

User guide

MAGNAVOX
SMART. VERY SMART.

MCR220BK CD CLOCK RADIO



Read this manual first!

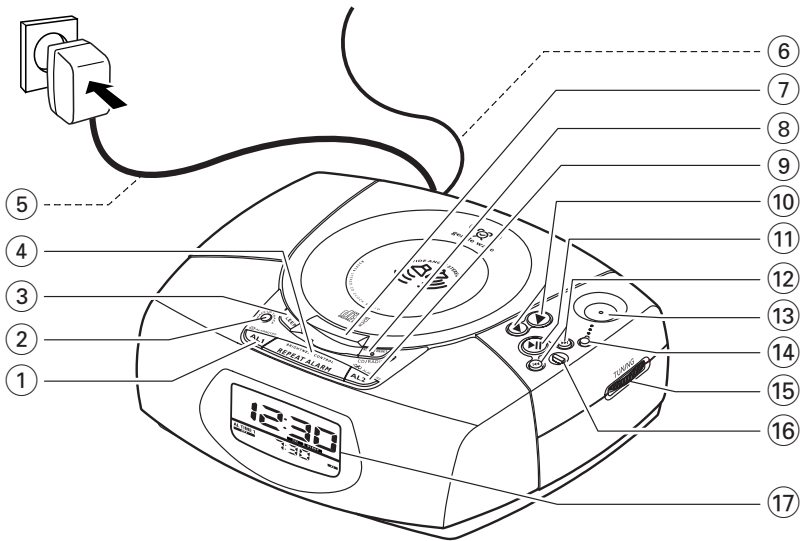
If you have any problems, do not attempt to return this product to the store.

For fast help, call us first!

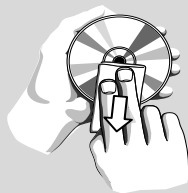
1-800-705-2000



1



2



Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

- Once your Magnavox purchase is registered, you're eligible to receive all the privileges of owning a Magnavox product.
- So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your Magnavox warranty.

Owner Confirmation


Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.


Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

Know these
safety symbols



 This "bolt of lightning" indicates uninsulated material within your unit which may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

 The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

For Customer Use

Enter below the Serial No. which is located on the bottom of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

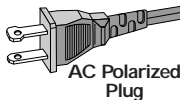
WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A



polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.

12.  Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. Battery usage **CAUTION** – To prevent battery leakage which may result in bodily injury or damage to the unit:
 - Install **all** batteries correctly, + and - as marked on the unit.
 - Do not mix batteries (**old** and **new** or **carbon** and **alkaline**, etc.).
 - Remove batteries when the unit is not used for a long time.

EL 6475-E003: 01/6

Class II equipment symbol



This symbol indicates that the unit has a double insulation system.

LIMITED WARRANTY

PORTABLE AUDIO

One Year Free Exchange

This product must be carried in for an exchange.

WHO IS COVERED?

You must have proof of purchase to exchange the product. A sales receipt or other document showing that you purchased the product is considered proof of purchase. Attach it to this owner's manual and keep both nearby.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. For one year thereafter, a defective or inoperative product will be replaced with a new, renewed or comparable product at no charge to you. A replacement product is covered only for the original warranty period. When the warranty on the original product expires, the warranty on the replacement product also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Magnavox.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes.

WHERE IS EXCHANGE AVAILABLE?

You may exchange the product in all countries where the product is officially distributed by Magnavox. In countries where Magnavox does not distribute the product, the local Magnavox service organization will attempt to provide a replacement product (although there may be a delay if the appropriate product is not readily available).

BEFORE REQUESTING EXCHANGE...

Please check your owner's manual before requesting an exchange. Adjustments of the controls discussed there may save you a trip.

EXCHANGING A PRODUCT IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...

Contact your dealer to arrange an exchange. Or, ship the product, insured and freight prepaid, and with proof of purchase enclosed, to the address listed below.

Small Product Service Center
Magnavox Service Company
907 Snapps Ferry Road, Plant 2, Building 6
Greenville, TN 37743

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

EXCHANGING A PRODUCT IN CANADA...

Please contact Magnavox at:

1-800-661-6162 (French Speaking)
1-800-363-7278 (English Speaking)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Magnavox is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Service Solutions Group, P.O. Box 2976, Longview, Texas 75606, (903) 242-4800

EL6095T002 / MAC5433 / 1-97

This product complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and*
- 2. this device must accept any interference received, including interference that may cause undesired operation.*

L'appareil répond aux normes FCC, Part 15 et 21 CFR 1040.10. Fonctionnement soumis aux deux conditions suivantes:

- 1. Cet appareil ne doit pas provoquer d'interférences nuisibles, et*
- 2. Cet appareil doit accepter toute interférence reçue, y compris les interférences susceptibles de provoquer un fonctionnement peu satisfaisant.*

El aparato cumple las normas FCC, Parte 15 y 21 CFR 1040.10. Funcionamiento dependiente de dos condiciones siguientes:

- 1. Este aparato no puede provocar interferencia dañina, y*
- 2. Este aparato debe aceptar cualquier interferencia recibida, incluyendo las interferencias que pueden provocar un funcionamiento insuficiente.*

Canada









English:

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Français :

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

CONTROLS (see figure 1)

- ① **AL 1** ( ALARM/ OFF)
 - selects CD alarm;
 - to cancel or switch off CD alarm.
- ② **WAKE-UP TRACK**
 - to program to your favorite CD track for wake-up track alarm option.
- ③ **SLEEP**
 - adjusts timer options for CD / radio;
 - switch on radio for timer mode.
- ④ **REPEAT ALARM/ BRIGHTNESS CONTROL**
 - changes the brightness of the display window;
 - switches off the alarm for a 9 minute period;
 - switches off radio / CD timer (SLEEP).
- ⑤ **Power cord**
 - connect AC-DC adapter plug to wall outlet.
- ⑥ **Coil antenna**
 - antenna to improve FM reception.
- ⑦ **CD door**
 - lift here to open / close CD door
- ⑧ **ALARM RESET (CD/ RADIO OFF)**
 - stops CD / radio playback;
 - switches off radio / CD timer (SLEEP);
 - stops the active buzzer, radio or CD alarms for 24 hours.
- ⑨ **AL 2** ( /  ALARM/ OFF)
 - selects radio  / buzzer  alarm mode;
 - to cancel or switch off radio / buzzer alarm.
- ⑩ **VOLUME** ▲ , ▼
 - adjusts the sound level.
- ⑪ **PLAY / PAUSE** 
 - starts / pauses CD playback.
- ⑫ **DOWN, UP**  , 
 - adjusts clock / alarm times
 - skips CD tracks / searches for a particular passage.
- ⑬ **Tuning indicator**
 - shows the radio frequency of your selected waveband.
- ⑭ **RADIO ON (FM/ AM)**
 - switches on the radio;
 - selects the radio waveband.

⑮ TUNING

- tunes to a radio station.

⑯ TIME/ ALARM

- toggle to set the times for the clock time, or alarm 1 or 2.

⑰ Display

- shows the clock / alarm times and status of the unit.

POWER SUPPLY

1. Check if the power voltage, shown on the AC-DC adapter plug, corresponds to your local power supply. If it does not, consult your dealer or service center.
2. Connect the AC-DC adapter plug to the wall outlet.
3. To disconnect the set completely from the power supply, withdraw the AC-DC adapter plug from the wall outlet.

The serial and production number are located on the bottom of the set.

Standby power consumption (clock mode).....2W

MEMORY BACKUP

The memory backup conveniently allows your clock and alarm time settings to be stored for up to 3 minutes when there is a power interruption e.g. AC power failure.

The complete CD clock radio and lighted display will be switched off. As soon as the power supply returns, the display will indicate the correct time.


- If power supply returns after 3 minutes you will need to re-enter the clock and alarm time settings.

BASIC FEATURES

Display brightness

1. Toggle **REPEAT ALARM/ BRIGHTNESS CONTROL**.
 → The brightness of the display toggles between:
low → bright → low

Volume

Press ▼ or ▲ to adjust the volume level. The volume level  is indicated as a number from 0-32.



SETTING TIMES

SETTING THE CLOCK AND ALARM TIMES

The time is displayed using the 12 hour clock (**PM indicator** lights up = PM, off = AM).

1. Press and hold down

TIME/ ALARM until the clock or alarm time display flashes, then release **TIME/ ALARM**.



• Press **TIME/ ALARM** repeatedly to toggle between the time or alarm displays

2. Press and hold down **◀▶** to fast adjust both the hours and minutes settings.

3. Release **◀▶** when you have reached the desired setting.



→ If you need to adjust

the time slowly, minute by minute, press and release **◀▶** repeatedly.

→ After several seconds, the time setting is confirmed when the display stops flashing.

4. Repeat steps 1-3 for each of the clock or alarm (**AL1, AL2**) settings.

Alarm time display

If you have set both alarms, the standby alarm time display will show the earlier of the two alarm times as priority.

E.g. if **AL1** = 6:00 and **AL2** = 5:45, then the standby alarm display will show the **AL2** time 5:45.

CD

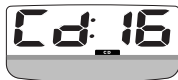
CD PLAYBACK

1. Insert a CD with the printed side facing up, and close the door.

2. Press **PLAY/ PAUSE** **▶▶** to start playback.

→ Display shows:

'Cd: --' and the total number of tracks, then your current track number, before returning to clock time.



Other possible CD indications before returning to clock time:

→ **door** is shown if the CD door is not closed.

→ **noCd** is shown if no CD has been inserted / inserted incorrectly.

→ **FFCd** is shown if the CD-R(W) is non-finalized

→ **Err** indicates a general error in operation of the set.

3. Adjust the sound with **▼** or **▲**.

4. To interrupt, press **▶▶**

→ CD icon  flashes.

5. Press **▶▶** again to resume playback.

6. Press **ALARM RESET** to stop playback.

Note: If CD playback is paused for more than 15 minutes and no controls are pressed, the set automatically goes to standby mode.

Selecting a different track during playback

The track number appears briefly in the display when you press **◀▶** or **▶▶** to skip tracks.

• Press **▶▶** once or more to skip to the next track(s).

• Press **◀▶** once and playback will return to the beginning of the current track.

• Press **◀▶** more than once to skip to previous tracks.

CD/ RADIO

Finding a passage within a track

1. During playback, press and hold down ◀◀ or ▶▶
→The CD is played at high speed and low volume; the display will show '⏮ ⏭:' and your current track number.
2. Release ◀◀ or ▶▶ when you recognize the passage you want.
→Normal CD playback and standby clock time resumes.

RADIO

1. Press **RADIO ON (FM/ AM)** to switch on the radio.
→Display shows '⏮ ⏭' before returning to clock time.
2. Press **RADIO ON (FM/ AM)** again if you wish to change waveband.
3. Adjust the sound using ▼ or ▲
4. Adjust the **TUNING** wheel to tune to a radio station.

To improve reception:

- FM:** Extend coil antenna at the back of the unit fully for optimum reception.
- AM:** Uses a built-in antenna. Direct the antenna by adjusting the position of your set.
5. Press **ALARM RESET** to switch off.




SETTING THE ALARM OPTIONS

GENERAL

Two different alarm times, **AL 1** and **AL 2** can be set in the CD, radio or buzzer modes.

Selecting the Alarm Mode Options

When selected, the selected alarm mode is shown in the display, and the respective **AL 1** or **2** button lights up.

1. Select your choice of alarm mode.
Either press briefly:
 - **AL1** once for CD alarm . This enables CD playback from the first track as your alarm call.
 - **AL2** once or more for radio  / buzzer  alarm



SETTING ALARM OPTIONS

♪ Radio Alarm:

If you have selected the radio alarm, make sure you have tuned properly to a station.

2. Read the following section if you want to select the **WAKE-UP TRACK** alarm option.

Selecting CD WAKE-UP Alarm Mode

You can program and select a CD track number between 1-99, when the set is in the standby or radio playback mode.

However, if the track number programmed does not exist on your CD, the CD will start playback from the first track during the alarm call.

1. Set the alarm time for **AL1**.
2. Insert a CD into the CD compartment.
3. Press **AL 1** to select CD alarm mode.
4. Press **WAKE-UP TRACK** to activate favorite track programming.
5. Press ◀◀ or ▶▶ until the desired track number is shown.
6. Press **WAKE-UP TRACK** to confirm the selected track number.
→The display returns to standby clock time.
7. If you want to review your programmed track number, press **WAKE-UP TRACK**

Note:

- The buzzer alarm option will automatically replace the CD alarm if you have:
 - inserted a CD incorrectly;
 - inserted a damaged CD;
 - forgotten to insert any CD;
 - not closed the CD door properly.

SWITCHING OFF ALARM

Gentle Wake Volume

A sure way of getting up in the mornings, the **gentle wake** volume for the alarm begins from a fixed gentle volume (10) and gradually increases to a maximum higher setting of (25).

- The default low volume is **L 0** : 10, and the maximum volume is **H 1** : 25.
- During the alarm call, if you press ▼ or ▲, the volume stops increasing immediately.
- The gentle wake volume settings do not affect normal CD and radio playback volume level, unless you have pressed ▼ or ▲ during the alarm call.

SWITCHING OFF THE ALARM

There are three ways to switch off the alarm. Unless you cancel the alarm completely, the **24 HOUR ALARM RESET** will be automatically selected after 59 minutes, from the time your alarm time first goes off.

24 HOUR ALARM RESET

If you want the alarm mode to be stopped immediately but also wish to retain the same alarm setting for the following day:




- Press **ALARM RESET**.
→ You will hear a beep tone to confirm the 24 hour alarm is reset.

REPEAT ALARM

This will repeat your alarm call at 9-minute intervals.

- During the alarm call, press **REPEAT ALARM/ BRIGHTNESS CONTROL**.
- Repeat if desired up to an hour.

Note:

- The selected alarm mode   or  indicators flashes throughout the repeat alarm duration.
- If you are using the CD alarm mode, CD playback resumes at the point where the repeat alarm interrupted.
- During the CD alarm, CD playback continues for up to an hour unless you cancel / reset the alarm.

SLEEP

CANCELING THE ALARM COMPLETELY

To cancel the set alarm time before it goes off, or during the alarm call:


- Press **AL1** or **AL 2** once or more until the selected alarm indicator disappears from the display.
→ You will hear a beep tone to confirm the alarm has been cancelled.

SLEEP

About Sleep

The CD clock radio has a built-in sleep timer which enables the set to be automatically switched off during radio or CD playback after a set period of time. There are 3 sleep times: 60, 30 and 15 minutes. The sleep function does not change the operation of your alarm settings.

Setting SLEEP

1. Press **▶II** (CD) or **RADIO ON** (radio) to switch on the desired mode.
 - You can also press **SLEEP** if you want the timer in radio mode.
2. Select your timer option by pressing **SLEEP** once or more until the desired option is shown.

60 → 30 → 15 minutes → 60 → 30...
3. To cancel the timer function you can either:
 - Press **ALARM RESET**.
 - Press **REPEAT ALARM/ BRIGHTNESS CONTROL**.
 - Press **SLEEP** once or more until the sleep function is no longer shown.

MAINTENANCE

MAINTENANCE (see figure 2)

General

- If you do not intend to use the CD clock radio for a long time, withdraw the AC-DC adapter plug from the wall outlet.
- Do not expose the set or CDs to humidity, rain, sand or excessive heat caused by heating equipment or direct sunlight.
- To clean the set, use a soft dry cloth. Do not use any cleaning agents containing alcohol, ammonia, benzene or abrasives as these may harm the housing.

CD player and CD handling

- The lens of the CD player should never be touched!
- Sudden changes in the surrounding temperature can cause condensation to form and the lens of your CD player to cloud over. Playing a CD is then not possible. Do not attempt to clean the lens but leave the set in a warm environment until the moisture evaporates.
- Always shut the CD door to keep the CD compartment dust-free. To clean, dust the compartment with a soft dry cloth.
- To clean the CD, wipe in a straight line from the center towards the edge using a soft, lint-free cloth. Do not use cleaning agents as they may damage the disc.
- Never write on a CD or attach any stickers to it.

TROUBLESHOOTING

TROUBLESHOOTING

If a fault occurs, first check the points listed below before taking the set for repair.

If you are unable to remedy a problem by following these hints, consult your dealer or service center.

WARNING:

Do not open the set as there is a risk of electric shock. Under no circumstances should you try to repair the set yourself, as this will invalidate the warranty.

No sound

- *Volume not adjusted*
- Adjust the VOLUME

No operation buttons function

- *Electrostatic discharge*
- Disconnect the set from the power supply and reconnect the set after 5 minutes.

CD playback does not work

- *CD badly scratched or dirty*
- Replace/ clean CD
- *Laser lens steamed up*
- Wait until lens has adjusted to room temperature
- *Laser lens dirty*
- Clean lens by playing a CD lens cleaning disc
- *CD-R(W) is non-finalized*
- Use a finalized CD-R(W)

Occasional crackling sound during FM broadcast

- *Weak signal*
- Extend coil antenna fully

TROUBLESHOOTING

TROUBLESHOOTING

Continuous crackling/ hiss disturbance during AM broadcast

- *Electrical interference from TVs, computers, fluorescent lamps, etc.*
- Move set away from other electrical equipment

The alarm does not function

- *Alarm time not set*
- See section on SETTING THE CLOCK AND ALARM TIMES
- Alarm mode not selected
- See section on SETTING THE ALARM OPTIONS

CAUTION

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Environmental information

necessary packing material has been omitted to make the packing easy to separate into 2 categories: cardboard and paper pulp. Your unit consists of materials which can be recycled if disassembled by a specialized company. Please observe local regulations on the disposal of packing materials and old equipment.

Meet Magnavox at the Internet
<http://www.magnavox.com>

MCR220BK



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