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› UBTECH Alpha 1PRO Humanoid Robot Instruction Manual

UBTECH ALPHA 1PRO

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Model: ALPHA 1PRO

1. PRODUCT OVERVIEW

The UBTECH Alpha 1PRO is a household programmable humanoid robot designed for education and entertainment. It features high-precision servo joints and can be controlled via a mobile application. This robot is ideal for STEM learning, robotics education, and interactive play.

- **Advanced Servos:** Equipped with 16 advanced digital servos for fluid and precise movements.
- **Mobile App Control:** Seamlessly controlled using the free Alpha app for iOS and Android via Bluetooth.
- **3D Desktop Programming Software:** Supports STEM learning programs on Windows and Mac OS.
- **Detachable Battery:** Allows for quick battery swapping to extend playtime. Extra batteries are sold separately.
- **Pose, Record, and Play:** Easily program movements by posing the robot and recording the actions without complex coding.

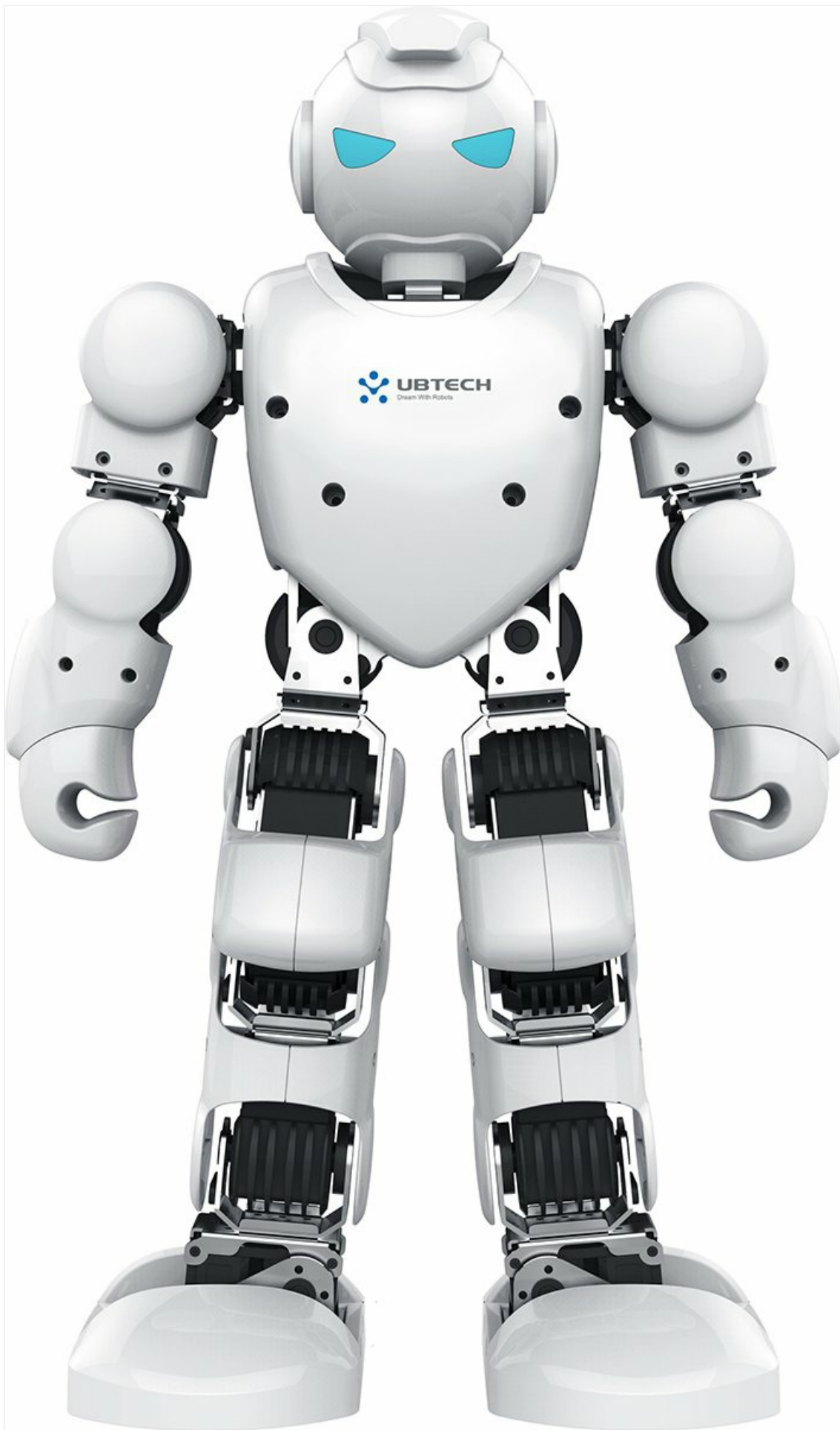


Image: The UBTECH Alpha 1PRO Humanoid Robot in a standing position, showcasing its design.

2. WHAT'S IN THE BOX

Upon unboxing your UBTECH Alpha 1PRO, you should find the following components:

- ALPHA 1PRO Robot
- USB cable
- Charging adapter
- User manual (this document)

3. SETUP AND FIRST USE

3.1 Unboxing and Initial Charge

1. Carefully open the packaging to retrieve your Alpha 1PRO robot and its accessories.
2. Connect the charging adapter to the robot's charging port (DC 9.6V === 2A) and plug it into a power outlet.
3. Allow the robot to fully charge before first use.

3.2 Powering On and Safe Handling

1. Once charged, press and hold the power button located on the robot's back to power it on. The robot will stand up on its own.
2. **Important:** When handling the robot, always hold it by its back. Avoid grabbing it by its joints to prevent damage.

3.3 App Download and Connection

1. Scan the QR code provided in the Quick Start Guide or search for "Alpha 1" in the Apple App Store or Google Play Store to download the official mobile application.
2. Enable Bluetooth on your smartphone or tablet.
3. Open the Alpha 1 app, navigate to the "My Robot" section, and click "Scan" to find and pair with your Alpha 1PRO. A successful connection will be indicated by an audible tone from the robot.
4. Create an account within the app to access and download additional actions and receive updates.

Video: Official UBTECH Alpha 1PRO Quick Start Guide, demonstrating unboxing, charging, powering on, and app connection steps.

4. OPERATING THE ROBOT

4.1 Using Pre-programmed Actions

1. From the app's main interface, go to "My actions" on your profile page.
2. Select from the "Built-in actions" or "My Downloads" to see the robot perform various movements like yoga, push-ups, and dances. These actions help familiarize you with the Alpha 1PRO's capabilities.



Image: The Alpha 1PRO robot demonstrating a dynamic pose, highlighting its range of motion.

4.2 Downloading New Actions

1. To expand the robot's repertoire, click on "Action Square" within the app.
2. Browse and download the latest dances, sports routines, stories, educational content, songs, or even user-uploaded actions.
3. Downloaded actions will appear under "My Downloads" in the "My actions" section.

4.3 Gamepad Control

1. For real-time control, select the "Gamepad" option in the app.
2. Choose from different control styles, such as "Soccer Player" or "Gladiator," to control your Alpha 1PRO's movements directly and quickly.



Image: The Alpha 1PRO robot executing a high kick, illustrating its advanced articulation.

5. CREATING CUSTOM ACTIONS

The Alpha 1PRO allows you to create and save your own unique movement sequences:

- 1. In the app, select "Create action."
- 2. Physically manipulate your Alpha 1PRO into a desired pose.
- 3. Click "Add action" in the app to record this pose as a frame in your sequence.
- 4. Repeat the process, adding multiple frames to create a complete movement.
- 5. Once finished, save and name your action series. Your robot will then be able to perform your custom creation.

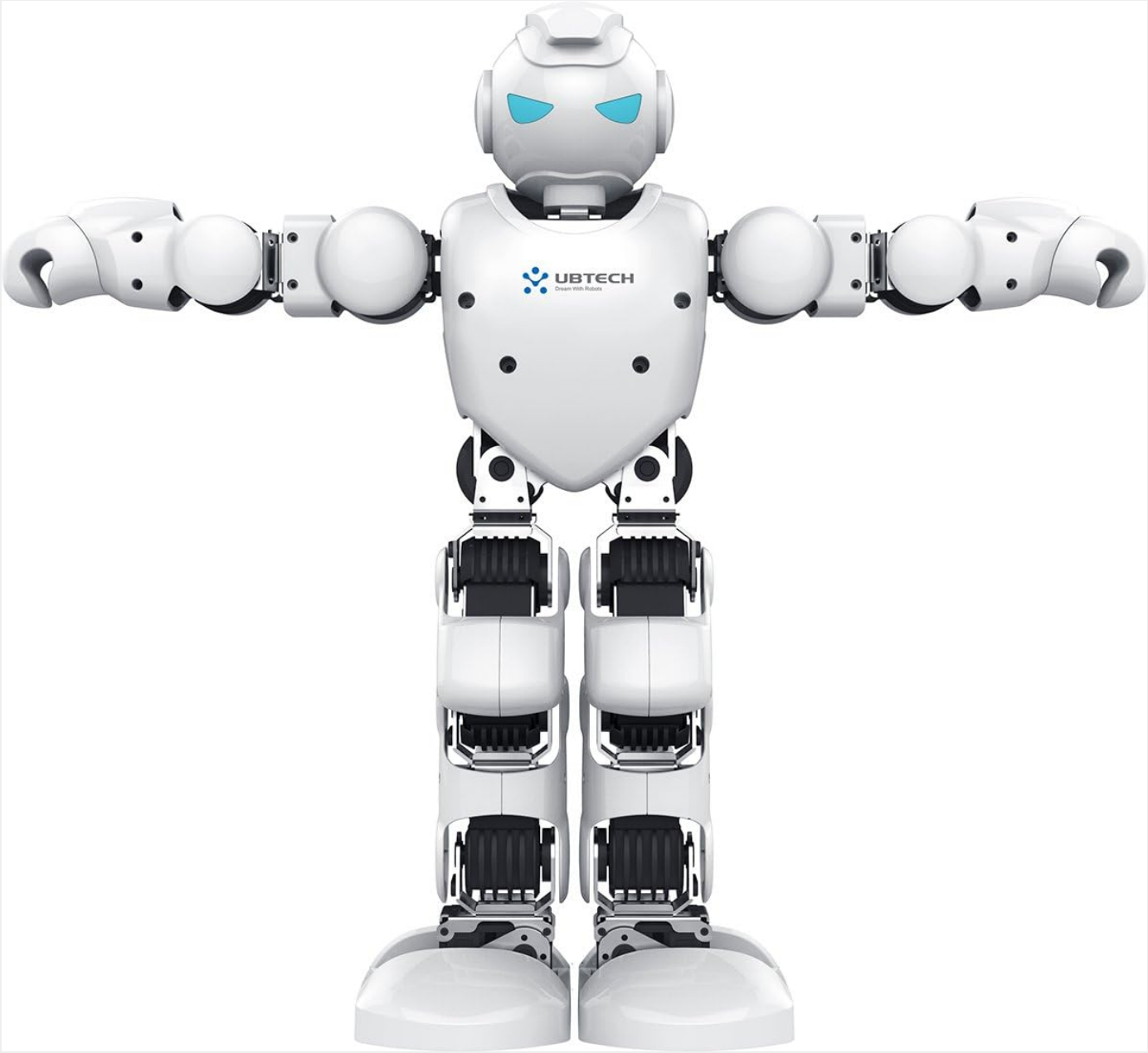


Image: The Alpha 1PRO robot with its arms spread wide, ready for custom programming.

6. SPECIFICATIONS

Feature	Detail
Brand Name	UBTECH
Model Name	Alpha 1 PRO
Model Number	ALPHA 1PRO

Item Dimensions (L x W x H)	8 x 5 x 16 inches
Item Weight	3 Pounds
Material Type	Plastic
Color	White
Number of Servos	16
Speaker	3W Mono speaker
Power Source	Battery Powered (2 Lithium Ion batteries included)
Connectivity	Bluetooth
Recommended Age Range	96 months to 960 months

7. MAINTENANCE

To ensure the longevity and optimal performance of your Alpha 1PRO robot, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the robot. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the robot in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Fully charge the battery before long-term storage. If storing for extended periods, charge the battery every three months to maintain its health.
- **Joint Care:** Do not force the robot's joints into positions beyond their natural range of motion. Avoid applying excessive pressure to the joints.
- **Software Updates:** Regularly check the Alpha 1 app for software and firmware updates to ensure your robot has the latest features and performance improvements.

8. TROUBLESHOOTING

If you encounter any issues with your Alpha 1PRO robot, refer to the following common troubleshooting steps:

- **Robot Not Powering On:** Ensure the battery is fully charged. Check the charging cable and adapter for proper connection.
- **App Connection Issues:** Verify that Bluetooth is enabled on your mobile device and the robot. Restart both the app and the robot, then attempt to pair again. Ensure the robot is within Bluetooth range.
- **Robot Not Responding to Commands:** Check the app connection status. If connected, try restarting the app and the robot. Ensure no physical obstructions are preventing movement.
- **Unusual Noises or Movements:** Power off the robot immediately. Inspect the joints for any visible damage or foreign objects. Do not attempt to force movements. Contact customer support if the issue persists.
- **App Crashing or Freezing:** Ensure your app is updated to the latest version. Clear the app's cache or reinstall the app if necessary.

9. WARRANTY AND SUPPORT

The UBTECH Alpha 1PRO comes with a 1-year warranty on parts. For detailed warranty information, technical support, or to explore more UBTECH products, please visit the official UBTECH Store.

[Visit the UBTECH Store](#)

