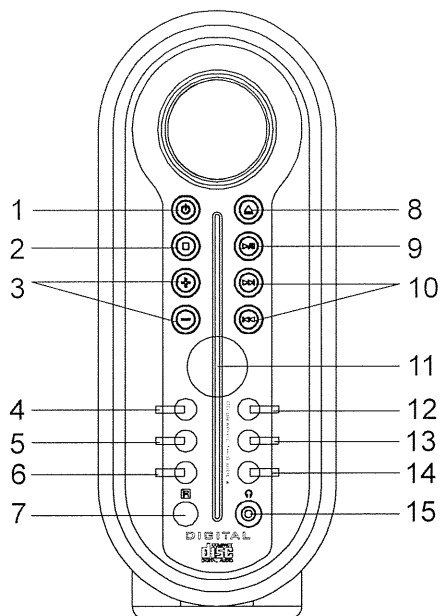
ABOVE ALL. . .

Never let children push anything into holes or slots in the case - this could result in an electric shock;

Never guess or take chances with electrical equipment of any kind - it is better to be safe than sorry!

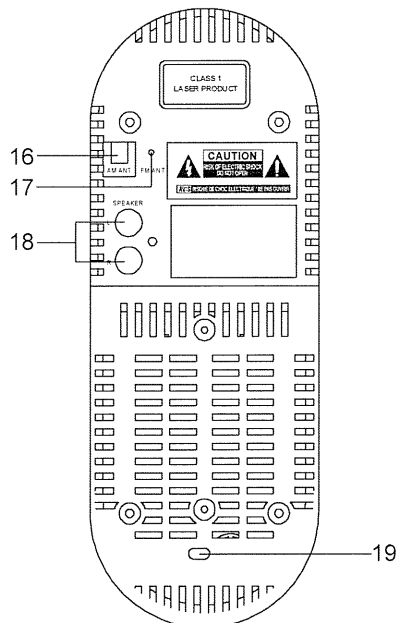
LOCATION OF CONTROLS

1. POWER button
2. STOP button
3. VOLUME +/- button
4. CDFUNCTION button
5. TUNER/BAND button
6. P.EQ button
7. Remote Control Sensor
8. EJECT button
9. PLAY / PAUSE button
10. REVERSE SKIP/SEARCH TUNE DOWN button
FORWARD SKIP/SEARCH TUNE UP button
11. CD Slot
12. MENU button
13. MEMORY / CLOCK button
14. MEM.UP/REPEAT button
15. PHONES



BACKBOARD

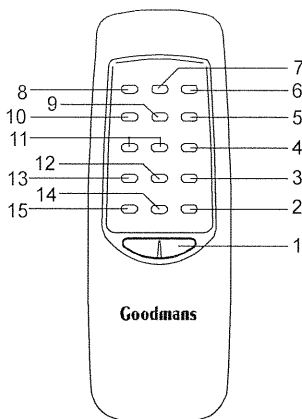
16. MW Aerial Socket
17. FM Aerial
18. Speaker Sockets
19. AC Mains Cable



REMOTE CONTROL AND BATTERY

REMOTE CONTROL

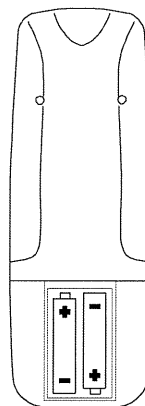
1. VOLUME +/- button
2. POWER button
3. STOP button
4. PLAY / PAUSE button
5. CD button
6. SLEEP button
7. TIMER button
8. RANDOM button
9. ST/MO button
10. TUNER button
11. REVERSE SKIP/SEARCH TUNE DOWN button
FORWARD SKIP/SEARCH TUNE UP button
12. MEMORY / PROGRAM button
13. REPEAT / MEMORY-UP button
14. BAND button
15. MUTE button



INSTALLATION BATTERY

Insert 2 AAA size (Alkaline) batteries (not included) into the battery compartment of the remote control.

Observe the polarity markings, which are engraved inside the battery compartment, then close the cover.



BATTERY REPLACEMENT

As the batteries become exhausted, the operating distance of the remote control is greatly reduced and the batteries will need replacing.

Note:

To maintain the accuracy and long life of the transmitter, do not press two or more buttons simultaneously.

If the remote control is not used for a long time, remove the batteries to prevent possible damage through leaking batteries.

Do not mix different types of batteries, or old batteries with new ones.

USING THE REMOTE CONTROLLER CORRECTLY

Point the remote control at the Remote Sensor.

The functions of the buttons on the remote control are the same as the corresponding controls on the main unit.

When there is a strong ambient light source, the performance of the infrared Remote Sensor may be degraded, causing unreliable operation.

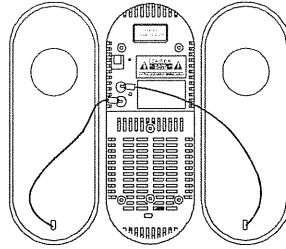
The maximum effective distance for remote control operation is about 15feet.

CONNECTING TO THE MAINS SUPPLY

This unit is designed to operate on 230V-50HZ only. Connecting it to other power sources may damage the unit.

SPEAKER CONNECTIONS

Connect the left speaker to the socket marked L and connect the right speaker to the socket marked R.



RADIO OPERATION

OPERATION

Press the POWER button to turn the unit on.

Press the Tuner button to select the radio. Then press the TUNER/BAND button to select the waveband (MW or FM).

MANUAL TUNING

Briefly press REVERSE SKIP/SEARCH/TUNE DOWN or FORWARD SKIP/SEARCH/TUNE UP buttons repeatedly to manually search for a station.

AUTOMATIC TUNING

Press and hold the REVERSE SKIP/SEARCH/TUNE DOWN or FORWARD SKIP/SEARCH/TUNE UP buttons for approximately half a second to automatically search for the next receivable station.

STORING STATIONS

Tune to the required station following one of the methods above.

Press the MEMORY/CLOCK button. MEMORY will flash on the display.

Select the memory preset you wish to store the station in using the REVERSE SKIP/SEARCH/TUNE DOWN or FORWARD SKIP/SEARCH/TUNE UP buttons.

Press the MEMORY/CLOCK button to store the station into the selected preset.

SELECTING A PRESET STATION

Select the desired preset number by pressing the MEMORY UP/REPEAT button.

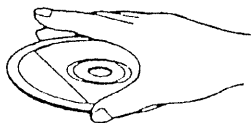
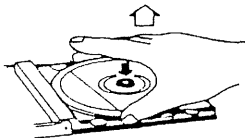
AERIAL

Unravel the FM Pigtail aerial. Extend and move it around to obtain the best reception.

For MW reception connect the MW loop aerial to the MW aerial socket and rotate the loop aerial to obtain the best reception.

HANDLING COMPACT DISCS

To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges. Fingerprints and dust should be carefully wiped off the discs with a soft cloth. Unlike conventional records, compact discs have no grooves to collect dust and microscopic debris so gently wiping with a soft cloth should remove most particles.



Wipe in a straight line from the centre to the edge of the disc. Small dust particles and light stains are likely to have no effect on reproduction quality.

Never use chemicals such as record sprays antistatic sprays, benzene, or thinners to clean compact discs. These chemicals can irreparably damage the discs surface. Discs should be returned to their cases after use. This avoids serious scratches that could cause the Laser pickup to skip. Do not expose discs to direct sunlight, high humidity or high temperatures for extended periods. Long exposure to high temperatures can warp the disc. Do not stick paper or write anything with a ballpoint pen on the label side of the disc.

LOADING AND UNLOADING COMPACT DISCS

Press the Power button to turn the unit on.

Select the CD function by pressing the CD button.

Insert the disc into the centre CD slot by gently pushing the CD until halfway in. After this the unit will take the CD automatically. PLEASE NOTE: The CDs graphics should be facing the right.

To eject the disk press the EJECT button.

If the CD is not removed within 10 seconds of ejecting, the unit will reload the disc to prevent damage to the disc.

CAUTION

Do not put anything except a compact disc into the compartment. Foreign objects may damage the mechanism.

Never place more than one disc into the disc compartment at any time. If the disc is correctly loaded, the total number of tracks on the disc will be displayed.

NOTE: If the total number of tracks is not shown on the display after the disc has been inserted. Please eject and try reinserting the disc the other way around as the disc is most likely inserted incorrectly (i.e. with the graphics facing the wrong side)

DISC PLAYBACK

Insert a CD as described in the previous section. The display will show total number of tracks and the total playtime.

Press the PLAY/PAUSE button. Playback will begin from the start of the first track of the disc.

NOTE: If the disc is deeply scratched, or too dirty, the disc may not play.

DICS ERRORS:

This compact disc player has built-in error compensation circuits to correct for minor defects in a disc. There are limits, however, to the amount of correction available.

In some cases, the CD player may skip some tracks, or parts of tracks, on a disc during playback. This problem may be caused by defects (such as scratches) in the disc being played which are too large for the error compensation circuits to handle. If you encounter this problem, play a new disc. If the CD player operates normally, the skipping problem is probably due to a defective disc.

TO STOP A CD PART WAY THROUGH

To pause playback, press the PLAY/PAUSE button. The CD will pause at the current play position. The elapsed track time will flash in the display.

To resume playback, press the PLAY/PAUSE button again.

TRACK SKIP

TO SKIP TO THE NEXT TRACK

For example, to skip ahead to the beginning of track 5 while track 4 is playing. Press the FORWARD SKIP/SEARCH/TUNE UP button once. The beginning of track 5 will then be played. The player will skip ahead to the next track each time FORWARD SKIP/SEARCH/TUNE UP button is pressed. Repeatedly pressing the FORWARD SKIP/SEARCH/TUNE UP button makes will skip forward through the disc track by track. Once the beginning of the last track is reached the CD player advances to the first track.

TO SKIP BACK TO PREVIOUS TRACK

For example to skip back to the beginning of track 3 while track 4 is playing. Press the REVERSE SKIP/SEARCH/TUNE DOWN button twice. The beginning of track 3 will be played. If the REVERSE SKIP/SEARCH/TUNE DOWN button is pressed in the middle of a track, the CD player will skip back to the beginning of that track. To skip back to the previous track press the REVERSE SKIP/SEARCH/TUNE button twice.

To skip backwards through the disc, track by track repeatedly press the REVERSE SKIP/SEARCH/TUNE DOWN button.

NOTE:

The Tuning/Search Forward button can be used to select a desired track before disc playback starts. In this case playback will begin with the selected track after pressing the PLAY/PAUSE button.

TRACK SEARCH

Press and hold the REVERSE SKIP/SEARCH/TUNE DOWN or FORWARD SKIP/SEARCH/TUNE UP buttons to search quickly for a specific section of a track. When the desired section is reached release the button to resume normal playback

REPEAT PLAY

Important: The repeat functions can only be selected once CD playback has started.

REPEAT ALL TRACKS

Press the PLAY/PAUSE button to start CD playback.

Press the MEMORY UP/REPEAT button twice until the REPEAT indicator shows in the display.

All tracks on the current playing CD will be played continuously until the STOP button is pressed.

To cancel REPEAT ALL playback press the MEMORY UP/REPEAT button until the REPEAT indicator disappears from the display. After the last track of the disc has been played, the unit will revert to CD STOP mode.

REPEAT ONE TRACK

Press the PLAY/PAUSE button to start CD playback.

Press the MEMORY UP/REPEAT button once until the REPEAT indicator flashes in the display.

The current playing track will be played continuously until the STOP button is pressed.

To select an alternative track for repeated playback, use the SKIP UP/DOWN buttons.

To cancel REPEAT ONE playback press the MEMORY UP/REPEAT button until the REPEAT indicator disappears from the display. Normal playback will then resume.

PROGRAMME PLAYBACK

It is possible to program the tracks you wish to play in the order you wish. A programme can only be stored when the CD is stopped.

1. Press the MEMORY/CLOCK Button. The MEMORY indicator will flash in the display.
2. Press the REVERSE SKIP/SEARCH/TUNE DOWN or FORWARD SKIP/SEARCH/TUNE UP buttons until the track to be programmed is shown on the display.
3. Press the MEMORY/CLOCK Button to store the selected track into memory.
4. Repeat steps 2 and 3 to program other tracks. The maximum number of tracks that can be programmed is 20.
5. Press the PLAY/PAUSE button to commence playback.

NOTES:

If the PLAY/PAUSE Button is pressed before the Memory Programme Button is pressed to store a track, that track will not be programmed, and the disc will start playing from the first programmed track.

TO CLEAR THE PROGRAMME MEMORY

When the CD is stopped press the STOP button and the MEMORY indicator will disappear from the display.

The Programme memory will also be cleared if the CD is ejected, a different source is selected or if the power is switched off.

MENU

1. Press the MENU button once to change volume level, "VL" will show on the display, adjust the volume level by pressing "Volume +" or "Volume -" buttons.
2. Press the MENU button twice to change the amount of bass, "bS" will show on the display, adjust the bass level by pressing "Volume +" or "Volume -" buttons.
Press the MENU button for a third time to change the amount of treble, "tE" will show on the display, adjust the treble level by pressing "Volume +" or "Volume -".

CLOCK SETTING

1. Switch the unit to standby mode by pressing the Power button.
2. Press the MEMORY button for 4 seconds, the hour digit will flash in the display.
3. Using the REVERSE SKIP/SEARCH/TUNE DOWN or FORWARD SKIP/SEARCH/TUNE UP buttons set the current hour (Note: clock uses 24 Hour format).
4. Press the Memory button again the Hour is now set and the Minute digits start to flash in the display.
5. Using the REVERSE SKIP/SEARCH/TUNE DOWN or FORWARD SKIP/SEARCH/TUNE UP buttons set the current minute.
6. Press the Memory button again the clock is now set.

NOTE: clock time is only retained whilst the unit is plugged into the mains supply, in the event of a power failure the clock will need to be set when the power supply resumes.

MUTE

Press the MUTE button on the remote control to mute the sound. The MUTE indicator will show in the display.

Press MUTE again to restore the sound to the previous level. The MUTE indicator will disappear from the display.

SOUND CONTROLS

HEADPHONES

Headphones should have a 3.5 mm diameter stereo plug and impedance of 8-32 ohms. When headphones are connected, the speakers are automatically disconnected.

PRESET EQUALIZER (EQ)

This system has a 3-Band Preset Electronic Equalizer that allows you to add special effects to the audio output.

The settings are "CLASSIC", "ROCK", "POP" or flat (no eq). To change the EQ setting press the EQ button on the top panel until the desired setting appears in the main display.

TECHNICAL SPECIFICATIONS

Power supply

AC 230V ~ 50HZ

Radio frequency coverage

FM 87.5 - 108 MHz

MW 530 - 1710 kHz

CD player

Pick up 3-beam, Semi-conductor Laser

General

Speaker 4 Ohms

Headphones 3.5mm stereo jack plug

Dimension & Weight

Unit dimension 292 x 100 x 245 mm (L x W x H)

Speaker dimension 210 x 100 x 245 mm (L x W x H)

Total unit weight 6.38 kgs

As we continually try to improve our products the specification are subject to change without notice.