



Instruction Manual

Please read carefully before use and keep for future reference.

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Thank You

We know you have many choices when it comes to technology; thank you for choosing us here at Naxa Electronics. Established in 2001 in Los Angeles, California, we are dedicated to delivering products that entertain and delight.

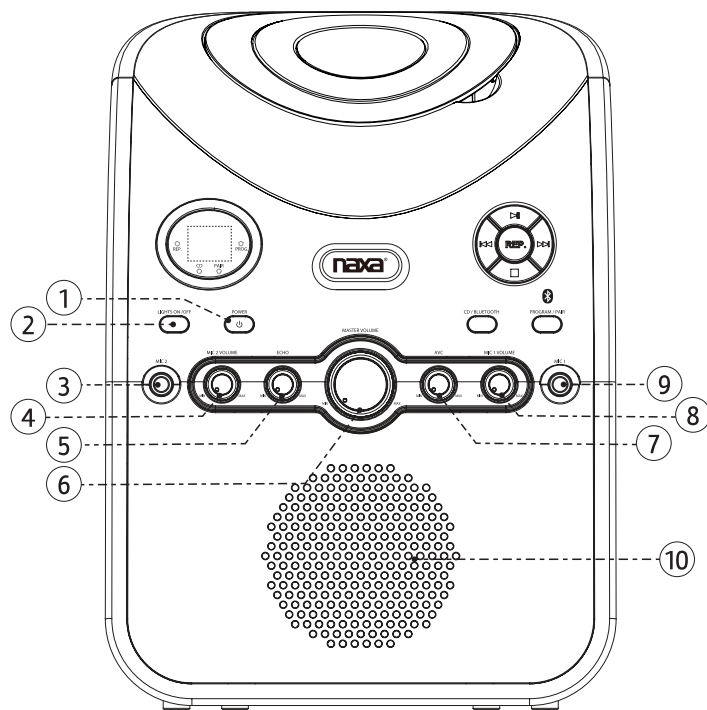
We trust that you will be happy with your purchase. Please read this manual carefully and save it for reference. You may also find the latest FAQ, documentation, and other product material at our website. Come visit us on the web at **www.naxa.com** and see all that we have to offer!

In the Box

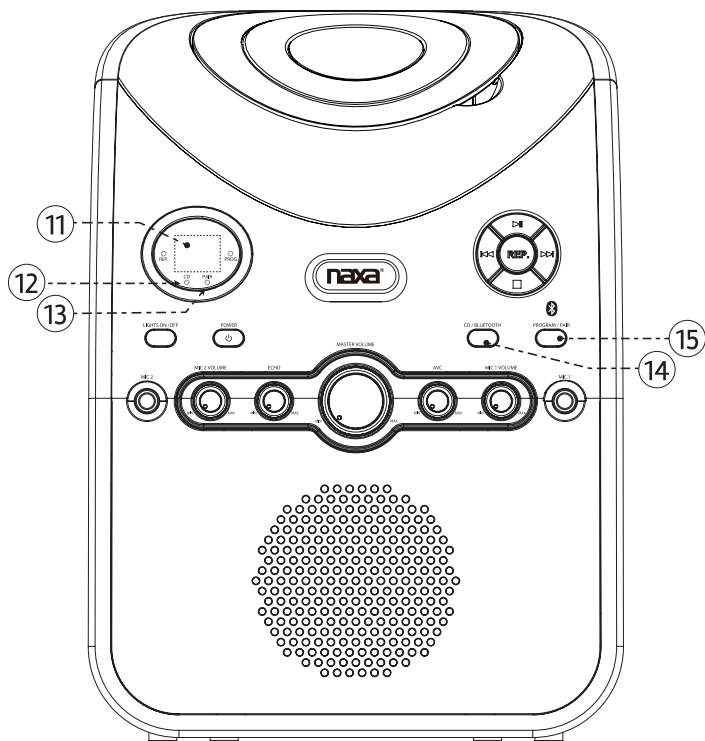
Please take a moment to make sure that you have everything in the list below. Although we make every effort to ensure that each Naxa device is securely packed and sealed, we know a lot can happen in between us and you. If anything is missing, check back with your local retailer to get immediate assistance. If they cannot help you, please contact our Naxa Support team at **www.naxa.com/naxa_support**.

- Two (2) microphones
- Two (2) 1/4" to XLR microphone cables
- A/V cable
- AC power cord
- Instruction Manual
- Warranty Card

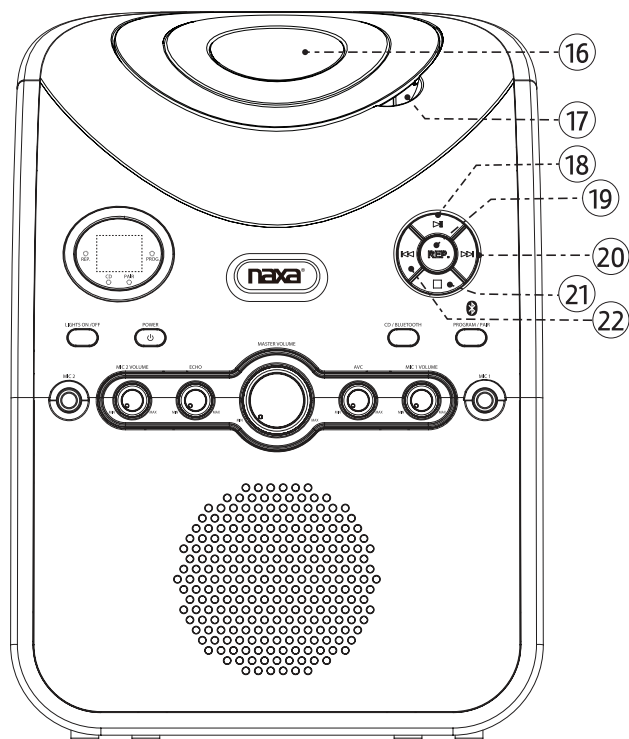
At a Glance



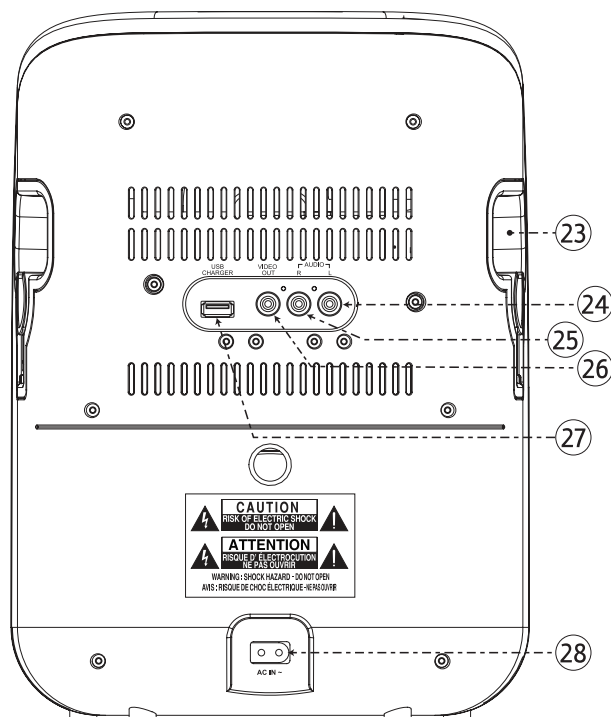
1	Power	Press to turn the unit on or off.
2	Lights On/Off	Press to turn the multicolor LED lights on or off.
3	MIC 2 input	Input connection (6.35 mm) for Microphone 2
4	MIC 2 Volume	Turn to adjust the volume level of the microphone connected to MIC 2.
5	Echo	Turn to adjust the reverb level applied to both MIC 1 and MIC 2.
6	Master Volume	Turn to adjust the volume of the entire system.
7	AVC	Automatic Voice Control. Turn to adjust the AVC level applied to both MIC 1 and MIC 2. AVC attempts to adjust the volume to balance the varying input levels to the microphone.
8	MIC 1 Volume	Turn to adjust the volume level of the microphone connected to MIC 1.
9	MIC 1 input	Input connection (6.35 mm) for Microphone 1.
10	Speaker	Dynamic full-range speaker



11	Display	Shows player status information.
12	CD indicator	Lights red when the CD source mode is active.
13	Bluetooth indicator	Lights a steady blue when Bluetooth source mode is active and connected to a device. Flashes blue slowly when not connected to a device. Flashes blue rapidly when pairing mode is active and ready to connect to a new device.
14	CD/Bluetooth	Press to change the source mode between the CD player and Bluetooth®.
15	Program/Pair	CD mode: Press to start programming a custom playlist. Bluetooth mode: Press to place the unit in pairing mode.



16	CD compartment	Load CD, CD-R/RW, and CD+G discs here for playback.
17	CD door	Covers and protects the CD compartment.
18	▶	Press to start, pause, or resume playback.
19	REP (Repeat)	CD mode: press to change the repeat play mode.
20	▶▶	Press to skip to the next track. Press and hold to scan quickly forward through the track.
21	■	Press to stop playback.
22	◀◀	Press to skip to the previous track. Press and hold to scan quickly in reverse through the track.



23	Microphone holster	Flip down and out to store the included microphone.
24	White: audio out (left)	A/V out. Use with the provided RCA A/V cable to connect to a TV when playing CD+G discs.
25	Red: audio out (right)	A/V out. Use with the provided RCA A/V cable to connect to a TV when playing CD+G discs.
26	Yellow: composite video out	A/V out. Use with the provided RCA A/V cable to connect to a TV when playing CD+G discs.
27	USB charge port	Connect and charge your USB device. This port is designed for charging only (DC 5 V, 1 A output). Use the cable provided by the device manufacturer.
28	Power in	Power connector (AC 120 V, 60 Hz).

Connecting Power

This unit can operate on AC 120 V, 60 Hz power.

With the included AC power cable, connect the AC Power in socket [28] found on the rear of the unit to a wall power outlet that provides AC power.



This unit supports AC 120 V power only.

Do not connect the unit to a power source other than that which is indicated here and on the label as this may result in the risk of fire or electric shock.

Do not handle the power plug with wet hands. Doing so may cause electric shock.

Connecting the Microphones

To start using the microphones, use the included cables to connect them to the system.

1. Align the 3 pins found on the bottom of the microphone with the XLR end of the cable. Insert the

cable and push until it clicks.

2. Connect the 6.35 mm plug of the cable to the MIC 1 or MIC 2 input connectors found on the front of the system [9, 3].
3. When you are ready to use the microphones, set the switch on them to the ON position.



Microphone holsters can be found on either side of the system. Flip them down to reveal a convenient place to hold the microphones when they are not in use.

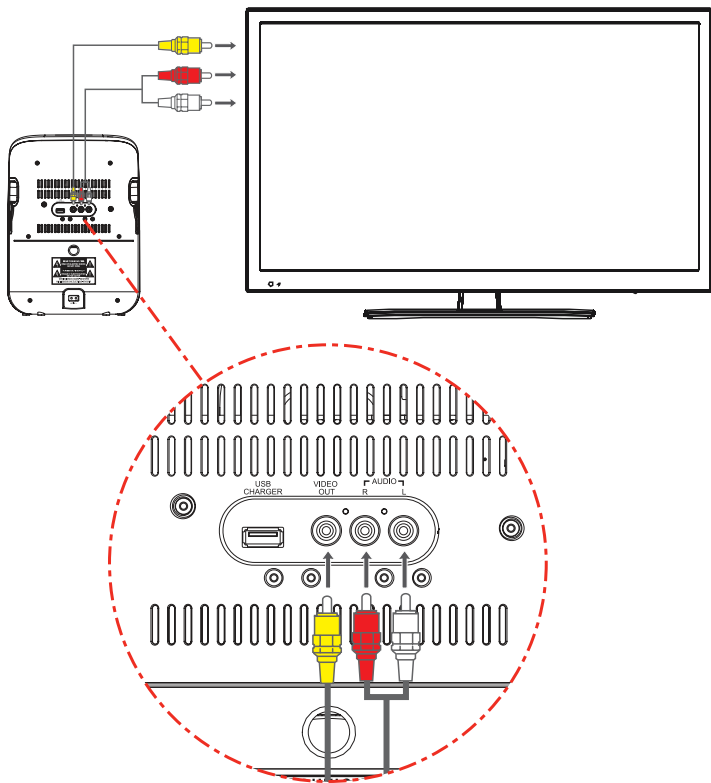
Connecting to a TV

This unit can play CD+G karaoke discs. Karaoke CD+G discs typically contain both CD–audio tracks and synchronized song lyrics. You will need to connect the karaoke system to a TV in order to view the song lyrics.

The composite video connection is capable of sending a standard–definition video signal to a TV.

1. Make the composite video connection with the yellow plug of the supplied A/V cable [26].

2. Make the L/R audio connection with the white and red plugs of the supplied A/V cable [24, 25].



3. Load a compatible CD+G karaoke disc in the CD compartment.
4. Turn on the karaoke system and press CD/Bluetooth to set the active source mode to CD (the CD indicator will light red).
5. Turn on the TV. Set the active TV input mode to match the name of the composite video connection used (some typical names are AV1, AV2, Composite 1, CVBS 1, etc.) Please refer to the documentation included with your TV to learn more about how to identify and change the TV input mode.

When the TV input mode is set correctly, you will see CD+G programming on your screen



Disconnect power before making this and any other connection.



The Red/White audio connectors may be used independently of the composite video. For example, you may connect them to a receiver or amplifier to play the audio from the karaoke system without the video.

CD/CD+G Mode

Press the CD/Bluetooth button [14] to select CD mode. The CD indicator will light red [12].

About Compact Discs

This player is compatible with all digital audio CDs, digital audio CD-Recordable discs (CD-R) and CD-Re-writable discs (CD-RW) that have been finalized, and CD-DA format digital audio CDs.

This player is not compatible with MP3-CDs. This player will not recognize and play compact discs that contain MP3 audio files on them.

This player can play CD+G discs. CD+G discs contain CD-audio as well as graphics. Karaoke CD+G discs typically display lyrics synchronized to the CD audio.



Only handle a CD by its edge. Avoid touching the label or the playable side with your hands or any other object.

Loading a Disc

1. Gently lift the CD door to open it [17].
2. Place a CD into the compartment [16] with the label side facing up (the reflective side should face down). The hole in the center of the CD should align and sit securely on the spindle.
3. Gently lower the CD door to close it. Playback will start from the first track.
4. To remove a disc, press ■ [21] to stop playback. Make sure the disc stops spinning completely, then gently lift the CD door to open it. Grasp the disc by its edges and take it out carefully.



Make sure the disc has stopped spinning completely before opening the CD DOOR

To ensure good performance, wait until the system has completely read the disc before proceeding with other functions.

The display will show “NO” if no disc is loaded or if the disc is unreadable.

Playing a Disc

- To start, pause, or resume playback, press ►|| [18].
- To stop playback, press ■ [21].

Selecting a Desired Track/Passage

- To select a desired track, press ◀◀ or ▶▶ [22, 20] until the desired track appears on the display.
- To search for a particular passage during playback, press and hold ◀◀ or ▶▶ [22, 20] to quickly scan through the current track. Release the button to return to playback at normal speed.

Programming Tracks

Programming tracks of disc are possible when playback is stopped. Up to 20 tracks can be programmed to play in any order.

1. While playback is stopped, press **PROGRAM/PAIR** [15] to enter program mode. The Program indicator will light up.
2. While the display is flashing, use the ◀◀ or ▶▶ buttons [22, 20] to select a track.

3. Press **PROGRAM/PAIR** [15] to save the selected track to the program. The display will flash the next program track number.
4. Repeat steps 2 & 3 to store other desired tracks until all desired tracks have been programmed.
5. Press ►|| [18] to start playing the custom program; press ■ [21] to cancel program playback.

To clear the program from memory, press ■ [21] when the disc is stopped or open the CD door.

Repeat Play Modes

Control the order in which tracks are played by changing the repeat play mode. Press **REP** [19] during playback in order to cycle through the different modes; the repeat indicator will light up when a repeat mode is active.

To cancel repeat play mode and return to normal playback, press **REP** [19] until the repeat indicator darkens.

Bluetooth® Mode

Press the CD/Bluetooth button [14] to select Bluetooth mode. The Bluetooth indicator will light blue [13].



Make sure Bluetooth® is enabled on the target Bluetooth audio device.

Pairing/Connecting a Bluetooth Device

You will need to pair your device with the karaoke system the first time you use them together. After they have been paired together, the karaoke system will automatically detect and connect with your Bluetooth device when you set it to Bluetooth mode.

To pair your device:

1. Press **PROGRAM/PAIR** [15] to place the system in pairing mode. The Bluetooth indicator [13] will flash blue rapidly.
2. Use your device to scan/search for other Bluetooth devices.

3. Select “NKM-100 ” from the scan/search results. Use the password “0000” if the device asks for one. The Bluetooth indicator [13] will light a steady blue when the connection is complete.
4. Use the controls of the device to start playback.



Bluetooth works best within 10 meters.

If the connection fails, the Bluetooth indicator will keep flashing.

To learn more about how to use the Bluetooth audio function of your device (including how to scan/search for other devices), please refer to the instructions provided by the device manufacturer.

*If your device becomes unpaired with the system because it was reset or the connection was erased manually, simply press **PROGRAM/PAIR** [15] and repeat the procedure above.*

Playing Audio Wirelessly From a Bluetooth Device

Once your device has been paired, you can stream audio wirelessly from it to the Karaoke system.

1. Follow the instructions for **Pairing/Connecting a Bluetooth Device**.
2. Set the volume on your device to approximately 80% of its maximum level; then turn the Master Volume dial [6] to adjust the volume to a comfortable level.
3. Use the native controls on the connected device to control playback (i.e., play/pause, skip, etc.)
4. If your device supports it, you may also be able to control playback with the buttons on the karaoke system.

Warnings and Precautions

	CAUTION WARNING: SHOCK HAZARD. DO NOT OPEN. AVIS: RISQUE DE CHOC ELECTRIQUE. NE PAS OUVRIR	
CAUTION: TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK) OF THE UNIT. REFER SERVICING ONLY TO QUALIFIED SERVICE PERSONNEL.		



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of significant magnitude to constitute risk of electric shock



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and servicing instructions in the literature accompanying the appliance.

CLASS 1 LASER PRODUCT CLASS 1 LASER PRODUCT APPAREIL LASER DE CLASSE 1 PRODUCTO LASER DE CLASE 1	CAUTION INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM	
This product contains a low power laser device.		

On Protection Against Laser Energy Exposure

- As the laser beam used in this product is harmful to the eyes, do not attempt to disassemble the casing.
- Stop operation immediately if any liquid or solid object should fall into the cabinet.
- Do not put anything in the safety slot. If you do, the laser diode will be ON when the disc compartment door is still open.
- If the unit is not to be used for a long period of time, make sure that all power sources are disconnected from the unit. Remove all batteries from the battery compartment, and unplug the AC-DC adapter from the wall outlet. Make it a practice to remove the AC-DC adapter by grasping the main body and not by pulling the cord.
- This unit employs a laser. The use of controls or adjustment or performance of procedures other than those specified here may result in exposure to hazardous radiation.

CAUTION

- Do not block the ventilation openings or holes.
- Do not place any naked flames (such as lighted candles) on the apparatus.
- When discarding batteries, follow all local rules and laws governing the disposal of batteries. Consider the environmental impact of your actions!
- Invisible laser radiation when open and interlock has failed or been defeated. Avoid direct exposure to beam.
- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

Important Safety Information

1. **Read Instructions:** All the safety and operating instructions should be read before the product is operated.
2. **Retain Instructions:** The safety and operating instruction should be retained for future reference.
3. **Heed Warnings:** All warnings on the product and in the operating instructions should be adhered to.
4. **Follow Instructions:** All operating and usage instructions should be followed.
5. **Cleaning:** Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. **Attachments:** Use only attachments recommended by the manufacturer. Use of other attachments may be hazardous.
7. **Water and Moisture:** Do not use this product near water (e.g., near a bathtub, washbowl, kitchen sink, laundry tub, in wet basements, or near a swimming pool and the like).
8. **Accessories:** Do not place this product on an unstable cart, stand, tripod, bracket, or table. Use only with carts, stands, tripods, brackets, or tables recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
9. **Ventilation:** Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings should never be blocked by placing



the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer instructions have been adhered to.

10. **Power Sources:** This product should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power or other sources, refer to the operating instructions.
11. **Grounding or Polarization:** This product may be equipped with a polarized alternating-current line plug that has one blade wider than the other. This plug will only fit into the power outlet in one direction. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the direction of the plug. If the plug should still fail to fit, contact an electrician to replace the obsolete outlet. Do not defeat the safety purpose of the polarized plug.
12. **Power-Cord Protection:** Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and at the point which they exit from the product.
13. **Protective Attachment Plug:** The product may be equipped with an attachment plug with overload protection. This is a safety feature. See the operating instructions for replacement or directions to reset the protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug that has the same overload protection as the original plug as specified by the manufacturer.
14. **Lightning:** For added protection for this product, unplug it from the wall outlet during a lightning storm or when it is left unattended and unused for long periods of time. This will prevent damage to the product due to lightning or power-line surges.

15. **Overloading:** Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
16. **Object and Liquid Entry:** Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
17. **Servicing:** Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
18. **Damage Requiring Service:** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions: a) when the power-supply or plug is damaged; b) if liquid has been spilled or if objects have fallen into the product; c) if the product has been exposed to rain or water; d) if the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation; e) if the product has been dropped or damaged in any way; f) when the product exhibits a distinct change in performance—this indicates a need for service.
19. **Replacement Parts:** When replacement parts are required, be sure that your service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
20. **Safety Check:** Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to ensure that the product is in proper operating condition.

21. **Wall or Ceiling Mounting:** The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
22. **Heat:** The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

FCC NOTICE

This device complies with Part 15 of the FCC Rules. 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.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

CAUTION ON MODIFICATIONS

Any changes or modifications not expressly approved by the grantee of this device may void the authority granted by the FCC to operate the equipment.

WARNING

This product contains lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. ***Wash hands after handling.***

CAUTION

This product is equipped with a polarized plug (one blade is wider than the other blade) as a safety feature to reduce the risk of electrical shock. This plug will fit into a polarized outlet only one way. This is a safety feature. If you are unable to insert the plug into the electrical outlet, try reversing the plug. If the plug still does not fit, contact a qualified electrician. Never use the plug with an extension cord unless the plug can be fully inserted into the extension cord. Do not alter the plug. Do not attempt to defeat the safety purpose of the polarized plug.

NEC NATIONAL ELECTRICAL CODE

Do not apply oil or petroleum products to this product.

GRAPHIC SYMBOLS WITH SUPPLEMENTARY MARKINGS ARE LOCATED ON THE BOTTOM OF THE UNIT. USE OF ANY CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE HEREIN SPECIFIED MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

Troubleshooting

No power when ON

- Check the power plug is connected to the back of the unit and then plug into a power outlet.
- Check that the outlet is switched on and working properly.
- Check that the POWER button on the front of the unit has been pressed.

No sound

- Turn the master volume dial clockwise to raise the volume.
- If playing from an external audio device, ensure the volume is turned up to at least 80%.

CD Player does not work

- Check that your disc is not scratched or dirty.
- Ensure that the CD lens is clean. If dusty, blow clean air across the lens to remove the dust. If problems persist, use a CD lens cleaner to clean the CD compartment.
- Check there is no moisture inside of the unit. Allow to dry before use.
- Ensure the protective card has been removed from the CD Tray.
- Try a different CD

No sound when connected to a TV

- Ensure component or AV is selected as the source for your TV audio.

- Ensure the color-coded RCA cables are correctly connected to their respective jacks.
- Turn up the volume of the TV or home theatre.

Lyrics do not appear on screen

- Ensure the color-coded RCA cables are correctly connected to their respective jacks.
- Ensure you are playing a CD+G. Audio CDs will not display Lyrics.
- Ensure that the CD+G LED is lit to confirm a CD+G format disc is playing

No sound from microphone

- Turn up the volume on the MIC 1 and MIC 2 VOLUME and master volume dials.
- Ensure the microphone is switched to the ON position on the microphone handle.
- Ensure you are singing into the microphone and are not more than 3cm away from the microphone.
- Ensure the microphone jack is securely connected to either MIC 1 or MIC 2.
- Check the echo dial is not set too low

Music or vocals cut out while playing a CD+G and singing with the microphone.

- Turn the AVC level dial counter clockwise to its lowest setting.
- Ensure you are playing a CD+G that has a vocal track

Burned CDs will not play

- Ensure the burned CD has been finalized in CD-audio format. MP3 format CDs are not supported.

What format discs are compatible?

- Formats supported are: CD, CD+G, CD-R (burned as an audio CD), and CD-RW (burned as an audio CD).
- Note: CD-R and CD-RW burned as MP3 discs are not supported.

Specifications

Media Support	CD, CD-R/RW
Playable Media Formats	CD-audio, CD+G
Wireless Source	Bluetooth® version 2.1
Input	MIC 1 (1/4")
	MIC 2 (1/4")
Output	RCA composite video
	RCA stereo audio
Level Controls	Master volume
	MIC 1
	MIC 2
	Echo (reverb)
	Automatic Voice Control (AVC)
Speaker Output Power	3 W
USB Charge Output	DC 5 V, 1 A
Power Source	AC 120 V, 60 Hz

Note: Product are improved continuously. We reserve the right to modify the product and specifications without prior notice.

Support

If you have problems with your device, please consult the instructions in this manual. Please also visit us on the web at www.naxa.com to get up to the minute news, alerts, and documentation for your device. For additional assistance, please contact Naxa Technical Support.

NAXA Technical Support

2320 East 49th St.

Vernon, CA 90058

http://www.naxa.com/naxa_support/

