



# Digital CD Microsystem with Bluetooth and Audio Input

Model: NS-441



**PLEASE READ THIS USER MANUAL COMPLETELY BEFORE  
OPERATING THIS UNIT AND RETAIN THIS BOOKLET FOR  
FUTURE REFERENCE.**

## 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 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 and/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 pinch 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 the 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) This appliance shall not be exposed to dripping or splashing water and that no object filled with liquid, such as vases, shall be placed on the apparatus.
- 16) **CAUTION:** Visible and invisible laser radiation when open and the interlock is defeated.  
DO NOT STARE INTO BEAM.
- 17) Rating label is located at the bottom of enclosure.
- 18) "CAUTION" mark is also located at the bottom of enclosure.

## WARNINGS

- Caution: use of any controls, adjustments, or procedures other than those specified herein may result in hazardous radiation exposure.
- Caution: danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type battery.
- To prevent fire or shock hazard, do not use this plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted to prevent blade exposure.
- Warning: to reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
- Warning: the batteries shall not be exposed to excessive heat from direct sunlight, fire, or other heat sources.

 <p>THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF NON-INSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.</p>	<p><b>CAUTION</b></p> <p><b>RISK OF ELECTRIC SHOCK DO NOT OPEN</b></p> <p><b>WARNING:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE FRONT OR REAR COVER. NO USER SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	 <p>THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.</p>
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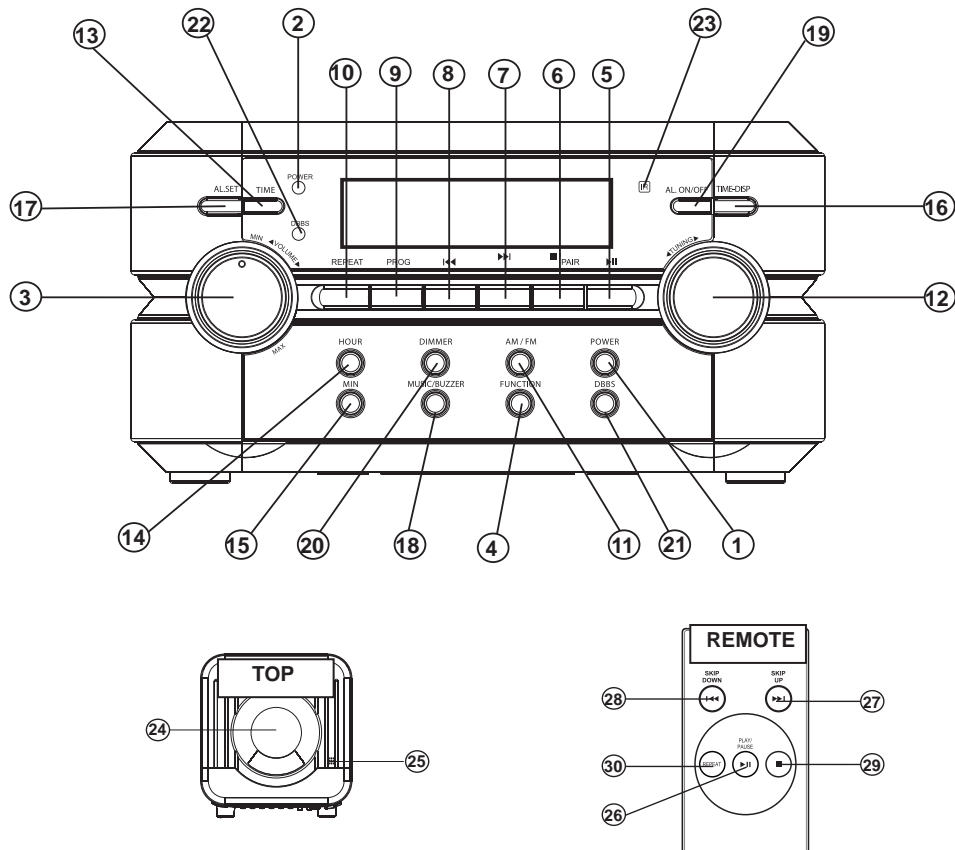
## FCC WARNINGS

**WARNING:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

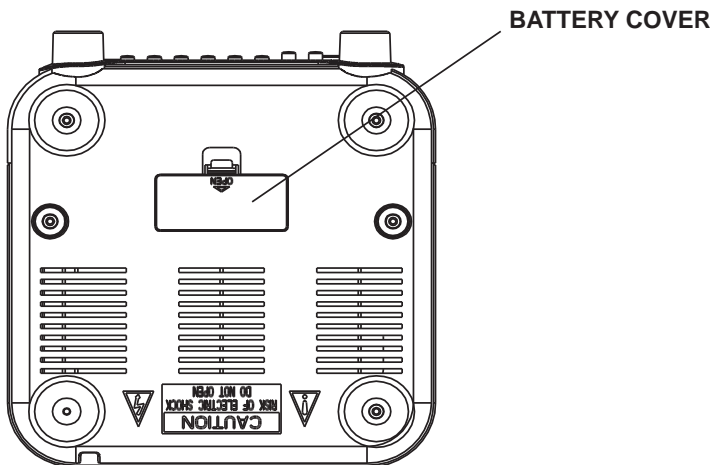
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## OVERVIEW OF SYSTEM CONTROLS



1. POWER Button	16. DISPLAY Button
2. POWER Indicator Light	17. ALARM SET Button
3. Volume Control Knob	18. MUSIC / BUZZER Button
4. FUNCTION Button	19. ALARM ON / OFF Button
5. PLAY / PAUSE Button	20. DIMMER Button
6. STOP Button	21. DBBS Button
7. NEXT / F.WD Button	22. DBBS Indicator Light
8. PREV / F.RWD Button	23. Remote Sensor
9. PROGRAM Button	24. CD Door
10. REPEAT Button	25. OPEN / CLOSE
11. AM / FM Button	26. PLAY / PAUSE Button (REMOTE)
12. Radio Tuning Knob	27. NEXT / F.WD Button (REMOTE)
13. TIME SET Button	28. PREV / F.RWD Button (REMOTE)
14. HOUR Button	29. STOP Button (REMOTE)
15. MINUTE button	30. REPEAT Button (REMOTE)

## BATTERY INFORMATION



### **Battery Installation for the Power Backup - Requires 2 AAA Batteries - (Not Included)**

In the case of a power failure, the Power Backup will keep the clock and alarm times accurate until the main power has been restored.

**NOTE:** The product will operate properly with or without batteries, except in the case of power loss.

- Open the Battery Cover on the bottom of the unit.
- Insert 2 AAA batteries (not included) following the + / - polarity, as indicated in the compartment.
- Close the battery cover.

#### **IMPORTANT:**

- Be sure that the batteries are installed correctly.
- Wrong polarity (+ or -) may damage the unit and void the warranty.
- For best performance and a longer operating time, we recommend using Super Alkaline type batteries that are of a good quality.

#### **CAUTION:**

- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- If the unit is not going to be used for an extended period of time, remove the batteries from the unit.
- Old or leaking batteries can cause damage to the unit and may void the warranty.
- Do not dispose of batteries in fire, as batteries may explode or leak.

#### **IMPORTANT:**

- This unit operates on AC 120V~ 60Hz.
- Do not attempt to operate this unit on any other power source. You could cause damage to the unit and void your warranty.
- Please be sure the power outlet you plug this unit into is working and receives constant unswitched power.

## **OPERATING THE DEVICE**

### **POWER**

1. Plug the attached AC power cord into a 120V AC~ 60Hz wall outlet.
2. Press the **POWER** Button **(1)** once to turn the unit on. The **Power Indicator Light (2)** will turn on. Press the **POWER** Button **(1)** again to turn the unit off.

### **VOLUME**

Adjust the **Volume Control Knob (3)** to the desired volume level.

### **PAIRING A BLUETOOTH DEVICE**

Before using a Bluetooth device, you must first pair your external device with the **NAXA NS-441**.

1. Turn your Bluetooth device off entirely and then turn it back on to refresh the device's Bluetooth Memory.
2. Find the Bluetooth menu on your device and make sure the Bluetooth function is turned on. (refer to your device's user manual for instructions on finding the Bluetooth menu).
3. Press the **FUNCTION** Button **(4)** repeatedly until "**BT**" appears on the LCD screen.
4. On your device, search for nearby Bluetooth devices to add the **NAXA NS-441** as a new device.
5. When the **NAXA NS-441** is discovered, your device will display "**NAXA NS-441**" in the Bluetooth menu.
6. If your Bluetooth device asks for a password, enter "0000" and the device will now pair with the **NAXA NS-441**. Making it ready to use.

**NOTE:** the **NAXA NS-441** will make a chime when your device has successfully paired.

7. If supported by your device, set the **NAXA NS-441** as "authorized" in the Bluetooth menu.

### **LISTENING TO A BLUETOOTH DEVICE**

After successfully pairing your Bluetooth device with the **NAXA NS-441**, you can begin playing music simply by choosing the song you wish to hear on your device's menu system (refer to your device's user manual for instruction on playing music).

To play or pause music, press the **PLAY / PAUSE** Button **(5)** or **(26)**

To skip to the next song, press the **NEXT / F.FWD** Button **(7)** or **(27)**

To skip to the previous song, press the **PREV / F.RWD** Button **(8)** or **(28)**

**NOTE:** All Playback controls (Play, Pause, Skip + / -, etc.) can also be controlled directly on your Bluetooth device.

## PLAYING A CD

1. Press the **FUNCTION** Button **(4)** repeatedly until **"CD"** appears on the LCD screen.
2. Press the **OPEN / CLOSE** Button **(25)** to open the CD door.
3. Insert a CD with the label facing Up.
4. Gently Close the CD door.
5. Press the **PLAY / PAUSE** button **(5)** or **(26)** to start CD playback from the first track.
6. Press the **PLAY / PAUSE** button **(5)** or **(26)** again to momentarily pause playback.
7. To Stop playback, press the **STOP** button **(6)** or **(29)**.

## SKIPPING TRACKS

- During CD play, press the **PREV / F.REV** button **(8)** or **(28)** to move to the previous track
- Press the **NEXT / F.FWD** button **(7)** or **(27)** to move to the next track.

## SEARCHING TRACKS

- During CD play press and hold the **PREV / F.RWD** Button **(8)** or **(28)** to rewind through the current track.
- Press and hold the **NEXT / F.FWD** button **(7)** or **(27)** to scan fast forward through the current track

## PROGRAMMED PLAYBACK

1. Up to 20 tracks can be programmed to play in any desired sequence.
2. Press the **PROGRAM** Button **(9)** until **"PROG"** flashes in display.
3. Press the **NEXT / F.FWD** Button **(7)** or **(27)** or the **PREV / F.RWD** Button **(8)** or **(28)** to select a desired track to be programmed.
4. Press the **PROGRAM** Button **(9)** to program the track.
5. Repeat steps 3 & 4 to program more tracks.
6. Press the **PLAY / PAUSE** Button **(5)** or **(26)** to start playing.
7. To cancel program play, press the **STOP** Button **(6)** or **(29)** twice.

## REPEAT PLAY

- To Repeat a Single Track
  - Press the **REPEAT** Button **(10)** or **(30)** while the track you want to repeat is playing. **"REP 1"** is shown in display.
  - To repeat another track, press the **PREV / F.RWD** Button **(8)** or **(28)**, or the **NEXT / F.FWD** Button **(7)** or **(27)**.
  - To cancel repeat play, press the **REPEAT** Button **(10)** or **(30)** twice.
- To Repeat All Tracks
  - Press the **REPEAT** Button **(10)** or **(30)** twice during play. **"REP ALL"** will appear in the display.
  - All tracks will be played through in sequence and then the sequence will be repeated continuously.
  - To cancel repeat play, press the **REPEAT** Button **(10)** or **(30)** once.

## **PLAYING A NON-BLUETOOTH iPod, MP3 PLAYER, OR OTHER DEVICE**

1. Connect a 3.5mm stereo audio cable from the headphone jack or other audio output on your Non-Bluetooth device into the **AUX INPUT** on the rear of the **BS029MS**.
2. Adjust the volume control on the connected device to an acceptable level.
3. Use the controls of the connected device to control audio playback.  
**NOTE:** When a 3.5mm cable is connected, the Bluetooth, CD, and Radio functions will be automatically disconnected. To resume CD or Radio play, unplug the audio cable from the AUX Input on the rear of the device.

## **LISTEN TO AM/FM STEREO RADIO**

1. Press the **FUNCTION** Button (**4**) repeatedly to select the **RADIO** function.
2. Press the **AM/FM** Button (**11**) to select AM or FM.
3. Turn the **RADIO TUNING KNOB (12)** to select the desired Radio station.
4. While in Radio Mode, the LCD Display will indicate the current station frequency. To view the current time, press the **DISPLAY** Button (**16**) the time will be shown on the LCD display and will disappear automatically.  
**NOTE:** You cannot set the time or the alarm while the Radio is in use.

## **ANTENNAS**

The AM & FM antennas are built-in to the cabinet of this player. To improve reception of radio stations simply move the entire player to another location until reception improves.

## **SETTING THE CLOCK**

1. Turn the device off before setting the time.
2. To set the clock, press and hold the **TIME SET** Button (**13**).
3. While holding the **TIME SET** Button (**13**) press the **HOUR (14)** or the **MINUTE (15)** buttons respectively until the correct time is displayed.
4. Release the **TIME SET** Button (**13**) when the correct time appears in the LCD display.

## **SETTING THE ALARM**

1. Turn the device off before setting the alarm.
2. Press and hold the **ALARM SET** Button (**17**) to set the alarm time.
3. While holding the **ALARM SET** Button (**17**) press the **HOUR (14)** or the **MINUTE (15)** buttons respectively until the proper time is set.
4. Turn on the alarm function by pressing the **ALARM ON / OFF** Button (**19**) until the Alarm icon appears in the LCD Display.
5. To turn off the alarm, press the **ALARM ON / OFF** Button (**19**) until the Alarm icon disappears from the LCD Display.
6. After setting the Alarm to your desired time, press the **MUSIC / BUZZER** Button (**18**) to the desired selection.
  - If you are waking to CD press the **MUSIC / BUZZER** Button (**18**) until “CD” appears in the LCD Display.
  - If you are waking to RADIO press the **MUSIC / BUZZER** Button (**18**) until “♪” appears in the LCD Display.
  - If you are waking to BUZZER press the **MUSIC / BUZZER** Button (**18**) until only the Alarm icon appears in the LCD Display.
7. To Stop the Alarm while it is playing, simply press the **ALARM ON / OFF** Button (**19**) once.

## USING THE DIGITAL BASS BOOST FEATURE

- To enhance the low frequency bass sound, press the **DBBS Button (21)**. The **DBBS Indicator Light (22)** will turn on.
- Press the **DBBS Button (21)** again to turn the Digital Bass Boost **off**.

### TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	SOLUTION
CD player will not turn on	· AC power cord is not connected properly	· Plug the AC cord into the outlet properly
Disc will not play	· Disc is inserted incorrectly · Defective compact disc · CD compartment not closed · Moisture condensation on disc	· Reinsert disc with label side facing up · Try another compact disc · Close CD compartment · Wipe disc with soft cloth
Erratic CD playback	· Dirty or defective disc	· Clean or replace disc
No sound	· Plug not inserted property · Volume control set to minimum · Defective compact disc · Aux input cable connected	· Reinsert Speaker Plug into Speaker jack · Increase the volume · Try another compact disc · Remove Aux cable from input jack
Noise or Sound distorted on radio	· Station not tuned properly for AM or FM · Unit is not positioned correctly	· Retune AM or FM broadcast station · Rotate unit until best reception is obtained