

BELL+HOWELL

HIGH DEFINITION SPEAKER SYSTEM

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BHK27 User's Manual

FCC INFORMATION

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.

FCC ID: 2A2OP-NWJLK2700

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.

"FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons."

SAFETY INSTRUCTIONS

CLASS 1 LASER PRODUCT

CAUTION!

THIS PRODUCT UTILIZES A CLASS 1 LASER. USE OF CONTROL OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN THE UNIT AND DO NOT REPAIR IT YOURSELF. REFER REPAIRS TO A QUALIFIED SERVICE CENTER.

This unit adopts semiconductor unit, not including spare parts for users to replace. Don't take apart the speaker by yourself to avoid electric shock. If the machine is damaged, please ask a qualified service center to perform repairs.

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.

POWER

Power of this should be used corresponding to the information on the rating label.

VENTILATION

There should be at least 2 inches of space around the speaker for sufficient ventilation.

The function of the air vent on the main case is to keep the speaker from overheating. Don't block or cover the air vent or put the speaker on a soft surface, such as a bed or a sofa.

HEAT SOURCE

The speaker should be kept away from heat source, such as stoves and direct sunlight.

OPEN FLAME SOURCE

The speaker should be kept away from an open flame source, candles or other open flame sources should never be placed on the speaker.

WATER AND MOISTURE

Don't use this speaker in humid environments, such as bathrooms, kitchens, etc.

CAUTION:

The unit should not be exposed to any liquid and liquid filled objects, such as vases, should never be placed on top of the unit.

CLEANING

Before cleaning, the unit should be powered off and unplugged. Do not use abrasive chemicals, cleaning solvents or strong detergents to clean the product. Wipe the product with a slightly damp soft cloth.

POWER

While inserting or removing the power cord, grip the plug not the wire. If you do not plan on using the unit for an extended period of time, remove the power cord. To completely disconnect the unit from power, the power cord should be removed from the unit. The speaker's power cord plug should not be obstructed OR should be easily accessible during use.

CD TRAY DOOR

While closing the disc tray door, keep fingers away from it to avoid being damaged.

LOADING WEIGHT

Don't put any heavy objects on the speaker, this can cause damage to the unit.

CONNECTING OTHER EQUIPMENT

To prevent damage to the unit or your other devices, make sure to power off the unit before connecting other devices to the speaker.

Radium Laser

If the laser should become visible for any reason while powered on, DO NOT look at the laser. Looking at the laser can cause permanent damage to your eyes.

CD

Do not insert and CD's that are cracking, deformed or repaired, this can cause damage to the unit.

MALFUNCTION REQUIRING MAINTENANCE

If any of the following problems occur, please power off the unit immediately, and contact a qualified repair center.

1. The power cord or plug is damaged.
2. Liquid or other foreign substance enters the unit.
3. The unit has water damage of any kind.
4. While the machine can't work even according to the manual operation, don't press other button which aren't mentioned on the manual. Otherwise, it will cause the machine damaged and take the maintenance worker more time to fix.
5. The unit is dropped.
6. If there is burning smell coming from the unit.

MAINTENANCE

You should never attempt to perform repairs on the unit yourself. Opening the unit increases the risk of receiving an electric shock. If needed, contact a qualified service center.

SAFETY INSPECTION

After repairs, request that the service center performs a safety inspection to make sure that the unit works safely.

PRECAUTIONS

- When transporting the unit, use the original shipping carton and packing materials.
- Don't place the unit near any volatile liquids. Placing rubber or plastic products on the unit for prolonged periods might cause damage to the surface of the unit.
- When the speaker is used for an extended period of time, it is normal for the speaker body to feel warm.
- When not using the CD Player, please remove the disc from the unit and close the CD door.

LOCATION PRECAUTIONS

Placing the speaker next to other electronic devices, such as a TV, may cause electrical interference. Place the speaker away from other electronic devices to prevent this interference.

CLEANING PRECAUTIONS

Do not use abrasive chemicals, cleaning solvents or strong detergents to clean the product. Wipe the product with a slightly damp soft cloth

NOTE: Cleaning and adjusting interior components should only be performed by a qualified service center.

DISC USAGE PRECAUTIONS

- Never touch the bottom of a disc, always hold a disc from the outside edge.



- Clean the disc from the center to outside using a soft, non-abrasive cloth. Never use any cleaning liquids, solvents anti-static spray to clean the disc, this can cause permanent damage to the disc.



- When not in use, a disc should be stored in its original case, in a cool dry location. It should never be stored in direct sunlight.



BATTERY PRECAUTIONS

Use only the provided batteries or type of battery that came with your speaker. Using other types of battery may damage the device and invalidate the warranty.

- Inserting the batteries upside down can cause damage to the product and possibly cause an explosion.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the battery instructions.
- If the batteries change shape, color or expands, immediately stop using the batteries and remove them from the remote control.
- If the remote control is not going to be used for an extended period, remove the batteries to prevent damage.
- If the remote control stops working, or works intermittently, replace the batteries.
- Please keep the batteries out of the reach of children to prevent from swallowing, they are a choking hazard and might cause poisoning.

REMOTE CONTROL PRECAUTIONS

Follow the steps below for proper remote control use.

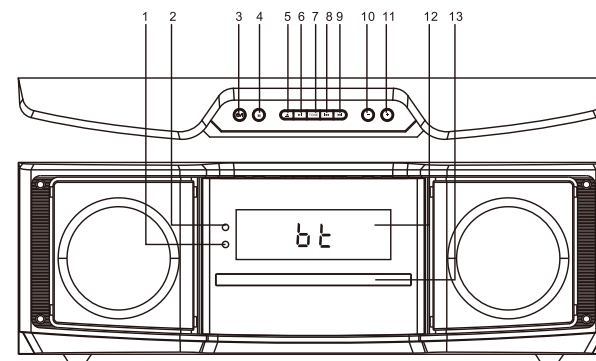
- The remote control should never be left in direct sunlight. This can cause damage to the remote control causing it to not work properly.
- When using the remote control, point it at the front of the speaker.
- Do not drop the remote control or subject it to a large shock.
- Keep the remote control away from all liquids. Liquid should never be allowed to enter the remote control.
- Do not disassemble the remote control.

NOTE:

The remote control has a range of about 25 feet, the remote must be pointed directly at the unit for it to work from that distance.

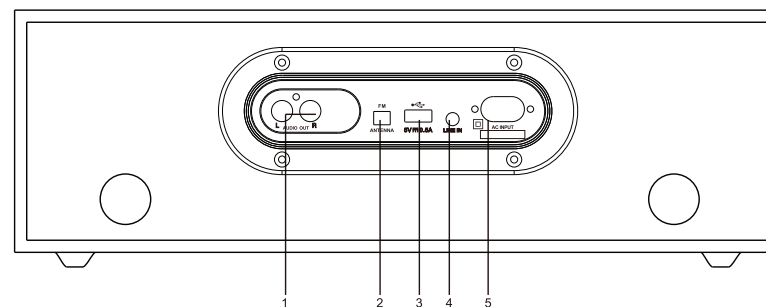
SPEAKER INTERFACE

FRONT/TOP PANEL INTERFACE



- | | |
|------------------------------|----------------------------|
| 1. Standby Indicator Light | 8. Previous Track Button |
| 2. Bluetooth Indicator Light | 9. Next Track Button |
| 3. Power Button | 10. Volume Decrease Button |
| 4. Mode Button | 11. Volume Increase Button |
| 5. CD Door Open / Close | 12. LED Display |
| 6. Play / Pause Button | 13. CD Door |
| 7. Tone Button | |

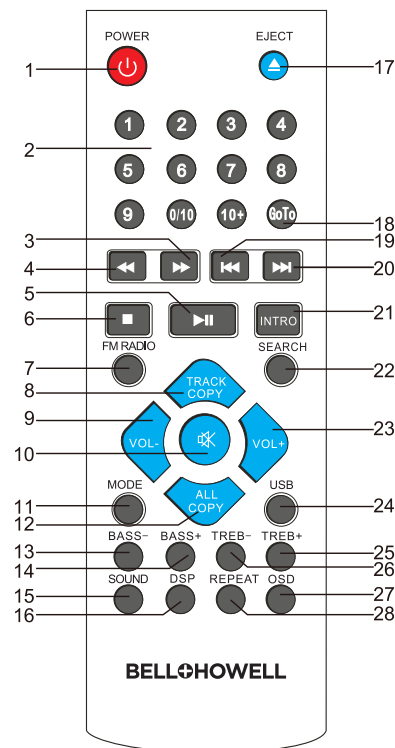
REAR PANEL INTERFACE



- Audio Out Jacks
- FM Radio Antenna Jack
- USB Jack
- Auxiliary Cable Jack
- Power Cable Jack

REMOTE CONTROL

REMOTE CONTROL INTERFACE



1. Power
2. Number Buttons
3. Fast Forward
4. Rewind
5. Play/Pause
6. Stop
7. FM Radio
8. Single Track Copy
9. Volume Decrease
10. Mute
11. Mode (switch between CD, FM, AUX and Bluetooth modes)
12. All Tracks Copy
13. Bass Decrease
14. Bass Increase
15. Sound Channel
16. DSP
17. CD Tray Open and Close
18. Go To
19. Previous Track
20. Track Forward
21. Track Preview
22. FM Station Search
23. Volume Increase
24. USB (switch between CD and USB modes)
25. Treble Increase
26. Treble Decrease
27. On-Screen Display
28. Track Repeat

GET STARTED

! Caution

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

Always follow the instructions in this chapter in sequence.

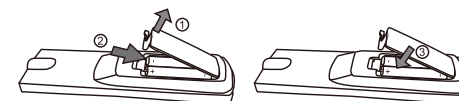
Connecting to Power

! Caution

Risk of product damage! Only use the power cable that was supplied with the unit. Using a different power cable can cause damage to the unit and possible electric shock.

- Risk of electric shock! When unplugging the AC power cable, always pull the cable from the socket. Never pull the wire.
- Before you connect the AC power cable, make sure that you have completed all other connections.

Remote Control



To insert the remote control batteries:

1. Open the battery compartment.
2. Insert 2 x AAA batteries in the correct orientation as indicated on the remote.
3. Close the battery compartment.

Please Note:

- If you are not going to use the remote for an extended period, remove the batteries.
- Only use the same type of battery at the same time, do not mix different brands or old and new batteries.
- Always dispose of batteries in the correct method as indicated on the battery packaging.

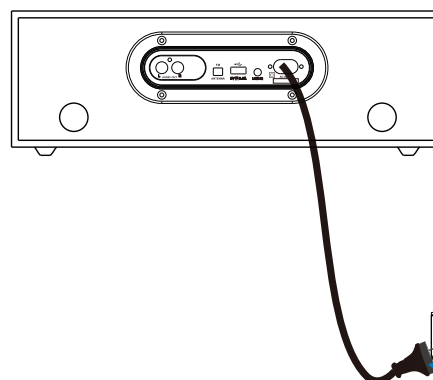
How to Turn the Unit On and Off

1. Connect the AC power cable to the rear of the unit and plug it into the wall socket.
2. Press the "ON" button on the top panel or the power button on the remote control to power on the unit.
3. Press the "OFF" button on the top panel or the power button on the remote control to power off the unit.

Caution:

If you are not using the speaker for an extended period, power off the unit and disconnect the AC power cable from the wall and the unit.

Connect the power cable to the wall socket



BASIC OPERATION

VOLUME ADJUSTMENT

Press the - or + buttons on the top panel or VOL- or VOL+ on the remote control to adjust the volume.

TONE SETUP

1. Bass: Press BASS-/BASS+ on the remote control to increase or decrease the Bass (between -14 and 14)

B 14 ~ B -14

2. Treble: Press TREBLE-/TREBLE+ on the remote control to increase or decrease the Treble (between -14 and +14).

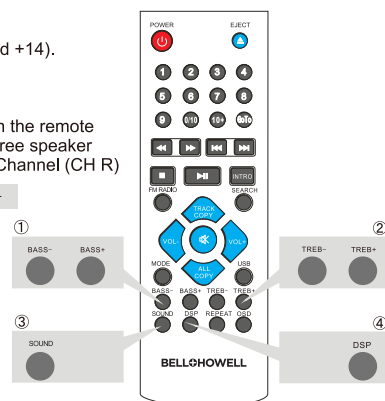
T 14 ~ T -14

3. Speaker Channel Output: Press the SOUND button on the remote control to access the speaker channel options, there are three speaker channel options to select from: Left channel (CH L), Right Channel (CH R) and Stereo (L R).

L R CH-L CH-R

4. DSP: Press the DSP button on the remote control to access the DSP options. There are four DSP options to choose from, press the DSP button to cycle through all of the options or to turn off DSP.

DSP 1
DSP 4



CD PLAYER

Press the button on the top panel or on the remote to power on the unit, then press the button on the top panel or the remote to open the CD tray. Place the CD on the tray with the top of the CD facing up. Press the button again to close the CD tray. After a few seconds the CD will start playing automatically if it is compatible with the CD player.

PLAY / PAUSE / STOP

While playing, press the button on the top panel or on the remote control to pause the CD. Press the button again to resume playing. While playing, press the button on the remote to stop playing, press the button to start playing the CD from the beginning.

PREVIOUS / NEXT

While playing, press the button on the top panel or on the remote to play the previous track.

While playing, press the button on the top panel or on the remote to play the next track.

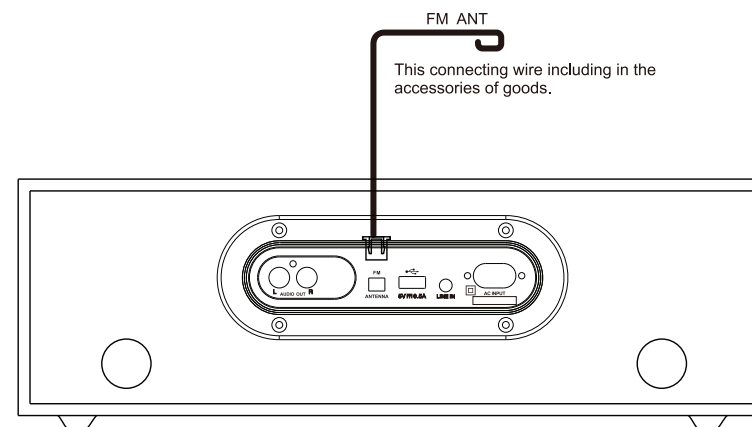
FM RADIO OPERATION

SETUP

Before using the FM radio function on the speaker, the FM radio antenna needs to be attached. Extend the FM antenna and plug the connector into the FM antenna jack on the rear panel. Press FM RADIO button on the remote control or the MODE button on the top panel to enter FM radio mode.

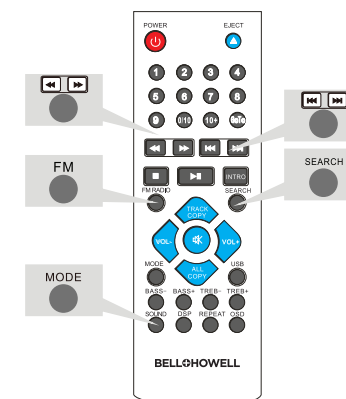
BASIC OPERATION

1. To go to a specific station, press the GoTo button on the remote, then enter the radio station using the number buttons. Note: for stations lower than 100 MHz, press 0/10 on the remote before the station.
2. You can also allow the speaker to search all available stations, simply press the SEARCH button on the remote, it will search for all stations between 87 MHz and 108 MHz. Once the search is complete, the speaker will store all of the found stations.



BASIC OPERATION continued

1. While in FM radio mode press the SOUND button on the remote to select the sound output, stereo or mono.
2. After searching for stations, press the button on the top panel or the remote to go to the next stored station. Press the button to go to the previous stored station.
3. While in FM radio mode, press the or button on the remote to manually change the station.

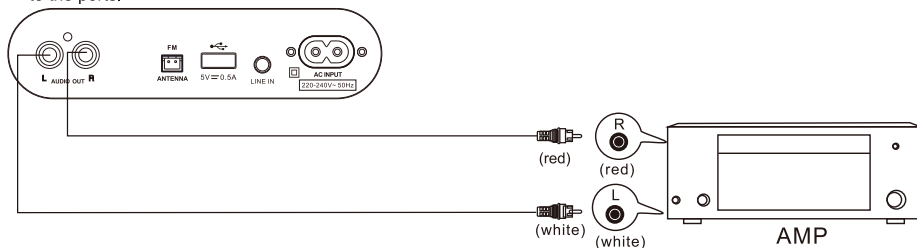


AUDIO OUTPUT AND INPUT

Audio Output

(Audio output functions only for CD and USB modes)

Your speaker can be connected to an external AMP (amplifier) using RCA audio cables (not included). Simply plug one end of the cables into the ports on the back panel on the speaker and the other end of the cables into the input ports on the amplifier. Make sure to connect the correct colors on the cables to the ports.

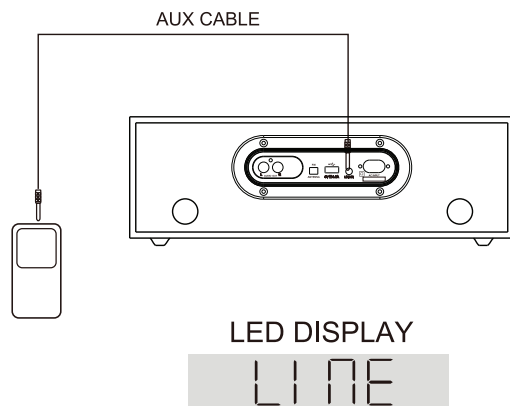


Audio Input

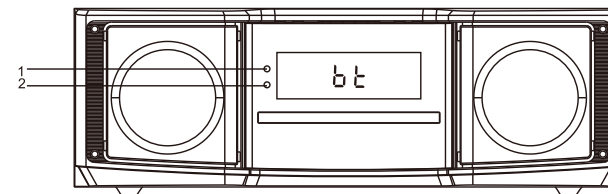
Listen to an external audio device

If you would like to use a device that is not equipped with Bluetooth technology, simply connect the included auxiliary 3.5mm cable from your device to the Aux-In input at the back of the speaker.

1. Press MODE button on the top panel or on the remote control until you see "LINE" displayed on the screen.
2. Connect the external device to the unit's auxiliary cable jack with the auxiliary cable.
3. Play music from the external audio device.



BLUETOOTH OPERATION



1. Bluetooth Indicator Light
(when in Bluetooth mode, it will flash blue while searching for a connection and it will be solid blue when connected to an external device)
2. Standby Indicator Light
(when the unit is powered off it will be solid red)

BLUETOOTH CONNECTION

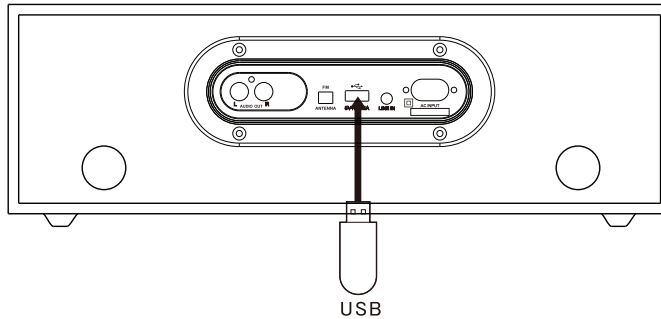
1. Press "⏻" to turn on the unit.
2. Press the "MODE" button on the top panel or on the remote control to switch Bluetooth mode, "b t" will be displayed on the screen and the indicator light will flash blue.
3. Go into your phone/tablet's Bluetooth settings and enable Bluetooth.
4. Next, enter the Bluetooth device list and select **Bell+Howell BHK27**. After selected, wait a few seconds for the pairing to complete.
5. Once connected, the the indicator light will be solid blue.
6. While connected all of the functions can be controlled using the remote control. However the volume of the external device can only be controlled from the external device, and the volume of the speaker can only be controlled from the speaker or the remote control.

Note: This speaker does not have a Bluetooth password.

USB OPERATION

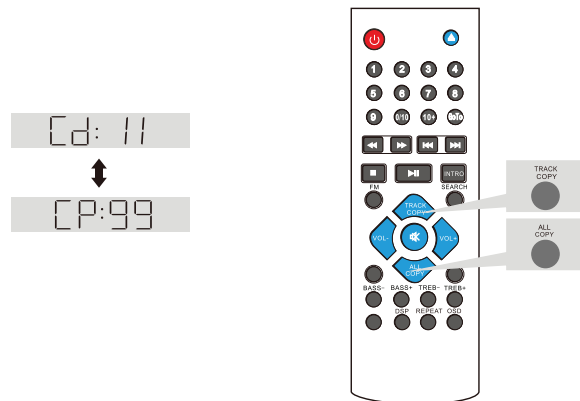
BASIC OPERATION

You can play music from a USB stick, simply plug in the USB stick into the USB port on the back panel of the unit. After the USB is plugged in, go into CD mode and press the USB button on the remote control to enter USB mode. While in USB model, all of the speaker functions that were available in CD mode will be available and function the same way.



Convert CD to MP3

You have the ability to copy the songs from a CD onto a USB stick in MP3 format. To do this, plug in a USB stick into the USB port on the back panel, then insert a CD with the music you would like to copy. While in CD mode press TRACK COPY on the remote, to copy the track that is currently playing or press ALL COPY on the remote to copy the entire CD. The progress will be shown on the LED display. Once complete, simply remove the USB stick and plug it into a computer to access the files.



TROUBLESHOOTING

TROUBLESHOOTING GUIDE

Symptom	Possible Cause	Possible Solution
No Power	The power cable is disconnected	Connect the power cable
CD mode doesn't work	No CD loaded	Load CD into speaker
No sound	Auxiliary cable is connected to the wrong port	Make sure the auxiliary cable is connected to the auxiliary port
	Volume level is 0	Increase the volume of the speaker
	Connected Bluetooth device volume is at 0	Increase the volume of the connected Bluetooth device from the connected device
Remote control doesn't function	The remote control is not pointed at the front of the speaker	Point the remote at the front of the speaker
	The remote is too far away from the speaker	Move within 25 feet of the speaker
	The batteries in the remote control are dead	Replace the batteries in the remote control
MP3 files on CD or USB play without sound	There are other, non-MP3 files on the CD or USB	Either skip the track while playing, or remove the files from the CD or USB


SPECIFICATIONS

Model Number	Bell+Howell BHK27
Disc Formats Supported	MP3
	CD
	CD-R, CD-RW
Audio Characteristics	Frequency response: 20Hz - 20KHz
	Signal to noise ratio: $\geq 80\text{dB}$
	Total harmonic distortion: $<0.01\%$
Output Power (RMS)	2 x 10W (THD 1%)
Supply Voltage	AC 110V-240V 50/60Hz
Dimensions	15.75" x 9.02" x 5.47"
Operating Temperature	20°F ~ 100°F
Operating Humidity	15-75%
Included Accessories	Remote Control, User Manual, Auxiliary Cable, FM Radio Antenna, 2 x AAA Batteries, Power Cable

MANUFACTURER

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