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Hamilton™

E L E C T R O N I C S

MPC-6060

**PORTABLE MP3/CD PLAYER
AM/FM RADIO
DOUBLE CASSETTE RECORDER
WITH VARIABLE SPEED
& REMOTE CONTROL**



INSTRUCTION MANUAL

Warnings and Precautions

- **CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.
- **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- **AVERTISSEMENT:** Pour réduire le risque d'incendie ou de choc électrique, ne pas exposer cet appareil sous la pluie et l'humidité.
- **CAUTION:** Use of any controls or adjustments or performance of procedures other than those herein specified may result in hazardous radiation exposure.
- **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.
- **WARNING:** Do not place the unit on top of any soft, porous, or sensitive surfaces to avoid damaging the surface. Use a protective barrier between the unit and surface to protect the surface.
- **WARNING:** Use of this unit near fluorescent lighting may cause interference regarding use of the remote. If the unit is displaying erratic behavior move away from any fluorescent lighting, as it may be the cause.
- **CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- **PRÉCAUTION:** *Danger d'explosion si les piles sont remplacées de façon incorrect. Remplacer les piles seulement par le même type de pile ou l'équivalent.*
- **WARNING:** There is a danger of explosion if you attempt to charge standard Alkaline batteries in the unit. Only use rechargeable NiMH batteries.
- **WARNING:** The remote control's button cell battery contains mercury. Do not put in the trash, instead recycle or dispose of as hazardous waste

- **WARNING:** Lithium batteries, like all rechargeable batteries are recyclable and should be recycled or disposed of in normal household waste. Contact your local government for disposal or recycling practices in your area. They should never be incinerated since they might explode.

- **WARNING:** Shock hazard - Do Not Open.

- **AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR**

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 socket outlet completely.
La prise du secteur est utilisé pour déconnecter le système.

La prise du secteur ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation. Pour être complètement déconnecté de l'alimentation d'entrée, la prise doit être débranchée du secteur.

Do not mix old and new batteries.
 Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc) batteries.
No mezcle baterías viejas y nuevas.
No mezcle baterías alcalinas, estándar (carbóno-zinc) o recargables (ni-cad, ni-mh, etc.).

CAUTION
 RISK OF ELECTRIC SHOCK
 DO NOT OPEN

ATTENTION
 RISQUE D'ÉLECTROCUTION
 NE PAS OUVRIR

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING 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 sufficient magnitude to constitute a risk of electric shock to persons.



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.



This product utilizes a Class 1 laser to read Compact Discs. This laser Compact Disc Player is equipped with safety switches to avoid exposure when the CD door is open and the safety interlocks are defeated. Invisible laser radiation is present when the CD Player's lid is open and the system's interlock has failed or been defeated. It is very important that you avoid direct exposure to the laser beam at all times. Please do not attempt to defeat or bypass the safety switches.

Specification

General

Power supply:	AC 110V / 60Hz DC 12V (Uses 6 pcs of "UM-1" size battery)
Output Power:	5.0 watts x 2 (RMS)
Speaker:	100mm Cone type
AUX/MP3 in:	RCA jack
Dimensions:	42 x 25 x 17cm (L x D x H)
Weight:	4.0 kgs
Operation Temperature:	+5 °C - +35 °C

General

Frequency:	AM: 520 – 1710 KHz FM: 87.5 – 108 MHz
Antenna:	AM: Built-in Ferrite Bar FM: Antenna Rod

CD

Optical pick-up lens	3 beam semiconductor laser
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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 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.
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.

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

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.
L'appareil ne doit pas être exposé aux écoulements ou aux éclaboussures et aucun objet ne contenant de liquide, tel qu'un vase, ne doit être placé sur l'objet.
- Main 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 socket outlet completely.
La prise du secteur ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation. Pour être complètement déconnecté de l'alimentation d'entrée, la prise doit être débranchée du secteur.
- Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
Les piles ne doivent pas être exposées à de forte chaleur, tel qu'à la lumière du soleil, au feu ou autres choses de semblable.
- Caution marking is located at the rear or back of the apparatus.
Attention marquage est situé à l'arrière ou à l'arrière de l'appareil
- The marking information is located at the rear or back of apparatus.
Les informations de marquage est situé à l'arrière ou à l'arrière de l'appareil.



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 into the Batteries are automatically disconnected.

BATTERY OPERATION

The 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.

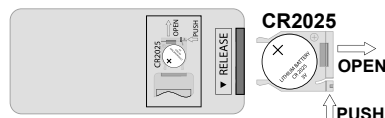
BATTERY PRECAUTIONS

Follow these precautions when using batteries in this device:

1. Use only the size and type of batteries specified.
2. Be sure to follow the correct polarity when installing the batteries as indicated in the batteries compartment.
3. Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones.
4. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
5. Do not try to recharge batteries 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:** Danger of explosion if battery is not inserted correctly. Replace only with the same or equivalent type.
2. Do not mix different types of battery together (e.g. alkaline, rechargeable and standard (carbon zinc) or old batteries with fresh ones.
3. Exhausted batteries must be removed to prevent possible leakage.
4. Dispose of batteries properly in accordance with the environmental regulations in force.

Headphone

Turn the unit volume to minimum before you connect your headphone to headphone jack. Headphones should have a 3.5 mm diameter stereo plug and an impedance of 8-32 ohms. When headphones are connected, the speakers automatically get disconnected.

NOTE: Extended listening of music at high volume may damage your hearing. It is highly recommended to use at comfortable volume levels.

AUX-IN

1. Press the POWER switch.
2. Rotate the FUNCTION switch to AUX-IN position.
3. Connect your MP3 player or any of your audio devices to "AUX-IN" jack by using the "AUX IN" cable (not included).
4. Switch on and play-back your connecting MP3 player or other audio devices
5. The unit will play automatically.
6. Adjust the volume control to get your favorable sound level.
7. To stop playing, simply plug out the "AUX IN" cable.

Audio Out

Connect the AUDIO OUT Left and Right jacks to an external amplifier to get a better louder sound.

Sing Along System

This unit has microphone jack which allow you to sing along with your favourite songs. Before connecting, make sure the MIC VOLUME control are set to minimum. Slide the ON/OFF switch on the microphone to the ON position when using. (Microphone not included)

BALANCE CONTROL

Rotate the BALANCE CONTROL to select the SOUND FROM left or right SPEAKER.

Cassette Operation

10. Adjust the VOLUME, if necessary.
11. To stop recording, press STOP/EJECT button. When the playing tape reaches the end of recording it be stopped automatically.

Note: If echo effect function is used during recording, the echo effect will be recorded.

OPERATION RECORDING

To continuously play two pre-recorded tapes from deck B to deck A, operate the unit as follows:
Within Recording, no volume adjustment is necessary, recording level is automatically set.

CASSETTE TAPE SELECTION

The quality and condition of the cassette tapes used 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 en-tangled in the drive mechanism, causing major damage. Stretched tapes will run at un-even speeds and will distort anything recorded on them.

Recording from the built-in Radio

- Recording is possible only with Deck A, the following instructions are relevant to that deck alone.
1. Tune to the desired station.
 2. Press the STOP/EJECT button to open the cassette compartment, insert a cassette into the Deck A cassette compartment.
 3. Press the REC and PLAY button.
 4. Depress the PAUSE button to temporarily discontinue recording. The tape will stop at this point. To resume recording from the same point, release the PAUSE button by deprssing it a second time.
- When you have finished recording, press the "STOP" button.

All buttons will be released automatically when the end of tape is reached. However, radio reception will continue uninterrupted. If it is desired to turn off the radio at this time, slide the FUNCTION switch to the TAPE position.

Dubbing from deck B to deck A

- The unit's dual deck system permits dubbing operations without the use of another tape deck.
- Dubbing is performed from Deck B onto Deck A.
- Normal-speeding dubbing is performed with this unit.
1. Insert a pre-record cassette tape into the cassette compartment of Deck B, and insert the blank tape into the cassette compartment of Deck A.
 2. Slide the FUNCTION switch to the TAPE button.
 3. Press Deck B and Deck A PAUSE button.
 4. Press Deck B PLAY button and Deck A REC and PLAY button.
 5. Press Deck B and Deck A PAUSE button again then Dubbing start.

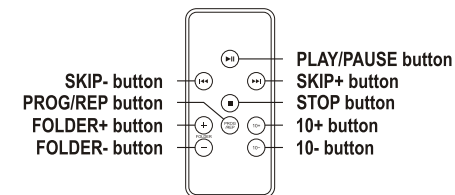
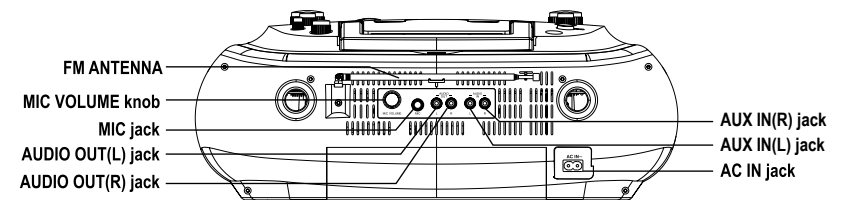
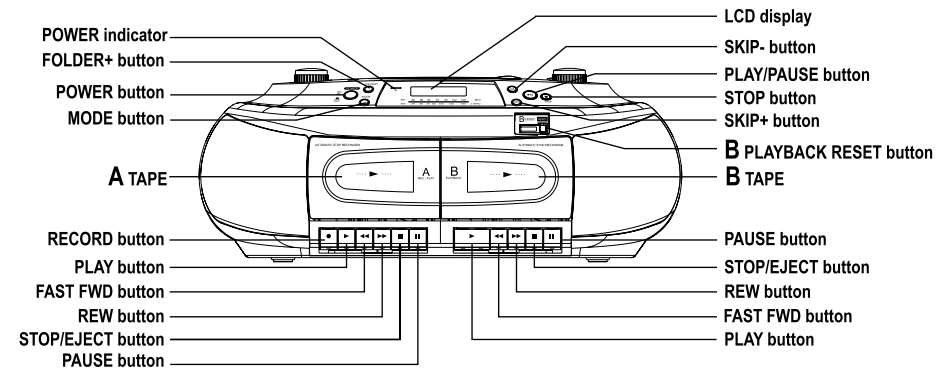
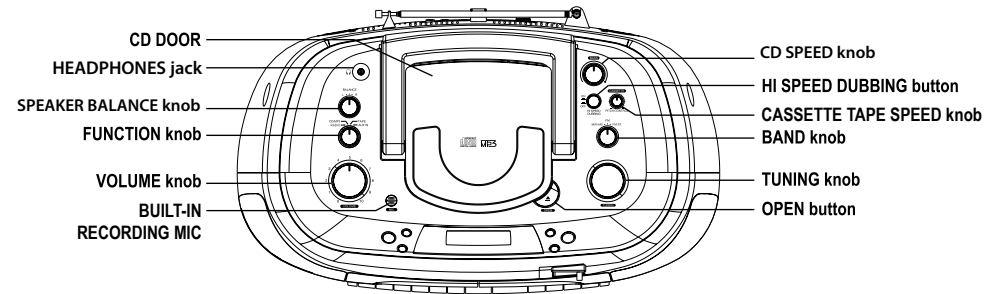
Tape Counter

1. While cassette playback in "B" deck, the counter will calculate the play time from 000 to 999.
2. Press the counter button to reset the counter to 000.

Variable Tape Speed

Rotate the TAPE SPEED switch to adjust the tape speed fast or slow for up to +/- 20%.

Location of Controls



Radio Operation

1. Slide the FUNCTION switch to "RADIO" position.
2. Slide the BAND switch to your desired band position.
3. Set the TUNING knob to your desired radio station.
4. Adjust the VOLUME to your desired sound level.
5. Press the POWER button to turn off the unit.

CD Operation

Listening to Music CD or MP3 Disc

1. Insert one end of the supplied power cord into the AC socket and the other end into the wall outlet.
2. Open the CD door by pressing OPEN button. Insert the disc into the disc compartment with the title side upwards. Close the CD door
3. Set the FUNCTION switch to CD/MP3 position. Display will show "ERR" during loading and the total number of title will be shown on LCD display after few seconds.
4. Press the PLAY/PAUSE button to start playing.
5. Press SKIP FORWARD / SKIP BACKWARD buttons to skip to next / previous track playing.
6. Press and hold SKIP FORWARD / SKIP BACKWARD buttons for fast forward / fast backward playing.
7. During playing, press the PLAY/PAUSE button to pause and press it again to resume.
8. During playing MP3 discs, press and hold the FOLDER+ button to select the folders on the disk.
9. Press the STOP button to stop playing.

Notes:

After all tracks have been played, the unit will be stopped automatically.

Do not open the CD compartment while the disc is playing or rotating.

This unit can play Music CD & MP3 Disc format.

To Repeat One Track

1. During CD/MP3 disc playback, press SKIP FORWARD / SKIP BACKWARD buttons to select the track you wish to repeat playing.
2. Press the MODE button until "REP1" appears on the display. The unit will play the desired track repeatedly.
3. To cancel the setting, press the MODE button until "REP1", "REP ALL", "REP FOLDER" disappear off the display.

To Repeat All tracks

1. During CD/MP3 disc playback, press the MODE button until "REP ALL" appears on the display.
2. The unit will play all tracks repeatedly.
3. To cancel the setting, press the MODE button until "REP1", "REP ALL", "REP FOLDER" disappear off the display.

To Repeat FOLDER

1. During MP3 disc playback, press the MODE button until "REP FOLDER" shows on the LCD display. The unit will play the desire folder repeatedly.
2. To cancel the setting, press the MODE button until "REP1", "REP ALL", "REP FOLDER" disappear from the display.

Notes:

Repeat Folder function is available for MP3 disc format only.

CD Operation

To Program Specific Tracks (up to 20 Tracks for CD and 99 Tracks for MP3)

1. Load the CD you wish to program. Make sure the unit is in the "STOP" mode.
2. While in CD/MP3 stop mode, press the MODE button once. "PROG P01" will be blink on the display.
3. Select the first track to be played back using the "SKIP+" or "SKIP-" buttons, until the display will shows the programmed track number.
4. Press the MODE button to store the selection.
5. Repeat the (3) & (4) steps to program additional tracks.
6. Press the PLAY/PAUSE button to start playing your programmed tracks. After all memory tracks have been played, the unit will be stopped automatically.

Notes: If you want to cancel the program memory, press the STOP button once.

Cassette Operation

PLAYBACK

- The unit has ability to perform either individual playback with Deck B to Deck A, or simultaneous playback with Decks B and A or continuous play option.

1. Simultaneous playback:
Slide to Dubbing button. Depress Deck B and Deck A play button.
2. Continuous playback:
Slide to Tape button. Depress Deck B and Deck A play button.
Deck B will activate automatically, and vice versa.

FAST WINDING

1. To fast forward or rewind, press Fast Forward or Rewind button.
Press the STOP/EJECT button to stop fast winding as the tape ended, in order to prevent damage to the cassette tape.

CONTINUOUS PLAY

To continuously play two pre-recorded tapes from deck B to deck A, operate the unit as follows:

1. Insert pre-recorded cassette tape into both tape decks.
2. Press the Play Button on Tape deck B. Tape deck B starts to play.
3. Press the Pause Button and the Play Button on Tape deck A. Tape deck A will stand by for playback.
4. When the cassette tape in deck B reaches the end, it stops playing and the cassette tape deck A will automatically start to play.
5. When the cassette tape in deck A reaches the end, the deck stops and the power is switched off when the Auto Stop function operates.

Recording from Discs

1. Select the FUNCTION switch to "CD/VCD/MP3" position.
2. Press the OPEN button to open the CD door.
3. Load a CD with label side upward in the CD compartment and close the CD door and the player will start to 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 a audio signal from an external microphone