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Yamaha YDS-120

Yamaha YDS-120 Digital Saxophone User Manual

Model: YDS-120

Introduction

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1. INTRODUCTION

The Yamaha YDS-120 Digital Saxophone is an innovative musical instrument that combines traditional saxophone fingering with advanced digital sound technology. Designed for versatility and quiet practice, it allows musicians to explore a wide range of tones and play in various environments without disturbing others. This manual provides essential information for setting up, operating, and maintaining your YDS-120.

2. WHAT'S IN THE BOX

Upon unboxing your Yamaha YDS-120 Digital Saxophone, please ensure all the following components are present:

- Yamaha YDS-120 Digital Saxophone Unit
- Mouthpiece (Recorder type)
- Spare O-ring for Mouthpiece
- Owner's Manual (this document)
- USB Cable (for power/connectivity)
- AAA Batteries (4x, typically included for initial use)

3. PRODUCT OVERVIEW

The YDS-120 is engineered for ease of use and a rich musical experience. Familiarize yourself with its key components and features.





Figure 3.1: Front view of the Yamaha YDS-120 Digital Saxophone, showcasing its sleek black design and key layout.

Key Features:

- **Acoustic and Digital Technology:** This instrument integrates both acoustic and digital technologies, along with advanced modeling, to produce a wide array of authentic saxophone sounds.
- **Easy Playability:** Simply blow into the mouthpiece to produce sounds, similar to playing a recorder, making it accessible for beginners.
- **Volume Control:** Features 15 levels of volume adjustment. A headphone connection allows for private practice without disturbing others.
- **Extensive Sound Library:** Includes a total of 73 sounds, comprising 56 distinct saxophone tones, covering soprano to baritone ranges.
- **Dedicated App Integration:** Connects to the "YDS Controller" app via a USB adapter or USB cable. The app enables detailed tone editing, breath flow adjustment, and custom fingering configurations.

Controls and Display:

73 voci/15 livelli di volume



Figure 3.2: Detailed view of the YDS-120's control panel, showing the Standby/On button, LED screen, VOICE selection buttons, and VOL (volume) buttons.

Standby/On Button: Powers the device on or off.

LED Screen: Displays current settings such as voice number and volume level.

VOICE Buttons: Used to navigate and select different instrument voices.

VOL Buttons: Adjust the output volume of the instrument.

Dimensions and Weight:

Peso e Dimensioni



Figure 3.3: Visual representation of the YDS-120's dimensions (height, width, depth) and weight, indicating its compact and portable design.

Height: Approximately 22.32 inches (567 mm)

Width: Approximately 4.33 inches (110 mm)

Depth: Approximately 3.82 inches (97 mm)

Weight: Approximately 1.8 lbs, 29 oz (820 g)

4. SETUP

Follow these steps to prepare your YDS-120 for its first use.

4.1 Installing Batteries

1. Locate the battery compartment cover on the rear of the instrument.
2. Slide or unclip the cover to open it.
3. Insert four (4) AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.

Note: The YDS-120 can also be powered via a USB connection.

4.2 Attaching the Mouthpiece

1. Gently slide the mouthpiece onto the top end of the YDS-120.
2. Ensure the mouthpiece is firmly seated but do not force it.
3. If needed, apply a small amount of cork grease (not included) to the O-ring for easier attachment and removal.

4.3 Initial Power On

1. Press and hold the Standby/On button until the LED screen illuminates.
2. The instrument will perform a brief startup sequence.

5. OPERATING INSTRUCTIONS

Learn how to play and adjust your YDS-120.

5.1 Playing the Instrument

1. Hold the YDS-120 like a traditional saxophone or recorder.
2. Place the mouthpiece in your mouth and blow gently.
3. Press the keys to produce different notes. The fingering is designed to be similar to an acoustic saxophone.

Discover the music inside



Figure 5.1: A user demonstrating the playing posture for the YDS-120, highlighting the use of headphones for private practice.

5.2 Adjusting Volume

- Press the **VOL +** button to increase the volume.
- Press the **VOL -** button to decrease the volume.
- The current volume level will be displayed on the LED screen.

5.3 Changing Voices (Tones)

- Press the **VOICE +** button to cycle through available voices in ascending order.
- Press the **VOICE -** button to cycle through available voices in descending order.
- The selected voice number will appear on the LED screen.
- For advanced voice editing and selection, use the dedicated "YDS Controller" app.

6. CONNECTIVITY

The YDS-120 offers various connectivity options for enhanced functionality and practice.

Connettività

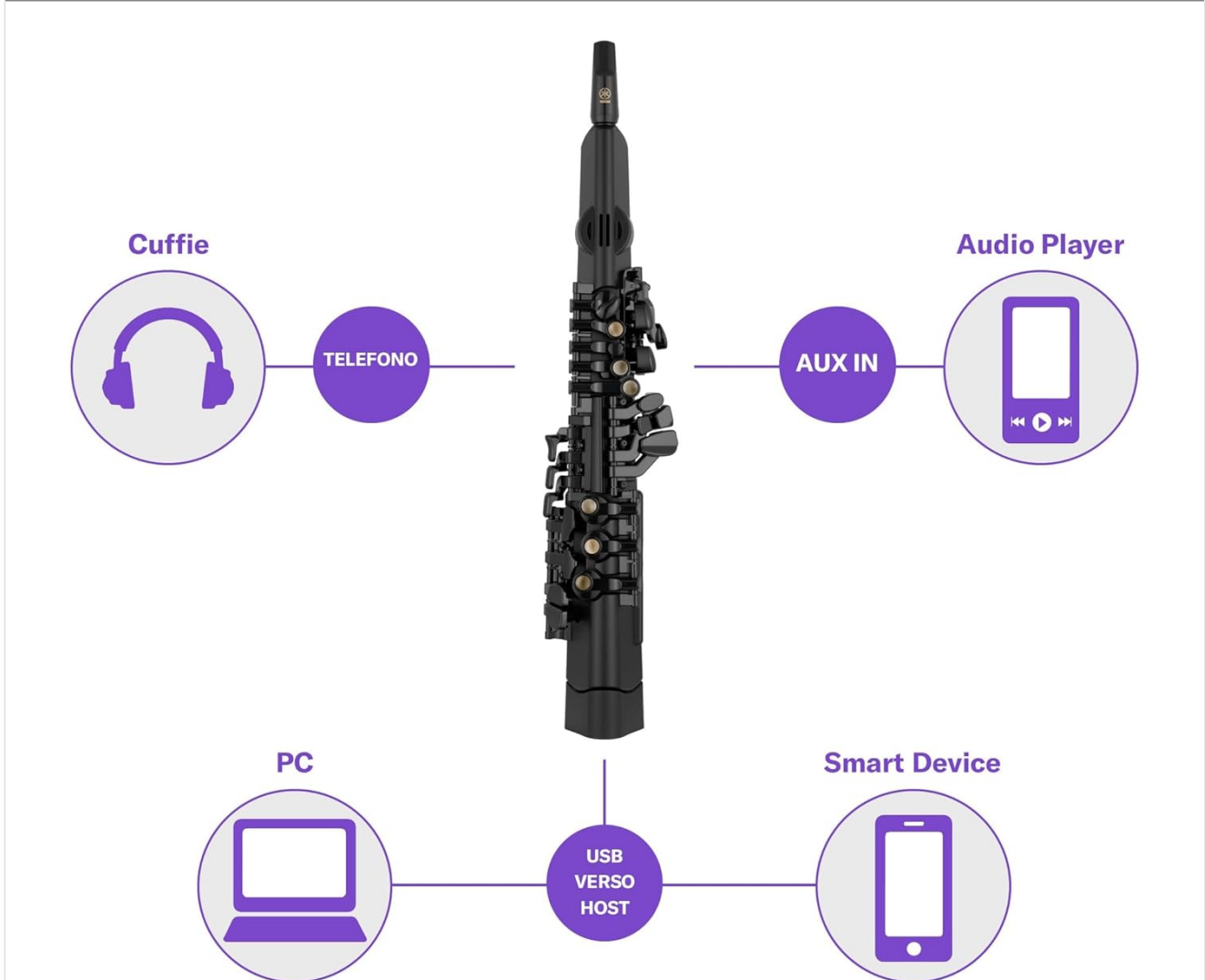


Figure 6.1: Overview of YDS-120 connectivity, including headphones, AUX IN, USB to PC, and USB to Smart Device.

6.1 Headphone Output

- Connect standard stereo headphones to the headphone jack for private practice.
- The internal speaker will be muted when headphones are connected.

6.2 AUX IN Jack

- Use the AUX IN jack to connect an external audio player (e.g., smartphone, MP3 player) and play along with your favorite tracks.
- Adjust the volume of the external audio source on the connected device.

6.3 USB Connectivity (USB TO HOST)

- Connect the YDS-120 to a computer (PC) or smart device using a USB cable.
- This connection enables:
 - Power supply for the YDS-120.
 - MIDI data transmission for use with music software.
 - Connection to the "YDS Controller" app for advanced settings and customization.

6.4 YDS Controller App

The dedicated "YDS Controller" app (available for iOS and Android) provides extensive control over your YDS-120.

Utilizza l'applicazione di controllo dedicata per configurare le voci e la diteggiatura



YDS Controller

iPhone/iPad
Android

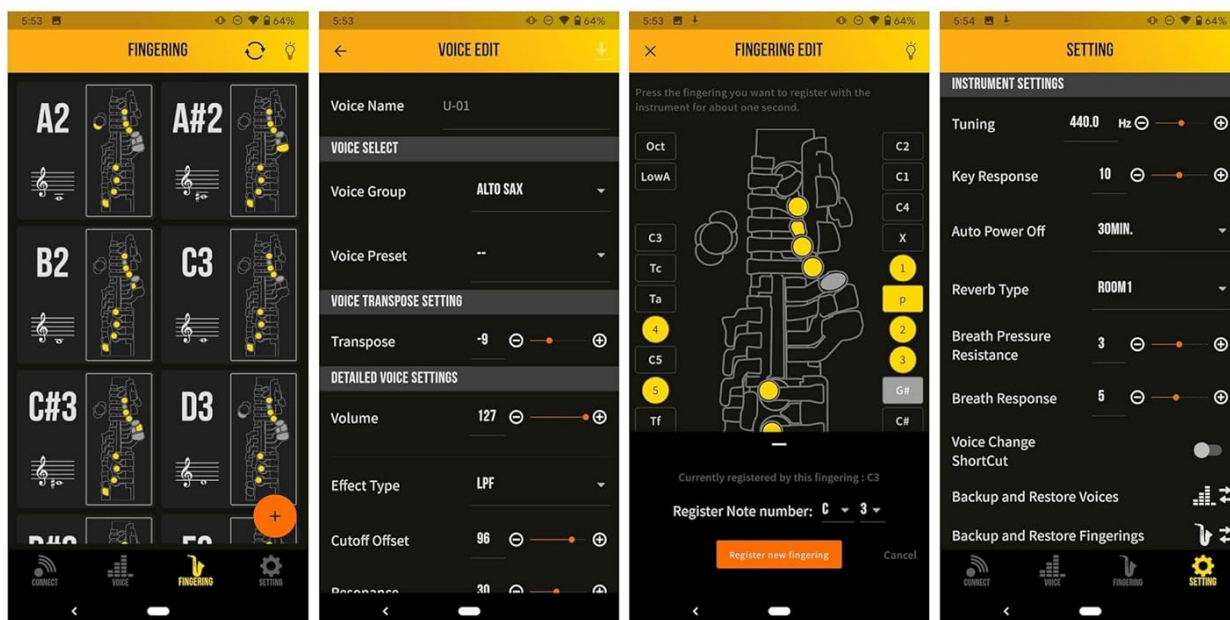


Figure 6.2: Screenshots of the YDS Controller app, illustrating options for voice editing, fingering customization, and general instrument settings.

- **Voice Editing:** Customize existing voices or create new ones.
- **Fingering Customization:** Adjust and register custom fingerings to suit your playing style.
- **Breath Flow Adjustment:** Fine-tune the instrument's response to your breath.
- **Other Settings:** Access various instrument settings, including tuning, auto-power off, and reverb type.

Download the "YDS Controller" app from your device's app store.

7. MAINTENANCE

Proper care will ensure the longevity and optimal performance of your YDS-120.

7.1 Cleaning the Instrument

- Wipe the exterior of the instrument with a soft, dry cloth.
- For stubborn dirt, slightly dampen the cloth with water and a mild, non-abrasive cleaner, then wipe dry immediately.
- Do not use harsh chemicals, solvents, or abrasive cleaners, as they may damage the finish.

7.2 Mouthpiece Care

- After each use, remove the mouthpiece and rinse it with lukewarm water.
- Allow the mouthpiece to air dry completely before reattaching or storing.
- Periodically check the O-ring for wear and tear. Replace it with the spare O-ring if necessary.

7.3 Storage

- Store the YDS-120 in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, remove the batteries to prevent leakage.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your YDS-120.

Problem	Possible Cause	Solution
No sound or low volume	Low or dead batteries. Volume set too low. Headphones connected. Mouthpiece not properly attached.	Replace batteries or connect via USB. Increase volume using VOL + button. Disconnect headphones if using internal speaker. Ensure mouthpiece is securely attached.
Instrument does not power on	Batteries are dead or incorrectly inserted. USB cable not providing power.	Check battery polarity or replace batteries. Ensure USB cable is connected to a working power source.
App not connecting to YDS-120	USB cable issue. App permissions not granted. Instrument not in connection mode.	Try a different USB cable or port. Check app permissions in your device settings. Ensure the YDS-120 is powered on and ready for connection.
Keys feel unresponsive or sticky	Dust or debris under keys. Excessive moisture.	Gently clean around the keys with a soft brush or compressed air. Ensure the instrument is stored in a dry environment.

9. SPECIFICATIONS

Detailed technical specifications for the Yamaha YDS-120 Digital Saxophone.

Feature	Detail
Model Number	YDS-120
Dimensions (L x W x H)	26.38 x 7.72 x 6.18 inches (670 x 196 x 157 mm)
Weight	2.31 pounds (1.05 kg)
Material	Plastic with electronic components
Color	Black
Instrument Key	A
Musical Style	Electronic
Connector Type	USB
Hardware Interface	USB
Power Supply	4x AAA batteries or USB power
Number of Voices	73 (including 56 saxophone tones)
Volume Adjustment	15 levels

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Yamaha website or contact their customer service department.

- **Official Website:** Visit the Yamaha official website for the most up-to-date support resources, FAQs, and contact information.
- **Product Registration:** Register your YDS-120 online to receive product updates and support notifications.
- **Service Centers:** Information on authorized service centers can be found on the Yamaha website.

Please retain your proof of purchase for warranty claims.