

# Instruction Manual



Portable CD/Cassette Player  
with USB Recording/Playback

Model #: 5050ULTRA



Please read this manual completely before operating  
this unit and retain for future reference.



## Cautions and Warnings

- To prevent electric shock, match wide blade of plug to wide slot, fully insert.
- Do not expose the unit to rain or moisture to reduce the risk of fire or electric shock.
- Use of any controls or adjustments or performance of procedures other than those herein specified, may result in hazardous radiation exposure.
- Changes or modifications made to this unit not expressly approved by HamiltonBuhl® will void the unit warranty.
- Do not place the unit on any soft, porous, or sensitive surfaces to avoid damaging the surface. Use a protective barrier between the unit and surface to protect the surface.
- Use of this unit near fluorescent lighting may cause interference to the remote. If the unit functions are erratic, move the unit away from any fluorescent lighting, as it may be the cause.
- If the battery is incorrectly inserted/replaced, there can be a danger of explosion. Replace batteries with only the same or equivalent type.
- Do not attempt to charge standard alkaline batteries in the unit. Use only rechargeable NiMH batteries.
- The remote control's button cell battery contains mercury. Do not put the battery in the trash; recycle or dispose of as hazardous waste.
- Lithium batteries, like all rechargeable batteries, should be recycled or may be disposed of in normal household waste. Contact your local government for disposal or recycling practices in your area. Never incinerate lithium batteries, as they may explode.
- Shock hazard: Do not open. Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains.
- Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (Ni-Cad, Ni-Mh, etc.) batteries.



Warning: To reduce the risk of electric shock, do not remove the cover or back of this unit.



The lightning flash with arrowhead symbol in 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 sufficient magnitude to constitute a risk of electric shock.



The exclamation point in an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions.



This product utilizes a Class 1 laser to read Compact Discs. This unit is equipped with safety switches to avoid exposure when the CD door is open and safety interlocks are off. Invisible laser radiation is present when the CD player's lid is open and the interlock has failed or is off. Important: Avoid direct exposure to the laser beam at all times. Do not attempt to defeat or bypass the safety switches.

## Important Safety Instructions

Read these Instructions and retain for your records.

1. Heed all warnings and follow all instructions.
2. Do not use this unit near water.
3. Clean only with a dry cloth.
4. Do not block any ventilation openings. Utilize in accordance with the instructions.
5. Do not install near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
6. Do not defeat the safety purpose of the polarized/grounding-type plug. A polarized plug has two blades – one wider than the other. A grounding-type plug has two blades plus a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
7. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the unit.
8. Only use attachments/accessories that are specified by manufacturer.



9. Use only with a cart, stand, tripod, bracket, or table specified by/sold by the manufacturer. Use caution when moving with a cart to avoid injury from tip-over.

10. Unplug this unit during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. Servicing is required if the unit has been damaged, 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.

### FCC Warnings

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.

### Additional Warnings

- Do not expose this unit to dripping or splashing liquids and do not place it on items filled with liquid, such as vases.
- Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the unit from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
- Do not expose the battery to excessive heat such as sunshine, fire, heaters, etc.



This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user-accessible parts.

## Connecting the Power

### AC Power Operation

Before connecting the unit to an AC outlet, check that the operating voltage of the unit is identical with the voltage of your local power supply.

Connect the supplied AC power cord to the AC socket at the back of unit. When the AC power cord is plugged in, the batteries are automatically disconnected.

### Battery Operation

This unit cannot be operated by battery when the AC power cord is connected. Open the battery cover and put the batteries as indicated inside the battery compartment.

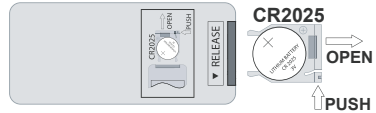
### Battery Precautions

When using batteries in this device:

1. Use only the size and type of batteries specified.
2. Follow correct polarity when installing batteries as indicated in the battery compartment.
3. Do not mix different types of batteries (e.g. Alkaline or Carbon-zinc) or old batteries with new ones.
4. If the device is not to be used for a long period of time, remove batteries to prevent damage or injury from possible battery leakage.
5. Do not try to recharge batteries that are not intended to be recharged; they can overheat and rupture (Follow battery manufacturer's directions).

### Installing the Remote Control Battery

1. Remove the battery compartment cover on the back of the remote control by pushing the tab to the right while removing the cover.
2. Insert a 3V lithium battery (CR2025 or equivalent) following the polarity (+) as shown on the diagram inside the compartment.
3. Replace the battery compartment cover.

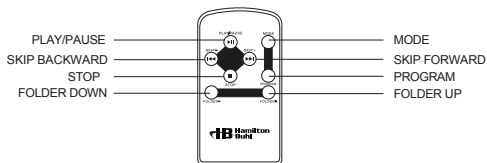
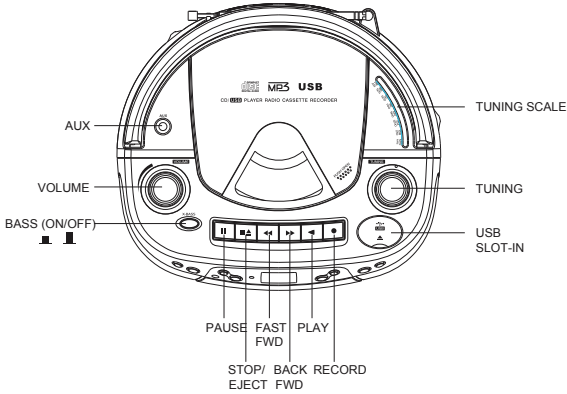
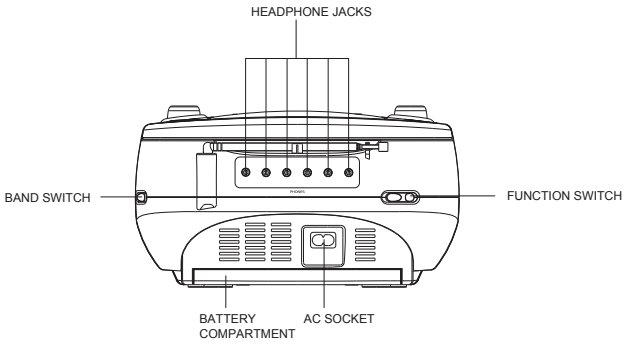
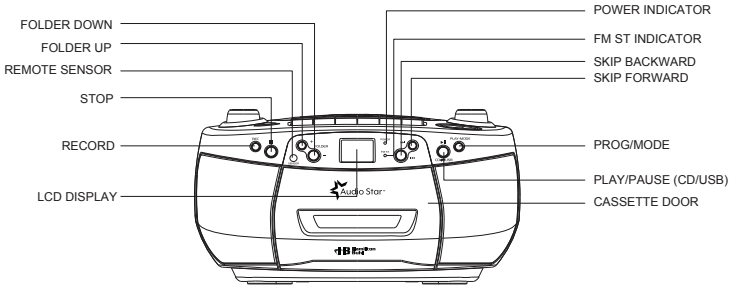


**NOTE:** The remote control battery normally lasts for about one year, although it depends on how often the remote control is used. If the remote control is not working properly, replace the battery.

### Precautions When Using Batteries

1. **CAUTION:** There is a danger of explosion if battery is not inserted correctly. Replace only with the same or equivalent battery type.
2. Do not mix different types of batteries together (e.g. alkaline, rechargeable and standard (carbon zinc) or old batteries with new ones.)
3. Exhausted batteries must be removed to prevent possible leakage.
4. Dispose batteries properly in accordance with environmental regulations in your region.

# Control Diagrams



## Radio and Disc Operation

### Listening to Radio

1. Insert the main plug into a main supply power outlet.
2. Select the FUNCTION switch to RADIO position.
3. Slide the BAND switch to select AM/FM ST band.
4. Rotate the TUNING control knob to search for the desired station.
5. Rotate the VOLUME control knob to set the desired volume.
6. To turn the unit off, set the FUNCTION switch to the OFF position.

**NOTE:**

**For the best AM reception, slightly rotate the unit or move the unit to a different area of the room until the best reception is obtained.**

**To obtain the best FM reception, fully extend the FM antenna. Avoid close proximity to the speaker and other electrical appliances.**

### Listening to Music CD or MP3 Files

1. Insert the main plug into a main supply power outlet.
2. Open the CD door by pressing the OPEN button near the CD door. Insert the disc into the disc compartment, title side facing up.
3. Close the CD door, select the FUNCTION switch to CD position, “---” is displayed for few seconds, and total number of tracks will show on the LCD display.
4. Press PLAY/PAUSE to play the CD.
5. Press SKIP FORWARD ►► or SKIP BACKWARD ◄◄ button to jump to next or previous track.
6. Press and hold SKIP FORWARD ►► or SKIP BACKWARD ◄◄ button to search rapidly within a track to locate a specific passage.
7. During CD play, press the PLAY/PAUSE button to pause the CD; press again to resume.
8. During MP3 playback, press and hold the FOLDER UP/DOWN buttons to search for the previous/next folder.
9. Press the STOP button to stop the CD playing.
10. After all tracks have been played, the CD player will stop automatically.

**NOTE:**

**Do not open the CD compartment while the disc is playing. To open the compartment, press the STOP button first.**

**This unit plays music CDs and MP3 disc formats.**

## USB Operation

### Supported Formats:

The 5050ULTRA supports FAT or FAT32 formatted USB sticks. Please ensure the USB stick is in the correct format prior to inserting into this unit. USB playback or recording will not function unless formatted properly.

### Listening to Music on USB (MP3)

To playback the recorded contents from the USB, make sure that no other external devices are connected.

1. Slide the USB cover up. Plug the USB stick into the USB port. Slide the FUNCTION switch to CD/MP3/USB/AUX position.
2. Press and hold the PLAY/PAUSE button to enter USB mode. "----" will display for a few seconds and the total number of files and USB indicator will then show on the LCD display.
3. Press PLAY/PAUSE button to play the file on the USB.
4. Press SKIP FORWARD ►► or SKIP BACKWARD ◀◀ button to rapidly search within a file to locate specific content.
5. During USB play, press the PLAY/PAUSE button to pause and press again to resume.
6. During playback, press the FOLDER+ button to skip to the next folder.
7. During playback, press the FOLDER- button to skip to the previous folder.
8. Press the STOP button to stop USB playback.
9. After all files have been played, USB playback will stop automatically.

### Recording from CD

1. Move the function switch to CD/MP3/USB/AUX
2. Open the CD door on the top of the unit and insert the CD with label facing up.
3. Select the desired track to record and press the PAUSE button located on the front of the unit.
4. Insert the USB stick into the USB Port.
5. Press the REC button on the front of the unit and "ONE" will appear on the LCD display and flash.
6. Press the SKIP FORWARD button to toggle between "ONE" single track, or "ALL" to record entire CD.
7. Press the REC button again to start recording.
8. Press the STOP button on the front of the unit to stop recording or it will automatically stop recording when track/CD comes to an end.

### Recording to USB

Note: You can only record to USB from CD, Cassette and AUX source.

### Recording from Tape

1. Set the function switch on the left side to the "TAPE" position.
2. Press the OPEN button of the cassette to open the cassette compartment.
3. Insert the cassette tape into the compartment and then close the cassette compartment door.
4. Insert the USB stick into the USB port.
5. Press the PLAY button on the top of the unit to play back the cassette.
6. Press the REC button on the front of the unit to start recording.
7. After a few seconds, the LCD will display "REC" to indicate recording has begun.
8. Press the STOP button on the front of the unit to stop the recording. If you don't press the STOP button before the tape ends, the recording will NOT be completed.
9. Press the STOP/EJECT button on the top of the unit to turn off/eject the cassette.

### Recording from AUX

1. Set the function switch on the left side to "CD/MP3/USB/AUX"
2. Connect an external audio source (phone, tablet, etc.) using an AUX In Cable (not included) to the 5050ULTRA AUX port.
3. Start playing the audio source.
4. Press the REC button on the front of the unit to start recording.
5. Press the STOP button on the front of the unit to stop the recording. If you don't press the STOP button before the source ends, the recording will NOT be completed.

## Repeat and Program Operation

### To Repeat One Track on Music CD, MP3 or USB

1. During CD/MP3 disc or USB playback, press SKIP FORWARD ►►/SKIP BACKWARD ◄◄ button to select a track you wish to repeat.
2. Press the PROG/MODE button until the “REP” indicator shows on LCD display. The unit will play the desired track repeatedly.
3. To cancel the setting, press the PROG/MODE button continuously until the “REP” “REP ALL” “RANDOM” “ALBUM” indicators disappear.

### To Repeat the Entire Disc or USB

1. During CD/MP3 disc or USB playback, press the PROG/MODE button continuously until the “REP ALL” indicator shows on the LCD display. The unit will play all tracks on the disc repeatedly.
2. To cancel the setting, press the PROG/MODE button continuously until the “REP” “REP ALL” “RANDOM” “ALBUM” indicators disappear.

### To Play Music CD or MP3 Disc or USB Randomly

1. During CD/MP3 disc or USB playback, press the PROG/MODE button continuously until the “RANDOM” indicator shows on LCD display. The unit will play all tracks randomly.
2. To cancel the setting, press the PROG/MODE button continuously until the “REP” “REP ALL” “RANDOM” “ALBUM” indicators disappear.

### To Repeat Album (Folder) for MP3 Disc or USB

1. During MP3 disc or USB playback, press the PROG/MODE button continuously until the “ALBUM” indicator shows display. The unit will play all content on Disc or USB folder (album) repeatedly.
2. To cancel the setting, press the PROG/MODE button continuously until the “REP” “REP ALL” “RANDOM” “ALBUM” indicators disappear.

**NOTE: Repeat album (folder) function cannot support normal music CD. This function is for MP3 disc format only.**

### To Program Specific Tracks (CDs = 20 tracks, MP3 = 99 tracks)

1. Load the CD or USB you wish to program.
2. Make sure the CD or USB is in STOP mode.
3. Press the PROG/MODE button once; “P01” will display on the LCD and “PROG” indicator will blink.
4. Press the SKIP FORWARD ►►/SKIP BACKWARD ◄◄ button until the desired track number is reached.
5. Press the PROG/MODE button to store the selection.
6. Repeat the Steps 4 and 5 until you have entered all the tracks.
7. To play the stored sequence, press the PLAY/PAUSE button.
8. After all memory tracks have been played, the CD player will stop automatically.

**Note: When 20 tracks of CD (or 99 tracks for MP3 disc or USB) have been programmed, the memory is full and “FUL” will appear on the display. If you want to cancel the program memory, press the STOP button once. “REP” “REP ALL” also applies to CD, MP3 disc or USB program playback.**

### To Repeat Programmed Tracks

1. During program play, press PROG/MODE button once will repeat the specifically programmed track.
2. Press PROG/MODE button again to repeat all of the programmed tracks.
3. Press STOP button to cancel repeat play on programmed tracks.



# Cassette Operation

## Cassette Playback

1. Set the FUNCTION switch to the "TAPE" position.
2. Insert a cassette into the cassette compartment.
3. Press the PLAY button to play the loaded cassette.
4. Adjust the VOLUME, if necessary.
5. Press the STOP/EJECT button to stop tape play.
6. The PAUSE button is used to temporarily stop the tape during recording or playback.
7. Press the EJECT button to open cassette door when cassette function is no longer in operation.

## Fast Forward or Rewinding

1. To fast forward or rewind, press the FAST FORWARD or REWIND button.
2. Press the STOP/EJECT button to stop fast forwarding at the end of the tape in order to prevent damage to the cassette tape.

## Cassette Recording

When recording, no volume adjustment is needed – the recording level is automatically set.

## Cassette Tape Selection

The quality and condition of the cassette tapes you use will have a direct effect on the performance of this unit. Low quality tapes tend to break and stretch, and a broken tape can easily become entangled in the drive mechanism, causing major damage. Stretched tapes run at uneven speeds and will distort anything recorded on them.

- Use only reputable tape brands
- Use of C-120 (120 minutes) cassettes is not recommended. The extreme thinness of this tape may result in breakage or other problems
- Check to ensure there are no loose layers of tape visible through the cassette center windows. Tighten loose layers with a pencil or ballpoint pen before inserting the cassette into the unit.

## Recording From the Built-In Radio

1. Set the FUNCTION switch to "RADIO" position.
2. Set the Band switch to the desired band position.
3. Tune in to desired radio station.
4. Insert the cassette into the cassette compartment.
5. Press the PAUSE button.
6. Press the RECORD button.
7. Release the PAUSE button to begin recording.
8. Adjust the volume, if necessary.
9. To stop recording, press the STOP/EJECT button. When the tape reaches the end, it will stop recording automatically.

## Recording From Discs

1. Set the FUNCTION switch to "CD/MP3/USB/AUX" position.
2. Press the PUSH OPEN area to open the CD door.
3. Load a CD, with the label side upward, into the CD compartment, close the door, and the player will play all the tracks once (continuous play).
4. Press the STOP (■) button to stop playing the CD.
5. Insert the cassette into the cassette compartment.
6. Press the PAUSE button.
7. Press the RECORD button.
8. Press the PLAY/PAUSE button to start playing.
9. Release the PAUSE button to begin recording. You can also record audio signals from an external microphone.
10. Adjust the volume, if necessary.
11. To stop recording, press STOP/EJECT button. When the tape reaches the end, it will stop recording automatically.

## Recording From Aux

1. Set the FUNCTION switch to "CD/MP3/USB/AUX" position.
2. Connect external player to the AUX IN jack.
3. Press the Record button.
4. To stop recording, press the STOP/EJECT button. When the tape reaches the end, it will stop recording automatically.

## Recording From the Built-In Recording Microphone

1. Set the FUNCTION switch to Tape (Radio Off) position.
2. Insert a cassette tape into the cassette compartment.
3. To avoid feedback between the speaker and the built-in recording microphone, set the Volume Control to the minimum position.
4. Press the Record button.
5. Recording can be achieved via built in microphone.
6. To stop recording, press STOP/EJECT button. When the tape reaches the end, it will stop recording automatically.

## AUX Operation

Requires a 3.5mm audio cable (not included).

1. Connect a the 3.5mm audio cable to the AUX In on the unit and an audio output on an MP3 player or other audio source.
2. Select the FUNCTION switch to “CD/MP3/USB/AUX” position.
3. Use the native controls on the connected MP3 player or other audio source to play and control audio played through the unit.

## Connecting up to 6 Headphones

Connect up to 6 stereo headphone/headsets/earphones (not included) into any of the 6 headphone jacks located on the back of the unit.

## Specifications

### General

Power supply:	AC 120V/60Hz DC 9V (Uses 6 “UM-1” size batteries)
Output Power:	1.0 watts x 2 (RMS)
Speaker:	90mm Cone-Type
AUX/MP3 in:	3.5mm Jack
Dimensions:	9.45” x 8.27” x 5.12” (L x D x H)
Weight:	5.28 lbs.
Operating Temperature:	+41°F – +95°F
Frequency:	AM: 530 – 1710 KHz FM: 88 – 108 MHz
Antenna:	AM: Built-in Ferrite Bar FM: Antenna Rod
<b>CD</b>	
Optical Pick-Up Lens:	3-beam semiconductor laser

# Troubleshooting

Function	Possible Cause	Possible Cause	Solution
CD Playback	"NO" appears in CD playback mode	CD is inserted upside down	Insert CD in correctly with CD graphic face up
		CD is damaged, scratched or dirty	Wipe CD with microfiber cloth or use another disc
		Incompatible CD format	Supports Audio CD, CD-R, CD-RW, and MP3 CD
		Slide function is not set	Slide the function switch to CD/MP3/USB/AUX
	CD Playback intermittent or skipping	CD is damaged, scratched, dirty or CD lens is dirty	Wipe CD with microfiber cloth or use another disc. Use a CD lens cleaning disc to clean lens
USB Recording	"NOF" appears in USB Recording Mode	USB Stick is not FAT/ FAT32 format	Contact manufacturer of USB stick to learn how to format USB stick into correct format. Change USB Stick.
USB Playback	"NOF" appears in USB Recording Mode	USB Stick is defective	Contact manufacturer of USB stick to replace or replace USB stick
		Invalid file format	USB playback supports MP3 format only. No other formats are supported.
	No Sound	Media player via AUX IN is still connected	Disconnect Aux In cable
AM/FM Radio	Noise or sound distorted	Station not tuned properly	Carefully adjust tuner to the desired radio station
		Telescopic antenna is not fully extended	Fully extend the FM telescopic antenna
Cassette Playback/ Recording	Poor Sound Quality	Dust or dirt in cassette tape	Use a cassette tape cleaner to clean cassette
		Dust or dirt in the cassette player head, capstan, or pinch roller	Contact an authorized repair service to clean mechanisms
Aux In Playback/ Recording	No Sound	Faulty Aux In Cable or not inserted properly	Replace Aux in Cable or make sure the Aux In cable is inserted properly into the aux in jack
All Functions	No Sound	Volume Dial is low	Twist the volume to the right to the desired sound level

## Product Registration Instructions

Visit: [www.HamiltonBuhl.com](http://www.HamiltonBuhl.com)

1. Click on Customer Care
2. Click on Product Registration Form
3. Fill out all fields marked with \* to register your product



### Warranty

Warranty begins the date item ships from our warehouse. All products have a one year warranty from original date of shipment, unless otherwise noted.



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