

Yamaha MP-90BK

YAMAHA MP-90BK Mechanical Metronome Instruction Manual

1. INTRODUCTION

The YAMAHA MP-90BK is a spring-driven pendulum metronome designed to provide a rich and deep sound. It features a classic triangular pyramid style and a matte finish to resist fingerprints. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your metronome.

2. PRODUCT OVERVIEW



Figure 1: Front view of the YAMAHA MP-90BK Mechanical Metronome, showing the pendulum and tempo scale.



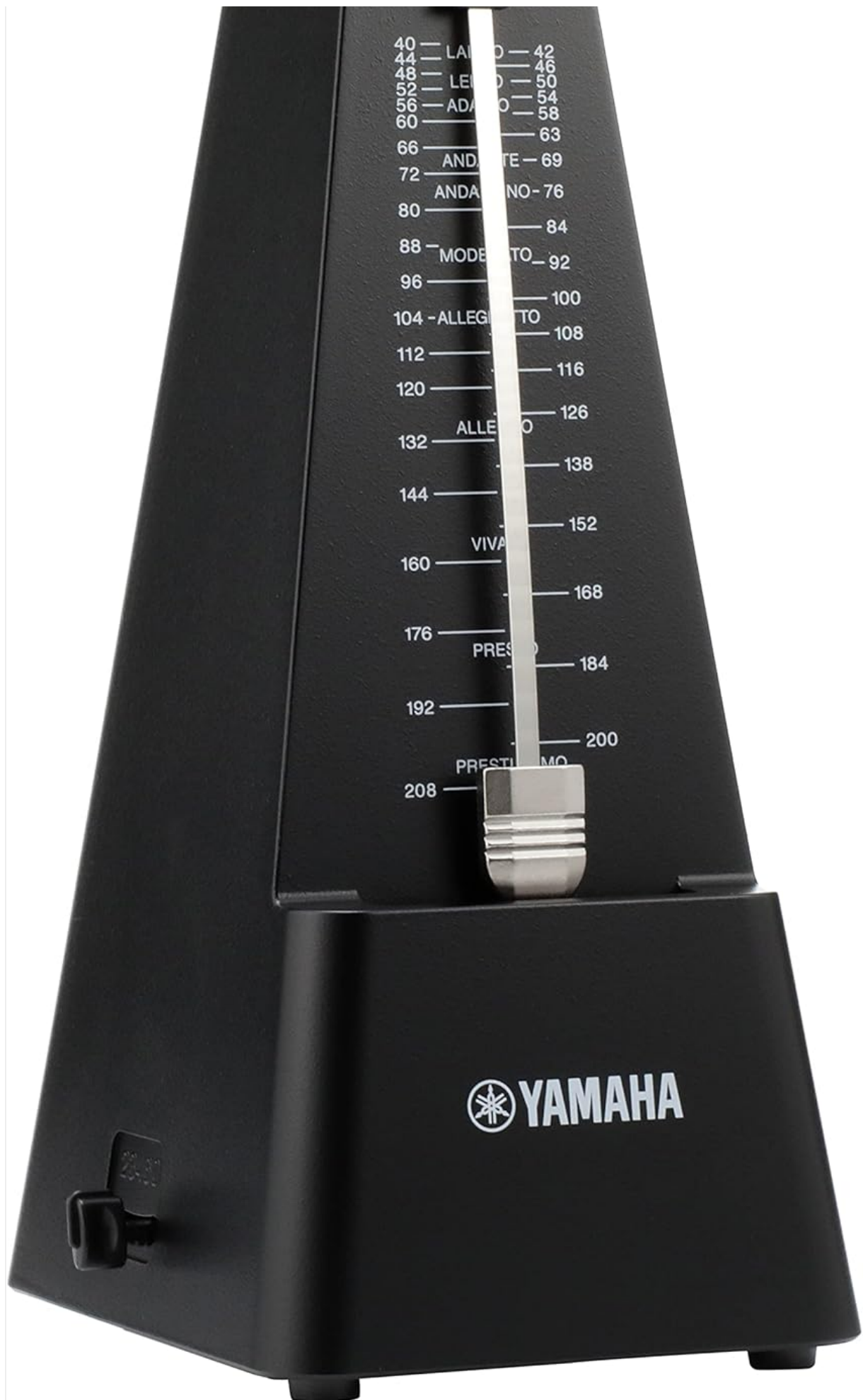


Figure 2: Side view of the YAMAHA MP-90BK Mechanical Metronome, highlighting the winding key and overall design.

3. SETUP

3.1 Unpacking

1. Carefully remove the metronome from its packaging.
2. Ensure all protective materials are removed.

3.2 Placement

- Place the metronome on a flat, stable surface to ensure accurate and consistent ticking.
- Avoid placing it near strong magnetic fields or in direct sunlight.

4. OPERATING INSTRUCTIONS

4.1 Winding the Metronome

1. Locate the winding key on the side of the metronome.
2. Turn the key clockwise until you feel resistance. Do not overwind, as this can damage the internal mechanism.

4.2 Setting the Tempo (BPM)

1. Slide the weight on the pendulum rod up or down to adjust the beats per minute (BPM).
2. Align the top edge of the weight with the desired BPM marking on the scale.
3. The scale typically ranges from 40 (Largo) to 208 (Prestissimo) BPM.

4.3 Starting and Stopping

1. To start: Gently push the pendulum to one side to initiate its swing.
2. To stop: Gently hold the pendulum until it ceases movement.

4.4 Bell Mechanism (if applicable)

Some mechanical metronomes include a bell that can be set to ring on specific beats (e.g., every 2nd, 3rd, 4th, or 6th beat). If your MP-90BK model includes this feature, locate the bell selector switch, usually on the side, and adjust it to your desired beat interval or to '0' for no bell sound.

5. MAINTENANCE

5.1 Cleaning

- Wipe the exterior with a soft, dry cloth.
- Avoid using abrasive cleaners or solvents, as they may damage the matte finish.

5.2 Storage

- Store the metronome in a cool, dry place, away from extreme temperatures and humidity.
- Ensure the pendulum is secured and not swinging during storage or transport to prevent damage.

5.3 Handling Precautions

- Handle the metronome with care to avoid dropping it, which can affect its precision and internal

components.

- Do not force any moving parts.

6. TROUBLESHOOTING

6.1 Metronome Not Ticking

- **Check Winding:** Ensure the metronome is fully wound.
- **Pendulum Obstruction:** Verify that the pendulum is not obstructed and can swing freely.

6.2 Inaccurate or Uneven Tempo

- **Level Surface:** Ensure the metronome is placed on a perfectly level surface.
- **Pendulum Weight Position:** Confirm the pendulum weight is securely set to the desired BPM mark.
- **Internal Mechanism:** If the issue persists, the internal mechanism may require professional adjustment. Mechanical metronomes can sometimes become less accurate over time due to wear.

7. SPECIFICATIONS

Product Dimensions	4.37 x 7.95 x 3.54 inches
Item Weight	14.3 ounces
Item Model Number	MP-90BK
Date First Available	May 22, 2014

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, service, or technical support for your YAMAHA MP-90BK metronome, please refer to the warranty card included with your purchase or visit the official Yamaha website. You may also contact Yamaha customer service directly for assistance.